

**STATE BOARD OF ACCOUNTS**  
**302 West Washington Street**  
**Room E418**  
**INDIANAPOLIS, INDIANA 46204-2769**

FEDERAL COMPLIANCE AUDIT REPORT

OF

PURDUE UNIVERSITY

WEST LAFAYETTE, INDIANA

July 1, 2021 to June 30, 2022



**FILED**  
07/17/2023



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July 17, 2023

To: The Officials of Purdue University, West Lafayette, Indiana  
Purdue University  
Technology Ctr Aerospace  
1801 Newman Road Ste 208  
West Lafayette, IN 47906

We have reviewed the Annual Comprehensive Financial and Single Audit Reports of Purdue University, which have been opined upon by Plante & Moran, PLLC, Independent Public Accountants, for the period July 1, 2021 to June 30, 2022. Per the *Independent Auditor's Report*, the financial statements included in the report present fairly the financial condition of Purdue University as of June 30, 2022, and the results of its operations for the period then ended, on the basis of accounting described in the report.

We call your attention to the findings included in the report. The findings appear in the Schedule of Findings and Questioned Costs section on pages 63-70 of the Single Audit Report, which is included after the Annual Comprehensive Financial Report. The Views of Responsible Officials and Corrective Action Plan are included at the end of each finding.

In our opinion, Plante & Moran, PLLC, prepared the audit report in accordance with the guidelines established by the Indiana State Board of Accounts.

The report is filed with this letter in our office as a matter of public record.

A handwritten signature in black ink that reads 'Tammy R. White'.

Tammy R. White, CPA  
Deputy State Examiner



**PURDUE**  
**UNIVERSITY®**

Financial Report 2022

# LETTER OF TRANSMITTAL

October 26, 2022

To the Board of Trustees of Purdue University:

On behalf of the students, faculty, staff, and other leaders of Purdue University, I respectfully submit this, the 100th annual financial report of Purdue University for the fiscal year ended June 30, 2022. This report sets forth the complete and permanent record of the financial status of the University for the year.

Plante Moran, PLLC has audited these financial statements and their report, which is unmodified, follows.

At Purdue our goal continues to be providing “higher education at the highest proven value”. We believe we made significant progress again this year. As this report shows, our university is in very strong financial position — the result of the vigilant stewardship of so many across our campus.

Each year, we try to do a better job than the one before as a mark of respect for our state, the taxpayers, and the families who work so hard to send their children to Purdue. We appreciate the opportunity to share the most recent results.

Respectfully submitted,

MITCHELL E. DANIELS, JR.  
*President*

Respectfully submitted,

CHRISTOPHER A. RUHL  
*Treasurer and Chief Financial Officer*

Approved for publication and transmission to the governor of the state.

## **BOARD OF TRUSTEES**

*July 1, 2021-June 30, 2022*

The responsibility for making rules and regulations to govern the University is vested in a 10-member Board of Trustees appointed by the governor. The selection of these Trustees is prescribed in Indiana Code IC 21-23-3. Three of the Trustees are selected by the Purdue Alumni Association. The remaining seven Trustees are selected by the governor. Two of the Trustees must be involved in agricultural pursuits, and one must be a full-time student of Purdue University. All Trustees serve for a period of three years except for the student member, who serves for two years.

**Michael R. Berghoff**, *Chairman of the Board*  
Indianapolis, Indiana

**Gary J. Lehman**, *Vice Chairman of the Board*  
Lafayette, Indiana

**Lawrence “Sonny” Beck**  
Atlanta, Indiana

**JoAnn Brouillette**  
Lafayette, Indiana

**Theresa C. Carter**  
Colorado Springs, Colorado

**Vanessa J. Castagna**  
Naples, Florida

**Malcom S. DeKryger**  
DeMotte, Indiana

**Mark T. Gee**  
Student Trustee, Johnston, Iowa

**Michael F. Klipsch**  
Carmel, Indiana

**Don Thompson**  
Chicago, Illinois

## **OFFICERS OF THE UNIVERSITY**

*As of June 30, 2022*

### **OFFICERS OF THE BOARD OF TRUSTEES**

**Michael R. Berghoff**, Chairman

**Gary J. Lehman**, Vice Chairman

**Christopher A. Ruhl**, Treasurer

**James S. Almond**, Assistant Treasurer and Assistant Secretary

**Cindy C. Ream**, Secretary

**Steven R. Schultz**, Legal Counsel

**Trenten D. Klingerman**, Deputy General Counsel

### **ADMINISTRATIVE OFFICERS**

**Mitchell E. Daniels, Jr.**, President

**Jay T. Akridge**, Provost and Executive Vice President for Academic Affairs & Diversity

**Christopher A. Ruhl**, Treasurer and Chief Financial Officer

**Eva M. Nodine**, Vice President and Deputy Chief Financial Officer

**Michael A. Bobinski**, Vice President and Director of Intercollegiate Athletics

**Ian C. Hyatt**, Vice President for Information Technology and CIO

**Michael B. Cline**, Senior Vice President – Administrative Operations

**William J. Bell**, Vice President for Human Resources

**Gina C. DelSanto**, Chief of Staff

**R. Ethan Braden**, Executive Vice President of Marketing & Communications

**Theresa S. Mayer**, Executive Vice President for Research and Partnerships

**Gary R. Bertoline**, Senior Vice President for Purdue Online and Learning Innovation

**Alysa C. Rollock**, Vice President for Ethics and Compliance

**Mung Chiang**, Executive Vice President for Strategic Initiatives

**Steven R. Schultz**, Chief Legal Counsel

### **REGIONAL CAMPUS STAFF**

**Ronald L. Elsenbaumer**, Chancellor, Purdue University Fort Wayne

**Thomas L. Keon**, Chancellor, Purdue University Northwest

**Stephen R. Turner**, Vice Chancellor for Finance and Administration, Purdue University Northwest

**Glen Nakata**, Vice Chancellor for Financial and Administrative Affairs, Purdue University Fort Wayne

## Independent Auditor's Report

To the Board of Trustees  
Purdue University

### Report on the Audits of the Financial Statements

#### **Opinions**

We have audited the financial statements of the business-type activities, fiduciary activities, and the aggregate discretely presented component units of Purdue University (the "University"), a component unit of the State of Indiana, as of and for the years ended June 30, 2022 and 2021 and the related notes to the financial statements, which collectively comprise Purdue University's basic financial statements, as listed in the table of contents.

In our opinion, based on our audits and the report of other auditors, the accompanying financial statements referred to above present fairly, in all material respects, the financial position of the business-type activities, fiduciary activities, and the aggregate discretely presented component units of Purdue University as of June 30, 2022 and 2021 and the changes in its financial position and, where applicable, its cash flows thereof for the years then ended in accordance with accounting principles generally accepted in the United States of America.

We did not audit the financial statements of Purdue Research Foundation, which represents 95 percent, 98 percent, and 96 percent of the assets, net position, and revenue of the discretely presented component units, respectively. Those financial statements were audited by other auditors, whose report has been furnished to us, and our opinion, insofar as it relates to the amounts included for Purdue Research Foundation, is based solely on the report of the other auditors. The financial statements of the discretely presented component units and Purdue International, Inc., a blended component unit, were not audited under *Government Auditing Standards*.

#### **Basis for Opinions**

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS) and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are required to be independent of the University and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinions. The financial statements of the discretely presented component units and Purdue International, Inc., a blended component unit, were not audited under *Government Auditing Standards*.

#### **Emphasis of Matter**

As described in Note 1 to the financial statements, the University adopted the provisions of Governmental Accounting Standards Board (GASB) Statement No. 87, *Leases*, as of July 1, 2020. Our opinion is not modified with respect to this matter.

#### **Responsibilities of Management for the Financial Statements**

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the University's ability to continue as a going concern for 12 months beyond the financial statement date, including any currently known information that may raise substantial doubt shortly thereafter.

To the Board of Trustees  
Purdue University

### ***Auditor's Responsibilities for the Audits of the Financial Statements***

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinions. Reasonable assurance is a high level of assurance but is not absolute assurance and, therefore, is not a guarantee that audits conducted in accordance with GAAS and *Government Auditing Standards* will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing audits in accordance with GAAS and *Government Auditing Standards*, we:

- Exercise professional judgment and maintain professional skepticism throughout the audits.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audits in order to design audit procedures that are appropriate in the circumstances but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the University's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audits, significant audit findings, and certain internal control-related matters that we identified during the audits.

### ***Required Supplemental Information***

Accounting principles generally accepted in the United States of America require that the management's discussion and analysis, schedule of changes in Purdue's total OPEB liability and related ratios, schedule of Purdue's share of the net pension liability Indiana Public Employees' Retirement Fund, schedule of Purdue's contributions Indiana Public Employees' Retirement Fund, schedule of changes in net pension liability Purdue Police and Fire Supplemental Pension Plan, schedule of net pension liability (surplus) Purdue Police and Fire Supplemental Pension Plan, and schedule of contributions Purdue Police and Fire Supplemental Pension Plan be presented to supplement the basic financial statements. Such information is the responsibility of management and, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, which considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplemental information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements, and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with sufficient evidence to express an opinion or provide any assurance.

### ***Other Information***

Management is responsible for the other information included in the annual financial report. The other information comprises the letter of transmittal, board of trustees, officers of the University, report of the president, total in-state enrollment by county and acknowledgements but does not include the basic financial statements and our auditor's report thereon. Our opinions on the basic financial statements do not cover the other information, and we do not express an opinion or any form of assurance thereon.

To the Board of Trustees  
Purdue University

In connection with our audit of the basic financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the basic financial statements or whether the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

**Other Reporting Required by *Government Auditing Standards***

In accordance with *Government Auditing Standards*, we have also issued our report dated October 26, 2022 on our consideration of Purdue University's internal control over financial reporting and on our tests of its compliance with certain provisions of laws, regulations, contracts, grant agreements, and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of Purdue University's internal control over financial reporting or on compliance. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering Purdue University's internal control over financial reporting and compliance.

*Plante & Moran, PLLC*

October 26, 2022

# MANAGEMENT'S DISCUSSION AND ANALYSIS

*June 30, 2022 and 2021*

We are pleased to present this financial discussion and analysis of Purdue University (the University). It is intended to provide an overview of the financial position and activities of the University for the fiscal years ended June 30, 2022 and 2021, along with comparative financial information for the fiscal year ended June 30, 2020. This discussion has been prepared by management to assist readers in understanding the accompanying financial statements and footnotes.

## ***Financial Highlights***

The University's financial report includes three financial statements: the Statement of Net Position; the Statement of Revenues, Expenses, and Changes in Net Position; and the Statement of Cash Flows. The University's financial statements, related footnote disclosures, and discussion and analysis have been prepared by University management in accordance with Governmental Accounting Standards Board (GASB) principles.

***Statement of Net Position*** is the University's balance sheet. The statement presents the University's financial position by reporting all assets, deferred outflows of resources, liabilities, deferred inflows of resources, and net position at the end of the fiscal year. The statement as a whole provides information about the adequacy of resources to meet current and future operating and capital needs. Net position is the residual of all other elements presented in the Statement of Net Position and is one indicator of the current financial condition of the University.

***Statement of Revenues, Expenses, and Changes in Net Position*** is the University's income statement. The statement presents the total revenues earned and expenses incurred by the University during the fiscal year, along with the increase or decrease in net position. This statement depicts the University's revenue streams, along with the categories of expenses supported by that revenue. Changes in net position are an indication of the change in the University's overall financial condition.

***Statement of Cash Flows*** provides additional information about the University's financial results by presenting detailed information about cash activity during the fiscal year. The statement reports the major sources and uses of cash and is useful in the assessment of the University's ability to generate future net cash flows, the ability to meet obligations as they come due, and the need for external financing.

The financial information presented in this report is designed to enable the user to review how the University managed its resources to meet its primary missions of discovery, learning, and engagement. It should be recognized that a presentation of the financial performance of the University is not a full measure of the value of these functions as they were carried out during the fiscal year. This report deals with the costs and sources of revenue used to provide the quality and diversity in higher education that the University believes is necessary to meet its goals and objectives. We suggest that you combine this financial analysis and discussion with relevant non-financial indicators to assess the University's performance. Examples of non-financial data indicators include trend and quality of applicants, freshman class size, student retention, the condition of facilities, and campus safety metrics. Information about non-

financial indicators is not included in this analysis but may be obtained from the University's Office of Institutional Data Analytics and Assessment online at <https://www.purdue.edu/datadigest/>.

The University restated the 2021 Financial Statements to reflect the implementation of GASB 87 Leases, as a result restated and reclassified balances are presented throughout the MD&A.

## Statement of Net Position

A comparison of the University's assets, deferred outflows of resources, liabilities, deferred inflows of resources, and net position at June 30, 2022, 2021, and 2020, is summarized below.

**Table 1**

### Summary Statement of Net Position (Dollars in Thousands)

	2022	2021	2020
		<b>As Restated</b>	
Current Assets	\$ 629,814	\$ 860,156	\$ 898,402
Capital Assets	2,943,693	2,873,341	2,642,403
Other Assets	4,396,427	4,165,067	3,214,695
<b>Total Assets</b>	<b>7,969,934</b>	<b>7,898,564</b>	<b>6,755,500</b>
Deferred Outflows of Resources	47,451	39,502	36,832
Current Liabilities	547,579	553,852	573,427
Noncurrent Liabilities	1,118,717	1,224,211	1,087,558
<b>Total Liabilities</b>	<b>1,666,296</b>	<b>1,778,063</b>	<b>1,660,985</b>
Deferred Inflows of Resources	98,625	61,737	46,539
Net Investment in Capital Assets	1,864,149	1,733,508	1,710,945
Restricted - Nonexpendable	962,179	872,775	820,444
Restricted - Expendable	1,377,049	1,468,958	928,747
Unrestricted	2,049,087	2,023,025	1,624,672
<b>Total Net Position</b>	<b>\$ 6,252,464</b>	<b>\$ 6,098,266</b>	<b>\$ 5,084,808</b>

### Assets

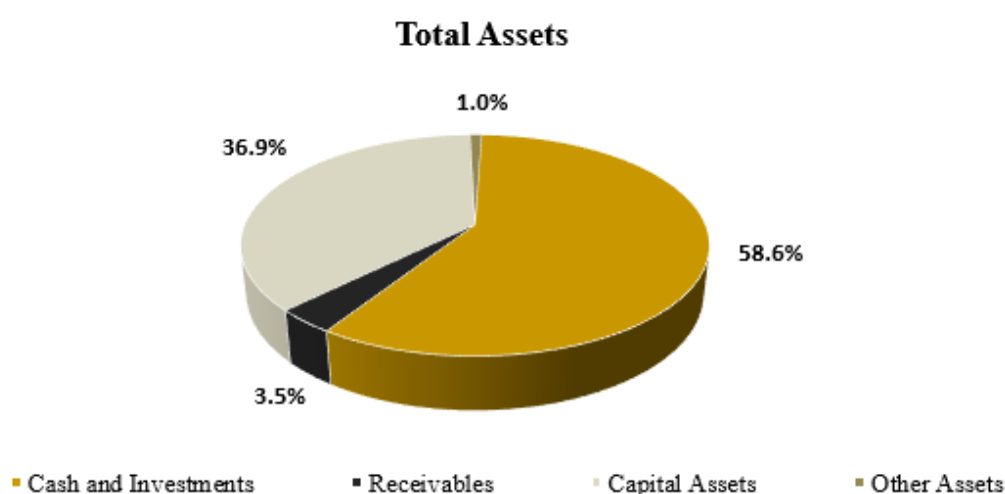
Current assets include those that may be used to support current operations, such as cash and cash equivalents, accounts receivable, and inventories. Capital assets include non-depreciable land, as well as buildings, equipment, and right-to-use assets, net of depreciation. Other noncurrent assets include pledges receivable, investments, and Purdue's interest in charitable remainder trusts.

As of June 30, 2022 and 2021, current assets were approximately \$629.8 and \$860.2 million, respectively, resulting in a decrease of \$230.4 million or 26.8% during fiscal year 2022 and a decrease of \$38.2 million or 4.3% during fiscal year 2021. As of June 30, 2022 and 2021, cash and cash equivalents were approximately \$303.5 and \$356.4 million respectively, resulting in decreases of \$52.9 million and \$80.8 million, respectively. The changes in current assets and cash and cash equivalents are mostly due to movement of assets between current and noncurrent investments.

As of June 30, 2022 and 2021, noncurrent assets were approximately \$7.3 and \$7.0 billion, respectively, which is an increase \$301.7 million, or 4.3%, during fiscal year 2022 and an increase \$1.2 billion, or 20.2%, during fiscal year 2021. The increase in 2022 was driven by changes in investment strategy, expansion and renovation of our campuses, and increased pledges receivable. The increase in 2021 was primarily driven by market increases on our investment portfolio as well as capital investments.

As of June 30, 2022 and 2021, total assets were approximately \$8.0 and \$7.9 billion, an increase of \$71.4 million and \$1.1 billion, or 1.0% and 16.9% respectively, over the previous fiscal year. The overall growth in assets is attributed to an increase in capital assets in fiscal year 2022 and increases in investments and capital assets in fiscal year 2021.

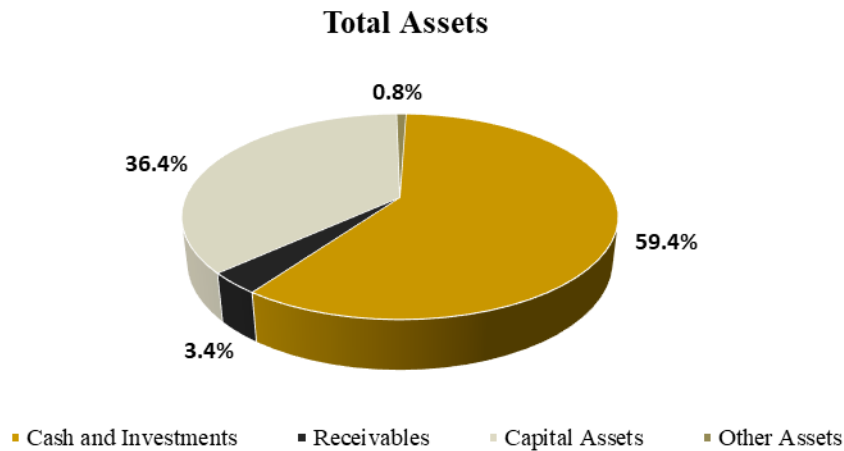
**Figure 1** represents the composition of total assets as of June 30, 2022.



**Total Assets**  
(in thousands of dollars)

Cash and Investments	\$ 4,672,275	58.6%
Receivables	282,382	3.5%
Capital Assets	2,943,693	36.9%
Other Assets	71,584	1.0%
<b>Total Assets</b>	<b>\$ 7,969,934</b>	<b>100.0%</b>

**Figure 2** represents the composition of total assets as of June 30, 2021.



**Total Assets**  
(in thousands of dollars)

Cash and Investments	\$ 4,689,999	59.4%
Receivables	269,010	3.4%
Capital Assets	2,873,341	36.4%
Other Assets	66,214	0.8%
<b>Total Assets</b>	<b>\$ 7,898,564</b>	<b>100.0%</b>

### ***Deferred Outflows of Resources***

Deferred outflows of resources represent a consumption of resources that do not require a further exchange of goods and services, but that are applicable to a future reporting period. They are not shown on the Statement of Revenues, Expenses, and Changes in Net Position because they are not expense items relating to the current fiscal year, but to future periods. They are not shown on the Statement of Net Position in the Asset section because they are not items the University owns. Instead, they are presented on the Statement of Net Position as deferred outflows to reflect the fact that the recognition of the related expense will happen at a future date. The amounts recorded as deferred outflows for the fiscal years presented result from pension and other post-employment benefits related items, capital debt refunding transactions, and asset retirement obligations.

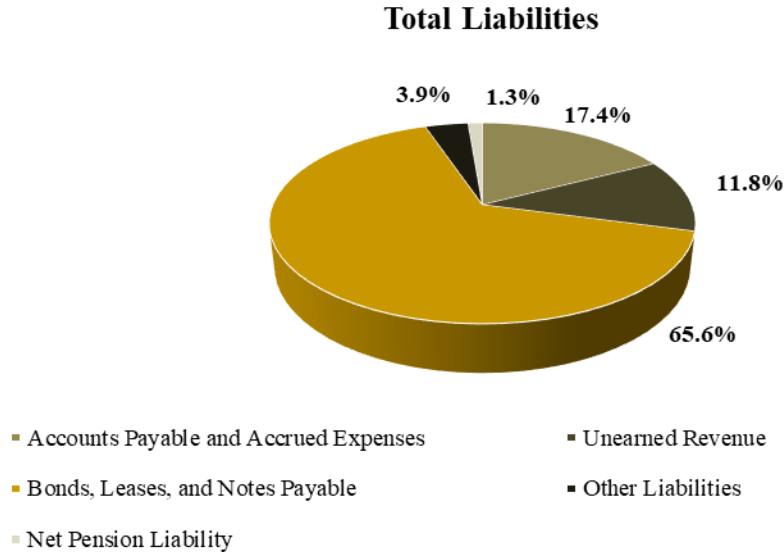
### ***Liabilities***

Current liabilities generally are due and payable over the course of the following fiscal year. These include accounts and other payables, unearned revenues, current portion of long-term debt, and salaries along with related compensation payables. Current liabilities include variable-rate demand bonds, although most of the bonds are expected to be paid in future fiscal years. Noncurrent liabilities are generally expected to be extinguished at some point later than the following fiscal year. These include the noncurrent portion of compensated absences, pension, other post-employment benefits, other liabilities,

and bonds, notes, and leases payable. Total liabilities were approximately \$1.7 and \$1.8 billion as of June 30, 2022 and 2021, respectively.

Bonds, leases, and notes payable decreased by \$87.9 million in fiscal year 2022 primarily due to debt payments, and increased \$107.7 million in fiscal year 2021, primarily due to issuances of new debt and the implementation of GASB 87 for Leases. A discussion of the University’s capital financing activities appears in the Debt and Financing Activities section below, and in Note 6.

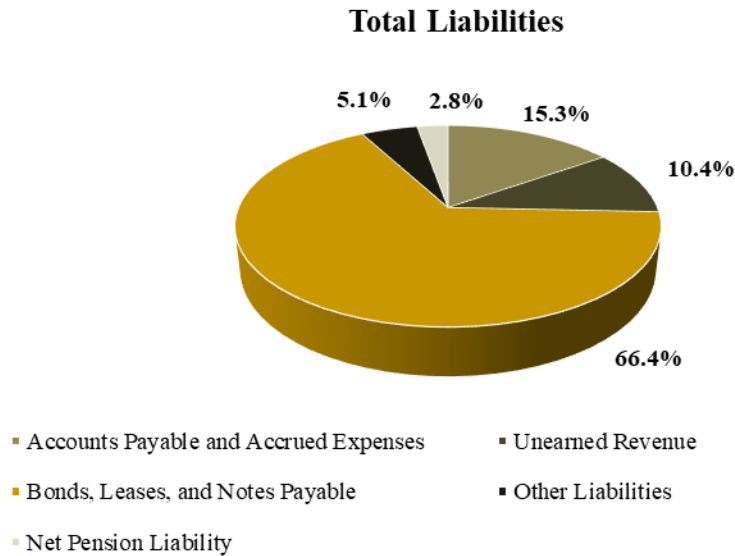
**Figure 3** represents the composition of total liabilities as of June 30, 2022.



**Total Liabilities**  
*(in thousands of dollars)*

Accounts Payable and Accrued Expenses	\$ 291,589	17.4%
Unearned Revenue	196,488	11.8%
Bonds, Leases, and Notes Payable	1,092,585	65.6%
Other Liabilities	64,483	3.9%
Net Pension Liability	21,151	1.3%
<b>Total Liabilities</b>	<b>\$ 1,666,296</b>	<b>100.0%</b>

Figure 4 represents the composition of total liabilities as of June 30, 2021.



**Total Liabilities**  
(in thousands of dollars)

Accounts Payable and Accrued Expenses	\$ 272,057	15.3%
Unearned Revenue	185,273	10.4%
Bonds, Leases, and Notes Payable	1,180,479	66.4%
Other Liabilities	90,492	5.1%
Net Pension Liability	49,762	2.8%
<b>Total Liabilities</b>	<b>\$ 1,778,063</b>	<b>100.0%</b>

***Deferred Inflows of Resources***

Deferred inflows of resources represent an acquisition of resources that do not require a further exchange of goods and services, but that are applicable to a future reporting period. They are not shown on the Statement of Revenues, Expenses, and Changes in Net Position because they are not revenue items related to the current fiscal year, but to future periods. They are not shown on the Statement of Net Position in the Liability section because they are not items the University owes. Instead, they are presented on the Statement of Net Position as deferred inflows to reflect the fact that the recognition of the related revenue will happen at a future date. The amounts recorded as deferred inflows for the fiscal years presented result from pension, other post-employment benefits, charitable remainder trusts, capital debt refunding, and leases.

**Net Position**

Net position is the residual of all other elements presented in the Statement of Net Position. Net position is classified into four categories:

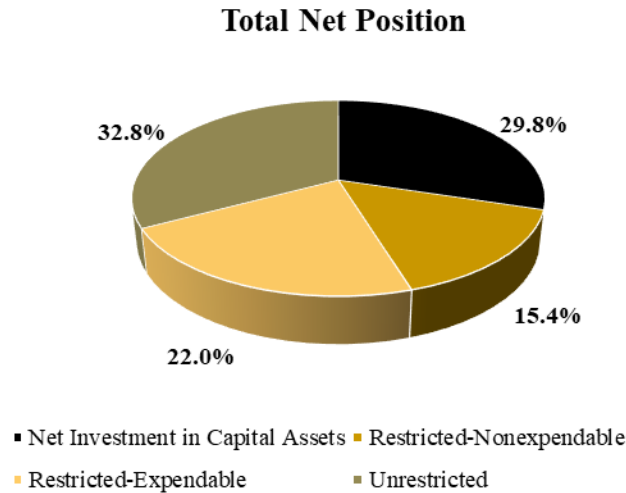
**Net Investment in Capital Assets** represents the University’s investment in right-to-use assets and capital assets such as moveable equipment, buildings, land, infrastructure, and improvements, net of accumulated depreciation, lease liabilities, and related debt.

**Restricted–Nonexpendable** represents the corpus of the University’s permanent endowments received from donors for the purpose of creating present and future income. The corpus must be held inviolate and in perpetuity.

**Restricted–Expendable** represents the portion of net position that may be spent, provided certain third-party restrictions are met. Examples include balances from scholarships, grants and contracts, and spendable earnings from endowments.

**Unrestricted** represents the portion of net position that has no third-party restrictions. Management designates the majority of this balance for specific purposes to fulfill strategic initiatives and operational needs.

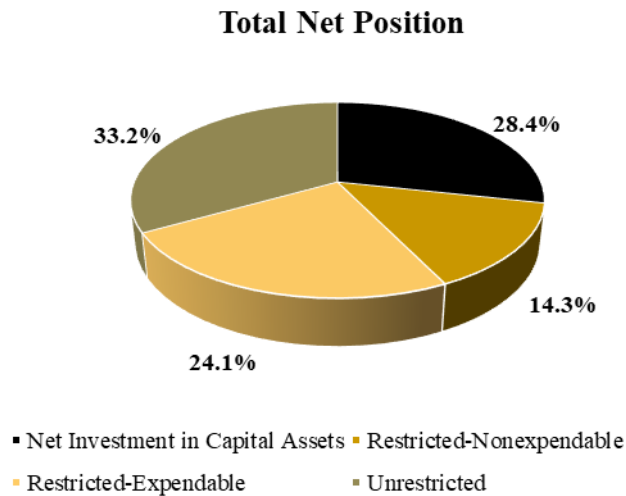
**Figure 5** represents the composition of net position as of June 30, 2022.



**Total Net Position**  
*(in thousands of dollars)*

Net Investment in Capital Assets	\$ 1,864,149	29.8%
Restricted-Nonexpendable	962,179	15.4%
Restricted-Expendable	1,377,049	22.0%
Unrestricted	2,049,087	32.8%
<b>Total</b>	<b>\$ 6,252,464</b>	<b>100.0%</b>

Figure 6 represents the composition of net position as of June 30, 2021.



**Total Net Position**  
(in thousands of dollars)

Net Investment in Capital Assets	\$ 1,733,508	28.4%
Restricted-Nonexpendable	872,775	14.3%
Restricted-Expendable	1,468,958	24.1%
Unrestricted	2,023,025	33.2%
<b>Total</b>	<b>\$ 6,098,266</b>	<b>100.0%</b>

Net investment in capital assets increased \$130.6 and \$22.6 million in fiscal years 2022 and 2021, respectively. The increases for fiscal years ended June 30, 2022 and 2021 are a result of continued capital investment and changes in the capital debt portfolio. Additional details are provided in the Capital Asset and Debt Administration section of this analysis.

The restricted-nonexpendable balance increased \$89.4 and \$52.3 million in fiscal years 2022 and 2021, respectively, primarily resulting from contributions to endowments. Restricted-expendable balances decreased by \$91.9 million and increased by \$540.2 million in fiscal years ended June 30, 2022 and 2021, respectively, driven by the respective changes in market value of investments.

The unrestricted net position had an increase of \$26.1 and \$398.4 million for the fiscal years ended June 30, 2022 and 2021, respectively.

## Statement of Revenues, Expenses, and Changes in Net Position

Revenues are classified for financial reporting as either operating or nonoperating. Operating revenues are generated by providing goods and services to our students and other important constituents of the University and include tuition and fees, grants and contracts, and sales and services. Tuition and fees and housing revenue assessed to students are reported gross, with the related scholarship allowance presented separately. Nonoperating revenues are those received by the University without providing a

corresponding good or service and include state appropriations, investment income, and private gifts. As Purdue is a public university, nonoperating revenues are an integral part of the operating budget. Private gifts for capital projects and additions to the University's endowment are also considered nonoperating sources of revenue.

A summarized comparison of the University's revenues, expenses, and changes in net position at June 30, 2022, 2021, and 2020, is presented below.

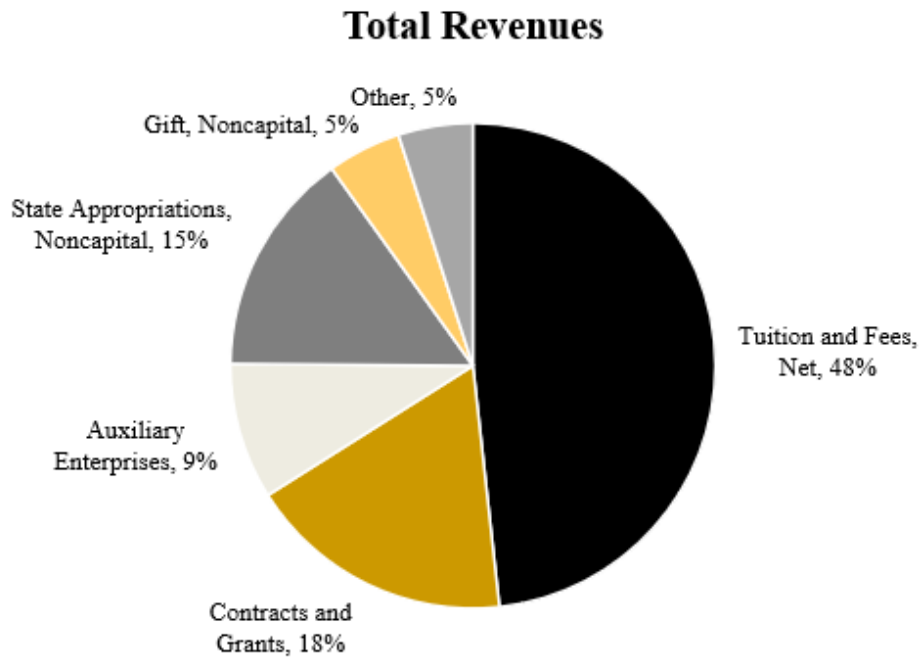
**Table 2**

**Summary Statement of Revenues, Expenses, and Changes in Net Position (Dollars in Thousands)**

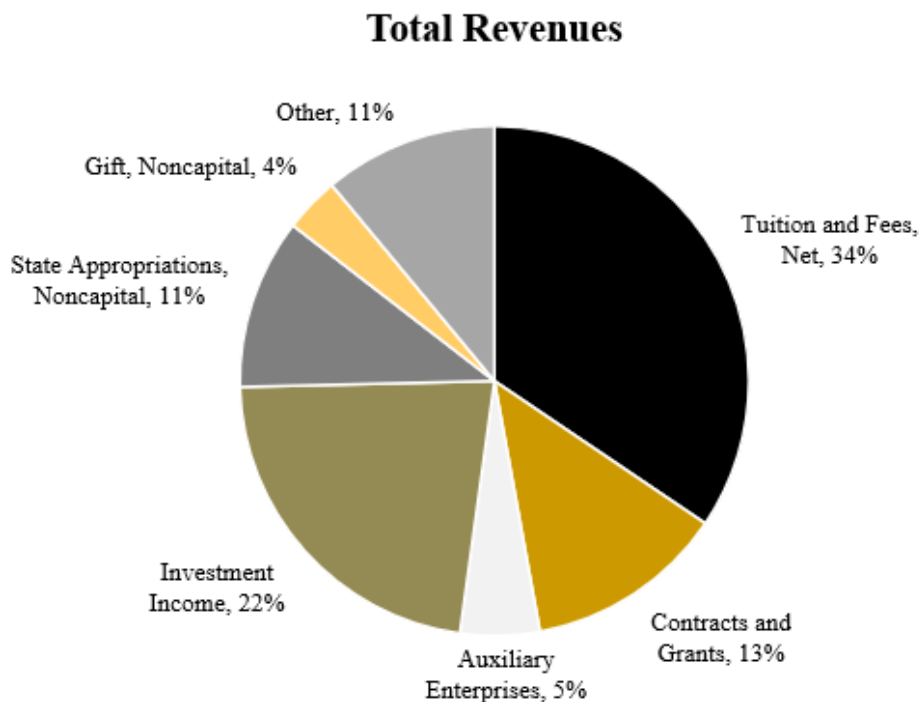
	2022	2021	2020
	As Restated		
<b>Operating Revenues</b>			
Tuition and Fees	\$ 1,548,064	\$ 1,459,857	\$ 1,385,459
Less: Scholarship Allowance	(202,420)	(205,657)	(213,949)
Grants and Contracts	524,269	461,752	488,096
Auxiliary Enterprises	268,657	198,323	234,336
Less: Scholarship Allowance	(15,400)	(14,694)	(16,830)
Other Operating Revenues	153,610	130,382	143,231
<b>Total Operating Revenues</b>	<b>2,276,780</b>	<b>2,029,963</b>	<b>2,020,343</b>
<b>Operating Expenses</b>			
Instruction	860,483	811,219	853,454
Research	336,208	291,473	295,279
Extension and Public Service	153,406	135,935	146,346
Academic Support	183,243	163,194	174,145
Student Services	165,637	180,730	170,182
General Administration and Institutional Support	427,231	396,888	368,874
Physical Plant Operations and Maintenance	140,178	128,627	140,743
Depreciation	215,560	212,195	186,934
Student Aid	146,669	98,585	62,240
Auxiliaries	193,427	172,965	199,976
<b>Total Operating Expenses</b>	<b>2,822,042</b>	<b>2,591,811</b>	<b>2,598,173</b>
<b>Operating Loss</b>	<b>(545,262)</b>	<b>(561,848)</b>	<b>(577,830)</b>
<b>Nonoperating Revenues</b>			
Interest Expense	(33,722)	(35,712)	(28,969)
Capital and Endowments	105,093	66,935	78,956
<b>Total Nonoperating Revenues</b>	<b>699,460</b>	<b>1,575,306</b>	<b>731,484</b>
<b>Increase in Net Position</b>	<b>154,198</b>	<b>1,013,458</b>	<b>153,654</b>
<b>Net position, Beginning of Year</b>	<b>6,098,266</b>	<b>5,084,808</b>	<b>4,931,154</b>
<b>Net position, End of Year</b>	<b>\$ 6,252,464</b>	<b>\$ 6,098,266</b>	<b>\$ 5,084,808</b>

Figures 7 and 8 provide information about the University’s sources of revenues for fiscal years 2022 and 2021. The University had an increase in net position of \$154.2 million and \$1.0 billion for fiscal years ended June 30, 2022 and 2021, respectively.

**Figure 7: University Revenue by Category for FY 2022**

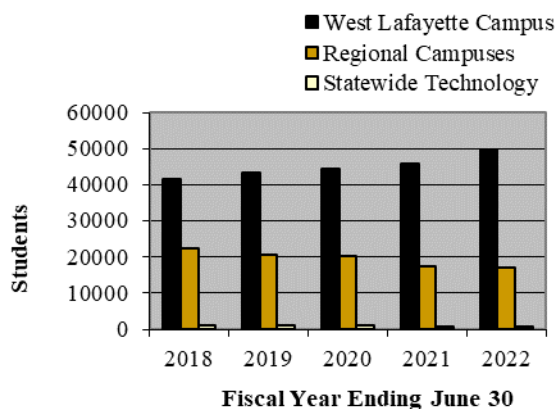


**Figure 8: University Revenue by Category for FY 2021**



For the fiscal years ended June 30, 2022 and 2021, the total operating revenues increased \$246.8 million, or 12.2% and \$9.6 million, or 0.5%, respectively. Net tuition and fee revenue increased by \$91.4 and \$82.7 million in fiscal years 2022 and 2021, respectively, primarily resulting from increased enrollment at the West Lafayette campus. Enrollment patterns for the past five years are illustrated below.

**Five-Year Enrollment Data\*  
Fall Semester Enrollment**



*\*Enrollment figures do not include Purdue University students enrolled at the Indiana University-Purdue University Indianapolis campus or Purdue University Global.*

Operating grants and contracts revenue increased \$62.5 million, or 13.5% and decreased \$26.3 million, or 5.4% for the fiscal years ended June 30, 2022 and 2021, respectively, primarily due to fluctuations in grant research. Auxiliary Enterprises revenue increased \$70.3 million, or 35.5% and decreased \$36.0 million, or 15.4% in fiscal years ended June 30, 2022 and 2021, respectively, primarily due to changes in operations related to the COVID-19 pandemic.

For fiscal year ended June 30, 2022, nonoperating revenues before capital and endowments, net of expenses, decreased by \$914.0 million. The nonoperating revenues includes \$129.6 million in HEERF grant revenue. The overall decrease in nonoperating revenue is primarily due to investment income fluctuations related to the market. These investment income fluctuations also drove the \$855.8 million increase in nonoperating revenues before capital and endowments for fiscal year June 30, 2021. The net investment performance of the University’s endowment was 1.1% and 38.6% for the fiscal years 2022 and 2021, respectively, using the most recent data available. The endowment was invested in private investments (41.8%), public equities (50.0%), and fixed income investments (8.2%). The portfolio composition did not materially change from the prior fiscal year.

For the fiscal years ended June 30, 2022 and 2021, capital and endowment income increased by \$38.2 million, or 57.0%, and decreased by \$12.0 million, or 15.2%, respectively, primarily due to changes in private gifts for endowments and capital gifts.

Operating expenses were \$2.8 billion and \$2.6 billion for the fiscal years ended June 30, 2022 and 2021, respectively, representing an increase of \$230.2 million during 2022 and a decrease of \$6.4 million during 2021. Compensation and benefits expenses were \$1.7 billion and \$1.6 billion for fiscal years ended June 30, 2022 and 2021, respectively, representing an increase of \$66.0 million during 2022 and a decrease of

\$50.4 million during 2021. These changes are primarily due to changes in select operations related to the COVID 19 pandemic.

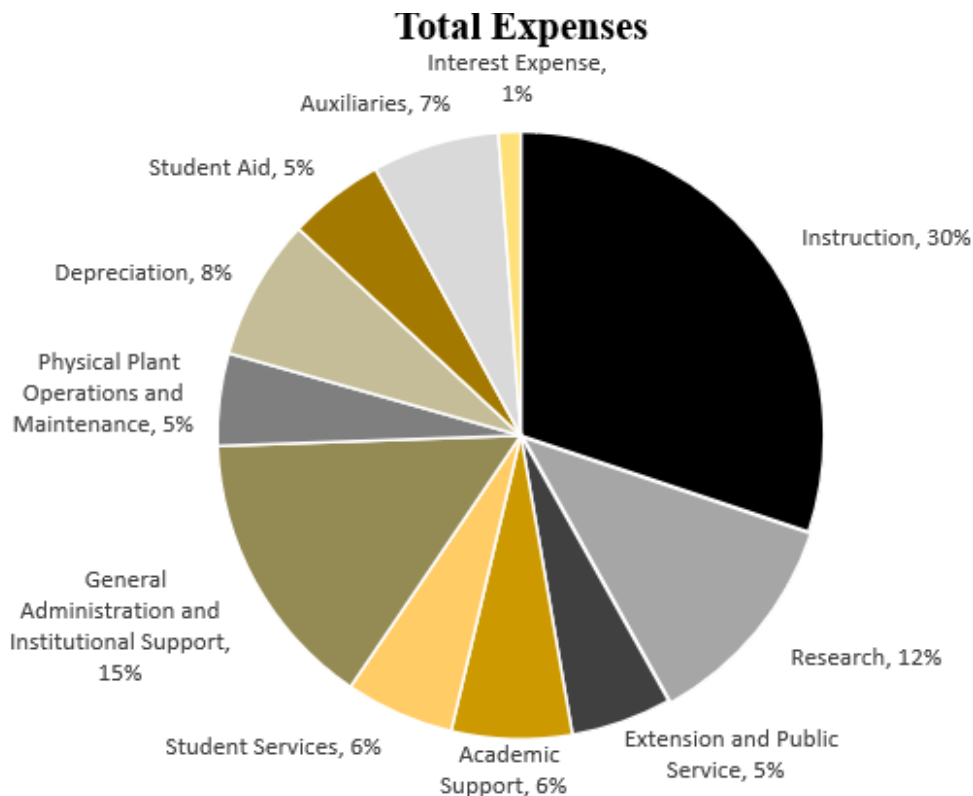
Supplies and services expenses were \$789.1 million for the fiscal year ended June 30, 2022, an increase of \$112.8 million from 2021. Supplies and services expenses were \$676.3 million for the fiscal year ended June 30, 2021, a decrease of \$17.6 million from 2020. These changes are also primarily due to changes in select operations related to the COVID 19 pandemic.

For the fiscal years ended June 30, 2022 and 2021, depreciation expense was \$215.6 and \$212.2 million, respectively.

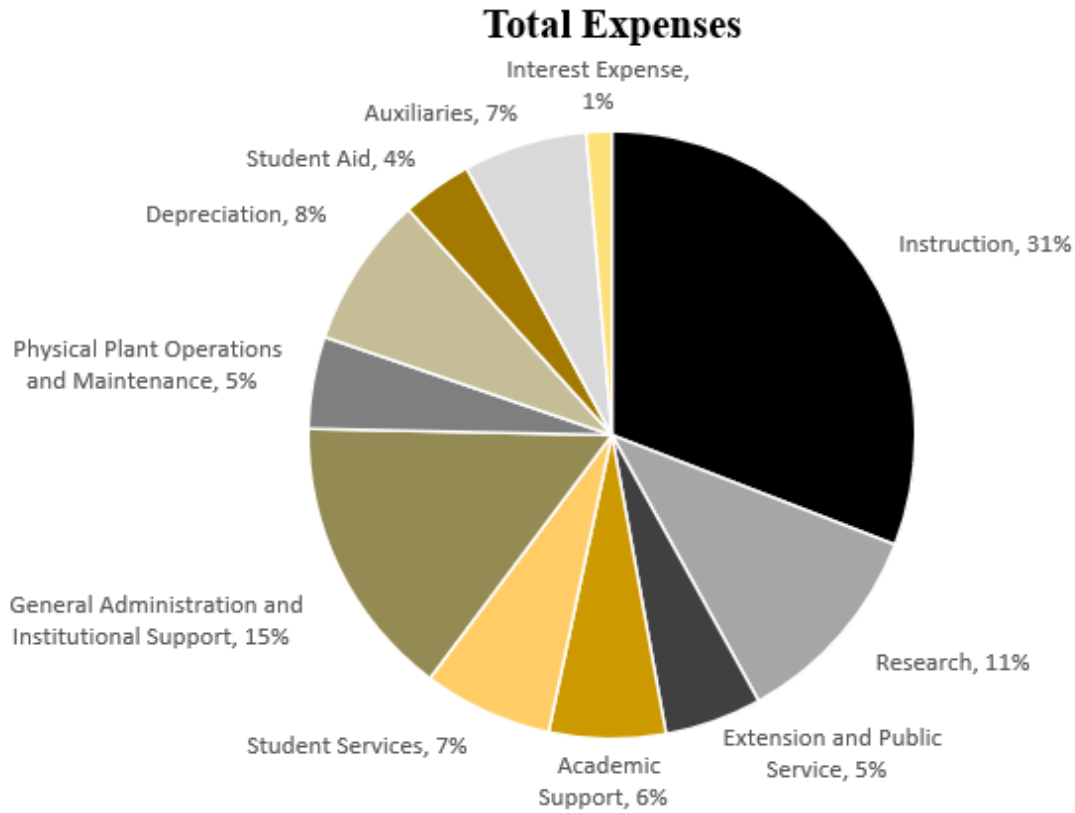
Scholarships, fellowships, and student awards were \$146.7 and \$98.6 million for the fiscal years ended June 30, 2022 and 2021, respectively. The increases of \$48.1 and \$36.3 million during 2022 and 2021 were primarily due to HEERF funds expensed for the benefit of students.

In addition to the functional classification of operating expenses, the University also presents expenses by natural classification on the Statement of Revenues, Expenses, and Changes in Net Position. Figures 9 and 10 provide information about the functional classification of the University’s expenses for the fiscal years ended June 30, 2022 and 2021.

**Figure 9: University Expenses by Function for FY 2022**



**Figure 10: University Expenses by Function for FY 2021**



## Statement of Cash Flows

The Statement of Cash Flows provides a means to assess the financial health of the University by presenting relevant information about the cash receipts and cash payments of the University during the fiscal year. It assists in determining the University's ability to generate future net cash flows to meet its obligations as they become due and to determine the need for external financing. The Statement of Cash Flows presents sources and uses of cash and cash equivalents in four activity-based categories: operating, noncapital financing, investing, and capital and related financing. Table 3 provides a summarized comparison of the University's sources, uses, and changes in cash and cash equivalents.

**Table 3****Summary Statement of Cash Flows (Dollars in Thousands)**

	2022	As Restated	2021	2020
Cash Used by Operating Activities	\$ (296,534)		\$ (372,312)	\$ (319,094)
Cash Provided by Noncapital Financing Activities	851,808		785,096	673,751
Cash (Used) Provided by Investing Activities	(232,332)		(173,769)	36,701
Cash Used by Capital and Related Financing Activities	(375,768)		(319,879)	(230,808)
Net (Decrease) Increase in Cash and Cash Equivalents	(52,826)		(80,864)	160,550
Cash and Cash Equivalents, Beginning of Year	356,357		437,221	276,671
<b>Cash and Cash Equivalents, End of Year</b>	<b>\$ 303,531</b>		<b>\$ 356,357</b>	<b>\$ 437,221</b>

The cash provided by noncapital financing activities reflect the nonoperating revenue changes described above. The cash provided and used by investing activities represent the changes in investments of cash to and from operations. The fluctuation in cash flows used by capital and related financing activities reflects the financing strategy and timing of the University's capital plan, which is outlined in the Capital Asset and Debt Administration section.

**Capital Asset and Debt Administration****Significant Construction Projects**

The University continues to expand its campuses and renovate existing facilities to meet the needs of its students, faculty, and staff. Significant construction projects (over \$20 million) completed during fiscal years 2022 and 2021 are presented in Table 4 and significant projects in progress at June 30, 2022 are presented in Table 5.

**Table 4****Significant Construction Projects Completed (Dollars in Thousands)****Projects Completed in 2022**

Veterinary Hospital Complex	\$ 108,000
Purdue Memorial Union Ground Floor Dining Renovation	35,700
<b>Total Significant Construction Projects Completed</b>	<b>\$ 143,700</b>

**Projects Completed in 2021**

Agricultural and Biological Engineering Renovation and Addition	\$ 80,000
Purdue Memorial Union Hotel Renovation	35,700
<b>Total Significant Construction Projects Completed</b>	<b>\$ 115,700</b>

**Table 5****Significant Construction Projects in Progress (Dollars in Thousands)**

	<b>Project Budget</b>
Engineering and Polytechnic Gateway	\$ 140,000
Hypersonics and Applied Research Building	41,000
Schleman Hall, Stewart Center, and Related Renovation	52,800
Life Science Ranges Phenotyping Greenhouse Building	20,000
Ross-Ade Stadium Renovation	45,400
ZL9 & High Pressure Air Plant	73,000
Hagle Hall Bands and Orchestra Building	22,000
<b>Total Significant Construction Projects in Progress</b>	<b><u>\$ 394,200</u></b>

**Debt and Financing Activities**

As of June 30, 2022 and 2021, bonds, leases, and notes payable totaled approximately \$1.1 and \$1.2 billion, respectively, and represented approximately 65.4% and 66.4%, respectively, of the total liabilities of the University. The University's debt portfolio as of June 30, 2022 consisted of \$28.9 million of variable rate instruments (2.6%) and \$1.1 billion in leases and fixed rate obligations (97.4%). As of June 30, 2021, consisted of \$54.2 million of variable rate instruments (4.6%) and \$1.1 billion in leases and fixed rate obligations (95.4%). Additional details about University indebtedness are provided in Note 6.

As of June 30, 2022 and 2021, the University had a credit rating of Aaa from Moody's Investors Service and AAA from Standard & Poor's. The University was in a limited group of public higher education institutions with such a credit rating – only eight Universities were so rated at those dates by Moody's and only seven by Standard & Poor's. In addition, the University's variable rate debt maintains short-term ratings from Moody's of Aaa/VMIG-1 and by Standard & Poor's of A-1+.

**Economic Outlook**

For fiscal year 2023, the Indiana General Assembly appropriated \$312.5 million for the West Lafayette campus, \$55.3 million for Purdue Northwest and \$53.8 million for Purdue Fort Wayne. Fiscal year 2023 is the second year of the State of Indiana's biennial budget. Appropriations for fiscal years 2024 and 2025 will be determined in April 2023.

Academic year 2022-23 tuition rates for both Indiana resident and nonresident students remain flat at the West Lafayette campus for the tenth year in a row. The regional campuses had modest tuition increases for undergraduates as follows: Fort Wayne 1.45% and Purdue Northwest 1.45%. Each campus continues its efforts to identify operational efficiencies, cost savings initiatives and new sources of revenue to supplement its operating budget. In December 2021 the West Lafayette campus announced it will hold tuition flat for an eleventh year in fiscal year 2024, continuing its commitment to support student affordability and accessibility.

Enrollment at all Purdue campuses was 69,510\* for the fall semester of the 2022-2023 academic year. At the West Lafayette campus, enrollment hit a record high at 50,884 for the fall semester of the 2022-2023 academic year, up 1,245 from the fall semester of the prior academic year. Applications for admission in

Fall 2022 increased again, growing by 15% , with an undergraduate first-year class of 9,354. By design the Fall 2022 first-year class was smaller than the record first-year class in Fall 2021.

Purdue continues to experience record-high retention and graduation rates due to a university-wide commitment to student success. The four-year graduation rate at the West Lafayette campus increased to 66% compared to 65% last year. The average undergraduate time to degree continued a decade-long decline and is less than 4 years, at 3.91 years for the 2022-2023 academic year. The six-year graduation rate increased to 84% from 83% last year.

*\*Enrollment figures do not include Purdue University students enrolled at the Indiana University-Purdue University Indianapolis campus or Purdue University Global.*



# Purdue University

## Statement of Net Position

As of June 30 (Dollars in Thousands)

	Purdue University		Discretely Presented Component Units	
	2022	2021 As Restated	2022	2021 As Restated
<b>Assets and Deferred Outflows of Resources:</b>				
<b>Current Assets:</b>				
Cash and Cash Equivalents	\$ 303,531	\$ 356,357	\$ 39,788	\$ 38,321
Investments	103,907	278,499	140,547	127,009
Accounts Receivable, Net	139,110	151,063	10,806	6,720
Pledges Receivable, Net	39,071	31,782	175	360
Notes Receivable, Net	9,837	10,092	4,298	1,867
Other Receivables	1,271	1,174	-	-
Other Assets	33,087	31,189	6	5
<b>Total Current Assets</b>	<b>629,814</b>	<b>860,156</b>	<b>195,620</b>	<b>174,282</b>
<b>Noncurrent Assets:</b>				
Investments	4,264,837	4,055,143	3,664,640	3,778,684
Pledges Receivable, Net	62,073	36,520	-	77
Notes and Other Receivables, Net	31,020	38,379	209,546	213,721
Interest in Charitable Remainder Trusts	31,234	35,025	16,781	19,803
Capital Assets, Net	2,943,693	2,873,341	268,559	291,279
Other Noncurrent Assets	7,263	-	18,702	14,232
<b>Total Noncurrent Assets</b>	<b>7,340,120</b>	<b>7,038,408</b>	<b>4,178,228</b>	<b>4,317,796</b>
<b>Total Assets</b>	<b>7,969,934</b>	<b>7,898,564</b>	<b>4,373,848</b>	<b>4,492,078</b>
<b>Deferred Outflows of Resources</b>	47,451	39,502	3,628	4,019
<b>Liabilities and Deferred Inflows of Resources:</b>				
<b>Current Liabilities:</b>				
Accounts Payable and Accrued Expenses	216,089	198,121	37,590	36,921
Unearned Revenue	196,488	185,273	2,858	2,846
Accrued Compensated Absences	33,580	28,971	-	-
Other Post Employment Benefits	3,609	2,715	-	-
Bonds, Leases, and Notes Payable	97,813	138,772	17,909	8,314
<b>Total Current Liabilities</b>	<b>547,579</b>	<b>553,852</b>	<b>58,357</b>	<b>48,081</b>
<b>Noncurrent Liabilities:</b>				
Accrued Compensated Absences	41,920	44,965	-	-
Other Post Employment Benefits	25,309	32,045	-	-
Net Pension Liability	21,151	49,762	-	-
Advances from Federal Government	1,902	4,896	-	-
Other Noncurrent Liabilities	33,663	50,836	2,669,140	2,769,892
Bonds, Leases, and Notes Payable	994,772	1,041,707	317,695	324,550
<b>Total Noncurrent Liabilities</b>	<b>1,118,717</b>	<b>1,224,211</b>	<b>2,986,835</b>	<b>3,094,442</b>
<b>Total Liabilities</b>	<b>1,666,296</b>	<b>1,778,063</b>	<b>3,045,192</b>	<b>3,142,523</b>
<b>Deferred Inflows of Resources</b>	98,625	61,737	1,015	1,325

## Statement of Net Position

As of June 30 (Dollars in Thousands)  
(continued from previous page)

	Purdue University		Discretely Presented Component Units	
	2022	2021 As Restated	2022	2021 As Restated
<b>Net Position:</b>				
<b>Net Investment in Capital Assets</b>	\$ 1,864,149	\$ 1,733,508	\$ 90,610	\$ 118,563
<b>Restricted:</b>				
Nonexpendable:				
Instruction and Research	486,707	449,503	66,230	65,741
Student Aid	435,733	394,549	92,386	88,181
Other	39,739	28,723	14,976	15,102
<b>Total Nonexpendable</b>	<b>962,179</b>	<b>872,775</b>	<b>173,592</b>	<b>169,024</b>
Expendable:				
Instruction, Research and Public Service	239,940	215,773	289,597	279,573
Student Aid	92,609	89,063	420,875	472,492
Construction	127,792	137,168	-	-
Other, Including Gains on Restricted Endowments	916,708	1,026,954	135,798	112,436
<b>Total Expendable</b>	<b>1,377,049</b>	<b>1,468,958</b>	<b>846,270</b>	<b>864,501</b>
<b>Unrestricted</b>	<b>2,049,087</b>	<b>2,023,025</b>	<b>220,797</b>	<b>200,161</b>
<b>Total Net Position</b>	<b>\$ 6,252,464</b>	<b>\$ 6,098,266</b>	<b>\$ 1,331,269</b>	<b>\$ 1,352,249</b>

*The Accompanying Notes are an Integral Part of these Financial Statements*



# Purdue University

## Statement of Revenues, Expenses and Changes in Net Position

For the Years Ended June 30 (Dollars in Thousands)

	Purdue University		Discretely Presented Component Units	
	<u>2022</u>	<u>2021</u> As Restated	<u>2022</u>	<u>2021</u> As Restated
<b>Operating Revenues:</b>				
Tuition and Fees	\$ 1,548,064	\$ 1,459,857	\$ -	\$ -
Less: Scholarship Allowance	(202,420)	(205,657)	-	-
Grants and Contracts	524,269	461,752	-	-
Sales and Services	151,565	128,820	41,921	41,019
Auxiliary Enterprises	268,657	198,323	-	-
Less: Scholarship Allowance	(15,400)	(14,694)	-	-
Other Operating Revenues	2,045	1,562	5,813	4,246
<b>Total Operating Revenues</b>	<b>2,276,780</b>	<b>2,029,963</b>	<b>47,734</b>	<b>45,265</b>
<b>Operating Expenses:</b>				
Compensation and Benefits	1,670,683	1,604,709	43,048	39,410
Supplies and Services	789,130	676,322	104,845	86,954
Depreciation Expense	215,560	212,195	11,301	11,343
Scholarships, Fellowships, & Student Awards	146,669	98,585	-	-
<b>Total Operating Expenses</b>	<b>2,822,042</b>	<b>2,591,811</b>	<b>159,194</b>	<b>137,707</b>
<b>Net Operating Loss</b>	<b>(545,262)</b>	<b>(561,848)</b>	<b>(111,460)</b>	<b>(92,442)</b>
<b>Nonoperating Revenues (Expenses):</b>				
State Appropriations	417,428	394,199	-	-
Grants and Contracts	260,439	225,113	-	-
Private Gifts	137,538	127,876	107,943	33,429
Investment Income (Loss)	(195,435)	817,505	(38,485)	335,613
Interest Expense	(33,722)	(35,712)	(11,529)	(11,168)
Other Nonoperating Revenues (Expenses)	8,119	(20,610)	27,221	32,515
<b>Total Nonoperating Revenues before Capital and Endowments</b>	<b>594,367</b>	<b>1,508,371</b>	<b>85,150</b>	<b>390,389</b>
<b>Capital and Endowments:</b>				
Capital Gifts	27,017	15,430	-	-
Private Gifts for Permanent Endowments	78,076	51,505	5,330	12,661
<b>Total Capital and Endowments</b>	<b>105,093</b>	<b>66,935</b>	<b>5,330</b>	<b>12,661</b>
<b>Total Nonoperating Revenues</b>	<b>699,460</b>	<b>1,575,306</b>	<b>90,480</b>	<b>403,050</b>
<b>INCREASE (DECREASE) IN NET POSITION</b>	<b>154,198</b>	<b>1,013,458</b>	<b>(20,980)</b>	<b>310,608</b>
Net Position, Beginning of Year	6,098,266	5,084,808	1,352,249	1,041,641
<b>Net Position, End of Year</b>	<b>\$ 6,252,464</b>	<b>\$ 6,098,266</b>	<b>\$ 1,331,269</b>	<b>\$ 1,352,249</b>

The Accompanying Notes are an Integral Part of these Financial Statements

# Purdue University

## Statement of Cash Flows

For the Years Ended June 30 (Dollars in Thousands)

	<u>2022</u>	<u>2021</u> As Restated
<b>Cash Flows From Operating Activities:</b>		
Tuition and Fees, Net of Scholarship Allowances	\$ 1,356,633	\$ 1,226,829
Grants and Contracts	518,808	461,086
Sales and Services	152,429	135,752
Auxiliary Enterprises, Net of Scholarship Allowances	269,966	186,796
Other Operating Revenues	2,212	2,508
Compensation and Benefits	(1,669,153)	(1,597,272)
Supplies and Services	(784,657)	(692,763)
Scholarships, Fellowships and Student Awards	(146,675)	(98,634)
Other Operating Expenses	(2,994)	(3,622)
Direct Loans Issued	(483,807)	(485,568)
Direct Loans Received	483,607	485,346
Student Loans Issued	(1,592)	(1,975)
Student Loans Collected	8,689	9,205
<b>Cash Used by Operating Activities</b>	<b>(296,534)</b>	<b>(372,312)</b>
<b>Cash Flows From Noncapital Financing Activities:</b>		
State Appropriations	417,428	394,199
Grants and Contracts	260,439	225,113
Gifts for Other than Capital Purposes	183,320	158,956
Other Nonoperating Revenues (Expenses)	(9,379)	6,828
<b>Cash Provided by Noncapital Financing Activities</b>	<b>851,808</b>	<b>785,096</b>
<b>Cash Flows From Investing Activities:</b>		
Purchases of Investments	(4,343,816)	(4,279,611)
Proceeds from Sales and Maturities of Investments	4,065,883	4,067,022
Interest and Dividends on Investments, Net	45,601	38,820
<b>Cash Used by Investing Activities</b>	<b>(232,332)</b>	<b>(173,769)</b>
<b>Cash Flows From Capital and Related Financing Activities:</b>		
Debt Repayment	(114,321)	(125,932)
Capital Debt Proceeds	30,784	42,310
Interest Expense	(43,920)	(47,271)
Capital Gifts Received	27,556	20,570
Construction or Purchase of Capital Assets	(275,867)	(209,556)
<b>Cash Used by Capital and Related Financing Activities</b>	<b>(375,768)</b>	<b>(319,879)</b>
<b>Net Decrease in Cash and Cash Equivalents</b>	<b>(52,826)</b>	<b>(80,864)</b>
Cash and Cash Equivalents, Beginning of Year	356,357	437,221
<b>Cash and Cash Equivalents, End of Year</b>	<b>\$ 303,531</b>	<b>\$ 356,357</b>

## Statement of Cash Flows

For the Years Ended June 30 (Dollars in Thousands)  
(continued from previous page)

<b>Reconciliation of Cash Used for Operating Activities (Indirect Method)</b>	<b><u>2022</u></b>	<b><u>2021</u></b>
		<b>As Restated</b>
<b>Reconciliation of net operating loss to net cash used by operating activities:</b>		
Operating Loss	\$ (545,262)	\$ (561,848)
Depreciation Expense	215,560	212,195
Noncash investing, capital, and financing activities	220	61
Changes in Assets and Liabilities:		
Accounts Receivable	12,741	(33,253)
Notes Receivable	7,040	7,190
Other Assets	(9,213)	2,604
Accrued Compensated Absences	1,563	(709)
Other Post Employment Benefits and related deferreds	(2,711)	(2,518)
Net Pension liability and related deferreds	(4,399)	(4,419)
Accounts Payable and Accrued Expenses	19,528	(3,207)
Unearned Revenue	11,393	15,214
Advances from Federal Government	(2,994)	(3,622)
<b>Cash Used by Operating Activities</b>	<b>\$ (296,534)</b>	<b>\$ (372,312)</b>
Significant Noncash Transactions		
Right-to-use assets acquired under leases	\$ 3,937	\$ 5,290

*The Accompanying Notes are an Integral Part of these Financial Statements*

**STATEMENT OF FIDUCIARY NET POSITION***Police and Firefighters Supplemental Pension Trust Funds*

For the Years Ended June 30 (Dollars in Thousands)

	<u>2022</u>	<u>2021</u>
<b>ASSETS</b>		
TIAA Traditional	\$ 14,589	\$ 15,391
CREF Stock Account	14,921	10,477
CREF Growth Account	21,791	15,250
<b>TOTAL INVESTMENTS</b>	<u>51,301</u>	<u>41,118</u>
Accrued Income	49	42
<b>TOTAL ASSETS</b>	<u>51,350</u>	<u>41,160</u>
<b>NET POSITION</b>		
Restricted for:		
Pension benefit payments	51,350	41,160
<b>TOTAL NET POSITION</b>	<u><u>\$ 51,350</u></u>	<u><u>\$ 41,160</u></u>

*The Accompanying Notes are an Integral Part of these Financial Statements***STATEMENT OF CHANGES IN FIDUCIARY NET POSITION***Police and Firefighters Supplemental Pension Trust Funds*

For the Years Ended June 30 (Dollars in Thousands)

	<u>2022</u>	<u>2021</u>
<b>ADDITIONS</b>		
Contributions:		
Members	\$ 189	\$ 177
Employers	-	19
<b>TOTAL CONTRIBUTIONS</b>	<u>189</u>	<u>196</u>
Investment Income	11,471	3,420
<b>TOTAL ADDITIONS</b>	<u>11,660</u>	<u>3,616</u>
<b>DEDUCTIONS</b>		
Benefits paid to participants/beneficiaries	1,470	1,419
<b>TOTAL DEDUCTIONS</b>	<u>1,470</u>	<u>1,419</u>
<b>NET INCREASE IN FIDUCIARY NET POSITION</b>	10,190	2,197
NET POSITION - BEGINNING	41,160	38,963
<b>NET POSITION - ENDING</b>	<u><u>\$ 51,350</u></u>	<u><u>\$ 41,160</u></u>

*The Accompanying Notes are an Integral Part of these Financial Statements*

## Note 1 — Basis of Presentation and Summary of Significant Accounting Policies

For the Fiscal Years Ended June 30, 2022 and 2021

### ORGANIZATION:

Established in 1869, Purdue University (the University) is the land-grant University for the state of Indiana. The University is a comprehensive degree-granting research University with 28 schools and colleges on its main campus in West Lafayette and the following regional campuses:

Purdue University Fort Wayne

Purdue University Northwest

In addition to its academic programs offered at the above campuses, the University offers learning and other assistance programs at various other locations and online in the state of Indiana through:

Purdue Polytechnic Institute Statewide

College of Agriculture Purdue Extension

Technical Assistance Program

Purdue University Online

The responsibility for making rules and regulations to govern the University is vested in a 10-member Board of Trustees (the Trustees). The selection of these Trustees is prescribed in Indiana Code IC 21-23-3. Three of the Trustees are selected by the Purdue Alumni Association. The other seven Trustees are selected by the governor. Two of the Trustees must be involved in agricultural pursuits, and one must be a full-time student of the University. All Trustees serve for a period of three years, except for the student member, who serves a single two year term.

### REPORTING ENTITY:

Governmental Accounting Standards Board (GASB) Statement No. 14 *The Financial Reporting Entity* as amended define the financial reporting entity as an entity that consists of the primary government, Purdue University, and all of its component units.

There are three blended component units which are legally separate organizations that have a fiscal dependency and financial benefit or burden relationship with the primary government such that exclusion would cause the financial statements to be misleading or incomplete.

**Purdue International, Inc. (PII)** is a separately incorporated, not-for-profit entity established in 2014 to facilitate the University's international education, research, and exchange activities. In this regard, PII serves as the flagship entity for Purdue's international outreach.

The University is the sole beneficiary of PII and the governing body is substantively the same as the University's governing body. As a result, PII is reported as a blended component unit of the University and consolidated within the University's financial statements. PII is an exempt organization under Section 501(c) (3) of the Internal Revenue Code.

**Purdue University Global, Inc. (Purdue Global)** is also a separately incorporated entity formed to further the online education offerings in support of Purdue's land grant mission. The sole corporate member of Purdue Global is Purdue University, and Purdue Global's Board of Trustees is made up

primarily of members who are also members of the Board of Trustees of Purdue University. As a result, Purdue Global is reported as a blended component unit of the University and consolidated within the University's financial statements.

**Purdue Applied Research Institute, LLC (PARI)** was established as an Indiana Single Member LLC, with Purdue being the sole member, in December 2019 and did not engage in any activity until fiscal year 2022. PARI's governing body is substantially the same as the University's, and the University is the sole beneficiary of PARI. As a result, PARI is reported as a blended component unit of the University, consolidated within the university's financial statements. PARI's charitable, scientific, and educational purposes include facilitating, supporting, and delivering a large portfolio of applied and translational research programs to advance technology and develop innovative solutions to global problems through collaborations with sponsors and partners, and other outreach programs.

There are three discretely presented component units, which are defined as organizations that raise and hold economic resources for the direct benefit of the University. These units are not consolidated within the University's financial statements, but their summary financial information is presented in Note 10 and in columnar format next to the University's information on the Statement of Net Position and Statement of Revenues, Expenses and Net Position as required by GASB Statement No. 39, as amended by GASB Statement No. 61. Two of the current discretely presented component units report under GASB standards, however, Purdue Research Foundation (PRF) reports under Financial Accounting Standards Board (FASB) standards, including FASB Statement No. 117 replaced by ASC 958 *Financial Reporting of Not-for-Profit*. As such, certain revenue recognition criteria and presentation features are different from GASB revenue recognition criteria and presentation features. PRF's FASB audited financial statements were reclassified to GASB presentation for inclusion in the University's financial statements.

**Purdue Research Foundation (PRF)** was created in 1930 as a separately incorporated, not-for-profit entity. Its primary purpose is to promote the educational purpose of the University; award scholarships, grants, or other financial assistance to students and faculty to aid in scientific investigation, research, or educational studies; seek, acquire, invest, and hold gifts and endowments for the needs of the University; acquire property or facilities for the future use or benefit of the University. The economic resources received or held by PRF are entirely, or almost entirely, for the direct benefit of the University; however, the University does not appoint the voting majority of PRF's Board of Directors. As a result, PRF is reported as a discretely presented component unit. PRF is an exempt organization under Section 501(c) (3) of the Internal Revenue Code. PRF includes several wholly owned subsidiary LLC corporations, all of which support the purposes of PRF and the University. PRF also includes the wholly owned subsidiary McClure Park, LLC, which is a for-profit Indiana corporation that was formed to acquire, construct, lease, operate, convey, and mortgage real estate and personal property of every kind and any interest therein. McClure Park, LLC wholly owns single member limited liability subsidiaries and participates in several limited liability corporations primarily accounted for using the equity method. Complete financial statements for the foundation can be obtained by writing to: Purdue Research Foundation, 1281 Win Hentschel Blvd, Suite 2500, West Lafayette, IN 47906.

**Ross-Ade Foundation** was created in 1923 as a separately incorporated, not-for-profit entity. The Ross-Ade Foundation constructs athletic and parking facilities on behalf of the University. The Ross-Ade Foundation provides services entirely, or almost entirely, to the University or otherwise exclusively, or almost exclusively, benefits the University even if it does not provide services directly

to it. The University appoints the voting majority of the Ross-Ade Foundation's Board of Directors, but it is not substantively the same as the University's Board of Directors. As a result, the Ross-Ade Foundation is reported as a discretely presented component unit. The Ross-Ade Foundation is an exempt organization under Section 501(c) (3) of the Internal Revenue Code. Complete financial statements for the foundation can be obtained by writing to: Ross-Ade Foundation, 1281 Win Hentschel Blvd, West Lafayette, IN 47906.

**Purdue Fort Wayne (PFW) Foundation** was created in 1958 to promote the educational purposes of Purdue University Fort Wayne. The PFW Foundation accomplishes that purpose by owning and leasing land and buildings, receiving gifts of money or property, and investing, transferring, or leasing personal or real property for educational or charitable purposes. The PFW Foundation provides services entirely to the University or otherwise exclusively benefits the University even if it does not provide services directly to it. The University appoints the voting majority of the PFW Foundation's Board of Directors, but it is not substantively the same as the University's Board of Directors. As a result, the PFW Foundation is reported as a discretely presented component unit. The PFW Foundation is an exempt organization under Section 501(c) (3) of the Internal Revenue Code. Complete financial statements for the foundation can be obtained by writing to: PFW Foundation, 2101 East Coliseum Blvd., KT G06, Fort Wayne, IN 46805-1499.

Indiana University-Purdue University Indianapolis is a campus of Indiana University, and accordingly has not been included in the University's financial statements.

#### **RELATIONSHIP TO THE STATE OF INDIANA:**

As one of seven public universities in the state, the University is a discrete component unit of the state of Indiana with its financial results being included in the State's Annual Comprehensive Financial Report. The University receives funding from the state for operations, repair and maintenance, construction, and debt service. A segment of its nonexempt employees participate in the state's public employees' retirement program.

#### **TAX-EXEMPT STATUS:**

The income generated by the University, as an instrument of the State, is generally excluded from federal income taxes under Section 115(a) of the Internal Revenue Code. The University also has a determination letter from the Internal Revenue Service stating it is exempt under Section 501(a) of the Internal Revenue Code as an organization described in Section 501(c)(3). Income generated from activities unrelated to the University's exempt purpose is subject to tax under Internal Revenue Code Section 511(a) (2) (B). There was no tax liability related to income generated from activities unrelated to the University's exempt purpose as of June 30, 2022 and 2021.

**BASIS OF PRESENTATION:**

The financial statements of the University have been prepared in accordance with the principles contained in GASB Statement No. 34 *Basic Financial Statements — and Management’s Discussion and Analysis — for State and Local Governments* as amended by GASB Statement No. 35 *Basic Financial Statements — and Management’s Discussion and Analysis — for Public Colleges and Universities*.

During fiscal year 2022, the University adopted GASB Statement 87 *Leases*.

The effect of GASB Statement 87:

GASB 87 establishes a single model for lease accounting based on the foundational principle that leases are financings of the right to use an underlying asset. This Statement increases the usefulness of the University’s financial statements by requiring recognition of certain lease assets and liabilities for leases that previously were classified as operating leases and recognized as current inflows or outflows of resources based on the payment provisions of the contract. Under this Statement, a lessee is required to recognize a lease liability for the present value of payments expected to be made and an intangible right to use lease asset, and a lessor is required to recognize a lease receivable and a deferred inflow of resources.

In implementing this GASB, the University recognized right-to-use assets valued at \$76,512,000 and related liabilities, net of prepaid lease amounts, valued at \$62,358,000 on July 1, 2020 for leases it had entered into as the lessee. The University also recognized receivables and deferred inflows for leases of \$6,859,000 where the University is the lessor on July 1, 2020. Fiscal year 2021 statements have been restated to reflect the impact of implementing this GASB. The University’s business-type activities net position was not impacted by the adoption of this standard.



## **BASIS OF ACCOUNTING:**

The University is considered a special-purpose government engaged only in business-type activities for financial reporting purposes. Accordingly, the University's financial statements have been prepared using the economic resources measurement focus and the accrual basis of accounting. Under the accrual basis of accounting, revenues are recognized when earned, and expenses are recorded when an obligation is incurred. Eliminations have been made to prevent the double counting of internal activities. The University reports fiduciary activities as defined in GASB Statement No. 84, Fiduciary Activities, in the Statement of Fiduciary Net Position and the Statement of Changes in Fiduciary Net Position prepared using the economic resources measurement focus and the accrual basis of accounting.

The University applies all applicable GASB pronouncements.

## **SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:**

**Cash and Cash Equivalents.** Cash and cash equivalents include cash, revolving and change funds, cash in transit, credit card deposits in transit, and certain investments with original maturities of three months or less. It is the University's practice to invest operating cash balances in investments of varying maturity dates. Investments exclusive of endowment funds that are included in cash equivalents represent short-term, highly liquid investments that are both readily convertible to known amounts of cash and so near their maturity date that they present insignificant risk of changes in value due to changes in interest rates.

**Investments.** Investments, exclusive of institutional physical properties, are generally reported at fair value. Fair value is generally based on quoted market prices as of June 30, except for certain investments, primarily private equity partnerships, hedge funds, and similar alternative investments for which quoted market prices are not available. The estimated fair value of these investments is based on the valuations provided by external investment managers within the past fiscal year through June 30. Because alternative investments are not readily marketable, their estimated value may differ from the value that would have been used had a ready market value for such investments existed. Investments, exclusive of bond proceeds and endowment funds, may be classified current or noncurrent, depending on the individual investment's maturity date at June 30. Bond proceeds restricted for capital projects and endowment funds are included in noncurrent investments. Additional investment details are in Note 2.

**Accounts Receivable.** Accounts receivable primarily represent grant, contract, and student payments due to the University and are shown net of an allowance for doubtful accounts.

**Pledges Receivable.** Pledges receivable are accrued as of the end of the fiscal year, provided the pledge is verifiable, measurable, and probable of collection. Pledges receivable do not include gifts made in anticipation of estates, telephone solicitations, or promises of endowment funds. An allowance for uncollectible pledges is calculated based on the University's experience.

**Notes Receivable.** Notes receivable primarily consist of student loans due to the University and are shown net of allowance for doubtful accounts.

**Other Assets.** Other assets, including other noncurrent assets, include the following types of assets:

**Inventories.** Inventories principally consist of consumable supplies and items held for resale or recharge within the University, and are valued using a variety of methods, including first in first out (FIFO), weighted average and moving average, depending upon the type of inventory. Agricultural commodities are reported using the consumption method, measured by physical count and are stated at market value.

**Prepaid Expenses.** Prepaid expenses include amounts paid for services attributable to future fiscal years. These services include insurance, services of consultants, subscriptions, and certain subcontracts.

**Net Pension Asset.** The University provides a supplemental Retirement Plan for its Police Officers and Firefighters, administered by the Teachers Insurance and Annuity Association (TIAA). The University's net pension asset, associated deferred outflows and deferred inflows of resources, and pension expense are reported in conformance with GASB 68. Additional information may be found in Note 9 to the financial statements.

**Interest in Charitable Trusts and Contracts.** The University and PRF act as trustees for certain endowments and trust funds, for which they or others have beneficiary interests. In addition, the University and PRF have beneficiary interests in insurance contracts and gift annuity programs.

Various revocable and irrevocable trusts established for the benefit of the University, PRF, and affiliates exist where PRF acts as trustee, commonly referred to as the PRF Trust Funds. The Internal Revenue Service has determined that the PRF Trust Funds are exempt from federal income tax as defined in Sections 642 and 664 of the Internal Revenue Code.

The University records its interest in PRF Trust Funds' charitable remainder trusts at fair value as deferred inflows of resources. Change in fair value from one fiscal year to the next is reflective of changes in the market value of the underlying investments, new trusts being added, and the maturation and liquidation of existing trusts.

The University receives certain charitable contributions from donors which, in accordance with the donors' wishes, are used for annual premium payments toward insurance contracts for which the University is a beneficiary.

**Capital Assets.** Capital assets are stated at cost at the date of acquisition or at the acquisition value as of the date of the gift for capital assets donated to the University. Items are capitalized when their value exceeds the threshold shown in the following table and its estimated useful life is greater than one year.

Renovations to buildings and other improvements that significantly increase the value or extend the useful life of the structure are capitalized. Routine repairs and maintenance are charged to operating expense. Major outlays for capital assets and improvements are capitalized as construction in progress throughout the building project.

Right-to-use assets are capitalized if the lease agreements meet the standards outlined in GASB 87, Leases. The right-to-use assets are amortized using the straight-line method over the shorter of the lease term or the estimated useful life. Such amortization is included as depreciation expense in the accompanying financial statements.

The University does not capitalize works of library collections and art or historical treasures that are held for exhibition, education, research, and public service. These collections are neither disposed of for financial gain nor encumbered in any means.

Depreciation on capital assets is computed on a straight-line basis over the estimated useful life, as shown in the following table. Capital assets are removed from the records at the time of disposal.

<b>Property Class</b>	<b>Threshold</b>	<b>Useful Life</b>
Land	\$100,000	Not depreciated
Land Improvements	\$100,000	5-25 years
Infrastructure	\$100,000	5-25 years
Buildings and Related Components	\$100,000	10–50 years
Moveable Equipment (including fabricated equipment)	\$5,000	5-10 years
Intangible Assets (software)	\$500,000	7 years

**Accounts Payable and Accrued Expenses.** Accounts Payable and Accrued Expenses represent vendor and other payables along with accrued bi-weekly salaries due and payable within the current operating cycle.

**Unearned Revenue.** Unearned revenue consists of amounts received in advance of an event, such as student tuition, amounts received from grant sponsors not yet earned, and advance ticket sales related to future fiscal years.

**Accrued Compensated Absences.** Liabilities for compensated absences are recorded for vacation leave based on actual amounts earned as of the end of the fiscal year. Exempt employees may accrue vacation benefits up to a maximum of 44 days. Clerical and service staff may accrue vacation up to 320 hours. For all classes of employees, accrued vacation is payable upon termination. Upon meeting the definition of an official University retiree, benefits-eligible clerical and service staff receive cash payments for a portion of their accrued sick leave. An estimate of sick leave liability is recorded for the clerical and service staff based on historical payouts. The liability for compensated absences is expected to be funded by various sources of revenue that are available in future years when the liability is paid.

**Other Post Employment Benefits (OPEB).** The Purdue Pre-65 Retiree Health Plan is used to provide postemployment benefits other than pensions for official Purdue retirees, and the liability for future benefit obligations, along with associated deferred outflows and inflows of resources and OPEB expense, as actuarially calculated are presented in conformance with GASB 75 on the financial statements.

**Bonds, Leases, and Notes Payable.** The University has issued various types of debt, with maturity dates both current and non-current. Additional discussion around the University’s debt may be found in Note 6 to the financial statements.

**Net Pension Liability and Related Items.** The University participates in the Public Employees’ Retirement Fund (PERF) Hybrid Plan, an employer cost sharing plan managed by the Indiana Public Retirement System (INPRS). The University’s net pension liability, associated deferred outflows and

deferred inflows of resources, and pension expense are reported in conformance with GASB 68, using the information reported by INPRS related to our allocated share of these items.

**Advances from Federal Government.** Advances from Federal Government relate to the Perkins Federal Student Loan program, which is being phased out.

**Other Noncurrent Liabilities.** Other Noncurrent Liabilities relate to endowments held for one of our component units, and asset retirement obligations resulting from implementation of GASB 83.

**Net Position.** University resources are classified for accounting and financial reporting purposes into four net position categories:

**Net Invested in Capital Assets.** Represents resources resulting from acquisition and construction of capital assets, right-to-use assets, net of accumulated depreciation, and net of related lease liabilities and debt. To the extent debt has been incurred but not yet expended for capital assets, such amounts are not included as a component of invested in capital assets, net of related debt.

**Restricted–Nonexpendable.** This is the portion of net position subject to externally imposed stipulations that the funds be maintained inviolate and in perpetuity. Such assets include the corpus of the University’s permanent and term endowments and are categorized as instruction and research, student aid, and other.

**Restricted–Expendable.** Represents net position that may be spent provided certain third-party restrictions are met. The following categories of restricted–expendable net position are presented: instruction, research, and public service; student aid; construction; and other. A significant portion of the “Other” category is related to undistributed gains of donor-restricted balances on endowments or quasi-endowments.

**Unrestricted.** Unrestricted net position is the balance not subject to externally imposed stipulations pertaining to their use. Management may designate that these funds will be spent for certain projects or programs or to fulfill certain long-term goals. Management has designated substantially all unrestricted net position for academic and capital purposes.

**Deferred Outflows and Inflows of Resources.** In addition to Assets, Liabilities, and Net Position, shown in a separate section of the Statement of Net Position are Deferred Outflows and Inflows of Resources, which represent a consumption or an acquisition of resources not requiring any further exchange of goods and services, but which are applicable to future periods. Expense or Revenue related to these deferred items will be appropriately recognized in future reporting periods.

**Intra and Inter University Transactions.** Intra and Inter University transactions are eliminated from the financial statements to avoid double counting of certain activities. Examples of eliminated Intra University transactions include sales and services between departments, and Inter University transactions include leases between blended component units.

**Classification of Revenues and Expenses.** The University has classified revenues and expenses as operating or non-operating based upon the following criteria:

**Operating Revenues.** Revenues derived from activities associated with providing goods and services for instruction, research, public service, health services, or related support to entities separate from the University and that result from exchange transactions. Exchange activities are transactions where the amount received approximates the fair market value of the goods or services given up. Examples

include student tuition and fees, grants and contracts, auxiliary operations (such as intercollegiate athletics and housing and food services), and sales and service operations.

**Operating Expenses.** Expenses paid to acquire or produce goods and services provided in return for operating revenues and to carry out the mission of the University. Examples include compensation and benefits, travel, and supplies. Graduate, staff, staff dependent, and staff spouse fee remissions are included with compensation and benefits. Expenses are reported using natural classifications in the Statement of Revenues, Expenses, and Changes in Net Position. Functional classification reporting appears in Note 8. Indirect expenses, such as depreciation, are not allocated across functional categories.

**Nonoperating Revenues and Expenses.** Revenues and related expenses that do not meet the definition of operating revenues. These revenues and expenses are primarily derived from activities that are classified as non-exchange transactions, and from activities defined as such by the GASB cash flow standards. Examples include state appropriations, private gifts, investment income, and certain federal financial aid. Non-operating expenses primarily include interest on short-term and long-term borrowing.

**Application of Restricted and Unrestricted Resources.** When both restricted and unrestricted resources are available for a particular expenditure, University departments may select the most appropriate source based on individual facts and circumstances. The University, as a matter of policy, does not require monies to be spent in a particular order, only that the expenditure be allowable, allocable, and reasonable to the source selected. Restricted monies are categorized as restricted until the external stipulations have been satisfied.

**Tuition and Fees.** Tuition and fees assessed to students are reported gross with the related scholarship discount and allowance presented below in the Statement of Revenues, Expenses, and Changes in Net Position. Scholarship allowances represent the value of scholarships, grants, and various other types of aid provided by the University. Student loans are not included in this calculation. Student aid applied to housing is shown as an allowance, presented below auxiliary revenues. Aid paid directly to students is shown as scholarships, fellowships, and student awards expenses. Graduate and other employment-related remissions are included with compensation and benefits expenses.

**Grants and Contracts.** The University has been awarded grants and contracts for which the monies have not been received or expended. These awards have not been reflected in the financial statements but represent commitments of sponsors — both government and other — to provide funds for specific research and training projects.

The University makes commitments to share in the cost of various sponsored projects. Monies to satisfy these commitments are designated when grants and contracts are awarded. As sponsor dollars are spent, the University matches according to the terms of the agreement.

**Gifts.** The University receives pledges of financial support from many different sources. Gift income is recognized when received or pledged. In-kind gifts of tangible or intangible property are recognized at acquisition value on the date of gift and are capitalized, if appropriate, subject to the University's policies on capitalization. Revenue from gifts-in-kind of approximately \$966,000 and \$4,516,000 was recognized during the years ending June 30, 2022 and 2021, respectively.

**Fiduciary Activity.** The University records amounts held in a fiduciary capacity for others. These amounts are not used to operate the University’s programs. A single-employer defined benefit plan pension program for police officers and firefighters is reported as a fiduciary activity of the University.

**Reclassifications.** Certain reclassifications have been made to prior year statements and certain notes for comparative purposes and do not constitute a restatement of prior periods. A blended component unit reclassified items related to scholarships from nonoperating to operating, and made reclassifications between categories of operating expenses.

**Use of Estimates.** Management uses estimates and assumptions in the preparation of the financial statements in conformity with generally accepted accounting principles. These estimates and assumptions may affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the financial statements, and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

**COVID-19 Impact and Current Environment.** Early in 2020 the Governor of Indiana declared a public health emergency related to the COVID 19 pandemic which remained in effect until March 2022. University responses throughout this time period have mitigated potential negative financial impacts. There could still potentially be a financial consequence to the University, if the pandemic were to become virulent again, and the future extent and severity of the impact on the University and its students cannot be definitively predicted. However, we believe that the University is uniquely positioned to provide its educational offerings in a safe, effective manner.

The Coronavirus Aid, Relief, and Economic Security Act or, CARES Act, was passed by Congress on March 27<sup>th</sup> 2020. This bill allocated approximately \$14 billion to the Higher Education Emergency Relief Fund, or HEERF I. On December 27, 2020, the Coronavirus Response and Relief Supplemental Appropriations Act, 2021 (CRRSAA) was signed into law with additional funds being allocated to universities and colleges under the Higher Education Emergency Relief Fund II (HEERF II). Then, on March 11, 2021, The Higher Education Emergency Relief Fund III (HEERF III), authorized by the American Rescue Plan, Public Law 117-2, was signed into law. Details of Purdue’s portion of the HEERF grants follow.

**Details over life of HEERF grants through June 30, 2022:**

	<b>HEERF I</b>	<b>HEERF II</b>	<b>HEERF III</b>	<b>Total</b>
<b>Grants Awarded</b>				
Student	\$ 17,002,000	\$ 31,050,000	\$ 73,592,000	\$ 121,644,000
Institutional	17,001,000	38,970,000	50,225,000	106,196,000
<b>Total</b>	<u>\$ 34,003,000</u>	<u>\$ 70,020,000</u>	<u>\$ 123,817,000</u>	<u>\$ 227,840,000</u>
<b>Grants Received and Expended</b>	\$ 34,003,000	\$ 70,010,000	\$ 121,389,000	\$ 225,402,000
<b>Balance Available</b>	\$ -	\$ 10,000	\$ 2,428,000	\$ 2,438,000

As of June 30, 2022, the University still has \$2,438,000 available HEERF grants, of which \$1,770,000 is required to go directly to students. HEERF grant revenues recognized are reported as nonoperating revenue, and HEERF grant related expenses are reported as operating expenses.

### **Upcoming Accounting Pronouncements**

In March 2020, the Governmental Accounting Standards Board issued GASB Statement No 94, *Public-Private and Public-Public Partnerships and Availability Payments*, which:

- Improves financial reporting by addressing issues related to public-private and public-public partnership arrangements (PPPs)
- Provides guidance for accounting and financial reporting for availability payment arrangements (APAs)

The effect of applying the new guidance on the financial statements has not yet been determined. The provisions of this statement related to financial reporting are effective for the University's financial statements for the year ending June 30, 2023.

In May 2020, the Governmental Accounting Standards board issued GASB Statement No 96, *Subscription-Based Information Technology Arrangements*, which:

- Provides guidance on the accounting and financial reporting for subscription-based information technology arrangements (SBITAs) for government end users.
  - Defines a SBITA
  - Establishes that a SBITA results in a right-to-use subscription asset—an intangible asset—and a corresponding subscription liability
  - Provides capitalization criteria
  - Requires note disclosures regarding SBITAs

To the extent relevant, the standards for SBITAs are based on the standards established in Statement No. 87, *Leases*. The University is in the process of analyzing its portfolio of Information Technology agreements and expects the implementation of this GASB to have a significant effect on the University's financial statements, however the total impact has not yet been determined. The provisions of this statement related to financial reporting are effective for the University's financial statements for the year ending June 30, 2023.

In June 2022, the Governmental Accounting Standards Board issued GASB Statement No. 101, *Compensated Absences* which:

- Unifies the recognition and measurement of accrued compensated absences, resulting in a liability that more appropriately reflects when a government incurs an obligation.
- Results in a more robust estimate of the amount of compensated absences that a government will pay or settle, which will enhance the relevance and reliability of information about the liability for compensated absences.

The University is in the process of reviewing the impact of this GASB to the financial statements, and at this time the impact to the University's financial statements is undetermined. The provisions of this statement related to financial reporting are effective for the University's financial statements for the year ending June 30, 2025.

## Note 2 — Cash and Cash Equivalents and Investments

**Purdue University Cash and Cash Equivalents and Investments.** Authorization for investment activity is stated in Indiana Code IC 21-29-2-1. Additionally, the Bylaws of the Trustees, revised and amended on August 3, 2018, authorize the Treasurer of the Trustees of Purdue University to implement investment activity. Except for some investments that are separately held in accordance with donor restrictions or bond covenants, the University investments are managed under guidance from two separate policies, the Purdue Investment Pool – Cash (PIPC) policy, and the Purdue Endowment Investment Policy (PIP), both of which are endorsed by the Trustees.

At June 30, the University had the following deposits and investments (dollars in thousands):

<b>Investment Type</b>	<b>June 30, 2022</b>	<b>June 30, 2021</b>
<b>SEPARATELY HELD INVESTMENTS:</b>		
Land Grant Cash Held by State Treasurer	\$ 340	\$ 340
US Equity	76,480	73,832
Public Real Estate	1,854	1,755
US Agencies	484	-
Asset-Backed Securities	3,662	1,698
Corporate Bonds	7,429	796
Mortgage-Backed Securities	428	-
US Treasuries and Securities	8,636	-
Venture Capital/Private Equity	132	98
Short Term Investments	50,130	60,440
<b>BOND PROCEEDS INVESTED:</b>		
Short Term Investments	613	22,440
<b>PIPC:</b>		
Short Term Investments	256,132	296,394
Fixed Income:		
Asset-Backed Securities	158,284	104,420
Corporate Bonds	602,120	626,316
Mortgage-Backed Securities	323,368	294,656
US Agencies	32,286	60,629
US Treasuries and Securities	521,436	530,321
<b>PIP:</b>		
Short Term Investments	71,544	81,338
US Equity	597,310	660,943
International Equity	309,443	363,440
Fixed Income	137,303	106,399
Emerging Markets	101,832	122,683
Marketable Alternatives	223,416	203,645
Public Real Estate	161,344	148,764
Private Real Estate	79,576	74,712
Public Natural Resources	104,996	85,197
Private Natural Resources	77,955	67,532
Venture Capital/Private Equity	763,742	701,211
<b>Total</b>	<b>\$ 4,672,275</b>	<b>\$ 4,689,999</b>

At June 30, the fiduciary activities had the following investments (dollars in thousands):

<b>Investment Type</b>	<b>June 30, 2022</b>		<b>June 30, 2021</b>	
<b>FIDUCIARY INVESTMENTS:</b>				
TIAA Traditional	\$	14,589	\$	15,391
CREF Stock Account		14,921		10,477
CREF Growth Account		21,791		15,250
<b>Total</b>	<b>\$</b>	<b>51,301</b>	<b>\$</b>	<b>41,118</b>

The University's investment values included accumulated unrealized gains of approximately \$339,307,000 and \$696,626,000 as of June 30, 2022 and 2021, respectively. During the years ended June 30, 2022 and 2021, the investment (loss) income included an unrealized loss of approximately \$357,319,000 and an unrealized gain of approximately \$511,821,000, respectively.

As of June 30, 2022 and 2021, the University had approximately \$639,791,000 and \$590,520,000 of PIPC assets invested in, and shown as part of the PIP investment. In addition, the bank balance of the University's deposits (demand deposit accounts) as of June 30, 2022 and 2021, was approximately \$87,338,000 and \$96,079,000, respectively. Federal depository insurance covered \$250,000 of demand deposits and the remaining balance was insured by the state of Indiana's Public Deposit Insurance Fund, which covers all public funds held in approved depositories.

Cash and Cash Equivalents at Purdue Global consist of funds held in checking, savings, and money market accounts. Balances, excluding money market funds, at June 30, 2022 and 2021 were approximately \$300,000 and \$500,000, respectively. Federal depository insurance covered \$500,000 and any remaining balance is uninsured and uncollateralized. Purdue Global evaluates each financial institution with which it deposits funds and assesses the level of risk of each institution. Only those institutions with acceptable estimated risk levels are used as depositories.

Cash and Cash Equivalents available at Purdue Applied Research Institute in the amount of \$3,420,000 as of June 30, 2022 were covered up to federally insured limits and any remaining balance is uninsured and uncollateralized. Fiscal year 2022 was the initial year of reportable activity for Purdue Applied Research Institute.

#### **Purdue University Investment Policies.**

Invested bond proceeds follow investment practices in compliance with arbitrage regulations and generally have maturities of three years or less. These investments are readily available to match expected construction expenditures.

The Purdue Board of Trustees adopted the Purdue Investment Pool – Cash (PIPC) investment policy on May 15, 2015. The primary investment objectives of PIPC are 1) the preservation of capital, 2) the maximization of returns within acceptable levels of risk, and 3) management of liquidity requirements. Authorized investments include obligations of the United States (US) government, its agencies, and its instrumentalities; asset-backed and mortgage-backed securities (rated at least AAA or equivalent); corporate notes, corporate bonds, 144A bonds and Yankee bonds (rated investment grade) with demonstrated liquidity and marketability; pooled funds including mutual funds and common trust funds; high-yield bonds, include corporate bonds and bank loans (minimum credit quality of Ba3/BB-);

investments managed under the University's endowment investment policy and the PIPC Loan Program supporting projects that are consistent with the mission to support the University and result in a public or charitable benefit or use for the University or its students.

Investments in PIPC shall be diversified, resulting in a portfolio weighted average duration of between two and five years, with an overall credit rating of “AA” as rated by a nationally recognized rating agency such as Moody’s or Standard and Poor’s, assuming the credit worthiness of the United States of America is AAA. If the United States of America is downgraded the portfolio’s overall credit rating may fall in tandem and still be considered in compliance with this policy. Bonds rated BBB or lower will not exceed 20% of the portfolio. Funds not required to meet cash needs will be invested over a longer-term horizon.

The Purdue Endowment Investment Policy (PIP) outlining the parameters for endowment investments was updated on November 17, 2021. Authorized investments include equity, fixed income and alternative investments, including comingled investments. The overall policy objective is to generate real returns greater than its spending rate over the long term. The policy sets forth a diversified approach by and within the asset classes with the balanced goal of maximizing return and preserving purchasing power. Moreover, a single active manager or affiliated groups of active managers will not represent more than 10% of the total endowment's market value. A single passive manager or affiliated groups of passive managers will not represent more than 25% of the total endowment’s market value. As a partial hedge against prolonged economic contraction, the University has adopted a target allocation of 7.5% for fixed income.

Portfolios will be invested in securities that result in a weighted average credit quality rating of at least AA or better with no single fixed income manager having more than 10% of its portfolio in obligations rated less than BBB or its equivalent by Moody's or Standard & Poor's. Any commercial paper in the portfolio must be rated A-1/P-1 by each rating service rating said credit. Any Bankers acceptances and certificates of deposits in the portfolio must be issued by banks having a Keefe, Bruyette & Woods rating of A, A/B, or B.



## Interest Rate and Credit Rate Risks.

Interest rate risk is the risk that changes in interest rates over time will adversely affect the fair value of an investment.

In accordance with the PIPC, the University manages its exposure to changes in fair values by limiting the weighted average maturity of its investment portfolio to between 2 and 5 years.

The PIP, as a long-term pool of capital, has a fixed income policy target of 7.5% but does not limit the maturity of the individual holdings as a means to manage interest rate risk.

The University had the following fixed-income investments and maturities (dollars in thousands):

June 30, 2022	Maturity				Totals
	0–1 year	1–5 years	6–10 years	>10 years	
<b>Investment Type</b>					
<b>Separately Held:</b>					
US Agencies	\$ -	\$ 484	\$ -	\$ -	\$ 484
Asset-Backed Securities	50	2,134	1,311	167	3,662
Corporate Bonds	360	2,644	2,797	1,628	7,429
Mortgage-Backed Securities	-	-	-	428	428
US Treasuries and Securities	827	6,862	501	446	8,636
<b>PIPC:</b>					
Asset-Backed Securities	16,358	100,962	3,879	37,085	158,284
Corporate Bonds	70,101	357,789	112,001	62,229	602,120
Mortgage-Backed Securities	17,674	20,577	6,566	278,551	323,368
US Agencies	2,778	7,472	11,642	10,394	32,286
US Treasuries and Securities	19,454	401,677	89,592	10,713	521,436
<b>PIP:</b>					
Fixed Income and other	4,971	82,300	15,287	34,745	137,303
<b>Total</b>	\$ 132,573	\$ 982,901	\$ 243,576	\$ 436,386	\$ 1,795,436

June 30, 2021	Maturity				Totals
	0–1 year	1–5 years	6–10 years	>10 years	
<b>Investment Type</b>					
<b>Separately Held:</b>					
Asset-Backed Securities	\$ 20	\$ 443	\$ 1,219	\$ 16	\$ 1,698
Corporate Bonds	-	210	586	-	796
<b>PIPC:</b>					
Asset-Backed Securities	12,749	57,246	2,402	32,023	104,420
Corporate Bonds	105,668	353,386	95,773	71,489	626,316
Mortgage-Backed Securities	13,463	34,417	25,770	221,006	294,656
US Agencies	519	14,542	33,102	12,466	60,629
US Treasuries and Securities	184,224	267,425	70,194	8,478	530,321
<b>PIP:</b>					
Fixed Income and other	24,328	53,531	15,365	26,980	120,204
<b>Total</b>	\$ 340,971	\$ 781,200	\$ 244,411	\$ 372,458	\$ 1,739,040

The distribution of investments by credit ratings is summarized below (dollars in thousands):

	<b>June 30, 2022</b>	<b>% of Total</b>	<b>June 30, 2021</b>	<b>% of Total</b>
<b>Separately Held:</b>				
A	\$ 2,807	13.60%	\$ 688	27.59%
AA	1,924	9.32%	680	27.27%
AAA	9,271	44.92%	138	5.53%
BA	836	4.05%	-	0.00%
BAA	2,858	13.85%	129	5.17%
Unrated	2,943	14.26%	859	34.44%
<b>Total Separately Held</b>	<b>20,639</b>	<b>100.00%</b>	<b>2,494</b>	<b>100.00%</b>
<b>PIPC:</b>				
A	267,591	16.34%	299,155	18.51%
AA	64,438	3.94%	63,734	3.94%
AAA	928,349	56.69%	886,852	54.86%
BA	34,967	2.14%	38,889	2.41%
BAA	189,491	11.57%	198,732	12.30%
Unrated <sup>1</sup>	152,658	9.32%	128,980	7.98%
<b>Total PIPC:</b>	<b>1,637,494</b>	<b>100.00%</b>	<b>1,616,342</b>	<b>100.00%</b>
<b>PIP:</b>				
A	19,979	14.55%	17,765	14.78%
AA	4,989	3.63%	4,255	3.54%
AAA	82,403	60.02%	69,343	57.69%
BA	3,837	2.80%	3,826	3.18%
BAA	15,837	11.53%	13,609	11.32%
Unrated <sup>1</sup>	10,258	7.47%	11,406	9.49%
<b>Total PIP</b>	<b>137,303</b>	<b>100.00%</b>	<b>120,204</b>	<b>100.00%</b>
<b>Total</b>	<b>\$ 1,795,436</b>		<b>\$ 1,739,040</b>	

<sup>1</sup>Unrated includes investments with Not Rated (NR) or Withdrawn (WR) ratings.

**Investment Custodial Credit Risk.** Custodial credit risk for investments is the risk that in the event of a failure of the counterparty, the University will not be able to recover the value of the investments that are in the possession of an outside party. Therefore, exposure arises if the securities are uninsured, not registered in the University's name, and are held by either the counterparty to the investment purchase or the counterparty's trust department or agent but not in the University's name. Open-ended mutual funds and certain other investments are not subject to custodial risk because ownership of the investment is not evidenced by a security.

All Separately Held and PIPC investments were maintained either in Purdue University, Purdue University Global, or Purdue Applied Research Institute accounts at custodial banks with the exception of \$340,000 at both June 30, 2022 and 2021 which was held in the State's name. All PIP investments are held at PRF including private placements and investments in limited partnerships which totaled approximately \$1,144,689,000 and \$1,047,100,000 respectively at June 30, 2022 and 2021.

**Foreign Currency Risk.** Endowment equity managers may invest in common stocks, preferred stocks or fixed-income instruments convertible into common stocks, and American Depository Receipts of foreign corporations. The University’s endowment fixed-income managers may invest in foreign fixed-income securities equivalent in quality to permitted domestic securities, but not to exceed 20% of the assets entrusted to the manager. All currency exposures are to be hedged into the U.S. dollar unless otherwise approved by the University. The University's exposure to foreign currency risk at June 30 was comprised of investments denominated in the following foreign currencies (dollars in thousands).

<b>Currency</b>	<b>June 30, 2022</b>		<b>June 30, 2021</b>	
Australian Dollar	\$	4	\$	6
Canadian Dollar		1,818		1,740
Euro		2,204		2,888
<b>Total</b>	<b>\$</b>	<b>4,026</b>	<b>\$</b>	<b>4,634</b>

**Concentration of Credit Risk.** Concentration of credit risk is the risk of loss attributed to the magnitude of an entity’s investment in a single issuer. As of June 30, 2022 and 2021, no more than 5% of total investments were with any single issuer, except U.S. Treasury, Agencies, and other pooled investments, consistent with policy limits.

**Donor-Restricted Endowments.** The University’s endowment funds (including true, term, and funds functioning as endowments) are invested in a unitized pool. The unitized endowment pool purchases investments to generate present and future income in support of various programs. The Trustees establish the spending policy for the unitized endowment pool. The approved spending policy distributed up to 5% in semiannual distributions within the range of the current market value of the unitized pool and the average of the ending market values for the prior twelve quarters.

As of June 30, 2022 and 2021, accumulated market appreciation of the PIP pool was approximately \$849,022,000 and \$1,048,334,000, respectively. Of this amount, 45.80% and 46.51% represents appreciation attributable to donor-restricted (true and term) endowments during the year ended June 30, 2022 and 2021, respectively. The University’s endowment policies are subject to the provisions of Indiana Code IC 30-2-12, “Uniform Management of Institutional Funds.” Under this section, the Trustees may authorize expenditure — consistent with donors’ intent — of net appreciation in the fair value of the assets of the endowment.

**Interest in Charitable Trusts.** As of June 30, 2022 and 2021, the PRF PIP investment pool includes the following PRF Trusts assets, net of liabilities (dollars in thousands).

	<b>Assets at Fair Value</b>			
	<b>June 30, 2022</b>		<b>June 30, 2021</b>	
University	\$	30,249	\$	34,137
PRF		34,917		41,773
Other Affiliates		267		282
<b>Total</b>	<b>\$</b>	<b>65,433</b>	<b>\$</b>	<b>76,192</b>

As of June 30, 2022 and 2021, the University’s beneficial interest in the Trust Assets of \$30,249,000 and \$34,137,000, respectively, are reported as Deferred Inflows of Resources.

**PRF Investments.** PRF manages the investment of the PIP on behalf of the University. The fair value of all PRF investments, inclusive of the \$2,628,461,000 and \$2,615,864,000 of the University’s PIP, at June 30, 2022 and 2021, respectively, is as follows (dollars in thousands):

<b>Investment Type</b>	<b>June 30, 2022</b>		<b>June 30, 2021</b>	
Short-Term Investments	\$	334	\$	1,332
U.S. Equity		33,204		31,030
Fixed Income		11,027		15,619
Venture Capital		986		680
Private Natural Resources		9,500		9,500
Pooled Funds:				
Short-Term Investments		284,102		239,482
U.S. Equity		871,086		986,156
International Equity		423,700		507,837
Fixed Income		196,079		157,428
Emerging Markets		139,432		171,426
Public Real Estate		220,917		207,869
Private Real Estate		94,428		87,889
Public Natural Resources		143,763		119,046
Private Natural Resources		110,659		94,363
Hedge Funds		302,745		284,554
Venture Capital/Private Equity		952,122		976,287
<b>Total</b>	<b>\$</b>	<b>3,794,084</b>	<b>\$</b>	<b>3,890,498</b>

### **Fair Value Disclosures**

Fair value is defined as the price that would be received for an asset or paid to transfer a liability (an exit price) in the University’s principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. GAAP establishes a fair value hierarchy which requires an entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value.

The GASB 72 accounting standard for disclosure describes three levels of inputs that may be used to measure fair value, as indicated below:

**Level 1.** Quoted prices (unadjusted) for identical assets or liabilities in active markets that the entity has the ability to access as of the measurement date.

**Level 2.** Significant other observable inputs other than Level 1 prices such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data.

**Level 3.** Significant unobservable inputs that reflect a reporting entity’s own assumptions.

**Net Asset Value (NAV).** Certain investments are valued using the net asset value (NAV), or its equivalent, provided by the fund as a practical expedient. Those investments include pooled equities, marketable alternative assets, and partnerships and are excluded from the valuation hierarchy. In many cases, a valuation technique used to measure fair value includes inputs from multiple levels of the fair value hierarchy. The lowest level of significant input determines the placement of the entire fair value measurement in the hierarchy. The fair values of investments that are readily marketable, such as equities, government securities and money market funds, are determined by obtaining quoted prices on nationally recognized securities exchanges (Level 1 inputs) or by quoted market prices of similar securities with similar due dates or matrix pricing for mutual funds and bonds (Level 2 inputs).

Assets and Liabilities measured at fair value on a recurring basis are summarized below (dollars in thousands):

Investment Type	Fair Value Measurements at June 30, 2022			NAV	Total
	Level 1	Level 2	Level 3		
<b>SEPARATELY HELD INVESTMENTS:</b>					
Land Grant Cash Held by State Treasurer	\$ -	\$ 340	\$ -	\$ -	\$ 340
US Equity	71,841	-	-	4,639	76,480
Public Real Estate	-	-	1,854	-	1,854
US Agencies	-	484	-	-	484
Asset-Backed Securities	-	3,662	-	-	3,662
Corporate Bonds	-	7,429	-	-	7,429
Mortgage-Backed Securities	-	428	-	-	428
US Treasuries and Securities	8,636	-	-	-	8,636
Venture Capital/Private Equity	-	-	-	132	132
Short Term Investments	50,130	-	-	-	50,130
<b>BOND PROCEEDS INVESTED:</b>					
Short Term Investments	613	-	-	-	613
<b>PIPC:</b>					
Short Term Investments	256,132	-	-	-	256,132
<b>Fixed Income:</b>					
Asset-Backed Securities	-	158,284	-	-	158,284
Corporate Bonds	-	602,120	-	-	602,120
Mortgage-Backed Securities	-	323,368	-	-	323,368
US Agencies	-	32,286	-	-	32,286
US Treasuries and Securities	521,436	-	-	-	521,436
<b>PIP:</b>					
Short Term Investments	71,435	109	-	-	71,544
US Equity	-	-	-	597,310	597,310
International Equity	309,443	-	-	-	309,443
Fixed Income	48,269	89,034	-	-	137,303
Emerging Markets	101,832	-	-	-	101,832
Marketable Alternatives	2,767	-	-	220,649	223,416
Public Real Estate	161,344	-	-	-	161,344
Private Real Estate	-	-	-	79,576	79,576
Public Natural Resources	104,996	-	-	-	104,996
Private Natural Resources	-	-	-	77,955	77,955
Venture Capital/Private Equity	-	2,908	-	760,834	763,742
<b>Total</b>	<b>\$ 1,708,874</b>	<b>\$ 1,220,452</b>	<b>\$ 1,854</b>	<b>\$ 1,741,095</b>	<b>\$ 4,672,275</b>

Fair Value Measurements at June 30, 2021					
Investment Type	Level 1	Level 2	Level 3	NAV	Total
<b>SEPARATELY HELD INVESTMENTS:</b>					
Land Grant Cash Held by State Treasurer	\$ -	\$ 340	\$ -	\$ -	\$ 340
US Equity	73,832	-	-	-	73,832
Public Real Estate	-	-	1,755	-	1,755
Asset-Backed Securities	-	1,698	-	-	1,698
Corporate Bonds	-	796	-	-	796
Venture Capital/Private Equity	-	-	-	98	98
Short Term Investments	60,440	-	-	-	60,440
<b>BOND PROCEEDS INVESTED:</b>					
Short Term Investments	22,440	-	-	-	22,440
<b>PIPC:</b>					
Short Term Investments	296,394	-	-	-	296,394
Fixed Income:					
Asset-Backed Securities	-	104,420	-	-	104,420
Corporate Bonds	-	626,316	-	-	626,316
Mortgage-Backed Securities	-	294,656	-	-	294,656
US Agencies	-	60,629	-	-	60,629
US Treasuries and Securities	530,321	-	-	-	530,321
<b>PIP:</b>					
Short Term Investments	81,338	-	-	-	81,338
US Equity	-	-	-	660,943	660,943
International Equity	363,440	-	-	-	363,440
Fixed Income	31,981	74,418	-	-	106,399
Emerging Markets	122,683	-	-	-	122,683
Marketable Alternatives	-	-	-	203,645	203,645
Public Real Estate	148,764	-	-	-	148,764
Private Real Estate	-	-	-	74,712	74,712
Public Natural Resources	85,197	-	-	-	85,197
Private Natural Resources	-	-	-	67,532	67,532
Venture Capital/Private Equity	-	4,136	-	697,075	701,211
<b>Total</b>	<b>\$ 1,816,830</b>	<b>\$ 1,167,409</b>	<b>\$ 1,755</b>	<b>\$ 1,704,005</b>	<b>\$ 4,689,999</b>

Investments measured at fair value on a recurring basis for fiduciary activities are summarized below (dollars in thousands):

Fair Value Measurements at June 30, 2022					
Investment Type	Level 1	Level 2	Level 3	NAV	Total
<b>FIDUCIARY INVESTMENTS:</b>					
TIAA Traditional	\$ -	\$ 14,589	\$ -	\$ -	\$ 14,589
CREF Stock Account	-	-	-	14,921	14,921
CREF Growth Account	-	-	-	21,791	21,791
<b>Total</b>	<b>\$ -</b>	<b>\$ 14,589</b>	<b>\$ -</b>	<b>\$ 36,712</b>	<b>\$ 51,301</b>

Fair Value Measurements at June 30, 2021					
Investment Type	Level 1	Level 2	Level 3	NAV	Total
<b>FIDUCIARY INVESTMENTS:</b>					
TIAA Traditional	\$ -	\$ 15,391	\$ -	\$ -	\$ 15,391
CREF Stock Account	-	-	-	10,477	10,477
CREF Growth Account	-	-	-	15,250	15,250
<b>Total</b>	<b>\$ -</b>	<b>\$ 15,391</b>	<b>\$ -</b>	<b>\$ 25,727</b>	<b>\$ 41,118</b>

**Short Term Investments.** Short Term Investments include cash and cash equivalents valued at cost, which approximates fair value. Investments in this category are valued at the quoted market price reported on the active market on which the individual securities are traded on the last day of the business year (Level 1 inputs).

**U.S. Equity.** Equity investments are generally in separately managed accounts principally invested in common stocks. The fair values of common stocks are determined by obtaining quoted prices on nationally recognized securities exchanges (Level 1 inputs). The University also has equity investments in commingled funds that are valued using NAV under the market approach as a practical expedient. There are no significant restrictions on redemption and no unfunded future commitments to these investments.

**Fixed Income.** Investments in U.S. treasury notes are determined by obtaining quoted prices on globally recognized exchanges (Level 1 inputs). Government agency and asset-backed securities are valued without relying exclusively on quoted prices for the specific securities but rather by relying on the securities' relationship to other benchmark quoted securities or on models using market information (Level 2 inputs). The University also has fixed income investments held in commingled funds that are valued using NAV, not as a practical expedient, under the market approach. These investments are able to be redeemed on a short-term basis (Level 2 inputs).

**International Equity.** Non-U.S. equity investments are generally in separately managed accounts principally invested in common stocks. The fair values of common stocks are determined by obtaining quoted prices on globally recognized securities exchanges (Level 1 inputs).

**Emerging Markets.** Equity investments held in common stock of developing countries. The fair values of common stocks are determined by obtaining quoted prices on globally recognized securities exchanges (Level 1 inputs).

**Marketable Alternatives.** Marketable Alternatives include Hedge funds which are investments that employ a variety of strategies including US and global long/short, event and diversified arbitrage. The funds seek to generate positive risk-adjusted returns across a range of market environments. An NAV is used to determine the fair value as a practical expedient. The managers utilize standard valuation procedures and policies to assess the fair value of the underlying investment holdings to derive NAV. For holdings in marketable securities listed on national securities exchanges, the values represent the publicly traded values, and holdings in private securities are generally valued using the market approach, which attempts to apply a fair value standard by referring to meaningful third-party transactions, comparable public market valuations, appraisals and/or the income approach. Redemptions may be made monthly, quarterly, or annually with notice periods ranging from 30 to 90 days. There are no unfunded future commitments to these investments.

**Public Real Estate.** Real estate equity investments are generally in separately managed accounts or a fund principally invested in common stocks. The fair values of common stocks are determined by obtaining quoted prices on nationally recognized securities exchanges (Level 1 inputs).

**Private Real Estate.** The fair values of the investments in real estate partnerships have been estimated using the NAV of the ownership interest in partners' capital, not as a practical expedient. For partnership holdings in marketable securities listed on national securities exchanges, the values represent the publicly traded values, and holdings in private securities are generally valued using the mark-to-market method, which attempts to apply a fair value standard by referring to meaningful third-party transactions, comparable public market valuations, appraisals and/or the income approach. These investments cannot be redeemed with the fund managers until the partnerships terminate, which range from 3 to 10 years. There are no unfunded future commitments to these investments.

**Public Natural Resources.** Natural Resource equity investments are generally in separately managed accounts or a fund principally invested in common stocks. The fair values of the common stocks held in a commingled fund are valued by obtaining quoted prices on nationally recognized securities exchanges (Level 1 inputs).

**Private Natural Resources.** The fair values of the investments in energy-related and mineral and mining partnerships have been estimated using the NAV of the ownership interest in partners' capital, not as a practical expedient, for some of the investments but not for all of the holdings. For partnership holdings in marketable securities listed on national securities exchanges, the values represent the publicly traded values, and holdings in private securities are generally valued using the mark-to-market method, which attempts to apply a fair value standard by referring to meaningful third-party transactions, comparable public market valuations, appraisals and/or the income approach. These investments cannot be redeemed with the fund managers until the partnerships terminate, which range from 5 to 12 years. There are no unfunded future commitments to these investments.

**Venture Capital/Private Equity.** The fair values of the investments in buyout and venture partnership have been estimated using the NAV of ownership interest in partners' capital, not as a practical expedient. For partnership holdings in marketable securities listed on national securities exchanges, the values represent the publicly traded values, and holdings in private securities are generally valued using the mark-to-market method, which attempts to apply a fair value standard by referring to meaningful third-party transactions, comparable public market valuations, appraisals and/or the income approach. These investments cannot be redeemed with the fund managers until the partnerships terminate, which range from 1 to 12 years. There are no unfunded future commitments to these investments. A special situations private equity investment fund is able to be redeemed on a short-term basis with no significant restrictions (Level 2 inputs).

**Fiduciary Investments.** The TIAA Traditional plan is a retirement annuity plan valued using Level 2 inputs. The CREF Growth and CREF Stock accounts were valued using NAV. There are no unfunded future commitments and no redemption restrictions on these investments.

### Note 3 – Accounts, Pledges, and Notes Receivable

Accounts and notes receivable consisted of the following (dollars in thousands):

	June 30, 2022	June 30, 2021, As Restated
Grants and Contracts	\$ 76,500	\$ 81,228
Student and General	43,743	50,495
Other Accrued Revenues	22,412	24,445
Less: Allowance for Doubtful Accounts	(3,545)	(5,105)
<b>Total Accounts Receivable, Net</b>	<b>139,110</b>	<b>151,063</b>
Pledges Receivable	105,861	72,510
Less: Allowance for Doubtful Pledges	(4,717)	(4,208)
Net Pledges Receivables	101,144	68,302
Less: Noncurrent Portion	(62,073)	(36,520)
<b>Pledges Receivable, Current Portion</b>	<b>39,071</b>	<b>31,782</b>
Perkins Loans	6,447	8,823
Institutional Loans	28,818	33,890
Other Notes and Leases Receivable	6,167	6,684
Less: Allowance for Doubtful Loans	(575)	(926)
Net Notes Receivable	40,857	48,471
Less: Noncurrent Portion	(31,020)	(38,379)
<b>Notes Receivable, Current Portion</b>	<b>9,837</b>	<b>10,092</b>
Other Receivables	1,271	1,174
<b>Other Receivables, Current Portion</b>	<b>\$ 1,271</b>	<b>\$ 1,174</b>

Other Notes and Leases Receivable includes University leases of certain assets to various third parties. The assets leased include buildings and land and payments are generally fixed. During the years ended June 30, 2022 and 2021, the University recognized \$1,635,000 and \$1,547,000 of lease revenue and \$53,000 and \$51,000 of interest income related to its lessor agreements, respectively.

Future principal and interest payment requirements related to The University’s lease receivable at June 30, 2022 are as follows (dollars in thousands):

<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
2023	\$ 1,723	\$ 51	\$ 1,774
2024	849	45	894
2025	756	40	796
2026	542	35	577
2027	262	32	294
2028 – 2032	991	116	1,107
2033 – 2037	713	55	768
2038 – 2042	218	15	233
2043 – 2047	106	2	108
<b>Total</b>	<b>\$ 6,160</b>	<b>\$ 391</b>	<b>\$ 6,551</b>



## Note 4-Capital Assets

### Capital Assets (dollars in thousands)

<b>Capital Assets Activity</b>	<b>Balance as restated</b>				<b>Balance</b>
	<b>July 1, 2021</b>	<b>Additions</b>	<b>Retirements</b>	<b>Transfers</b>	<b>June 30, 2022</b>
Capital Assets, Not Being Depreciated:					
Land	\$ 67,168	\$ 20,059	\$ -	\$ -	\$ 87,227
Construction in Progress	181,531	97,008	-	(90,731)	187,808
<b>Total Capital Assets, Not Being Depreciated</b>	<b>248,699</b>	<b>117,067</b>	<b>-</b>	<b>(90,731)</b>	<b>275,035</b>
Capital Assets, Being Depreciated:					
Land Improvements	100,771	2,676	5,265	2,359	100,541
Infrastructure	252,655	11,405	483	6,200	269,777
Buildings	4,177,917	94,047	4,344	82,147	4,349,767
Equipment	709,470	59,662	14,382	25	754,775
Software	84,087	56	-	-	84,143
<b>Total Capital Assets, Being Depreciated</b>	<b>5,324,900</b>	<b>167,846</b>	<b>24,474</b>	<b>90,731</b>	<b>5,559,003</b>
Less Accumulated Depreciation:					
Land Improvements	79,764	2,427	5,243	-	76,948
Infrastructure	106,938	11,120	483	-	117,575
Buildings	2,046,957	137,385	3,973	-	2,180,369
Equipment	459,656	44,804	13,261	-	491,199
Software	73,622	5,383	-	-	79,005
<b>Total Accumulated Depreciation</b>	<b>2,766,937</b>	<b>201,119</b>	<b>22,960</b>	<b>-</b>	<b>2,945,096</b>
<b>Total Capital Assets, Net</b>	<b>\$ 2,806,662</b>	<b>\$ 83,794</b>	<b>\$ 1,514</b>	<b>\$ -</b>	<b>\$ 2,888,942</b>
<b>Right to Use Assets (Lessee) Activity</b>	<b>Balance as restated</b>				<b>Balance</b>
	<b>July 1, 2021</b>	<b>Additions</b>	<b>Retirements</b>	<b>Transfers</b>	<b>June 30, 2022</b>
Buildings	76,047	2,780	4,423	-	74,404
Equipment	4,013	767	217	-	4,563
Land	633	390	390	-	633
<b>Total Right to Use Assets</b>	<b>80,693</b>	<b>3,937</b>	<b>5,030</b>	<b>-</b>	<b>79,600</b>
Less Right to Use Assets Accumulated Amortization:					
Buildings	12,780	13,971	4,423	-	22,328
Equipment	1,100	1,357	217	-	2,240
Land	134	537	390	-	281
<b>Total Accumulated Amortization</b>	<b>14,014</b>	<b>15,865</b>	<b>5,030</b>	<b>-</b>	<b>24,849</b>
<b>Total Right to Use Assets, Net</b>	<b>\$ 66,679</b>	<b>\$ (11,928)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 54,751</b>
<b>Total Capital and Right to Use Assets, Net</b>	<b>\$ 2,873,341</b>	<b>\$ 71,866</b>	<b>\$ 1,514</b>	<b>\$ -</b>	<b>\$ 2,943,693</b>

## Capital Assets (dollars in thousands)

<b>Capital Assets Activity</b>	<b>Balance July 1, 2020</b>	<b>Additions</b>	<b>Retirements</b>	<b>Transfers</b>	<b>Balance June 30, 2021</b>
Capital Assets, Not Being Depreciated:					
Land	\$ 63,133	\$ 3,541	\$ -	\$ 494	\$ 67,168
Construction in Progress	183,119	119,327	-	(120,915)	181,531
<b>Total Capital Assets, Not Being Depreciated</b>	<b>246,252</b>	<b>122,868</b>	<b>-</b>	<b>(120,421)</b>	<b>248,699</b>
Capital Assets, Being Depreciated:					
Land Improvements	99,492	2,102	1,706	883	100,771
Infrastructure	241,636	4,938	213	6,294	252,655
Buildings	3,872,309	193,523	1,070	113,155	4,177,917
Equipment	712,325	43,213	46,157	89	709,470
Software	84,095	-	8	-	84,087
<b>Total Capital Assets, Being Depreciated</b>	<b>5,009,857</b>	<b>243,776</b>	<b>49,154</b>	<b>120,421</b>	<b>5,324,900</b>
Less Accumulated Depreciation:					
Land Improvements	79,171	2,299	1,706	-	79,764
Infrastructure	96,575	10,576	213	-	106,938
Buildings	1,910,747	136,776	566	-	2,046,957
Equipment	458,951	43,755	43,050	-	459,656
Software	68,262	5,368	8	-	73,622
<b>Total Accumulated Depreciation</b>	<b>2,613,706</b>	<b>198,774</b>	<b>45,543</b>	<b>-</b>	<b>2,766,937</b>
<b>Total Capital Assets, Net of Accumulated Depreciation</b>	<b>\$ 2,642,403</b>	<b>\$ 167,870</b>	<b>\$ 3,611</b>	<b>\$ -</b>	<b>\$ 2,806,662</b>
<b>Right to Use Assets (Lessee) Activity</b>	<b>Balance July 1, 2020</b>	<b>Additions</b>	<b>Retirements</b>	<b>Transfers</b>	<b>Balance as restated June 30, 2021</b>
Buildings	72,550	4,521	1,024	-	76,047
Equipment	3,380	718	85	-	4,013
Land	582	51	-	-	633
<b>Total Right to Use Assets</b>	<b>76,512</b>	<b>5,290</b>	<b>1,109</b>	<b>-</b>	<b>80,693</b>
Less Right to Use Assets Accumulated Amortization:					
Buildings	-	13,804	1,024	-	12,780
Equipment	-	1,185	85	-	1,100
Land	-	134	-	-	134
<b>Total Accumulated Amortization</b>	<b>-</b>	<b>15,123</b>	<b>1,109</b>	<b>-</b>	<b>14,014</b>
<b>Total Right to Use Assets, Net</b>	<b>\$ 76,512</b>	<b>\$ (9,833)</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 66,679</b>
<b>Total Capital and Right to Use Assets, Net</b>	<b>\$ 2,718,915</b>	<b>\$ 158,037</b>	<b>\$ 3,611</b>	<b>\$ -</b>	<b>\$ 2,873,341</b>

During fiscal years 2022 and 2021, the University expensed \$33,722,000 and \$35,712,000, respectively, in interest costs related to the ownership of capital assets and leases for right to use assets.

## Note 5 —Liabilities other than Bonds, Leases and Notes Payable

Accounts Payable, Accrued Expenses, and Unearned Revenue consisted of the following:  
(dollars in thousands)

	June 30, 2022	June 30, 2021 As Restated
Construction Payables	\$ 19,824	\$ 19,582
Accrued Insurance Liabilities	22,989	23,336
Interest Payable	16,988	16,682
Accrued Salaries and Wages	11,859	13,796
Vendor and Other Payables	144,429	124,725
<b>Total Accounts Payable and Accrued Expenses</b>	<b>\$ 216,089</b>	<b>\$ 198,121</b>
Tuition and Fees	87,972	83,266
Grant and Other	108,516	102,007
<b>Total Unearned Revenue</b>	<b>\$ 196,488</b>	<b>\$ 185,273</b>

Roll forward schedule of liabilities not detailed above:  
(dollars in thousands)

Liabilities	Balance July 1, 2021	Increases	Decreases	Balance June 30, 2022	Current Portion
Accrued Compensated Absences	\$ 73,936	\$ 29,023	\$ 27,459	\$ 75,500	\$ 33,580
Other Post Employment Benefits	34,760	3,443	9,285	28,918	3,609
Net Pension Liability	49,762	-	28,611	21,151	-
Other Noncurrent Liabilities	50,836	1,465	18,638	33,663	-
Advances from Federal Government	4,896	-	2,994	1,902	-
<b>Total</b>	<b>\$ 214,190</b>	<b>\$ 33,931</b>	<b>\$ 86,987</b>	<b>\$ 161,134</b>	<b>\$ 37,189</b>

Liabilities	Balance July 1, 2020	Increases	Decreases	Balance June 30, 2021	Current Portion
Accrued Compensated Absences	\$ 74,647	\$ 26,797	\$ 27,508	73,936	\$ 28,971
Other Post Employment Benefits	33,357	3,077	1,674	34,760	2,715
Net Pension Liability	55,779	-	6,017	49,762	-
Other Noncurrent Liabilities	43,998	24,826	17,988	50,836	-
Advances from Federal Government	8,518	-	3,622	4,896	-
<b>Total</b>	<b>\$ 216,299</b>	<b>\$ 54,700</b>	<b>\$ 56,809</b>	<b>\$ 214,190</b>	<b>\$ 31,686</b>

## Note 6 — Debt Related to Capital Assets

Debt liability activity is summarized below (dollars in thousands):

Debt Related Liabilities	Balance			Balance	
	July 1, 2021	Increases	Decreases	June 30, 2022	Current Portion
Bonds Payable					
Student Facilities System Revenue Bonds	\$ 271,645	\$ 41,750	\$ 79,030	\$ 234,365	\$ 31,825
Student Fee Bonds	467,000	30,550	63,745	433,805	34,970
Total Bonds Payable	738,645	72,300	142,775	668,170	66,795
Availability Payments Payable	148,827	-	380	148,447	399
Financed Obligations Payable	149,124	7,890	6,518	150,496	9,681
Leases Payable	52,977	3,937	14,740	42,174	8,839
Net Unamortized Premiums and Costs	90,906	8,734	16,342	83,298	12,099
<b>Total Debt Related Liabilities</b>	<b>\$ 1,180,479</b>	<b>\$ 92,861</b>	<b>\$ 180,755</b>	<b>\$ 1,092,585</b>	<b>\$ 97,813</b>

Debt Related Liabilities, As Restated	Balance			Balance	
	July 1, 2020	Increases	Decreases	June 30, 2021	Current Portion
Notes Payable	\$ 4,930	\$ -	\$ 4,930	\$ -	\$ -
Bonds Payable					
Student Facilities System Revenue Bonds	304,065	-	32,420	271,645	78,020
Student Fee Bonds	502,030	-	35,030	467,000	30,160
Total Bonds Payable	806,095	-	67,450	738,645	108,180
Availability Payments Payable	-	149,158	331	148,827	380
Financed Obligations Payable	168,219	32,285	51,380	149,124	4,269
Leases Payable	62,358	5,290	14,671	52,977	13,281
Net Unamortized Premiums and Costs	93,305	10,025	12,424	90,906	12,662
<b>Total Debt Related Liabilities</b>	<b>\$ 1,134,907</b>	<b>\$ 196,758</b>	<b>\$ 151,186</b>	<b>\$ 1,180,479</b>	<b>\$ 138,772</b>



**Bonds Payable.** As of June 30, 2022 and 2021, the balance of bonds payable was approximately \$733,343,000 and \$809,004,000, respectively. Bonds payable consisted of the following issues (dollars in thousands):

<b>Issuance and Description</b>	<b>Issue Date</b>	<b>Original Issuance</b>	<b>Interest Rates</b>	<b>Final Maturity Date</b>	<b>Total Outstanding June 30, 2022</b>	<b>Total Outstanding June 30, 2021</b>	<b>Current Outstanding June 30, 2022</b>
Student Facilities System Revenue Bonds:							
Series 2004A							
Finance construction of Hammond student housing and parking garage facilities	2004	\$ 28,100	0.02%*	2033	\$ 15,655	\$ 15,860	\$ 15,655
Series 2005A							
Finance construction and renovation of West Lafayette housing and food service facilities	2005	24,200	0.01%*	2029	-	5,755	-
Series 2007A							
Refund a portion of Student Facilities System Revenue Bond Series 2003A and 2003B	2007	61,865	5.25%	2029	39,150	43,180	4,300
Series 2007C							
Renovate a West Lafayette student housing facility, and finance construction on a new West Lafayette student housing facility	2007	61,725	0.01%*	2032	-	24,385	-
Series 2011A							
Refund a portion of Student Facilities System Revenue Bond Series 2004A, 2005A, and 2007C	2011	49,440	5.00%	2021	-	20,615	-
Series 2012A							
Finance construction for the West Lafayette student housing and parking facilities, and to refund a portion of Student Facilities System Revenue Bond Series 2003B and a portion of commercial paper	2012	44,770	3.13-5.00%	2032	1,285	19,180	1,285
Series 2015A							
Finance a portion of construction of West Lafayette Honors College and Residence Hall, refund a portion of Series 2007B and of Series 2009A.	2015	98,070	3.00-5.00%	2040	84,890	87,765	3,030
Series 2016A							
Finance construction for the West Lafayette Flex Lab Facility, refund portion of Series 2009A and Series 2009B.	2016	67,470	3.00-5.00%	2036	51,635	54,905	3,430
Series 2022A							
Refund a portion of Student Facilities System Revenue Bond Series 2005A, 2007C, and 2012A	2022	41,750	5.00%	2032	41,750	-	4,125
					234,365	271,645	31,825
Net unamortized premiums and costs					19,141	17,565	2,861
<b>Total Student Facilities System Revenue Bonds</b>					<b>\$ 253,506</b>	<b>\$ 289,210</b>	<b>\$ 34,686</b>

*Debt issuances are comprised of annual maturities, each of which may have a different interest rate. Table above reflects the rates in effect on 6/30/22.*

*\*Variable interest rates are reset weekly and are based upon market conditions. Rates shown are as of June 30, 2022.*

### Student Facilities System Revenue Bonds

Under State statutes, the pledge for the Student Facilities System Revenue Bonds is the net income (as defined) of certain facilities as well as amounts held in the project fund (as defined), including investment income thereon. The Trustee has a secured interest in the pledged revenues, as defined, for payment of principal and interest. Annual disclosures are required under SEC Rule 15c2-12 each year.

While student fees and state appropriations are unavailable to meet debt service on these obligations, all other available funds (as defined) are available for debt service.

Failure to make scheduled payments of principal or interest would constitute a default which allows the

Trustee to pursue legal remedies, as available, including appointment of a receiver for the pledged revenues. The University is obligated to maintain the continued tax status of all Student Facilities System Revenue Bonds, provide for audited financial statements and continue operations of the University, among other routine operating considerations.

All Student Facilities System Revenue Bonds outstanding have been issued through public sales, including the weekly remarketed variable rate Series 2004A, 2005A and 2007C.

As of June 30, 2022 and 2021, the University had \$15,655,000 and \$46,000,000 included in Current Liabilities related to variable rate Student Facility System Revenue demand bonds (Series 2004A, Series 2005A, and Series 2007C). These bonds are backed by certain auxiliary revenues and other available funds, with serial maturities July 1, 2025 through July 1, 2033. The bonds were issued under Indiana Code IC 21-34 and IC 21-35. The proceeds of the bonds were used to provide funds for certain capital improvements, refund certain interim financing, provide for construction period interest for a portion of the bonds, and pay costs incurred to issue the bonds.

The University may direct a change in the type of interest rate borne by the variable rate debt, in whole or in part, at any time from the weekly rate to a rate determined pursuant to one of six additional interest rate modes: a daily rate, a monthly rate, a quarterly rate, a semiannual rate, or a term rate (each an “adjustable rate”), or a fixed rate in accordance with the procedures provided in the indenture. However, if the debt is converted in whole or in part to a fixed rate, the interest rate on the debt so converted may not be subsequently changed to an adjustable rate.

The variable rate bonds are subject to purchase on the demand of the holder, a “put,” at a price equal to principal plus accrued interest on seven days’ notice and delivery to the University’s remarketing agent. The remarketing agent is authorized to use its best efforts to sell these bonds at a price equal to 100 percent of the principal amount by adjusting the interest rate.

The University is provided a 24-hour notice if the remarketing agent is unable to resell any debt that is put to the University. In such a case, the University is required to provide the funds to satisfy the repurchase of the debt at 100% par value, plus interest accrued to the settlement date of the put. The University has chosen to provide self-liquidity in the event of a put from any holder of these variable rate bonds. Therefore, these variable rate bonds are classified as current liabilities.

On June 1, 2021, notice was provided to bondholders by the University’s trustee, the Bank of New York Mellon, of the full redemption on July 1, 2021, of the outstanding maturities of Student Facilities System Revenue Bonds, Series 2011A, in the total amount of \$16,420,000 for the annual maturities for each July 1 of 2022 through 2025.

On June 30, 2022, the University issued Student Facilities System Revenue Bonds, Series 2022A at par value of \$41,750,000 and a premium of \$5,410,000 to refund Student Facilities System Revenue Bonds, Series 2012A, in the amount of \$16,665,000, to set a fixed interest rate for \$30,140,000 of remaining principal in the variable rate Series 2007C and Series 2005A, and to pay for allowable costs of issuance. The refunding resulted in an economic gain (difference between the reacquisition cost and unamortized premium) of \$1,011,000 over the term of the refunding bonds.

<b>Issuance and Description</b>	<b>Issue Date</b>	<b>Original Issuance</b>	<b>Interest Rates</b>	<b>Final Maturity Date</b>	<b>Total Outstanding June 30, 2022</b>	<b>Total Outstanding June 30, 2021</b>	<b>Current Outstanding June 30, 2022</b>
<b>Student Fee Bonds:</b>							
Series U							
Refund a portion of Student Fee Bond Series Q	2005	35,200	5.25%	2022	2,990	5,825	2,990
Series Z-2							
Taxable Build America Bonds to finance a portion of construction of West Lafayette Student Fitness and Wellness Center, Fort Wayne Parking Garage, and West Lafayette Repair & Rehabilitation projects	2010	100,705	3.74-5.33%	2035	73,615	77,690	4,175
Series AA							
Finance a portion of construction of West Lafayette Student Fitness and Wellness Center, Health and Human Sciences Facility, West Lafayette Repair & Rehabilitation projects and Westville Student Services and Activities complex	2012	54,555	3.25-5.00%	2032	2,550	38,560	2,550
Series BB1							
Finance a portion of construction of Westville Student Services and Activities Complex, Repair & Rehabilitation projects on the West Lafayette campus, refund energy improvement projects on all campuses originally financed with tax-exempt commercial paper and partially refund Series W.	2015	48,630	3.00-5.00%	2034	24,300	27,345	2,925
Series BB2							
Taxable debt for reallocation of Drug Discovery from tax-exempt Series AA	2015	18,985	2.74-3.81%	2032	12,480	13,420	960
Series CC							
Finance construction of West Lafayette Agriculture & Life Sciences Facility and partially refund Series X and Series Y	2016	121,885	3.00-5.00%	2036	101,425	112,480	11,620
Series DD							
Finance renovation and construction of Agricultural and Biological Engineering building and construction of BioScience Innovation building	2018	90,135	5.00%	2038	79,680	82,615	3,085
Series EE							
Finance construction of Engineering and Polytechnic Gateway building and Veterinary Medical Teaching Hospital; refund of Z-1 maturities beyond 2020	2020	112,140	5.00%	2037	106,215	109,065	6,665
Series FF							
Refund Student Fee Bond Series AA	2022	30,550	4.00-5.00%	2032	30,550	-	-
					433,805	467,000	34,970
Net unamortized premiums and costs					46,032	52,794	6,931
<b>Total Student Fee Bonds</b>					<b>\$ 479,837</b>	<b>\$ 519,794</b>	<b>\$ 41,901</b>

*Debt issuances are comprised of annual maturities, each of which may have a different interest rate. Table above reflects the rates in effect on 6/30/22.*

## Student Fee Bonds

Under State statutes, the pledge supporting the Student Fee Bonds is the student tuition and general fees received by the University and qualified swap receipts and proceeds thereof, as defined. There are no outstanding qualified swaps. Annual disclosures are required under SEC Rule 15c2-12 each year.

Terms of default include the failure to make scheduled payments of principal or interest, or a budget that does not cover annual debt service at least one (1) time. The University and the Trustee can enter into a supplemental indenture to release specific student fees from the definition of student fees if actual student fees received by the University during the preceding fiscal year, less those student fees to be removed from the definition and from the lien of the Indenture, are equal to or greater than two (2) times the maximum annual debt service, as defined, to become due in that or any succeeding fiscal year for the

payment of principal and interest on Student Fee Bonds then outstanding. The University is obligated to maintain the continued tax status of all Student Fee Bonds, provide for audited financial statements and continue operations of the University.

The Trustee may undertake any remedy available by suit or suits at law or equity and can accelerate the payment of principal and interest on the Student Fee Bonds if there is a default on any junior lien obligations.

All Student Fee Bonds outstanding have been issued through public sales.

The Series Z-2 bonds participate in the Build America Bonds program. Prior to March 1, 2013, the University received semi-annual federal credit payments equal to 35% of actual interest expense incurred on the outstanding principal balance of the bonds. Certain annual reductions began on March 1, 2013. The reduction rate was 5.7% from October 1, 2020 to September 30, 2022.

On June 16, 2022, the University issued Student Fee Bonds, Series FF at par value of \$30,550,000 and a premium of approximately \$3,324,060 to refund Student Fee Bonds, Series AA in the amount of \$33,585,000 and to pay for allowable costs of issuance. The refunding resulted in an economic gain (difference between the reacquisition cost and unamortized premium) of \$2,669,000 over the term of the refunding bonds.

**Availability Payments Payable.** Plenary Properties Purdue, LLC was selected for a public-private partnership to construct two new residence halls on the West Lafayette campus. The two residence halls accommodate approximately 1,300 beds through the term of the project, which ends in June 2083. Monthly availability payments from this agreement include payments for the capital investment and payments for ongoing operation and maintenance. The two residence halls opened in August 2020, at which time the availability payments started. The capital element of the availability payment was recognized at a net present value of \$149,158,000 as current and long-term liabilities and capital assets for the two residence halls.

**Financed Obligations Payable.** Financed obligations consisted of the following items (dollars in thousands):

Issue	Issue Date	Original Issuance	Interest Rates	Final Maturity Date	Outstanding June 30, 2022	Outstanding June 30, 2021	Current Outstanding June 30, 2022
Certificates of Participation with Ross-Ade:							
Series 2006	2006	70,345	5.25%	2025	14,770	14,770	3,415
Series 2016A	2016	85,120	4.00-5.00%	2037	73,875	73,875	4,190
Series 2021A	2021	29,935	5.00%	2035	29,935	29,935	-
Series 2021B	2021	2,350	2.25%	2032	2,350	2,350	-
Direct Placement Certificates of Participation:							
Series 2014A	2014	21,955	2.66%	2027	16,365	16,365	940
Purdue Research Foundation:							
Child Care Facility	2018	5,522	2.82%*	2033	4,011	4,336	315
NW Recreation Facility	2018	4,924	2.82%*	2031	3,549	3,845	287
Waldron	2022	7,890	3.07%*	2032	5,641	-	534
Other:							
Cisco	2018	23,458	2.52%	2022	-	3,648	-
					150,496	149,124	9,681
Net unamortized premiums and costs					18,125	20,547	2,307
<b>Total</b>					<b>\$ 168,621</b>	<b>\$ 169,671</b>	<b>\$ 11,988</b>

\*Variable interest rates are reset periodically and are based upon market conditions. Rates shown are as of June 30, 2022.

The Certificates of Participation (COPs) are secured by certain real estate and the projects located on that real estate, the lease payments to the Ross-Ade Foundation, and a pledge of available income, except student fees and state appropriations. The University has entered into a lease purchase arrangement whereby on the termination of the stated lease, title to the land and buildings will be conveyed absolutely to the Trustees of the University. As a result, this is not reported under GASB 87, Leases. At any time during the lease term, the University has the right to acquire the entire title to the facility by paying the Ross-Ade Foundation an amount equal to the then outstanding indebtedness. The Ross-Ade Foundation has created a reserve for valuation to reduce the carrying value of certain properties leased to the University in an amount not greater than the proceeds to be received if disposal was made to the University.

Under the Certificates of Participation, assets are financed on a lease purchase basis under an Indenture between the Ross Ade Foundation and the Trustee for the Certificates. The Foundation assigns the right to receive lease rental payments received from the University to the Trustee. The Indenture constitutes a mortgage on the financed property for each series. All series are secured on a parity basis by all mortgages and all lease rental payments. The liens granted through the financings are to be maintained on each financed asset until all payments of principal, interest and fees are received by the Trustee. Other than permission to inspect the facilities, the Trustee receives no special rights to the facilities and maintains no financial covenants through the Indenture.

Terms of default include the failure to make scheduled payments of principal or interest, bankruptcy of the Ross-Ade Foundation and failure to cure lack of performance of covenants within stated time frames. The Trustee can, under certain instances of University default, declare all principal and interest due and payable, subject to the right of at least 51% of the outstanding owners of the Certificates to annul the demand for payment if the default has been cured and all Trustee fees paid. Annual disclosures are required under SEC Rule 15c2-12 each year.

With the exception of COPS 2014A, the Certificates have been issued through public sales. The COPS 2014A were issued pursuant to the same terms and conditions as all other Certificates and were purchased by JPMorgan Chase Bank, N.A.

The University's lease rental payments are otherwise unsecured and are payable from all available funds of the University, as defined in the Indentures.

On May 12, 2021, the University issued Certificates of Participation, Series 2021A at par value of \$29,935,000 and a premium of \$10,025,000 to refund the portion of the outstanding principal that matures on July 1, 2021 for Certificates of Participation, Series 2006, 2014A, 2016A, and to refund in whole the Series 2011A outstanding principal amount of \$31,295,000. The University also issued Taxable Certificates of Participation, Series 2021B at par value of \$2,350,000 to fund the payment of interest due on July 1, 2021 for Certificates of Participation, Series 2006, 2014A and 2016A. The University estimates a reduction in its aggregate debt service payments over the life of the debt of approximately \$4,760,000, due to the refunding.

In addition to the Certificates of Participation, the University also has other arrangements, where the property will transition to the University at the end of the agreement terms. In June 2022, the University entered into arrangements with Purdue Research Foundation for Waldron properties totaling \$7,890,000.

**Leases Payable.** The University leases certain assets from various third parties. The assets leased include buildings, land, and equipment and payments are generally fixed. The interest rates utilized are those stated in the lease agreements or the University's incremental borrowing rate if a rate is not specified.

Future principal and interest payment requirements related to The University's lease liability at fiscal years ending June 30, 2022 are as follows (dollars in thousands):

<b>Fiscal Year</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
2023	\$ 8,839	\$ 414	\$ 9,253
2024	7,514	349	7,863
2025	5,364	293	5,657
2026	2,754	257	3,011
2027	2,131	228	2,359
2028-2032	10,699	716	11,415
2033-2037	4,873	93	4,966
<b>Total</b>	<b>\$ 42,174</b>	<b>\$ 2,350</b>	<b>\$ 44,524</b>

As of June 30, 2022, the University has approximately \$4,470,000 in commitments related to leases for which the lease term has not commenced.

**Scheduled payments.** Debt scheduled payments for capital assets for the fiscal years ending June 30 are as follows (dollars in thousands):

<b>Fiscal Year</b>	<b>All Debt except Direct Borrowings</b>			<b>Direct Borrowings</b>		
	<b>Principal</b>	<b>Interest</b>	<b>Total</b>	<b>Principal</b>	<b>Interest</b>	<b>Total</b>
2023	58,745	34,207	92,952	2,475	8,224	10,699
2024	56,330	33,105	89,435	2,554	8,145	10,699
2025	57,300	30,433	87,733	2,639	8,064	10,703
2026	60,080	27,612	87,692	2,722	7,970	10,692
2027	58,280	24,747	83,027	6,991	7,836	14,827
2028-2032	264,160	85,316	349,476	16,773	36,995	53,768
2033-2037	199,840	29,027	228,867	4,017	35,528	39,545
2038-2042	34,365	2,106	36,471	4,581	34,525	39,106
Thereafter	-	-	-	135,261	185,405	320,666
	789,100	266,553	1,055,653	178,013	332,692	510,705
Net unamortized premiums and costs	83,298	-	83,298	-	-	-
	<b>\$ 872,398</b>	<b>\$ 266,553</b>	<b>\$ 1,138,951</b>	<b>\$ 178,013</b>	<b>\$ 332,692</b>	<b>\$ 510,705</b>

As of June 30, 2022 and 2021, the Deferred Outflows of Resources for debt refunding was \$16,041,000 and \$18,206,000, respectively. As of June 30, 2022 and 2021, the Deferred Inflows of Resources for debt refunding was \$3,680,000 and \$-0-, respectively.

**Lines of Credit.** The University does not use lines of credit.

**Defeased Bond Issues.** The University defeases bonds by prepayment or issuing new debt. The University's defeased debt is shown below (dollars in thousands). US Treasury obligations have been purchased in amounts sufficient to pay principal and interest payments when due through call date, and have been deposited in irrevocable trusts with the Trustee. Neither the defeased bonds nor the related trusts are reflected in the accompanying financial statements.

Bond proceeds from Series FF in the amount of \$33,585,000 and associated interest of \$747,269 from the University were prepaid to the Trustee at the June 16, 2022 closing for SFB Series FF, allowing for defeasement of all AA remaining obligations in conjunction with the scheduled principal and interest payments on July 1, 2022.

Bond proceeds from Series 2022A in the amount of \$46,805,000 and associated interest of \$349,006 from the University were prepaid to the Trustee at the June 30, 2022 closing for SFSRB Series 2022A, allowing for defeasement of all 2012A, 2007C, and 2005A remaining obligations in conjunction with the scheduled principal and interest payments on July 1, 2022.

Description of Bonds	Final Maturity/ Call Date	Amount Outstanding	
		June 30, 2022	June 30, 2021
Student Fee Bonds:			
Student Fee Bonds, Series AA	7/1/2022	\$ 33,585	\$ -
System Facilities System Revenue Bonds:			
System Facilities System Revenue Bonds, 2012A	7/5/2022	\$ 16,665	\$ -



## Note 7— Other Post-Employment Benefits

Purdue University administers a single-employer OPEB plan, known as the Pre-65 Retiree Health Plan, used to provide postemployment benefits other than pensions for official retirees who were formerly permanent full-time general employees. Plan authority is outlined in Purdue HR Policy VI.A.1, and governed by the Purdue University Board of Trustees. Assets for payment of benefits related to this plan are not accumulated in a trust that meets the criteria of GASB Statement No. 75, paragraph 4.

The University offers medical insurance for official retirees and their dependents who meet eligibility criteria. Qualifying participants may continue to receive benefits until they reach the age of 65. Active employees hired on or after January 1, 2021 are not eligible for retiree health benefits. As of July 1, 2014, separating employees who are 55 or older, and have at least 10 years of service are eligible for official retirement status. Prior to July 1, 2014, the official retirement policy was retirees who are age 55 or older, whose age and years of service are equal to or greater than 70 and have at least 10 years of service. Official retirees under the age of 65 and their dependents are given the option to continue their medical insurance if they pay the entire cost of the blended medical plan rate, which includes both active employees and early retirees. Early retirees enjoy the benefit of a lower insurance cost due to continued participation in the University plan, which creates an implicit rate subsidy.

Purdue also offers a long-term disability program providing income continuation payments. Based on date of disability, some additional benefits may be extended. Prior to January 1, 2013, the program included retirement benefit payments, and medical and life insurance premium payments for a small required premium paid by the employee. Those who were participating in the program at that date continue to receive the benefits until they reach the age of 65. Individuals with a date of disability beginning January 1, 2013 or after, may continue medical benefits at the existing employee premiums until the employee becomes eligible for Medicare, or for a maximum of three years after the employee becomes disabled, whichever comes first. All future and existing disability income benefit liability is fully insured through an insurance carrier.

For the fiscal year ended June 30, 2022, the actuarial valuation used census data at July 1, 2021:

Retired members or beneficiaries currently receiving benefits	200
Disabled members currently receiving benefits	45
Active members	11,280
<b>Total</b>	<b><u>11,525</u></b>

For the fiscal year ended June 30, 2021, the actuarial valuation used census data at July 1, 2019:

Retired members or beneficiaries currently receiving benefits	302
Disabled members currently receiving benefits	89
Active members	12,544
<b>Total</b>	<b><u>12,935</u></b>

Purdue's total OPEB liabilities of approximately \$28,918,000 as of June 30, 2022 and \$34,760,000 as of June 30, 2021 were determined with measurement/experience dates of July 1, 2021 and July 1, 2020, using an actuarial valuation as of July 1, 2021 and July 1, 2019, done in accordance with GASB Statement No. 75. The total OPEB liabilities in the June 30, 2021 and 2020 actuarial reports were determined using the following actuarial assumptions and other inputs, applied to all periods included in the measurement, unless otherwise specified:

Actuarial assumptions:

Inflation	3.00% as of July 1, 2021 and 2.50% as of July 1, 2020
Projected salary increases	3.00%
Discount rate	2.19% as of July 1, 2021; 2.21% as of July 1, 2020, based on the rate for 20-year, tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher.

Health care cost trend rate:

Medical & Prescription Drug	As of July 1, 2021, 7.50% decreasing by 0.5% annually to a rate of 4.50%; As of July 1, 2020, 7.00% graded to 4.50% over 10 years.
Dental	4.00% as of July 1, 2021 and 3.00% as of July 1, 2020
Administrative Costs	3.00%
Mortality Rates	As of July 1, 2021 follows the Pub-2010 mortality tables with the MP-2021 mortality improvement scale published by the SOA; As of July 1, 2020 as prescribed under IRS Regulations 1.431 (c)(6)-1 and 1.430(h)(3)-1, using static tables with separate tables for annuitants and nonannuitants (RP-2000 tables projected forward to the valuation year plus 7 years for annuitants and 15 years for nonannuitants)

Because Purdue University is not prefunding the OPEB benefits, the discount rates used in the valuation for financial disclosure purposes are based on the index rate for 20-year, tax-exempt general obligation municipal bonds with an average rating of AA/Aa or higher. The current discount rate was selected from a range between the lowest and highest rates of Bond Buyer Go 20-Bond Municipal Bond Index, S&P Municipal Bond 20-Year High Grade Rate Index, and Fidelity 20-Year Go Municipal Bond Index.

**Changes in the Total OPEB Liability (dollars in thousands):**

**For the years ended June 30,**

	<u>2022</u>	<u>2021</u>
<b>Beginning Balance</b>	<b>\$ 34,760</b>	<b>\$ 33,357</b>
Changes for Year:		
Service Cost	2,656	1,927
Interest	786	1,150
Differences between expected and actual experience	(6,081)	634
Changes of assumptions	454	2,571
Benefit payments	(3,657)	(4,879)
Net Change in Total OPEB Liability	<u>(5,842)</u>	<u>1,403</u>
<b>Ending Balance</b>	<b><u>\$ 28,918</u></b>	<b><u>\$ 34,760</u></b>

Changes of assumptions reflect a decrease in the discount rate from 2.21% to 2.19% as of June 30, 2022 and a decrease from 3.50% to 2.21% as of June 30, 2021. The June 30, 2022 assumption changes reflect updates to the annual per capita health care costs based on historical claims for the 24-month period ending December 31, 2021 as well as updates to the mortality tables and health care trend rates. The June 30, 2021 assumption changes reflected the repeal of the potential excise tax on plans that exceed certain cost thresholds.

**Sensitivity Analysis:**

OPEB liability is sensitive to both changes in the discount rate and the healthcare cost trend rates. The following presents the Total OPEB Liability of the University as well as what the liability would be if it were calculated using a discount rate that is 1 percentage point lower or 1 percentage point higher than the current discount rate as of June 30, 2022 and 2021. Also shown is the amount the Total OPEB Liability would be if it were calculated using healthcare cost trend rates that were 1 percentage point lower or 1 percentage point higher than the current healthcare trend rates.

**Discount Rate Sensitivity**

Total OPEB Liability as of June 30, 2022

<b>1% Decrease (1.19%)</b>	<b>Current (2.19%)</b>	<b>1% Increase (3.19%)</b>
\$ 30,675,868	\$ 28,918,020	\$ 27,287,106

Total OPEB Liability as of June 30, 2021

<b>1% Decrease (1.21%)</b>	<b>Current (2.21%)</b>	<b>1% Increase (3.21%)</b>
\$ 37,112,095	\$ 34,759,696	\$ 32,595,306

**Healthcare Cost Trend Rate Sensitivity**

Total OPEB Liability as of June 30, 2022

<b>1% Decrease</b>	<b>Current</b>	<b>1% Increase</b>
\$ 26,575,632	\$ 28,918,020	\$ 31,643,214

Total OPEB Liability as of June 30, 2021

<b>1% Decrease</b>	<b>Current</b>	<b>1% Increase</b>
\$ 31,802,602	\$ 34,759,696	\$ 38,192,361

**OPEB Expense and Deferred Inflows of Resources related to OPEB:**

For the year ended June 30, 2022 and 2021, the University recognized OPEB expense of approximately \$1,841,000 and \$2,179,000 respectively. At June 30, 2022 and 2021, the University reported Deferred Inflows of Resources related to the Change of Assumptions in the amount of approximately \$10,904,000 and \$6,894,000, respectively, related to the Changes of Assumptions. At June 30, 2022 and 2021, the University reported Deferred Outflows of Resources in the amount of approximately \$6,386,000 and \$5,507,000, respectively, including \$3,609,000 and \$2,715,000 related to payments made beyond the measurement dates of July 1, 2021 and 2020.

Amounts reported as net deferred outflows/inflows of resources related to OPEB will be recognized in future years' OPEB expense as follows (dollars in thousands):

**Total Year Ended June 30,**

2023	\$	(1,602)
2024		(1,602)
2025		(1,496)
2026		(1,307)
2027		(1,031)
Thereafter		<u>(1,089)</u>
Total	\$	<u>(8,127)</u>



## Note 8 - Operating Expenses by Function

Operating expenses by functional classification are summarized as follows (dollars in thousands):

### June 30, 2022

Function	Compensation and Benefits	Supplies and Services	Depreciation	Scholarships, Fellowships and Student Awards	Total
Instruction	\$ 756,721	\$ 103,762	\$ -	\$ -	\$ 860,483
Research	212,473	123,735	-	-	336,208
Extension and Public Service	114,242	39,164	-	-	153,406
Academic Support	110,481	72,762	-	-	183,243
Student Services	133,069	32,568	-	-	165,637
General Administration and Institutional Support	168,977	258,254	-	-	427,231
Physical Plant Operations and Maintenance	90,834	49,344	-	-	140,178
Depreciation	-	-	215,560	-	215,560
Student Aid	-	-	-	146,669	146,669
Auxiliary Enterprises	83,886	109,541	-	-	193,427
<b>Total</b>	<b>\$ 1,670,683</b>	<b>\$ 789,130</b>	<b>\$ 215,560</b>	<b>\$ 146,669</b>	<b>\$ 2,822,042</b>

### June 30, 2021 As Restated

Function	Compensation and Benefits	Supplies and Services	Depreciation	Scholarships, Fellowships and Student Awards	Total
Instruction	\$ 732,391	\$ 78,828	\$ -	\$ -	\$ 811,219
Research	197,338	94,135	-	-	291,473
Extension and Public Service	104,576	31,359	-	-	135,935
Academic Support	107,600	55,594	-	-	163,194
Student Services	133,389	47,341	-	-	180,730
General Administration and Institutional Support	167,550	229,338	-	-	396,888
Physical Plant Operations and Maintenance	86,689	41,938	-	-	128,627
Depreciation	-	-	212,195	-	212,195
Student Aid	-	-	-	98,585	98,585
Auxiliary Enterprises	75,176	97,789	-	-	172,965
<b>Total</b>	<b>\$ 1,604,709</b>	<b>\$ 676,322</b>	<b>\$ 212,195</b>	<b>\$ 98,585</b>	<b>\$ 2,591,811</b>

## Note 9 — Retirement Plans

**Authorization.** Authorization to establish retirement plans is stated in Indiana Code IC 21-38-7.

**All Employees.** University employees are participants in various retirement programs, including the Federal Insurance Contributions Act (FICA). During the years ended June 30, 2022 and 2021, the University's contribution to FICA was approximately \$70,771,000 and \$67,449,000 respectively. The University has adopted a CARES Act provision enabling the University to retain the employer's share of FICA tax from April 22, 2020 until December 31, 2020, remitting 50% of the tax by December 31, 2021 and 50% of the tax by December 31, 2022. As of June 30, 2022 and 2021, \$18,106,000 and \$35,977,000 respectively have been retained under this provision and are included in the accounts payable and other noncurrent liabilities.

**Defined Contribution Plans.** Certain employees of the University participate in defined contribution plans. Benefit provisions are established and/or amended by the Trustees. University defined contribution plans are all administered through Fidelity Investments. Plan contributions are made at the time the associated payroll is issued, so there is not a significant outstanding liability at June 30, 2022 or 2021.

**Faculty and Administrative/Professional Staff.** Faculty, professional, and certain administrative employees of the University participate in the exempt employees' defined contribution plans. Faculty and management personnel participate immediately upon employment; others must satisfy a three-year waiting period. Effective January 1, 2011, the University contributes 10% of each participating employee's salary to the Purdue University 403(b) defined contribution retirement plan. Employee contributions are not required but may be made on a voluntary basis to the Purdue University 403(b) voluntary tax-deferred annuity plan and/or the Purdue University 457(b) deferred compensation plan. Those eligible to participate in the defined contribution plan also participate in the Purdue University 401(a) Profit Sharing Plan. This plan requires a mandatory employee contribution of 4% of their salary. Funds in all exempt employees defined contribution plans are immediately vested, so no forfeitures exist in these plans.

For the years ended June 30, 2022 and 2021, there were 7,465 and 7,602 employees, respectively, participating in the plans with annual pay equal to approximately \$744,351,000 and \$719,180,000 respectively. For the years ended June 30, 2022 and 2021, the University made contributions totaling approximately \$70,362,000 and \$67,882,000, respectively, to these plans.

**Clerical, Service, and Operations/Technical Assistants.** Clerical, service, and operations/technical assistants hired on or after September 9, 2013 and employed at least half-time participate in the non-exempt employees' defined contribution plan. Benefits-eligible employees in this category participate immediately upon date of employment. The University provides a base contribution of 4% of the participating employee's salary each pay period to the Purdue University 403(b) defined contribution retirement plan. This plan has a three-year vesting period for this employee group, and there is not a material forfeiture balance at this time. Employee contributions are not required but may be made on a voluntary basis to the Purdue University 403(b) voluntary tax-deferred annuity plan. The University will match voluntary employee pre-tax contributions up to 4% of earnings each pay period. Employees may also contribute voluntarily to the Purdue University 457(b) Deferred Compensation Plan, but these contributions are not matched.

For the years ended June 30, 2022 and 2021, there were 2,556 and 2,707 employees, respectively, participating in the plan with annual pay equal to approximately \$72,061,000 and \$73,570,000 respectively. For the years ended June 30, 2022 and 2021, the University made base contributions totaling approximately \$2,734,000 and \$2,578,000, respectively, and matching contributions totaling approximately \$2,303,000 and \$2,113,000 respectively, to the plan.

**Purdue University Global Defined Contribution Plans.** The University has two defined contribution plans, administered through Fidelity Investments in which all full-time eligible employees may participate. Benefit provisions are established and/or amended by the Trustees. Plan contributions are typically made at the time the associated payroll is issued, so there is not a significant outstanding liability at June 30, 2022 or June 30, 2021.

All full-time eligible employees of the University may participate in the Purdue University Global, Inc. 457(b) Deferred Compensation Plan immediately upon employment. Enrollment is automatic at the date of employment or re-employment by operation of a default elective deferral. The default elective deferral rate begins at 6% of eligible compensation, and increases annually by 1% until it reaches a maximum of 10%. Contributions are not mandatory, and employees have the option to make a Contrary Election not to defer any compensation, or to defer a percentage of compensation, which is more or less than the default elective deferral amount, up to the maximum allowed. In addition, employees who are not full-time eligible employees may elect to participate in the plan by completing a deferred compensation agreement. All funds in this plan are immediately vested, so forfeitures do not exist. For the period ended June 30, 2022 and 2021, there were 1,104 and 1,036 employees participating in the 457(b) plan with pay equal to approximately \$54.3 and \$48.9 million, respectively. For the periods ended June 30, 2022 and 2021, employees contributed \$6.1 million and \$5.2 million, respectively.

In 2018, the Plan implemented a trust to hold the assets of the Plan in accordance with Internal Revenue Code Section 457. The Plan assets are the property of the trust, which holds the assets on behalf of the participants. Therefore, in accordance with GASB Statement No. 97, *Certain Component Unit Criteria, and Accounting and Financial Reporting for Internal Revenue Code Section 457 Deferred Compensation Plans*, the assets of this Plan are not reported in the accompanying financial statements.

Likewise, all employees except interns, temporary, vacation relief, or call-in employees participate in the Purdue University Global, Inc. 403(b) Defined Contribution Retirement Savings Plan immediately upon commencement of employment. This plan features a non-elective employer contribution of 3% of participant's compensation. It also provides an employer matching contribution of 100% of elective deferrals up to 4% of compensation made to the Purdue University Global, Inc. 457(b) Deferred Compensation Plan. Three-year cliff vesting is in effect for the contributions in this plan. For the periods ended June 30, 2022 and 2021, there were 2,231 and 2,142 employees participating in the 403(b) plan with pay equal to approximately \$70 million and \$63.9 million. For the period ended June 30, 2022 and 2021 the University made contributions totaling \$4.1 million and \$3.7 million to the plan.

**Defined Benefit Plans.** Certain employees of the University participate in defined benefit plans administered by other agencies. Actuarial information related to the University's portion of these plans are disclosed in the Required Supplementary Information (RSI) at the back of the Financial Report.

**PERF Hybrid.** Regular clerical and service staff employed at least half-time and hired on or prior to September 8, 2013, participate in the Public Employees Retirement Fund (PERF) Hybrid Plan, a retirement program administered by Indiana Public Retirement System (INPRS), an agency of the state of Indiana.

PERF Hybrid was established to provide retirement benefits to plan members and beneficiaries. Benefit provisions are established and/or amended by the State of Indiana.

The PERF Hybrid retirement benefit consists of the sum of PERF DB, a defined pension provided by employer contributions, plus PERF DC the amount credited to the member's defined contribution account. Employees were eligible to participate in this plan immediately upon employment.

PERF DB is a cost-sharing, multiple employer defined benefit fund providing retirement, disability and survivor benefits to eligible employees participating in the fund. Administration of the fund is generally in accordance with IC 5-10.2, 5-10.3, 5-10.5, 35 IAC 1.2, and other Indiana pension law. PERF DB is a component of the Public Employees' Hybrid plan (PERF Hybrid).

Eligibility for Pension Benefit Payments under the PERF DB plan are as follows:

Full Retirement Benefit:

- At age 65 with at least 10 years of creditable service
- At age 60 with at least 15 years of creditable service
- At age 55 if age and creditable service total at least 85
- At age 70 with 20 years of creditable service and still active in the PERF-covered position

Calculation of Lifetime Annual Benefit = Years of Creditable Service x Average Highest Five-Year Annual Salary x 1.1% (minimum of \$180/month). Average annual compensation is outlined in IC 5-10.2-4-3 and includes compensation of not more than \$2,000 received from the employer in severance.

Postretirement benefit increases are granted on an ad hoc basis pursuant to IC 5-10.2-12.4 and administered by the Board.

PERF DC is a multiple-employer defined contribution fund providing retirement benefits to eligible employees participating in the fund. Administration of the account is generally in accordance with IC 5-10.2, 5-10.3, 35 IAC 1.2, and other Indiana pension law. PERF DC is also a component of the Public Employees' Hybrid plan (PERF Hybrid).

Retirement and Termination Benefit under PERF DC:

Members are entitled to the sum total of vested contributions plus earnings 30 days after separation from employment (retirement, termination, disability, or death). As of January 1, 2021, members at least 59 1/2 years of age and service eligible for normal retirement may take in-service distribution of their DC account. Additionally, members who are age and service eligible for normal retirement may take a withdrawal after separation without the 30 day wait period. The amount may be paid in a lump

sum, partial lump sum, direct rollover to another eligible retirement plan, or a monthly annuity (in accordance with INPRS requirements). PERF DC members are 100% vested in their account balance.

The required contributions to the PERF Hybrid plan are determined by INPRS Board of Trustees based on an actuarial valuation. For the years ended June 30, 2022 and 2021, the University was required to contribute 11.2% of the employee's salary to the PERF DB plan. The employee contribution to the PERF DC plan in the amount of 3% of the employee's salary is being made by the University on behalf of the employee.

The financial statements of INPRS, including PERF Hybrid, have been prepared using the accrual basis of accounting in conformity with generally accepted accounting principles as applied to government units. Oversight of INPRS' assets is the responsibility of the INPRS Board of Trustees. Indiana law requires the Board to establish investment guidelines and limits on all types of investments and take other actions necessary to fulfill its duty as a fiduciary for all assets under its control. Both pooled and non-pooled investments are reported at fair value. Benefits are recognized when due and payable to members or other beneficiaries. Benefits are paid once the retirement or survivor applications have been processed and approved. INPRS issues a publicly available financial report that includes financial statements, notes, and required supplementary information for the plan as a whole and for its participants. That report may be obtained by writing to: Indiana Public Retirement System, One North Capitol Ave., Suite 001, Indianapolis, IN 46204; or by visiting [www.in.gov/inprs/annualreports.htm](http://www.in.gov/inprs/annualreports.htm).

For the years ended June 30, 2022 and 2021, there were 1,585 and 1,859 employees, respectively, participating in PERF Hybrid. The University's proportionate share of PERF Hybrid's Net Pension Liability based on covered payroll of approximately \$88,623,000 was 1.61% for the measurement date June 30, 2021, which was the date used for this financial report. The proportionate share of the Net Pension Liability as calculated by INPRS under GASB 68 guidance was approximately \$21,151,000 and \$49,762,000 for measurement dates of June 30, 2021 and 2020. The proportionate share of 1.61% is a decrease of .04 percentage points from the measurement date of June 30, 2020 of 1.65%. The June 30, 2020 value was a decrease of .04 percentage points from the proportionate share from the measurement date of June 30, 2019 of 1.69%.

The University made contributions to the plan totaling approximately \$9,401,000 and \$10,020,000 for the years ending June 30, 2022 and 2021, respectively. The amount of contribution made after the measurement date, which is shown as a deferred outflow was approximately \$7,403,000 and \$7,892,000 for the years ended June 30, 2022 and 2021, respectively. The proportionate shares of pension plan expense (revenue) for the years ended June 30, 2022 and 2021 as calculated under GASB 68 guidance were approximately (\$1,826,000) and \$4,008,000 less net amortization of deferred amounts of approximately (\$1,996,000) and (\$1,178,000) leaving a net pension expense (revenue) of approximately (\$3,822,000) and \$2,830,000.

Actuarial calculations reflect a long-term perspective and the significant assumptions used in the actuarial valuation to calculate the total pension liability follow.

	<u>2022</u>	<u>2021</u>
Asset Valuation Date	June 30, 2021	June 30, 2020
Liability Valuation Date *	June 30, 2020	June 30, 2019
Actuarial Amortization Method/Period	20 year level dollar closed	
Actuarial Cost Method	Entry Age Normal (Level Percent of Payroll)	
Employer Required Contribution	Asset Smoothing Method	
Actuarial Assumptions:		
Investment Rate of Return	6.25%	6.75%
Inflation Rate	2.00%	2.25%
Projected Salary Increases	2.65%-8.65%	2.75%-8.75%
Cost of Living Adjustments	1%	1%

\*With standard actuarial roll forward techniques used to project the total pension liability at June 30.

Mortality rates for June 30, 2022 and 2021 were based on the Pub-2010 Public Retirement Plans Mortality Tables (Amount-Weighted) with a fully generational projection of mortality improvements using SOA Scale MP-2019.

The long-term return expectation has been determined by using a building-block approach and assumes a time horizon, as defined in the INPRS Investment Policy Statement. A forecasted rate of inflation serves as the baseline for the return expectation. Various real return premiums over the baseline inflation rate have been established and the long-term expected nominal rate of return has been determined by calculating a weighted average of the expected real return premiums for each asset class, adding the projected inflation rate, and adding the expected return from rebalancing uncorrelated asset classes.

## ASSET CLASS TABLE:

	2022		2021	
	Target Asset Allocation	Geometric Basis	Target Asset Allocation	Geometric Basis
		Long-Term Expected Real Rate of Return		Long-Term Expected Real Rate of Return
Public Equity	20.0%	3.6%	22.0%	4.4%
Private Markets	15.0%	7.3%	14.0%	7.6%
Fixed Income - Ex Inflation-Linked	20.0%	1.5%	20.0%	1.9%
Fixed Income - Inflation-Linked	15.0%	-0.3%	7.0%	0.5%
Commodities	10.0%	0.8%	8.0%	1.6%
Real Estate	10.0%	4.2%	7.0%	5.8%
Absolute Return	5.0%	2.5%	10.0%	2.9%
Risk Parity	20.0%	4.4%	12.0%	5.5%
Leverage Offset	-15.0%	-1.4%		

Total pension liability was calculated using the discount rate of 6.25% for June 30, 2022 and 6.75% for June 30, 2021. The projection of cash flows used to determine the discount rate assumed the contributions would at the minimum be made at the actuarially determined required rates computed in accordance with the current funding policy, adopted by the Board. Projected inflows from investment earnings were calculated using the long-term assumed investment rate of return 6.25% for June 30, 2022 and 6.75% for June 30, 2021. Based on those assumptions, the plan's fiduciary net position was projected to be available to make all projected future benefit payments of current plan members. Therefore, the long-term expected rate of return on pension plan investments was applied to all periods of projected benefits to determine the total pension liability.

Net pension liability is sensitive to changes in the discount rate, and to illustrate the potential impact the following table presents the net pension liability calculated using the current discount rate, as well as what each plan's net pension liability would be if it were calculated using a discount rate that is one percentage point lower, or one percentage point higher than the current rate:

## Actuarial Valuation as of: June 30, 2021

1% Decrease (5.25%)	Current (6.25%)	1% Increase (7.25%)
\$ 55,319,659	\$ 21,151,199	\$ (7,349,819)

## Actuarial Valuation as of: June 30, 2020

1% Decrease (5.75%)	Current (6.75%)	1% Increase (7.75%)
\$ 81,128,826	\$ 49,761,902	\$ 23,489,556

As a result of GASB 68 implementation, new categories of deferred outflows and inflows of resources are required to be reported and disclosed, as follows:

**Summary of Deferred Outflows and Inflows of Resources**

(dollars in thousands)

	<b>As of June 30, 2022</b>	
	<b>Deferred Outflows</b>	<b>Deferred Inflows</b>
Differences between expected and actual experience	\$ 723	\$ 422
Net difference between projected and actual investment earnings on pension plan investments	-	27,463
Change of assumptions	10,639	4,751
Changes in proportion and differences between employer contributions and proportionate share of contributions	52	3,841
Contribution made after the measurement date	7,403	-
<b>Total Deferred Outflows and Inflows</b>	<b>\$ 18,817</b>	<b>\$ 36,477</b>

	<b>As of June 30, 2021</b>	
	<b>Deferred Outflows</b>	<b>Deferred Inflows</b>
Differences between expected and actual experience	\$ 882	\$ 668
Net difference between projected and actual investment earnings on pension plan investments	4,259	-
Change of assumptions	-	10,368
Changes in proportion and differences between employer contributions and proportionate share of contributions	273	2,890
Contribution made after the measurement date	7,892	-
<b>Total Deferred Outflows and Inflows</b>	<b>\$ 13,306</b>	<b>\$ 13,926</b>

These deferred outflows and inflows of resources are required to be amortized over either a 4.5 or 5 year life, depending upon the nature of the item. Amortization of these items is presented in the following table:

Amortization of Net Deferred Outflows/Inflows of Resources	
2022	\$ (7,543)
2023	(6,103)
2024	(3,567)
2025	(7,850)
<b>Total</b>	<b>\$ (25,063)</b>

**Purdue University Police Officers and Firefighters Pension Plan.** A supplemental pension program for police officers and firefighters (Police/Fire) was authorized by the Purdue Board of Trustees on March 13, 1990 and was established on July 1, 1990. In conjunction with other retirement plans offered by the University, this plan provides police officers and firefighters employed by the University with a total retirement benefit that is comparable to the benefits received by municipal police and fire personnel in Indiana. Both benefit provisions and contribution requirements are established and may be amended by the Employer. The program is a single-employer defined benefit plan, funded through group annuities, and administered by the plan Administrator, with funding and reporting through the Teachers Insurance and Annuity Association (TIAA) and College Retirement Equities Fund (CREF). The financial statements of the plan are included in these financial statements as a pension trust fund (a fiduciary fund).

The plan provides for normal retirement benefits after the completion of 20 years of covered employment, and attainment of 55 years of age. The normal benefit payable under this plan is an amount equal to 50% of the annual base salary of a non-probationary-level police officer at each campus, as in effect at the time of a member's retirement, reduced by the amount of any pension benefits payable under other University retirement programs, including TIAA-CREF and PERF Hybrid.

Employees are vested after the completion of 10 years of covered employment, and those who are also age 55 or over are then eligible for early retirement benefits using the same calculation as above but replacing 50% of the defined salary with 2.5% of the defined salary multiplied by the years of service for accrual.

If an eligible employee terminates employment because of a total disability as defined in the plan, he shall be eligible for disability retirement benefits under the plan.

All benefits will be adjusted annually for Cost of Living changes based on the Consumer Price Index.

Financial reports related to this plan may be obtained by writing to: Office of Legal Counsel, Public Records Officer; Purdue University, Hovde Hall, 610 Purdue Mall, West Lafayette, IN 47907-2040.

For the years ending June 30, 2022 and 2021, there were 102 and 106 employees, with covered payroll of \$6,376,000 and \$6,453,000, respectively, actively participating in the Police/Fire plan. In addition to this there were 36 and 33 vested employees who had terminated and 98 and 94 retired participants, for the years ending June 30, 2022 and 2021 respectively.

Employees covered by this plan are required to make contributions equal to 3% of the current salary for a non-probationary-level police officer. University contributions are to be in such additional amounts as needed to maintain the plan on an actuarially sound basis. University contributions were not required to be made to the plan for the fiscal years ending June 30, 2022 and June 30, 2021.

Actuarial calculations reflect a long-term perspective and the significant assumptions used in the actuarial valuation to calculate the total pension liability follow.

	<u>2022</u>	<u>2021</u>
Valuation / Measurement Date	July 1, 2021	July 1, 2020
Actuarial Cost Method	Entry Age Normal (Level Percent of Payroll)	
Interest Discount Rate	5.25%	
Cost of Living Increases	2.25%	
Salary Scale	3.00%	2.50%
Interest Rate for Participant Contributions	3.25%	
Mortality	Pub-2010 Public Retirement Plans Mortality for Safety Employees Table (PubS-2010) with generational improvements projected under Scale MP-2021 and MP-2020	
Pre-Retirement	PubS-2010 generational table for non-annuitants projected with Scale MP-2021 and MP-2020	
Post-Retirement	PubS-2010 generational table for annuitants projected with Scale MP-2021 and MP-2020	

The long term expected rate of return on the plan assets is 5.25%. Employee contributions are 3% of future expected base salaries, and plan funding is based on the projected unit credit cost method. If University contributions were required, based on the actuarial calculations, the assumption is that the University would make such contributions to provide required cash flow to the plan.

Plan investments were chosen, pursuing an investment strategy long term in nature, which was established by the employer, with funding through TIAA/CREF investment vehicles. The TIAA Traditional Annuity is a guaranteed fixed annuity. There are no concentrations of over five percent ownership of any company within the CREF Growth and CREF Stock accounts combined.

**Asset Allocation Policy for the plan:**

<b>Asset Breakdown:</b>	<b>Percentage of Total Assets at July 1,</b>		<b>Expected Rate of Return at July 1,</b>	
	<b>2021</b>	<b>2020</b>	<b>2021</b>	<b>2020</b>
TIAA Traditional	28.44%	37.43%	4.02%	4.67%
CREF Growth Account	42.48%	37.09%	5.59%	5.44%
CREF Stock Account	29.08%	25.48%	5.42%	6.27%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>		

Weighted average return (rounded to nearest 25 bp) 5.00%

Expected rates of return developed using capital market assumptions for each asset class based on 20-year arithmetic expected returns provided by Morningstar as of November 2020 and November 2019.

The actual rates of return for valuation years ended June 30, 2021 and 2020 were 29.6% and 8.9% respectively.

The actuarial pension liability (asset) is sensitive to changes in the discount rate. To illustrate the potential impact, the following table presents the liability (asset) calculated using the current discount rate as well as discount rates 1% above and 1% below for each of the years presented.

### Sensitivity Analysis

For the year ended June 30, 2022

1% decrease	Current	1% increase
4.25%	5.25%	6.25%
\$ 527,345	\$ (7,212,348)	\$ (13,269,624)

For the year ended June 30, 2021

1% decrease	Current	1% increase
4.25%	5.25%	6.25%
\$ 1,180,659	\$ 542,530	\$ (2,265,719)

As a result of GASB 68 implementation, new categories of deferred outflows and inflows of resources are required to be reported and disclosed, as follows:

### Summary of Deferred Outflows and Inflows of Resources

(dollars in thousands)

	As of June 30, 2022	
	Deferred Outflows	Deferred Inflows
Differences between expected and actual experience	\$ -	\$ 601
Net difference between projected and actual investment earnings on pension plan investments	-	10,246
Change of assumptions	3,531	-
<b>Total Deferred Outflows and Inflows</b>	<b>\$ 3,531</b>	<b>\$ 10,847</b>
	<b>As of June 30, 2021</b>	
	<b>Deferred Outflows</b>	<b>Deferred Inflows</b>
Differences between expected and actual experience	\$ -	\$ 866
Net difference between projected and actual investment earnings on pension plan investments	-	1,122
Change of assumptions	4,122	-
<b>Total Deferred Outflows and Inflows</b>	<b>\$ 4,122</b>	<b>\$ 1,988</b>

Amortization of Net Deferred Outflows/Inflows of Resources		
2022	\$	(854)
2023		(854)
2024		(1,668)
2025		(2,071)
2026		(1,869)
<b>Total</b>	<b>\$</b>	<b>(7,316)</b>

### Schedule of Changes in Pension Liability for the fiscal years ended June 30,

(dollars in thousands)

	<b>2022</b>	<b>2021</b>
<b>Total pension liability</b>		
Service cost	\$ 1,066	\$ 954
Interest	2,148	3,221
Differences between expected and actual experience	(6)	(1,999)
Changes of assumptions	697	6,145
Benefit payments, including refunds of contributions	(1,470)	(1,419)
<b>Net change in total pension liability</b>	<u>2,435</u>	<u>6,902</u>
<b>Total pension liability - beginning</b>	41,703	34,801
<b>Total pension liability - ending (a)</b>	<u>\$ 44,138</u>	<u>\$ 41,703</u>
<b>Plan fiduciary net position</b>		
Contributions - employer	\$ -	\$ 19
Contributions - employee	189	177
Net investment income	11,471	3,420
Benefit payments, including refunds of contributions	(1,470)	(1,419)
<b>Net change in plan fiduciary net position</b>	<u>10,190</u>	<u>2,197</u>
<b>Plan fiduciary net position - beginning</b>	41,160	38,963
<b>Plan fiduciary net position - ending (b)</b>	<u>\$ 51,350</u>	<u>\$ 41,160</u>
<b>Net pension liability (asset) ending (a) - (b)</b>	<u>\$ (7,212)</u>	<u>\$ 543</u>

## Note 10 – Component Units

### Discretely Presented Component Units

Summary financial information as of and for the years ended June 30, 2022 and 2021, for the University's discretely presented component units are presented in the tables below.

#### Purdue University

#### Discrete Component Units Consolidated Statement of Net Position

As of June 30 (Dollars in Thousands)

	Purdue Research Foundation		Ross Ade Foundation		Purdue Fort Wayne Foundation	
	2022	2021	2022	2021	2022	2021
						<b>As Restated</b>
<b>Assets and Deferred Outflows of Resources:</b>						
<b>Current Assets:</b>						
Cash and Cash Equivalents	\$ 35,081	\$ 33,600	\$ 884	\$ 923	\$ 3,823	\$ 3,798
Investments	140,547	127,009	-	-	-	-
Accounts Receivable, Net	10,164	6,679	613	1	29	40
Pledges Receivable, Net	-	-	-	-	175	360
Notes Receivable, Net	3,992	1,562	-	-	306	305
Other Assets	-	-	2	1	4	4
<b>Total Current Assets</b>	<b>189,784</b>	<b>168,850</b>	<b>1,499</b>	<b>925</b>	<b>4,337</b>	<b>4,507</b>
<b>Noncurrent Assets:</b>						
Investments	3,655,873	3,769,640	-	-	8,767	9,044
Pledges Receivable, Net	-	-	-	-	-	77
Notes and Other Receivables, Net	28,326	30,849	180,501	181,847	719	1,025
Interest in Charitable Remainder Trusts	16,781	19,803	-	-	-	-
Capital Assets, Net	261,145	283,225	151	151	7,263	7,903
Other Noncurrent Assets	18,702	14,232	-	-	-	-
<b>Total Noncurrent Assets</b>	<b>3,980,827</b>	<b>4,117,749</b>	<b>180,652</b>	<b>181,998</b>	<b>16,749</b>	<b>18,049</b>
<b>Total Assets</b>	<b>4,170,611</b>	<b>4,286,599</b>	<b>182,151</b>	<b>182,923</b>	<b>21,086</b>	<b>22,556</b>
<b>Deferred Outflows of Resources</b>	-	-	3,628	4,019	-	-
<b>Liabilities and Deferred Inflows of Resources:</b>						
<b>Current Liabilities:</b>						
Accounts Payable and Accrued Expenses	34,485	36,382	3,098	3	7	536
Unearned Revenue	-	-	2,858	2,846	-	-
Bonds, Leases, and Notes Payable	6,688	5,575	10,851	2,423	370	316
<b>Total Current Liabilities</b>	<b>41,173</b>	<b>41,957</b>	<b>16,807</b>	<b>5,272</b>	<b>377</b>	<b>852</b>
<b>Noncurrent Liabilities:</b>						
Other Noncurrent Liabilities	2,648,647	2,747,735	20,493	22,157	-	-
Bonds, Leases, and Notes Payable	172,728	168,362	144,568	155,419	399	769
<b>Total Noncurrent Liabilities</b>	<b>2,821,375</b>	<b>2,916,097</b>	<b>165,061</b>	<b>177,576</b>	<b>399</b>	<b>769</b>
<b>Total Liabilities</b>	<b>2,862,548</b>	<b>2,958,054</b>	<b>181,868</b>	<b>182,848</b>	<b>776</b>	<b>1,621</b>
<b>Deferred Inflows of Resources</b>	-	-	-	-	1,015	1,325
<b>Net Position:</b>						
Net Investment in Capital Assets	82,179	109,653	1,938	2,092	6,493	6,818
Restricted - Nonexpendable	171,892	167,342	-	-	1,700	1,682
Restricted - Expendable	836,483	854,471	-	-	9,787	10,030
Unrestricted	217,509	197,079	1,973	2,002	1,315	1,080
<b>Total Net Position</b>	<b>\$ 1,308,063</b>	<b>\$ 1,328,545</b>	<b>\$ 3,911</b>	<b>\$ 4,094</b>	<b>\$ 19,295</b>	<b>\$ 19,610</b>

**Purdue University**

**Discrete Component Units Consolidated Statement of Revenues, Expenses, and Changes in Net Position**

For the Years Ended June 30 (Dollars in Thousands)

	Purdue Research Foundation		Ross Ade Foundation		Purdue Fort Wayne Foundation	
	2022	2021	2022	2021	2022	2021 As Restated
<b>Operating Revenues:</b>						
Sales and Services	\$ 37,269	\$ 37,481	\$ 4,229	\$ 3,154	\$ 423	\$ 384
Other Operating Revenues	4,870	3,229	-	-	943	1,017
<b>Total Operating Revenues</b>	<b>42,139</b>	<b>40,710</b>	<b>4,229</b>	<b>3,154</b>	<b>1,366</b>	<b>1,401</b>
<b>Operating Expenses:</b>						
Compensation and Benefits	43,048	39,410	-	-	-	-
Supplies and Services	103,520	84,882	38	332	1,287	1,740
Depreciation Expense	10,882	10,916	-	-	419	427
<b>Total Operating Expenses</b>	<b>157,450</b>	<b>135,208</b>	<b>38</b>	<b>332</b>	<b>1,706</b>	<b>2,167</b>
<b>Net Operating Income (Loss)</b>	<b>(115,311)</b>	<b>(94,498)</b>	<b>4,191</b>	<b>2,822</b>	<b>(340)</b>	<b>(766)</b>
<b>Nonoperating Revenues (Expenses):</b>						
Private Gifts	107,943	33,429	-	-	-	-
Investment Income (Loss)	(38,514)	333,114	1	-	28	2,499
Interest Expense	(7,151)	(7,462)	(4,375)	(3,702)	(3)	(4)
Other Nonoperating Revenues	27,221	32,515	-	-	-	-
<b>Total Nonoperating Revenues (Expenses) before Capital and Endowments</b>	<b>89,499</b>	<b>391,596</b>	<b>(4,374)</b>	<b>(3,702)</b>	<b>25</b>	<b>2,495</b>
<b>Capital and Endowments:</b>						
Private Gifts for Permanent Endowments	5,330	12,661	-	-	-	-
<b>Total Capital and Endowments</b>	<b>5,330</b>	<b>12,661</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Nonoperating Revenues (Expenses)</b>	<b>94,829</b>	<b>404,257</b>	<b>(4,374)</b>	<b>(3,702)</b>	<b>25</b>	<b>2,495</b>
<b>INCREASE (DECREASE) IN NET POSITION</b>	<b>(20,482)</b>	<b>309,759</b>	<b>(183)</b>	<b>(880)</b>	<b>(315)</b>	<b>1,729</b>
Net Position, Beginning of Year	1,328,545	1,018,786	4,094	4,974	19,610	17,881
<b>Net Position, End of Year</b>	<b>\$ 1,308,063</b>	<b>\$ 1,328,545</b>	<b>\$ 3,911</b>	<b>\$ 4,094</b>	<b>\$ 19,295</b>	<b>\$ 19,610</b>

## Blended Component Units

Condensed financial information follows for Purdue University Global, Inc. and Purdue Applied Research Institute, LLC (initial year), blended component units, before the elimination of certain intra-University transactions, as of and for the years ended June 30, 2022 and 2021. Purdue International, Inc. is also a blended component unit of the University, but is not presented because the value is insignificant to the total presentation.

### Purdue University

#### Blended Component Units Condensed Statement of Net Position

As of June 30 (Dollars in Thousands)

	Purdue University Global, Inc.		Purdue Applied Research Institute, LLC	
	2022	2021	2022	2021
	As Restated			
<b>Assets:</b>				
Current Assets	\$ 60,393	\$ 77,690	\$ 4,577	\$ -
Noncurrent Assets	32,710	3,335	198	-
<b>Total Assets</b>	<b>93,103</b>	<b>81,025</b>	<b>4,775</b>	<b>-</b>
<b>Liabilities:</b>				
Current Liabilities	102,466	101,016	611	-
Noncurrent Liabilities	22,656	21,893	126	-
<b>Total Liabilities</b>	<b>125,122</b>	<b>122,909</b>	<b>737</b>	<b>-</b>
<b>Deferred Inflows of Resources</b>	404	549	-	-
<b>Net Position:</b>				
Net Investment in Capital Assets	677	840	198	-
Unrestricted	(33,100)	(43,273)	3,840	-
<b>Total Net Position</b>	<b>\$ (32,423)</b>	<b>\$ (42,433)</b>	<b>\$ 4,038</b>	<b>\$ -</b>

**Purdue University**  
**Blended Component Units Condensed Statement of Revenues, Expenses, and Changes in**  
**Net Position**

For the Years Ended June 30 (Dollars in Thousands)

	Purdue University Global, Inc.		Purdue Applied Research Institute, LLC	
	2022	2021 As Restated	2022	2021
Operating Revenues	\$ 360,556	\$ 367,601	\$ 5,022	\$ -
Operating Expenses other than Depreciation	460,309	429,119	3,441	-
Depreciation Expense	614	553	-	-
<b>Net Operating Revenue (Loss)</b>	<b>(100,367)</b>	<b>(62,071)</b>	<b>1,581</b>	
Nonoperating Revenues	110,377	67,321	2,457	-
<b>Increase in Net Position</b>	<b>10,010</b>	<b>5,250</b>	<b>4,038</b>	<b>-</b>
Net Position, Beginning of Year	(42,433)	(47,683)	-	-
<b>Net Position, End of Year</b>	<b>\$ (32,423)</b>	<b>\$ (42,433)</b>	<b>\$ 4,038</b>	<b>\$ -</b>

**Purdue University**  
**Blended Component Units Condensed Statement of Cash Flows**

For the Years Ended June 30 (Dollars in Thousands)

	Purdue University Global, Inc.		Purdue Applied Research Institute, LLC	
	2022	2021 As Restated	2022	2021
Cash (Used) Provided by Operating Activities	\$ (93,318)	\$ (110,053)	\$ 1,161	-
Cash Provided by Noncapital Financing Activities	111,693	94,759	2,457	-
Cash (Used) Provided by Investing Activities	(32,976)	33	-	-
Cash Used by Capital and Related Financing Activities	(1,383)	(1,734)	(198)	-
<b>Net Increase (Decrease) in Cash and Cash Equivalents</b>	<b>(15,984)</b>	<b>(16,995)</b>	<b>3,420</b>	<b>-</b>
Cash and Cash Equivalents - Beginning of Year	59,963	76,958	-	-
<b>Cash and Cash Equivalents - End of Year</b>	<b>\$ 43,979</b>	<b>\$ 59,963</b>	<b>\$ 3,420</b>	<b>-</b>

## Note 11 — Contingent Liabilities and Commitments

**Legal Actions.** In the normal course of its activities, the University is a party in various legal actions. Although it is involved in a number of claims, the University does not anticipate significant losses or costs. After taking into consideration legal counsel's evaluation of pending actions, the University believes that the outcome thereof will not have a significant impact on the financial statements.

**Construction Projects.** As of June 30, 2022 and 2021, contractual obligations for capital construction projects were approximately \$112,025,000 and \$136,080,000 respectively.

**Natural Gas Procurement.** The University has entered into various forward contracts to purchase natural gas at a specified time in the future at a guaranteed price. This activity allows the University to plan its natural gas costs for the year and to protect itself against an increase in the market price of the commodity. It is possible that the market price before or at the specified time to purchase natural gas may be lower or higher than the price at which the University is committed to buy. This would reduce or increase the value of the contract. The University could sell the forward contract at a loss or gain and then buy natural gas on the open market. The University is also exposed to the failure of the counterparty to fulfill the contract. The terms of the contract include provisions for recovering the cost in excess of the guaranteed price from the counterparty if the counterparty fails to deliver quantity at the guaranteed price at the specified time resulting in the University having to procure natural gas on the open market.



## Note 12 – Risk Management

**Accrued Insurance Liabilities.** The University is exposed to various risks of loss related to torts; theft of, damage to, or destruction of assets; errors or omissions; job-related illnesses or injuries to employees; accident, health, and other medical benefits provided to employees and their dependents; and long-term disability benefits provided to employees. The University handles these risks of loss through combinations of risk retention and commercial insurance. The amount of settlements paid during the last three years did not exceed the insurance coverage for the same time period. There was no significant reduction in insurance coverage during the fiscal year.

For buildings and contents, the University’s risk retention is \$500,000 per occurrence. There is \$2,000,000 retention per occurrence or wrongful act for general, automobile, and professional and educators’ legal liability coverage. The University retains the entire risk for medical benefits. For the fiscal years ended June 30, 2022 and 2021, the maximum liability to the University for job-related illness or injury was \$950,000 per incident, with no maximum annual aggregate liability.

All departments of the University are charged fees based on actuarial estimates of the amounts necessary to pay claims and to establish reserves for catastrophic losses. During the years ended June 30, 2022 and 2021, the University reflected approximately \$88,000 and \$47,000, respectively, of insurance proceeds as non-operating income.

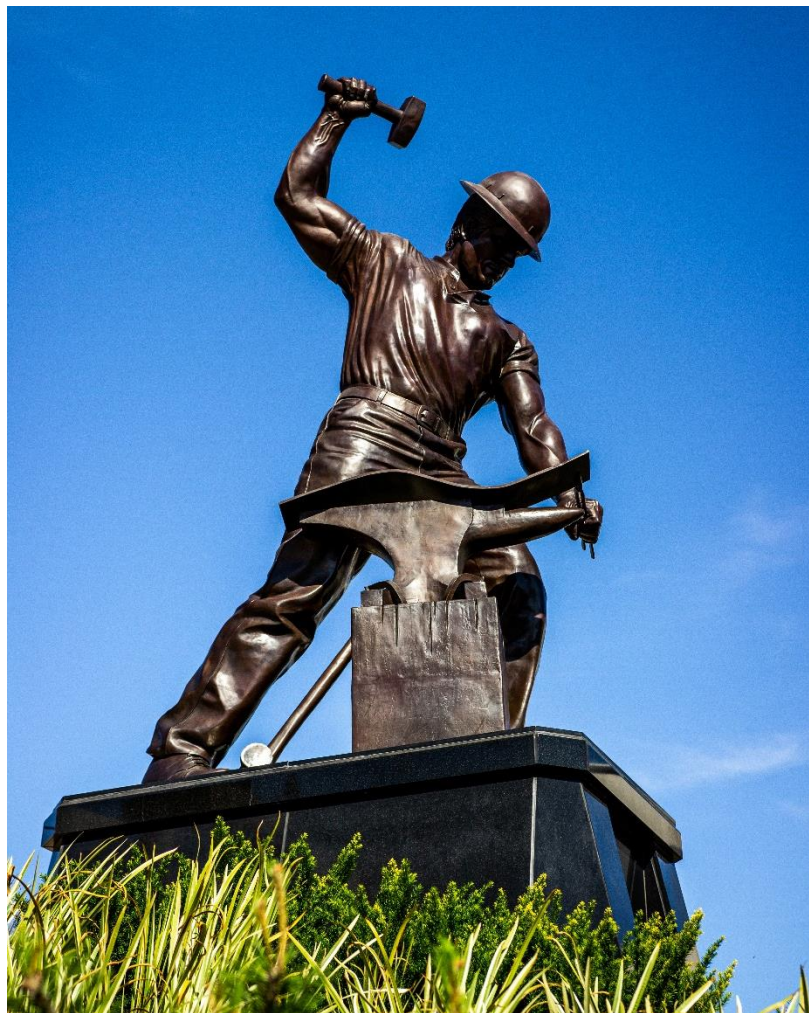
The University accrues liabilities for claims if information indicates that a loss has been incurred as of June 30, and the amount of the loss can reasonably be estimated. Changes in the balances of accrued insurance liabilities were as follows (dollars in thousands):

	<b>June 30, 2022</b>	<b>June 30, 2021</b>	<b>June 30, 2020</b>
<b>Beginning Liability</b>	\$ 23,855	\$ 25,872	\$ 26,081
<b>Claims Incurred</b>	136,359	117,284	137,565
<b>Claims Payments</b>	(136,580)	(119,301)	(137,774)
<b>Ending Liability</b>	<b>\$ 23,634</b>	<b>\$ 23,855</b>	<b>\$ 25,872</b>

## Note 13 – Subsequent Event

On August 12, 2022, Purdue University and Indiana University announced their intention to realign the programs currently offered on the campus of Indiana University-Purdue University at Indianapolis (IUPUI), a campus that Indiana University has operated and managed for 51 years. Under a Memorandum of Understanding approved by the Boards of Trustees of both universities, Indiana University and Purdue will work toward a realignment plan pursuant to which they will each offer and administer their own programs in Indianapolis. Subject to approvals from the Indiana Commission for Higher Education and the Higher Learning Commission, the academic programs offered at IUPUI over which Purdue will now assume direct responsibility—consisting of Engineering, Technology and Computer Science—are expected to begin operations as an additional location of Purdue-West Lafayette in July 2024.

In August 2022, the Purdue Research Foundation purchased Aspire at Discovery Park for \$150,000,000. On the same day, the Purdue Research Foundation and University entered into a Property Management Agreement to facilitate the management of Aspire at Discovery Park. The Purdue Research Foundation expects to sell the property to the University by December 31, 2022.



Required Supplementary Information

SCHEDULE OF CHANGES IN PURDUE'S  
TOTAL OPEB LIABILITY AND RELATED RATIOS

(Dollar amounts in Thousands)

June 30,

	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>
<b>Total OPEB Liability</b>					
Service Cost	\$ 2,656	\$ 1,927	\$ 2,023	\$ 2,290	\$ 2,417
Interest	786	1,150	1,653	1,631	1,416
Changes of benefit terms	-	-	(755)	-	-
Differences between expected and actual experience	(6,081)	634	(2,219)	-	-
Changes of assumptions	454	2,571	(5,252)	(699)	(1,952)
Benefit payments, including refunds of member contributions	<u>(3,657)</u>	<u>(4,879)</u>	<u>(5,530)</u>	<u>(6,112)</u>	<u>(5,567)</u>
<b>Net Change in Total OPEB Liability</b>	<b>\$ (5,842)</b>	<b>1,403</b>	<b>(10,100)</b>	<b>(2,890)</b>	<b>(3,686)</b>
<b>Total OPEB Liability - beginning</b>	<b><u>34,760</u></b>	<b><u>33,357</u></b>	<b><u>43,457</u></b>	<b><u>46,347</u></b>	<b><u>50,033</u></b>
<b>Total OPEB Liability - ending</b>	<b><u>\$ 28,918</u></b>	<b><u>\$ 34,760</u></b>	<b><u>\$ 33,357</u></b>	<b><u>\$ 43,457</u></b>	<b><u>\$ 46,347</u></b>
Covered employee payroll	\$ 826,141	\$ 977,356	\$ 959,487	\$ 939,138	\$ 920,742
Plan total OPEB Liability as a percentage of covered employee payroll	3.5%	3.6%	3.5%	4.6%	5.0%

Notes to Schedule:

Change in Benefits:

- For 2020, deductibles and out-of-pocket maximums increased by various levels in the medical plans. The prescription drug plans added a specialty tier and contact lens allowances were changed.

Changes in Assumptions:

- For 2022, assumption changes reflected annual per capita health care costs were updated based on the University's historical claims and enrollment for the 24-month period ending December 31, 2021 (70% weight on the most recent 12 months). The discount rate has been updated based on the yield for 20-year tax-exempt general obligation municipal bonds as of December 31, 2021 (measurement date). This discount rate is 2.19% as of July 1, 2021. The mortality tables have been updated. Health care trend rates have been updated to an initial rate of 7.5% decreasing by 0.5% annually to an ultimate rate of 4.5% for medical benefits, 4.0% per year for dental benefits, and 3.0% per year for administrative costs.
- For 2021, assumption changes reflected the potential excise tax on plans that exceed certain cost thresholds which was repealed on December 20, 2019. The discount rate decreased to 2.21%.
- For 2020, assumptions reflected the valuation-year per capita health costs and future trend on such costs, updates to the retiree contribution rates to current levels and the assumed future disability and mortality rates were modified. The discount rate was decreased to 3.50%.
- For 2019 the discount rate was increased to 3.87%.
- For 2018 the discount rate was increased to 3.58%.

*The notes to the RSI are an integral part of the RSI.*

**SCHEDULE OF PURDUE'S SHARE OF THE NET PENSION LIABILITY  
INDIANA PUBLIC EMPLOYEE RETIREMENT FUND (PERF HYBRID)  
(Dollar Amounts in Thousands)**

June 30,	Measurement Date as of								
	2021	2020	2019	2018	2017	2016	2015	2014	2013
Proportion of the Net Pension Liability	1.6%	1.6%	1.7%	1.7%	1.8%	1.8%	2.5%	2.8%	3.0%
Proportionate Share of the Net Pension Liability	21,151 \$	49,762 \$	55,779 \$	58,681 \$	78,861 \$	82,044 \$	102,146 \$	74,323 \$	103,102
Covered-employee payroll	88,624 \$	88,943 \$	87,930 \$	88,142 \$	87,693 \$	86,639 \$	120,126 \$	138,081 \$	144,526
Proportionate share of the Net Pension Liability as a percentage of covered-employee payroll	23.9%	55.9%	63.4%	66.6%	89.9%	94.7%	84.8%	53.8%	71.3%
Plan fiduciary net position as a percentage of the total pension liability	92.5%	81.4%	80.1%	78.9%	76.6%	75.3%	77.3%	84.3%	78.8%

**SCHEDULE OF PURDUE'S CONTRIBUTIONS  
INDIANA PUBLIC EMPLOYEE RETIREMENT FUND (PERF HYBRID)  
(Dollar Amounts in Thousands)**

June 30,	Fiscal Year								
	2022	2021	2020	2019	2018	2017	2016	2015	2014
Contractually required contribution	9,926 \$	9,962 \$	9,848 \$	9,872 \$	9,822 \$	9,704 \$	13,431 \$	15,471 \$	13,894
Contributions in relation to the contractually required contribution	9,926 \$	9,962 \$	9,848 \$	9,872 \$	9,822 \$	9,704 \$	13,431 \$	15,471 \$	13,894
Covered-employee payroll	88,624 \$	88,943 \$	87,930 \$	88,142 \$	87,693 \$	86,639 \$	120,126 \$	138,081 \$	144,526
Contributions as a percentage of covered-employee payroll	11.2%	11.2%	11.2%	11.2%	11.2%	11.2%	11.2%	11.2%	9.6%

\*Based on INPRS previous fiscal year audit and report on allocation of pension amounts.

The amounts presented for each fiscal year were determined as of June 30.

**Notes to RSI:**

**Changes of Benefit Terms:** There were no changes of benefit terms for the years presented.

**Changes in Assumptions:**

**FY 2022:**

The investment return assumption was lowered from 6.75% to 6.25%. The inflation assumption changed from 2.25% to 2.00%. The general wage inflation was lowered from 2.75% to 2.65%. Legislation granted a 1.00% cost-of-living adjustment effective January 1, 2022 to be paid from the Supplemental Reserve Account. No supplemental benefits were granted for fiscal year 2023. This replaces the COLA assumption of 0.4% for Fiscal Years 2022 and 2023 but does not change the assumption for future years.

**FY 2021:**

The future salary increase assumption changed from an age-based table ranging from 2.50% to 4.25% to a service-based table ranging from 2.75% to 8.75%.

The mortality assumption changed from the RP-2014 (with MP-2014 improvement removed) Total Data Set Mortality Tables projected on a fully generational basis using the future mortality improvement scale inherent in the mortality projection included in the Social Security Administration's 2014 Trustee Report to the Pub-2010 Public Retirement Plans Mortality Tables with a fully generational projection of mortality improvements using SOA Scale MP-2019. Specific mortality table variants and adjustments are used for different subpopulations.

The retirement assumption was updated based on recent experience and was updated from an age- and service-based table to an age-based table dependent on eligibility for a reduced benefit or unreduced benefit. Additionally, for

actives who are eligible for early retirement (reduced benefit), 30% are now assumed to commence benefits immediately and 70% are assumed to commence benefits at unreduced retirement eligibility. Previously 33% of actives were assumed to commence benefits with early retirement while 67% were assumed to wait for unreduced retirement eligibility.

The termination assumption was updated based on recent experience. For state members the tables were combined from being split by salary and sex to being one unisex service-based table. For members in political subdivisions earning more than \$20,000, the sex-distinct tables were combined to one unisex service-based table. For members in political subdivisions earning less than \$20,000, the sex-distinct age-based table was maintained and the rates were updated based on experience.

The disability assumption was updated based on recent experience.

The marital assumption was updated based on recent experience. 80% of male members and 65% of female members are assumed to be married or to have a dependent beneficiary. Previously, 75% of male members and 60% of female members were assumed to be married or to have a dependent beneficiary.

The load placed on the final average earnings to account for additional wages received upon termination, such as severance pay or unused sick leave, decreased from \$400 to \$200.

**FY 2020:**

None

**FY 2019:**

For the actuarial valuation as of June 30, 2018, the COLA assumption was changed due to passage of Senate Enrolled Act No. 373. In lieu of a 1.0% COLA beginning on January 1, 2020, INPRS assumes the COLA will be replaced by a thirteenth check for 2020 and 2021. The COLA assumption thereafter, would be 0.4% beginning on January 1, 2022, changing to 0.5% beginning on January 1, 2034, and ultimately 0.6% beginning on January 1, 2039.

**FY 2018:**

For the actuarial valuation as of June 30, 2017, an actuarial audit was completed which included updating the following assumptions: adding a load on final average salary of \$400 to reflect unused sick leave accumulated at termination of employment for active and inactive vested members. Additionally, for disabled members, the RP-2014 (with MP-2014 improvement removed) Disability Mortality tables are assumed instead of the RP2014 (with MP-2014 improvement removed) Total Data Set Mortality tables.

**FY 2017:**

None

**FY 2016:**

The inflation assumption changed from 3.00% to 2.25% per year.

The future salary increase assumption changed from an age-based table ranging from 3.25% to 4.50% to an age-based table ranging from 2.50% to 4.25%.

The mortality assumption changed from the 2013 IRS Static Mortality projected five (5) years with Scale AA to the RP-2014 (with MP-2014 improvement removed) Total Data Set Mortality Tables projected on a fully generational basis using the future mortality improvement scale inherent in the mortality projection included in the Social Security Administration's 2014 Trustee Report.

The retirement assumption was updated based on recent experience. Additionally, for actives who are eligible for early retirement (reduced benefit), 33% are assumed to commence benefits immediately and 67% are assumed to commence benefits at unreduced retirement eligibility. 100% of actives were assumed to commence benefits immediately upon early retirement eligibility in the prior year.

The termination assumption was updated based on recent experience. For members earning less than \$20,000, the tables were updated from a select and ultimate table to just an ultimate table as there is little correlation with service. For members earning more than \$20,000, the tables were updated from using a 5-year select period to a 10-year select period to correspond with the vesting schedule.

The disability assumption was updated based on recent experience.

The ASA Annuitization assumption was updated from 50% of members assumed to annuitize their ASA balance to 60% of members assumed to annuitize their ASA balance prior to January 1, 2017.

**FY 2015:**

Assumptions concerning ASA withdrawal and annuitization were added pursuant to the addition of IC 5 -10.5-4-2.5 and 2.6 in accordance with the 2014 House Enrolled Act No. 1075.

All other assumptions are the same as the June 30, 2013 valuation.

*The notes to the RSI are an integral part of the RSI.*



## Required Supplementary Information

### Schedule of Changes in Net Pension Liability (Asset) and Related Ratios

#### Purdue Police and Fire Supplemental Pension Plan

(Dollar Amounts in Thousands)

June 30,

	2022	2021	2020	2019	2018	2017	2016	2015	2014
<b>Total pension liability</b>									
Service cost	\$ 1,066	\$ 954	\$ 815	\$ 875	\$ 862	\$ 837	\$ 812	\$ 780	\$ 767
Interest	2,148	3,221	1,954	3,814	3,672	398	1,804	3,462	2,389
Differences between expected and actual experience	(6)	(1,999)	31	(2,571)	(2,051)	1,191	(522)	(2,123)	(1,739)
Changes of assumptions	697	6,145	1,510	(1,281)	(207)	(14)	440	47	45
Benefit payments, including refunds of contributions	(1,470)	(1,419)	(1,409)	(1,317)	(1,278)	(1,289)	(1,172)	(1,049)	(1,011)
<b>Net change in total pension liability</b>	2,435	6,902	2,901	(480)	998	1,123	1,362	1,117	451
<b>Total pension liability - beginning</b>	41,703	34,801	31,900	32,380	31,382	30,259	28,897	27,780	27,329
<b>Total pension liability - ending (a)</b>	\$ 44,138	\$ 41,703	\$ 34,801	\$ 31,900	\$ 32,380	\$ 31,382	\$ 30,259	\$ 28,897	\$ 27,780
<b>Plan fiduciary net position</b>									
Contributions - employer	\$ -	\$ 19	\$ 268	\$ 738	\$ 528	\$ 725	\$ 1,068	\$ 1,307	\$ 1,166
Contributions - employee	189	177	179	157	158	167	158	155	159
Net investment income	11,471	3,420	2,245	3,851	3,590	380	1,751	3,243	2,057
Benefit payments, including refunds of contributions	(1,470)	(1,419)	(1,409)	(1,317)	(1,278)	(1,289)	(1,172)	(1,049)	(1,011)
<b>Net change in plan fiduciary net position</b>	10,190	2,197	1,283	3,429	2,998	(17)	1,805	3,656	2,371
<b>Plan fiduciary net position - beginning</b>	41,160	38,963	37,680	34,251	31,253	31,270	29,465	25,809	23,438
<b>Plan fiduciary net position - ending (b)</b>	\$ 51,350	\$ 41,160	\$ 38,963	\$ 37,680	\$ 34,251	\$ 31,253	\$ 31,270	\$ 29,465	\$ 25,809
<b>Net pension liability (asset) ending (a) - (b)</b>	\$ (7,212)	\$ 543	\$ (4,162)	\$ (5,780)	\$ (1,871)	\$ 129	\$ (1,011)	\$ (568)	\$ 1,971

## Required Supplementary Information

### Schedule of Net Pension Liability (Asset) and Related Ratios

#### Purdue Police and Fire Supplemental Pension Plan

(Dollar Amounts in Thousands)

June 30,

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Net Pension Liability (Asset)	\$ (7,212)	\$ 543	\$ (4,162)	\$ (5,780)	\$ (1,871)	\$ 129	\$ (1,011)	\$ (568)	\$ 1,971	\$ 3,891
Covered Employee Payroll	\$ 6,376	\$ 6,453	\$ 6,887	\$ 6,060	\$ 5,612	\$ 6,493	\$ 5,816	\$ 5,803	\$ 5,611	\$ 5,648
Pension Liability (Asset) as a percentage of covered payroll	-113.1%	8.4%	-60.4%	-95.4%	-33.3%	2.0%	-17.4%	-9.8%	35.1%	68.9%

### Schedule of Contributions

#### Purdue Police and Fire Supplemental Pension Plan

(Dollar Amounts in Thousands)

June 30,

	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013
Contractually required contribution	\$ -	\$ -	\$ -	\$ -	\$ 77	\$ 790	\$ 483	\$ 585	\$ 1,030	\$ 1,286
Contributions made	\$ -	\$ -	\$ 20	\$ 268	\$ 738	\$ 528	\$ 725	\$ 1,068	\$ 1,307	\$ 1,166
Contribution deficiency (surplus)	\$ (1,513)	\$ (1,513)	\$ (1,513)	\$ (1,493)	\$ (1,225)	\$ (564)	\$ (826)	\$ (584)	\$ (101)	\$ 176
Covered Employee Payroll	\$ 6,376	\$ 6,453	\$ 6,887	\$ 6,060	\$ 5,612	\$ 6,493	\$ 5,816	\$ 5,803	\$ 5,611	\$ 5,648
Contributions as a percentage of covered employee payroll	0.0%	0.0%	0.3%	4.4%	13.2%	8.1%	12.5%	18.4%	23.3%	20.6%

\*Actuarial data for 2022 was not available at the time of this report.

Notes to Purdue Police and Fire Supplemental Pension Plan Schedule:

	<u>2022</u>	<u>2021</u>	<u>2020</u>	<u>2019</u>	<u>2018</u>	<u>2017</u>	<u>2016</u>
Valuation Date	July 1, 2021	July 1, 2020	July 1, 2019	July 1, 2018	July 1, 2017	July 1, 2016	July 1, 2015
Actuarial Cost Method	Projected Unit Credit						
Interest Discount Rate	5.25%	5.25%	6.00%	6.25%	6.25%	6.25%	6.25%
Cost of Living Increases	2.25%	2.25%	2.25%	2.25%	3.00%	3.00%	3.00%
Salary Scale	3.00%	2.50%	2.50%	2.50%	2.50%	2.50%	2.00%
Mortality	Pub-2010 Public Retirement Plans Mortality for Safety Employees Table (PubS-2010) with generational improvements projected under Scale MP-2021, MP-2020, MP-2019, MP-2018						
Pre-Retirement	PubS-2010 generational table for non-annuitants projected with Scale MP-2021, MP-2020 and MP-2019						
Post-Retirement	PubS-2010 generational table for annuitants projected with Scale MP-2021, MP-2020, MP-2019, MP-2018, MP-2017, MP-2016 and MP-2015						

*The notes to the RSI are an integral part of the RSI.*



## Total In-State Enrollment by County

### Fall, 2021-22 Academic Year

The overall (in-state and out-of-state) enrollment at Purdue University was 67,439 students for the 2021-22 fall semester. The breakdown was West Lafayette, 49,639, Northwest, 8,794, Fort Wayne, 8,298, Statewide Technology, 708. Enrollment numbers do not include 5,638 Purdue University students at Indiana University-Purdue University Indianapolis. Although students came to Purdue from all over the world, 53% system-wide came from within Indiana.



County	Statewide				County	Statewide				County	Statewide			
	West Lafayette	Regional Campuses	Technology Locations	Total		West Lafayette	Regional Campuses	Technology Locations	Total		West Lafayette	Regional Campuses	Technology Locations	Total
Adams	64	307	-	371	Henry	81	9	10	100	Posey	46	-	-	46
Allen	960	3,938	-	4,898	Howard	233	37	49	319	Pulaski	49	16	-	65
Bartholomew	297	10	43	350	Huntington	70	279	1	350	Putnam	73	1	-	74
Benton	96	4	4	104	Jackson	98	3	7	108	Randolph	33	8	7	48
Blackford	18	6	-	24	Jasper	150	150	-	300	Ripley	61	1	3	65
Boone	669	9	2	680	Jay	25	10	-	35	Rush	27	1	2	30
Brown	31	4	5	40	Jefferson	41	4	3	48	Scott	18	1	7	26
Carroll	109	4	9	122	Jennings	21	6	6	33	Shelby	82	6	2	90
Cass	124	7	7	138	Johnson	492	18	8	518	Spencer	43	-	1	44
Clark	132	5	53	190	Knox	37	1	4	42	St Joseph	733	160	45	938
Clay	31	1	-	32	Kosciusko	212	275	-	487	Starke	27	54	-	81
Clinton	163	10	11	184	La Porte	291	580	1	872	Steuben	65	97	-	162
Crawford	2	1	2	5	Lagrange	42	147	-	189	Sullivan	29	1	1	31
Daviess	42	1	1	44	Lake	1,416	4,712	3	6,131	Switzerland	5	-	-	5
De Kalb	56	290	-	346	Lawrence	80	9	-	89	Tippecanoe	2,489	70	90	2,649
Dearborn	94	4	1	99	Madison	204	23	27	254	Tipton	51	2	11	64
Decatur	69	4	6	79	Marion	1,842	164	14	2,020	Union	16	2	3	21
Delaware	109	19	13	141	Marshall	134	37	8	179	Vanderburgh	240	9	2	251
Dubois	106	1	1	108	Martin	13	1	1	15	Vermillion	15	3	-	18
Elkhart	376	162	11	549	Miami	69	51	10	130	Vigo	127	11	-	138
Fayette	31	2	5	38	Monroe	202	16	1	219	Wabash	70	86	-	156
Floyd	148	9	36	193	Montgomery	142	2	-	144	Warren	41	-	-	41
Fountain	82	2	-	84	Morgan	132	7	1	140	Warrick	139	6	2	147
Franklin	95	-	3	98	Newton	54	61	1	116	Washington	26	1	9	36
Fulton	49	65	1	115	Noble	84	284	-	368	Wayne	88	4	23	115
Gibson	59	2	5	66	Ohio	7	1	-	8	Wells	77	272	-	349
Grant	105	38	7	150	Orange	32	1	-	33	White	166	13	5	184
Greene	40	1	1	42	Owen	25	1	-	26	Whiteley	66	339	-	405
Hamilton	2,791	88	22	2,901	Parke	21	1	2	24	Unknown	550	271	1	822
Hancock	417	25	11	453	Perry	14	1	4	19	<b>Total</b>	<b>20,639</b>	<b>14,624</b>	<b>659</b>	<b>35,922</b>
Harrison	45	2	16	63	Pike	9	1	2	12					
Hendricks	826	29	4	859	Porter	678	1,247	2	1,927					

## **ACKNOWLEDGEMENTS**

The following staff members of the Treasurer's Office prepared the 2021-2022 Financial Report.

**Kathleen E. Thomason**, *Comptroller*

**Tamara K. Carpenter**, *Accountant*

**Carrie M. Lohmeyer**, *Report Accountant*

**Rebecca L. Miller**, *Senior Accounting Operations Manager*

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**Katherine L. Vanderwall**, *Assistant Comptroller Accounting and Reporting*

**Shannel M. Whitus**, *Accounting Manager*

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Purdue University

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**Federal Awards Supplemental Information**  
**June 30, 2022**

**Independent Auditor's Reports**

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

**Independent Auditor's Report**

To the Board of Trustees  
Purdue University

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

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

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

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

*Plante & Moran, PLLC*

March 7, 2023

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

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

To Management and the Board of Trustees  
Purdue University

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

#### **Report on Internal Control Over Financial Reporting**

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

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

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

#### **Report on Compliance and Other Matters**

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

To Management and the Board of Trustees  
Purdue University

**Purpose of This Report**

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

*Plante & Moran, PLLC*

October 26, 2022

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

**Independent Auditor's Report**

To the Board of Trustees  
Purdue University

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

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

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

In our opinion, the University complied, in all material respects, with the compliance requirements referred to above that could have a direct and material effect on each of the major federal programs for the year ended June 30, 2022.

***Basis for Opinion on Each Major Federal Program***

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

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

***Responsibilities of Management for Compliance***

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

To the Board of Trustees  
Purdue University

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

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

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

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

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

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

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

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

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

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

To the Board of Trustees  
Purdue University

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

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

*Plante & Moran, PLLC*

March 7, 2023

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

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

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

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

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

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

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

Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	ALN	ALN Program Title	Federal Expenditures	Subrecipient Expenditures
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	NOVATEUR RESEARCH SOLUTIONS LLC	2019-33610-30180	10.212	Small Business Innovation Research	16,549	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	NUTRAMAIZE	80542	10.212	Small Business Innovation Research	614	0
					<b>Total - 10,212</b>		<b>17,163</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	CENTRAL STATE UNIVERSITY	8551-01	10.215	Sustainable Agriculture Research and Education	6,749	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H006607403	10.215	Sustainable Agriculture Research and Education	370	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H006607404	10.215	Sustainable Agriculture Research and Education	15,168	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H006607431	10.215	Sustainable Agriculture Research and Education	2,995	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H007179315	10.215	Sustainable Agriculture Research and Education	50,704	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H007813943	10.215	Sustainable Agriculture Research and Education	918	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H008334008	10.215	Sustainable Agriculture Research and Education	10,293	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H008334013	10.215	Sustainable Agriculture Research and Education	7,193	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H008568305	10.215	Sustainable Agriculture Research and Education	33,436	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H008917105	10.215	Sustainable Agriculture Research and Education	72,553	11,026
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H008917109	10.215	Sustainable Agriculture Research and Education	57,209	38,286
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H008917112	10.215	Sustainable Agriculture Research and Education	92,913	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H008917120	10.215	Sustainable Agriculture Research and Education	9,962	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	H009277408	10.215	Sustainable Agriculture Research and Education	1,990	0
					<b>Total - 10,215</b>		<b>362,453</b>	<b>49,312</b>
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	LANGSTON UNIVERSITY	2017-38821-26445	10.216	1890 Institution Capacity Building Grants	31,937	0
Research and Development Cluster	U.S. Department of Agriculture	Direct			10.217	Higher Education Challenge Grants	159,502	63,789
Research and Development Cluster	U.S. Department of Agriculture	Direct			10.219	Biotechnology Risk Assessment Research	62,287	8,230
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	RICE UNIVERSITY	R19322	10.219	Biotechnology Risk Assessment Research	396	0
					<b>Total - 10,219</b>		<b>62,683</b>	<b>8,230</b>
Research and Development Cluster	U.S. Department of Agriculture	Direct			10.250	Agricultural and Rural Economic Research	120,271	0
Research and Development Cluster	U.S. Department of Agriculture	Direct			10.253	Consumer Data and Nutrition Research	21,330	0
Research and Development Cluster	U.S. Department of Agriculture	Direct			10.290	Agricultural Market and Economic Research	54,965	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	VIRGINIA POLYTECHNIC INST & STATE UNIV	423634-19084	10.290	Agricultural Market and Economic Research	42,939	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	9500105314	10.290	Agricultural Market and Economic Research	51,286	0
					<b>Total - 10,290</b>		<b>149,190</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Agriculture	Direct			10.303	Integrated Programs	499,769	63,173

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

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

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

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

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Research and Development Cluster	U.S. Department of Agriculture	Direct			10.777	Norman E. Borlaug International Agricultural Science and Technology Fellowship	6,488	0
Research and Development Cluster	U.S. Department of Agriculture	Direct			10.902	Soil and Water Conservation	192,866	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF ILLINOIS	101917-18195	10.902	Soil and Water Conservation	71,184	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF WISCONSIN	144-AA4597	10.902	Soil and Water Conservation	75,828	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	NATURE CONSERVANCY, THE	2041-0025	10.902	Soil and Water Conservation	49,188	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	IN ASSOC OF SOIL & WATER CONSERV DIST	21014457	10.902	Soil and Water Conservation	36,658	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	AMER SOC OF AG & BIO ENGINEERS	NR183A750007C006	10.902	Soil and Water Conservation	12,083	0
					<b>Total - 10.902</b>		<b>437,827</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Agriculture	Direct			10.903	Soil Survey	34,707	3,551
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF ILLINOIS	103926-18438	10.912	Environmental Quality Incentives Program	5,454	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	BROOKSIDE LABORATORIES, INC	20013295	10.912	Environmental Quality Incentives Program	10,868	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF MINNESOTA	A008715101	10.912	Environmental Quality Incentives Program	17,597	0
					<b>Total - 10.912</b>		<b>33,919</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	AMERICAN FARMLAND TRUST	21089769	10.913	Farm and Ranch Lands Protection Program	59,623	0
Research and Development Cluster	U.S. Department of Agriculture	Pass-Through	MICHIGAN STATE UNIVERSITY	RC111953-PU	10.960	Technical Agricultural Assistance	24,008	0
Research and Development Cluster	U.S. Department of Agriculture	Direct			10.961	Scientific Cooperation and Research	20,020	0
Research and Development Cluster	U.S. Department of Agriculture	Direct		E17-19	10.RD	U.S. Department of Agriculture	21,017	0
Research and Development Cluster	<b>Total - U.S. Department of Agriculture</b>						<b>22,585,800</b>	<b>1,102,552</b>
Research and Development Cluster	U.S. Department of Commerce	Direct			11.001	Census Bureau Data Products	4,583	0
Research and Development Cluster	U.S. Department of Commerce	Direct			11.020	Cluster Grants	56,664	0
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	ECONOMIC DEVELOPMENT ADMINISTRATION	ED21HDQ3070043	11.307	Economic Adjustment Assistance	355,177	0
Research and Development Cluster	U.S. Department of Commerce	Direct			11.417	Sea Grant Support	397,648	252,471
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	MISSISSIPPI STATE UNIVERSITY	016200.320565.05	11.417	Sea Grant Support	3,858	0
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	UNIVERSITY OF MINNESOTA	D007941107	11.417	Sea Grant Support	34,752	0
					<b>Total - 11.417</b>		<b>436,258</b>	<b>252,471</b>
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT #46760	11.419	Coastal Zone Management Administration Awards	421	0
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	UNIVERSITY OF OKLAHOMA	2021-53	11.432	Office of Oceanic and Atmospheric Research (OAR) Joint and Cooperative Institute	20,366	0
Research and Development Cluster	U.S. Department of Commerce	Direct			11.459	Weather and Air Quality Research	95,110	0
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	TEXAS TECH UNIVERSITY	21B053-03	11.459	Weather and Air Quality Research	11,511	0
					<b>Total - 11.459</b>		<b>106,621</b>	<b>0</b>

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Research and Development Cluster	U.S. Department of Commerce	Direct			11.609	Measurement and Engineering Research and Standards	2,032,068	1,094,655
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	STONY BROOK UNIVERSITY	86272/2/1157293	11.609	Measurement and Engineering Research and Standards	70,176	0
					<b>Total - 11,609</b>		<b>2,102,244</b>	<b>1,094,655</b>
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	NATNL INST FOR INNOVATION IN MF BIO	PC 2.1-001	11.619	Arrangements for Interdisciplinary Research Infrastructure	-172	0
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	NATNL INST FOR INNOVATION IN MF BIO	PC4.1-307	11.619	Arrangements for Interdisciplinary Research Infrastructure	26,301	0
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	UNIVERSITY OF DELAWARE	UDR0000032 ARP-18	11.619	Arrangements for Interdisciplinary Research Infrastructure	347,845	0
Research and Development Cluster	U.S. Department of Commerce	Pass-Through	UNIVERSITY OF DELAWARE	UDR0000116 ARP-11	11.619	Arrangements for Interdisciplinary Research Infrastructure	98,637	0
					<b>Total - 11,619</b>		<b>472,611</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Commerce	Direct		1305M320PNRMA0628	11.RD	U.S. Department of Commerce	45,951	0
Research and Development Cluster	<b>Total - U.S. Department of Commerce</b>						<b>3,600,896</b>	<b>1,347,126</b>
Research and Development Cluster	U.S. Department of Defense	Pass-Through	TEXAS A&M AGRILIFE RESEARCH	M2200866	12.005	Conservation and Rehabilitation of Natural Resources on Military Installations	30,310	0
Research and Development Cluster	U.S. Department of Defense	Direct			12.006	National Defense Education Program	242,092	8,306
Research and Development Cluster	U.S. Department of Defense	Direct			12.300	Basic and Applied Scientific Research	16,520,650	4,161,126
Research and Development Cluster	U.S. Department of Defense	Pass-Through	GEORGIA STATE UNIVERSITY	SP00012914-02	12.300	Basic and Applied Scientific Research	2,006	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF CALIFORNIA - BERKELEY	00010541	12.300	Basic and Applied Scientific Research	18,979	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	CORNELL UNIVERSITY	137850-20943	12.300	Basic and Applied Scientific Research	75,456	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF CONNECTICUT	163164	12.300	Basic and Applied Scientific Research	234,905	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	GUIDED PARTICLE SYSTEMS, INC	21036153	12.300	Basic and Applied Scientific Research	12,812	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	P. C. KRAUSE AND ASSOCIATES, INC.	21089777	12.300	Basic and Applied Scientific Research	42,368	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF PENNSYLVANIA	572339	12.300	Basic and Applied Scientific Research	104,096	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	CORNELL UNIVERSITY	81424-10839	12.300	Basic and Applied Scientific Research	25	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	TEXAS A&M AGRILIFE RESEARCH	M1901497	12.300	Basic and Applied Scientific Research	50,137	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF TENNESSEE SPACE INSTITUTE	N00164-20-2008-PURDUE	12.300	Basic and Applied Scientific Research	48,489	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	FLORIDA STATE UNIVERSITY	R000002831	12.300	Basic and Applied Scientific Research	122,308	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	FLORIDA STATE UNIVERSITY	R000002979	12.300	Basic and Applied Scientific Research	1,898	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	FLORIDA STATE UNIVERSITY	R01850	12.300	Basic and Applied Scientific Research	-3,649	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	FLORIDA STATE UNIVERSITY	R02119	12.300	Basic and Applied Scientific Research	12,094	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00014010-01	12.300	Basic and Applied Scientific Research	234,396	0
					<b>Total - 12,300</b>		<b>17,476,970</b>	<b>4,161,126</b>
Research and Development Cluster	U.S. Department of Defense	Direct			12.351	Basic Scientific Research - Combating Weapons of Mass Destruction	-14,051	0

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Research and Development Cluster	U.S. Department of Defense	Direct			12.420	Military Medical Research and Development	1,463,382	106,283
Research and Development Cluster	U.S. Department of Defense	Pass-Through	COLUMBIA UNIVERSITY	1(GG015390-01)	12.420	Military Medical Research and Development	36,551	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	SOUTHERN ILLINOIS UNIVERSITY	19-02	12.420	Military Medical Research and Development	63	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF CALIFORNIA-IRVINE	2021-1581	12.420	Military Medical Research and Development	109,557	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	HENRY M JACKSON FOUNDATION	5782	12.420	Military Medical Research and Development	37,744	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	INDIANA UNIVERSITY	9176-PU	12.420	Military Medical Research and Development	50,691	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF KANSAS	FY2019-115	12.420	Military Medical Research and Development	57,516	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	THE GENEVA FOUNDATION	S-1424-02	12.420	Military Medical Research and Development	76,147	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	CALIFORNIA INSTITUTE OF TECHNOLOGY	S374892	12.420	Military Medical Research and Development	234	0
					<b>Total - 12,420</b>		<b>1,831,885</b>	<b>106,283</b>
Research and Development Cluster	U.S. Department of Defense	Direct			12.431	Basic Scientific Research	16,361,341	5,164,220
Research and Development Cluster	U.S. Department of Defense	Pass-Through	BROWN UNIVERSITY	00001603	12.431	Basic Scientific Research	34,544	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	WORCESTER POLYTECHNIC INSTITUTE	10900-GR	12.431	Basic Scientific Research	93,064	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	GEORGIA TECH	AWD-101190-G4	12.431	Basic Scientific Research	1,321	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	YALE UNIVERSITY	CON-80003444(GR115165)	12.431	Basic Scientific Research	137,401	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	BAE SYSTEMS ADVANCED TECHNOLOGIES, INC.	PO# CCD-063020-01-CLC	12.431	Basic Scientific Research	43,093	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00010157	12.431	Basic Scientific Research	157,948	0
					<b>Total - 12,431</b>		<b>16,828,712</b>	<b>5,164,220</b>
Research and Development Cluster	U.S. Department of Defense	Direct			12.630	Basic, Applied, and Advanced Research in Science and Engineering	81,734	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	CONTINUOUS SOLUTIONS	20090760	12.630	Basic, Applied, and Advanced Research in Science and Engineering	194,603	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF DELAWARE	56869	12.630	Basic, Applied, and Advanced Research in Science and Engineering	-1,018	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF DELAWARE	UDR0000009	12.630	Basic, Applied, and Advanced Research in Science and Engineering	59,864	0
					<b>Total - 12,630</b>		<b>335,183</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Defense	Direct			12.800	Air Force Defense Research Sciences Program	7,186,717	1,095,370
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UES INC.	119-003-002	12.800	Air Force Defense Research Sciences Program	53,832	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	PRESIDENT & FELLOWS OF HARVARD	130427-5114548	12.800	Air Force Defense Research Sciences Program	128,783	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF SOUTHERN CALIFORNIA	136712590	12.800	Air Force Defense Research Sciences Program	269,612	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF TULSA	14-2-12-153426-66019	12.800	Air Force Defense Research Sciences Program	15,374	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF CALIFORNIA-IRVINE	2020-1389	12.800	Air Force Defense Research Sciences Program	70,871	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	3004428167	12.800	Air Force Defense Research Sciences Program	32,159	0

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

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

\* denotes major programs

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

\* denotes major programs

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

\* denotes major programs

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

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Research and Development Cluster	U.S. Department of Defense	Pass-Through	SPECTRAL ENERGIES, LLC	SB2114-001-1	12.RD	U.S. Department of Defense	30,707	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	SOAR TECHNOLOGY, INC	SC-21-015	12.RD	U.S. Department of Defense	27,029	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	STEEL FOUNDERS SOCIETY OF AMER	SPI009	12.RD	U.S. Department of Defense	139,817	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	BAE SYSTEMS ADVANCED TECHNOLOGIES, INC.	SUB NO. 1146893	12.RD	U.S. Department of Defense	2,293	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	HONEYWELL INC.	SUB10193	12.RD	U.S. Department of Defense	183,897	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	GALOIS, INC	SUBCONTRACT NO. 2019-012	12.RD	U.S. Department of Defense	172,132	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00011570	12.RD	U.S. Department of Defense	286,236	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	TORCH TECHNOLOGIES	T19S053-0339	12.RD	U.S. Department of Defense	-127	0
Research and Development Cluster	U.S. Department of Defense	Pass-Through	TRITON SYSTEMS, INC	TSI-2708-21-20203271	12.RD	U.S. Department of Defense	9,227	0
					<b>Total - 12.RD</b>		<b>17,421,978</b>	<b>1,108,503</b>
Research and Development Cluster	<b>Total - U.S. Department of Defense</b>						<b>68,122,440</b>	<b>12,463,373</b>
Research and Development Cluster	Housing & Urban Development	Pass-Through	VIRGINIA TECH	451625-19084	14.906	Healthy Homes Technical Studies Grants	-17,356	0
Research and Development Cluster	<b>Total - Housing &amp; Urban Development</b>						<b>-17,356</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Interior	Direct			15.246	BLM CA Threatened and Endangered Species	93,168	0
Research and Development Cluster	U.S. Department of Interior	Direct			15.506	Water Desalination Research and Development Program	100,307	26,798
Research and Development Cluster	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT #60805	15.605	Sport Fish Restoration	29,149	0
Research and Development Cluster	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT #27739	15.611	Wildlife Restoration	320,651	0
Research and Development Cluster	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT #47460	15.611	Wildlife Restoration	76,895	0
Research and Development Cluster	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT #48711	15.611	Wildlife Restoration	197,400	8,800
Research and Development Cluster	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT NO 52496	15.611	Wildlife Restoration	16,119	0
Research and Development Cluster	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	GRANT #46038	15.611	Wildlife Restoration	46,918	0
Research and Development Cluster	U.S. Department of Interior	Pass-Through	TEXAS A&M AGRILIFE RESEARCH	M1901198	15.611	Wildlife Restoration	11,775	0
					<b>Total - 15.611</b>		<b>669,758</b>	<b>8,800</b>
Research and Development Cluster	U.S. Department of Interior	Pass-Through	BALL STATE UNIVERSITY	19100472	15.629	Great Apes Conservation Fund	3,181	0
Research and Development Cluster	U.S. Department of Interior	Pass-Through	TOLEDO ZOO AND AQUARIUM	18112181	15.634	State Wildlife Grants	5,065	0
Research and Development Cluster	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	CONTRACT ID 23557	15.634	State Wildlife Grants	55,733	0
Research and Development Cluster	U.S. Department of Interior	Pass-Through	IN DEPARTMENT OF NATURAL RESOURCES	GRANT: 00035792	15.634	State Wildlife Grants	185,157	0
					<b>Total - 15.634</b>		<b>245,955</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Interior	Direct			15.678	Cooperative Ecosystem Studies Units	21,121	0
Research and Development Cluster	U.S. Department of Interior	Direct			15.805	Assistance to State Water Resources Research Institutes	292,901	174,211

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Research and Development Cluster	U.S. Department of Interior	Direct			15.808	U.S. Geological Survey_ Research and Data Collection	96,197	0
Research and Development Cluster	U.S. Department of Interior	Pass-Through	AMERICAVIEW INC	AV18-IN-01	15.815	National Land Remote Sensing_Education Outreach and Research	37,688	0
Research and Development Cluster	U.S. Department of Interior	Direct			15.945	Cooperative Research and Training Programs Resources of the National Park Syst	23,498	0
Research and Development Cluster	U.S. Department of Interior	Direct		140G0220F0338	15.RD	U.S. Department of Interior	16,926	0
Research and Development Cluster	U.S. Department of Interior	Direct		140G0221F0033	15.RD	U.S. Department of Interior	7,035	0
Research and Development Cluster	U.S. Department of Interior	Direct		140G0320P0193	15.RD	U.S. Department of Interior	6,309	0
Research and Development Cluster	U.S. Department of Interior	Direct		140G0320P0213	15.RD	U.S. Department of Interior	10,308	0
Research and Development Cluster	U.S. Department of Interior	Direct		140R8121P0002	15.RD	U.S. Department of Interior	16,043	0
Research and Development Cluster	U.S. Department of Interior	Direct		20123468	15.RD	U.S. Department of Interior	3,350	0
Research and Development Cluster	U.S. Department of Interior	Direct		DSC-21007	15.RD	U.S. Department of Interior	8,314	0
Research and Development Cluster	U.S. Department of Interior	Direct		P103716-A106153	15.RD	U.S. Department of Interior	477	0
					<b>Total - 15.RD</b>		<b>68,762</b>	<b>0</b>
Research and Development Cluster	<b>Total - U.S. Department of Interior</b>						<b>1,681,685</b>	<b>209,809</b>
Research and Development Cluster	U.S. Department of Justice	Direct			16.543	Missing Children's Assistance	116,475	0
Research and Development Cluster	U.S. Department of Justice	Direct			16.560	National Institute of Justice Research, Evaluation, and Development Project Gran	1,047,612	487,173
Research and Development Cluster	U.S. Department of Justice	Direct			16.752	Economic, High-Tech, and Cyber Crime Prevention	42,341	0
Research and Development Cluster	<b>Total - U.S. Department of Justice</b>						<b>1,206,428</b>	<b>487,173</b>
Research and Development Cluster	U.S. Department of Labor	Direct			17.502	Occupational Safety and Health_Susan Harwood Training Grants	41,874	0
Research and Development Cluster	<b>Total - U.S. Department of Labor</b>						<b>41,874</b>	<b>0</b>
Research and Development Cluster	U.S. Department of State	Pass-Through	CRDF GLOBAL	G-202105-67839	19.878	EUR-Other	3,258	0
Research and Development Cluster	U.S. Department of State	Pass-Through	THE HASHEMITE UNIVERSITY	22057321	19.RD	U.S. Department of State	24,785	0
Research and Development Cluster	<b>Total - U.S. Department of State</b>						<b>28,043</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Transportation	Direct			20.109	Air Transportation Centers of Excellence	988,497	0
Research and Development Cluster	U.S. Department of Transportation	Direct			20.200	Highway Research & Development Program	453,288	202,349
Research and Development Cluster	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	20122693	20.200	Highway Research & Development Program	22,070	0
Research and Development Cluster	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	2019-2020 APPROPRIATION	20.200	Highway Research & Development Program	118,965	0
Research and Development Cluster	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	2042	20.200	Highway Research & Development Program	4,574	0
Research and Development Cluster	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	21090504	20.200	Highway Research & Development Program	116,553	0
Research and Development Cluster	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	21101963	20.200	Highway Research & Development Program	65,000	0
Research and Development Cluster	U.S. Department of Transportation	Pass-Through	IN DEPARTMENT OF TRANSPORTATION	22101424	20.200	Highway Research & Development Program	20,030	0

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

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

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

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

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

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Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	PLANETARY SCIENCE INSTITUTE	1612-PU	43.001	Science	44,328	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	JET PROPULSION LABORATORY	1657892	43.001	Science	18,235	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	JET PROPULSION LABORATORY	1681089	43.001	Science	22,639	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	UNIVERSITY OF CENTRAL FLORIDA	66016A16	43.001	Science	59,352	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	UNIVERSITY OF ALABAMA	A20-0041-S001	43.001	Science	14,436	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	UNIVERSITY OF MISSOURI-COLUMBIA	C00077406-1	43.001	Science	72,955	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	G00-21089X	43.001	Science	12,046	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	TEXAS A&M UNIVERSITY	M1900178	43.001	Science	60,213	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	UNIVERSITY OF CALIFORNIA-RIVERSIDE	S-001435	43.001	Science	83,737	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S5011	43.001	Science	19,963	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	UNIVERSITY OF TEXAS AT AUSTIN	UTA22-000021	43.001	Science	2,768	0
					<b>Total - 43.001</b>		<b>3,498,478</b>	<b>559,382</b>
Research and Development Cluster	National Aeronautics & Space Administration	Direct			43.002	Aeronautics	419,444	124,238
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	NORTH CAROLINA A & T UNIVERSITY	220072B	43.002	Aeronautics	420,262	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710003954	43.002	Aeronautics	16,373	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	GEORGIA INSTITUTE OF TECHNOLOGY	AWD-100719-G2	43.002	Aeronautics	1,431	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	UNIVERSITY OF TEXAS AT AUSTIN	UTA21-000384	43.002	Aeronautics	118,147	0
					<b>Total - 43.002</b>		<b>975,657</b>	<b>124,238</b>
Research and Development Cluster	National Aeronautics & Space Administration	Direct			43.003	Exploration	30,948	0
Research and Development Cluster	National Aeronautics & Space Administration	Direct			43.007	Space Operations	240,333	26,219
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	NATIONAL INSTITUTE OF AEROSPACE	C20-202023-PU	43.008	Education	-4,207	0
Research and Development Cluster	National Aeronautics & Space Administration	Direct			43.012	Space Technology	4,335,635	1,160,397
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	UNIVERSITY OF PUERTO RICO - SAN JUAN	2021-000053	43.012	Space Technology	-2,705	0
Research and Development Cluster	National Aeronautics & Space Administration	Pass-Through	RENSELAER POLYTECHNIC INSTITUTE	A20-0091-S001	43.012	Space Technology	-852	0
					<b>Total - 43.012</b>		<b>4,332,078</b>	<b>1,160,397</b>
Research and Development Cluster	National Aeronautics & Space Administration	Direct		1547388	43.RD	National Aeronautics & Space Administration	68,596	0
Research and Development Cluster	National Aeronautics & Space Administration	Direct		164329	43.RD	National Aeronautics & Space Administration	34,069	0
Research and Development Cluster	National Aeronautics & Space Administration	Direct		169181	43.RD	National Aeronautics & Space Administration	201,999	0
Research and Development Cluster	National Aeronautics & Space Administration	Direct		2021-193-ST SOW 7110-01	43.RD	National Aeronautics & Space Administration	24,290	0
Research and Development Cluster	National Aeronautics & Space Administration	Direct		21078753	43.RD	National Aeronautics & Space Administration	43,349	0

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

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

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

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

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

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

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Research and Development Cluster	<b>Total - Nuclear Regulatory Commission</b>						<b>234,148</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Energy	Direct			81.049	Office of Science Financial Assistance Program	9,738,547	900,614
Research and Development Cluster	U.S. Department of Energy	Pass-Through	CARNEGIE-MELLON UNIVERSITY	1070142-450786	81.049	Office of Science Financial Assistance Program	82,923	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	RIKARBON, INC.	21090931	81.049	Office of Science Financial Assistance Program	55,644	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	DONALD DANFORTH PLANT SCIENCE CENTER	23706-P	81.049	Office of Science Financial Assistance Program	149,516	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	UNIVERSITY OF NEBRASKA-LINCOLN	25-1215-0208-004	81.049	Office of Science Financial Assistance Program	26,549	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	OAK RIDGE NATIONAL LABORATORY	4000194294	81.049	Office of Science Financial Assistance Program	2,306,710	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	STANFORD UNIVERSITY	61351722-124215	81.049	Office of Science Financial Assistance Program	-1,375	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	STONY BROOK UNIVERSITY	85526/2/1155763	81.049	Office of Science Financial Assistance Program	9,564	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	GEOMETRIC DATA ANALYTICS, INC	DE-SC0020542	81.049	Office of Science Financial Assistance Program	168,188	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	UNIV OF CALIFORNIA-SANTA BARBARA	KK1935	81.049	Office of Science Financial Assistance Program	61,622	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	PENNSYLVANIA STATE UNIVERSITY	S001325-USDOE	81.049	Office of Science Financial Assistance Program	147,902	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	PENNSYLVANIA STATE UNIVERSITY	S002346-USDOE	81.049	Office of Science Financial Assistance Program	92,981	0
					<b>Total - 81.049</b>		<b>12,838,771</b>	<b>900,614</b>
Research and Development Cluster	U.S. Department of Energy	Direct			81.086	Conservation Research and Development	2,781,773	475,674
Research and Development Cluster	U.S. Department of Energy	Pass-Through	FORD MOTOR COMPANY	DE-EE0009203	81.086	Conservation Research and Development	237,339	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	UNIVERSITY OF WISCONSIN-MADISON	0000000464	81.086	Conservation Research and Development	153,710	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	UTAH STATE UNIVERSITY	203220-744	81.086	Conservation Research and Development	71,766	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	INST FOR ADVCD COMPOSITES MF INNOVATION	PA16-0349-3,12-01	81.086	Conservation Research and Development	3	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	UNIVERSITY OF TENNESSEE (THE)	PA16-0349-7,1-01	81.086	Conservation Research and Development	4,236	0
					<b>Total - 81.086</b>		<b>3,248,827</b>	<b>475,674</b>
Research and Development Cluster	U.S. Department of Energy	Direct			81.087	Renewable Energy Research and Development	2,840,382	362,775
Research and Development Cluster	U.S. Department of Energy	Pass-Through	ARCELORMITTAL USA	4550 G WA302	81.087	Renewable Energy Research and Development	-453	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	UNIVERSITY OF UTAH	10039612-PURDUE-5-2557	81.087	Renewable Energy Research and Development	421,583	260,396
Research and Development Cluster	U.S. Department of Energy	Pass-Through	THE REGENTS OF THE UNIV OF CA	4550 G YA226	81.087	Renewable Energy Research and Development	272,145	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	MICHIGAN STATE UNIVERSITY	RC111121 - PU	81.087	Renewable Energy Research and Development	161,343	0
					<b>Total - 81.087</b>		<b>3,695,000</b>	<b>623,171</b>
Research and Development Cluster	U.S. Department of Energy	Direct			81.089	Fossil Energy Research and Development	351,929	30,940
Research and Development Cluster	U.S. Department of Energy	Pass-Through	UNIVERSITY OF CENTRAL FLORIDA	16266A67	81.089	Fossil Energy Research and Development	943	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	TENNESSEE TECH UNIVERSITY	BL125409438	81.089	Fossil Energy Research and Development	-6,232	0

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Research and Development Cluster	U.S. Department of Energy	Pass-Through	SOUTHWEST RESEARCH INSTITUTE	P99007RR	81.089	Fossil Energy Research and Development	420,064	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	NATIONAL RURAL ELECTRIC COOPERATIVE ASSN	PURDUE-001-SUBK	81.089	Fossil Energy Research and Development	321,463	0
					<b>Total - 81,089</b>		<b>1,088,167</b>	<b>30,940</b>
Research and Development Cluster	U.S. Department of Energy	Direct			81.121	Nuclear Energy Research, Development and Demonstration	988,875	35,957
Research and Development Cluster	U.S. Department of Energy	Pass-Through	UNIVERSITY OF NEBRASKA-LINCOLN	25-1123-0061-002	81.121	Nuclear Energy Research, Development and Demonstration	277	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	NORTH CAROLINA STATE UNIVERSITY	2016-1536-01	81.121	Nuclear Energy Research, Development and Demonstration	6	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	OHIO STATE UNIVERSITY	PO# RF 01579974	81.121	Nuclear Energy Research, Development and Demonstration	40,890	0
					<b>Total - 81,121</b>		<b>1,030,048</b>	<b>35,957</b>
Research and Development Cluster	U.S. Department of Energy	Direct			81.122	Electricity Delivery and Energy Reliability, Research, Development and Analysis	558,923	251,554
Research and Development Cluster	U.S. Department of Energy	Pass-Through	STANFORD UNIVERSITY	62486845-138242-01	81.124	Predictive Science Academic Alliance Program	256,682	0
Research and Development Cluster	U.S. Department of Energy	Direct			81.135	Advanced Research and Projects Agency ♦ Energy Financial Assistance Program	1,577,572	618,961
Research and Development Cluster	U.S. Department of Energy	Pass-Through	SONRISA RESEARCH INC	19013714	81.135	Advanced Research and Projects Agency ♦ Energy Financial Assistance Program	223,392	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	COLORADO SCHOOL OF MINES	401567-5802	81.135	Advanced Research and Projects Agency ♦ Energy Financial Assistance Program	116,537	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	OREGON STATE UNIVERSITY	G0183A-A	81.135	Advanced Research and Projects Agency ♦ Energy Financial Assistance Program	74,477	0
Research and Development Cluster	U.S. Department of Energy	Pass-Through	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	S4894-PO397313	81.135	Advanced Research and Projects Agency ♦ Energy Financial Assistance Program	159,444	0
					<b>Total - 81,135</b>		<b>2,151,422</b>	<b>870,515</b>
Research and Development Cluster	U.S. Department of Energy	Direct		115108	81.RD	U.S. Department of Energy	37,435	0
Research and Development Cluster	U.S. Department of Energy	Direct		133569	81.RD	U.S. Department of Energy	59,505	0
Research and Development Cluster	U.S. Department of Energy	Direct		140520	81.RD	U.S. Department of Energy	50,102	0
Research and Development Cluster	U.S. Department of Energy	Direct		1852765	81.RD	U.S. Department of Energy	1,790	0
Research and Development Cluster	U.S. Department of Energy	Direct		1971341	81.RD	U.S. Department of Energy	-1,863	0
Research and Development Cluster	U.S. Department of Energy	Direct		1975861	81.RD	U.S. Department of Energy	39,165	0
Research and Development Cluster	U.S. Department of Energy	Direct		2041483	81.RD	U.S. Department of Energy	238,823	0
Research and Development Cluster	U.S. Department of Energy	Direct		2056944	81.RD	U.S. Department of Energy	-10	0
Research and Development Cluster	U.S. Department of Energy	Direct		2081656	81.RD	U.S. Department of Energy	38,641	0
Research and Development Cluster	U.S. Department of Energy	Direct		2083577	81.RD	U.S. Department of Energy	32,597	0
Research and Development Cluster	U.S. Department of Energy	Direct		2084425	81.RD	U.S. Department of Energy	129,551	0
Research and Development Cluster	U.S. Department of Energy	Direct		2090974	81.RD	U.S. Department of Energy	32,845	0
Research and Development Cluster	U.S. Department of Energy	Direct		2091335	81.RD	U.S. Department of Energy	5,384	0
Research and Development Cluster	U.S. Department of Energy	Direct		2095505	81.RD	U.S. Department of Energy	119,613	0

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

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Research and Development Cluster	U.S. Department of Energy	Direct		2234344	81.RD	U.S. Department of Energy	79,105	0
Research and Development Cluster	U.S. Department of Energy	Direct		2248552	81.RD	U.S. Department of Energy	56,122	0
Research and Development Cluster	U.S. Department of Energy	Direct		2248643	81.RD	U.S. Department of Energy	35,162	0
Research and Development Cluster	U.S. Department of Energy	Direct		2249251	81.RD	U.S. Department of Energy	38,397	0
Research and Development Cluster	U.S. Department of Energy	Direct		2259625	81.RD	U.S. Department of Energy	16,267	0
Research and Development Cluster	U.S. Department of Energy	Direct		2300437	81.RD	U.S. Department of Energy	20,000	0
Research and Development Cluster	U.S. Department of Energy	Direct		2300939	81.RD	U.S. Department of Energy	51,789	0
Research and Development Cluster	U.S. Department of Energy	Direct		2304745	81.RD	U.S. Department of Energy	12,757	0
Research and Development Cluster	U.S. Department of Energy	Direct		2313225	81.RD	U.S. Department of Energy	67,771	0
Research and Development Cluster	U.S. Department of Energy	Direct		2313773	81.RD	U.S. Department of Energy	17,113	0
Research and Development Cluster	U.S. Department of Energy	Direct		231417	81.RD	U.S. Department of Energy	31,416	0
Research and Development Cluster	U.S. Department of Energy	Direct		231427	81.RD	U.S. Department of Energy	24,573	0
Research and Development Cluster	U.S. Department of Energy	Direct		2317516	81.RD	U.S. Department of Energy	34,407	0
Research and Development Cluster	U.S. Department of Energy	Direct		2317662	81.RD	U.S. Department of Energy	26,855	0
Research and Development Cluster	U.S. Department of Energy	Direct		2320621	81.RD	U.S. Department of Energy	35,375	0
Research and Development Cluster	U.S. Department of Energy	Direct		2330618	81.RD	U.S. Department of Energy	28,623	0
Research and Development Cluster	U.S. Department of Energy	Direct		2332029	81.RD	U.S. Department of Energy	26,566	0
Research and Development Cluster	U.S. Department of Energy	Direct		2350208	81.RD	U.S. Department of Energy	644	0
Research and Development Cluster	U.S. Department of Energy	Direct		2352373	81.RD	U.S. Department of Energy	54,999	0
Research and Development Cluster	U.S. Department of Energy	Direct		239544	81.RD	U.S. Department of Energy	2,813	0
Research and Development Cluster	U.S. Department of Energy	Direct		3010504729	81.RD	U.S. Department of Energy	-15	0
Research and Development Cluster	U.S. Department of Energy	Direct		4000151703	81.RD	U.S. Department of Energy	108,033	0
Research and Development Cluster	U.S. Department of Energy	Direct		4000192758	81.RD	U.S. Department of Energy	85,024	0
Research and Development Cluster	U.S. Department of Energy	Direct		4000193872	81.RD	U.S. Department of Energy	58,378	0
Research and Development Cluster	U.S. Department of Energy	Direct		425170	81.RD	U.S. Department of Energy	19,880	0
Research and Development Cluster	U.S. Department of Energy	Direct		498532	81.RD	U.S. Department of Energy	71,934	0
Research and Development Cluster	U.S. Department of Energy	Direct		4F-32042	81.RD	U.S. Department of Energy	9	0
Research and Development Cluster	U.S. Department of Energy	Direct		8F-30010	81.RD	U.S. Department of Energy	34,758	0
Research and Development Cluster	U.S. Department of Energy	Direct		PO 2334433	81.RD	U.S. Department of Energy	41,890	0
Research and Development Cluster	U.S. Department of Energy	Direct		PO 2340297	81.RD	U.S. Department of Energy	44,692	0

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

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

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

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

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					<b>Total - 93,243</b>		<b>173,428</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.262	Occupational Safety and Health Program	7,641	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CINCINNATI	010412-102	93.262	Occupational Safety and Health Program	6,486	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF NEBRASKA	34-5420-2006-211	93.262	Occupational Safety and Health Program	12,804	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF IOWA	S02401-01	93.262	Occupational Safety and Health Program	3,690	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00014286	93.262	Occupational Safety and Health Program	5,200	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00014287	93.262	Occupational Safety and Health Program	-622	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00016038	93.262	Occupational Safety and Health Program	17,302	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00016152	93.262	Occupational Safety and Health Program	13,976	0
					<b>Total - 93,262</b>		<b>66,477</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.273	Alcohol Research Programs	1,360,326	52,844
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UTAH STATE UNIVERSITY	201356-490	93.273	Alcohol Research Programs	11,601	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8900	93.273	Alcohol Research Programs	14,419	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	9211-PU	93.273	Alcohol Research Programs	20,996	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	9215	93.273	Alcohol Research Programs	13,614	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	MONTANA STATE UNIVERSITY	G259-21-W8643	93.273	Alcohol Research Programs	14,294	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4687305PU	93.273	Alcohol Research Programs	29,672	0
					<b>Total - 93,273</b>		<b>1,464,922</b>	<b>52,844</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.279	Drug Abuse and Addiction Research Programs	1,408,671	70,674
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	THE UNIVERSITY OF BRITISH COLUMBIA	20R22505	93.279	Drug Abuse and Addiction Research Programs	-52,663	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	PENNSYLVANIA STATE UNIVERSITY	5877-PU-DHHS-5108-04	93.279	Drug Abuse and Addiction Research Programs	143,049	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MINNESOTA	D009105902	93.279	Drug Abuse and Addiction Research Programs	68,473	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	SFC FLUIDICS	SFC 2018-01	93.279	Drug Abuse and Addiction Research Programs	1,851	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	OHIO STATE UNIVERSITY	SPC-1000003679/GR107769	93.279	Drug Abuse and Addiction Research Programs	-3,294	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	OHIO STATE UNIVERSITY	SPC-100008741 / GR109354	93.279	Drug Abuse and Addiction Research Programs	36,791	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	EMORY UNIVERSITY	T880310	93.279	Drug Abuse and Addiction Research Programs	44,107	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	EMORY UNIVERSITY	T994736	93.279	Drug Abuse and Addiction Research Programs	9,539	0
					<b>Total - 93,279</b>		<b>1,656,524</b>	<b>70,674</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.286	Discovery and Applied Research for Technological Innovations to Improve Human He	476,374	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF PENNSYLVANIA	574115	93.286	Discovery and Applied Research for Technological Innovations to Improve Human He	-885	0

\* denotes major programs  
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Purdue University  
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Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	ALN	ALN Program Title	Federal Expenditures	Subrecipient Expenditures
					<b>Total - 93,286</b>		<b>475,489</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.307	Minority Health and Health Disparities Research	504,980	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	NORTHERN ARIZONA UNIVERSITY	1004937-02	93.307	Minority Health and Health Disparities Research	65,952	0
					<b>Total - 93,307</b>		<b>570,932</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.310	Trans-NIH Research Support	4,293,932	2,094,241
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	CARNEGIE-MELLON UNIVERSITY	1090667-441650	93.310	Trans-NIH Research Support	8,000	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8715_PUR	93.310	Trans-NIH Research Support	39,993	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	DUKE UNIVERSITY	A03-5087	93.310	Trans-NIH Research Support	216,048	42,980
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00013663	93.310	Trans-NIH Research Support	86,810	0
					<b>Total - 93,310</b>		<b>4,644,783</b>	<b>2,137,221</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.350	National Center for Advancing Translational Sciences	-106	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN CLINICAL & TRANSLATIONAL SCI INST	21112789	93.350	National Center for Advancing Translational Sciences	4,581	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	00088780	93.350	National Center for Advancing Translational Sciences	3,179	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	8475	93.350	National Center for Advancing Translational Sciences	-599	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8681	93.350	National Center for Advancing Translational Sciences	-121	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	8929	93.350	National Center for Advancing Translational Sciences	97,437	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	8940	93.350	National Center for Advancing Translational Sciences	797,961	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	8944	93.350	National Center for Advancing Translational Sciences	179,986	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8946	93.350	National Center for Advancing Translational Sciences	163,794	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4680912PU	93.350	National Center for Advancing Translational Sciences	-605	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	NTP	93.350	National Center for Advancing Translational Sciences	5,735	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	NTP-00101161	93.350	National Center for Advancing Translational Sciences	83,878	0
					<b>Total - 93,350</b>		<b>1,335,120</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.351	Research Infrastructure Programs	115,913	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF ALABAMA AT BIRMINGHAM	000516421-SC003	93.353	21st Century Cures Act - Beau Biden Cancer Moonshot	19,519	0
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.361	Nursing Research	143,785	0
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.393	Cancer Cause and Prevention Research	268,639	13,708
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF PITTSBURGH MEDICAL CENTER	0057797(130855-2)	93.393	Cancer Cause and Prevention Research	56,936	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	HARVARD MEDICAL SCHOOL	1299701	93.393	Cancer Cause and Prevention Research	41,402	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF HAWAII	KA1750	93.393	Cancer Cause and Prevention Research	43,514	0

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Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF HAWAII	KA1751	93.393	Cancer Cause and Prevention Research	6,250	0
					<b>Total - 93.393</b>		<b>416,741</b>	<b>13,708</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.394	Cancer Detection and Diagnosis Research	1,112,274	340,584
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	TYMORA ANALYTICAL OPERATIONS, LLC	4R44CA239845-02	93.394	Cancer Detection and Diagnosis Research	31,372	0
					<b>Total - 93.394</b>		<b>1,143,646</b>	<b>340,584</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.395	Cancer Treatment Research	2,466,092	265,402
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	9014	93.395	Cancer Treatment Research	180,588	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	KINARX, LLC	19025176	93.395	Cancer Treatment Research	40,180	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	KINARX, LLC	20025158	93.395	Cancer Treatment Research	4,356	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IU SCHOOL OF MEDICINE	9010	93.395	Cancer Treatment Research	56,097	0
					<b>Total - 93.395</b>		<b>2,747,313</b>	<b>265,402</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.396	Cancer Biology Research	2,633,260	676,040
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.397	Cancer Centers Support Grants	1,750,903	0
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.398	Cancer Research Manpower	988,869	50,420
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.600	Head Start	14,772	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	CHILDEHELP, INC	20123014	93.670	Child Abuse and Neglect Discretionary Activities	74,350	0
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.747	Elder Abuse Prevention Interventions Program	22,557	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	STATE OF MONTANA	APS-OP-2020-3	93.747	Elder Abuse Prevention Interventions Program	86,052	0
					<b>Total - 93.747</b>		<b>108,609</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.774	Medicare_Supplementary Medical Insurance	15,756	8,992
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.788	Opioid STR	462,665	207,868
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN FAMILY & SOCIAL SERVICES ADMIN	GRANT ID: 32087	93.788	Opioid STR	-1	0
					<b>Total - 93.788</b>		<b>462,664</b>	<b>207,868</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.822	Health Careers Opportunity Program	723,616	0
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.837	Heart and Vascular Diseases Research	1,738,840	262,453
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	MICHIGAN TECHNOLOGICAL UNIVERSITY	1702063Z3	93.837	Heart and Vascular Diseases Research	32,866	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	AQUILO SPORTS LLC	21101919	93.837	Heart and Vascular Diseases Research	30,823	0
					<b>Total - 93.837</b>		<b>1,802,529</b>	<b>262,453</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.839	Blood Diseases and Resources Research	-211	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIV. OF NORTH CAROLINA AT CHAPEL HILL	5115293	93.839	Blood Diseases and Resources Research	-2	0

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Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIV. OF NORTH CAROLINA AT CHAPEL HILL	5118100	93.839	Blood Diseases and Resources Research	-11,776	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIV. OF NORTH CAROLINA AT CHAPEL HILL	5121821	93.839	Blood Diseases and Resources Research	179,345	0
					<b>Total - 93,839</b>		<b>167,356</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.840	Translation and Implementation Science Research for Heart, Lung, Blood Diseases,	23,816	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	MOI UNIVERSITY	22014275	93.840	Translation and Implementation Science Research for Heart, Lung, Blood Diseases,	9,919	0
					<b>Total - 93,840</b>		<b>33,735</b>	<b>0</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.846	Arthritis, Musculoskeletal and Skin Diseases Research	1,891,189	417,482
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF COLORADO AT BOULDER	1559695	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	18,815	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	VIRGINIA COMMONWEALTH UNIVERSITY	FP00007737_SA001	93.846	Arthritis, Musculoskeletal and Skin Diseases Research	173,726	0
					<b>Total - 93,846</b>		<b>2,083,730</b>	<b>417,482</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.847	Diabetes, Endocrinology and Metabolism Research	1,892,689	136,677
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	21123703	93.847	Diabetes, Endocrinology and Metabolism Research	51,036	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	7916_PUR	93.847	Diabetes, Endocrinology and Metabolism Research	96,102	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8521	93.847	Diabetes, Endocrinology and Metabolism Research	7,962	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8837_PUR	93.847	Diabetes, Endocrinology and Metabolism Research	5,994	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8973_PUR	93.847	Diabetes, Endocrinology and Metabolism Research	49,703	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	8975_PUR	93.847	Diabetes, Endocrinology and Metabolism Research	23,233	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	NORTHSHORE UNIV HEALTH SYSTEM	EH18-093-S1	93.847	Diabetes, Endocrinology and Metabolism Research	-3,761	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF COLORADO DENVER	FY22.115.001_AMD5	93.847	Diabetes, Endocrinology and Metabolism Research	57,235	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IN UNIV PURDUE UNIV AT INDIANAPOLIS	REQ 134762495	93.847	Diabetes, Endocrinology and Metabolism Research	-599	0
					<b>Total - 93,847</b>		<b>2,179,594</b>	<b>136,677</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	2,110,102	169,911
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF IOWA	S00841-01	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	-432	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF IOWA	S00841-02	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	124,686	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF IOWA	S00841-03	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	24,303	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	BRIGHAM AND WOMEN'S HOSPITAL	121802	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	525,625	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	MR-LINK LLC	17099944	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	91	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	BACKYARD BRAINS	18078267	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	9,266	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIV OF TEXAS S WSTN MEDICAL CENTER, THE	GMO211009 PO0000002095	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	102,943	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	IN4685646PU	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	263,948	0

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Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF MINNESOTA	N008262301	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	155,465	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	BRIGHAM AND WOMEN'S HOSPITAL	NTP22111940	93.853	Extramural Research Programs in the Neurosciences and Neurological Disorders	31,431	0
					<b>Total - 93,853</b>		<b>3,347,428</b>	<b>169,911</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.855	Allergy, Immunology and Transplantation Research	6,689,078	1,243,772
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	TEICHOS LABORATORIES, LLC	21046529	93.855	Allergy, Immunology and Transplantation Research	6,701	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	LA JOLLA INST FOR ALLERGY & IMMUNOLOGY	27909-02-123-408	93.855	Allergy, Immunology and Transplantation Research	-4,019	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	LA JOLLA INST FOR ALLERGY & IMMUNOLOGY	27909-03-123-408	93.855	Allergy, Immunology and Transplantation Research	199,933	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	LA JOLLA INST FOR ALLERGY & IMMUNOLOGY	27909-04-123-408	93.855	Allergy, Immunology and Transplantation Research	27,176	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	VIRGINIA POLYTECHNIC INST & STATE UNIV	412642-19084	93.855	Allergy, Immunology and Transplantation Research	305,419	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF ROCHESTER	417319G/UR FAO GR510776	93.855	Allergy, Immunology and Transplantation Research	377,318	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	STANFORD UNIVERSITY	62649495-192167	93.855	Allergy, Immunology and Transplantation Research	390,257	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	IU SCHOOL OF MEDICINE	8514-PU	93.855	Allergy, Immunology and Transplantation Research	214,098	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CALIFORNIA - DAVIS	A20-0624-S001-02	93.855	Allergy, Immunology and Transplantation Research	8,630	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF COLORADO DENVER	FY16.526.001	93.855	Allergy, Immunology and Transplantation Research	62,706	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	GEORGIA STATE UNIVERSITY	SP00013765-03	93.855	Allergy, Immunology and Transplantation Research	122	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	WASHINGTON UNIVERSITY	WU-17-36	93.855	Allergy, Immunology and Transplantation Research	101,316	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	WASHINGTON UNIVERSITY	WU-18-457	93.855	Allergy, Immunology and Transplantation Research	332,535	0
					<b>Total - 93,855</b>		<b>8,711,270</b>	<b>1,243,772</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.859	Biomedical Research and Research Training	11,336,201	365,486
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	TYMORA ANALYTICAL OPERATIONS, LLC	19100468	93.859	Biomedical Research and Research Training	58,028	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF CALIFORNIA - SANTA CRUZ	A18-0179-S001-PO646848	93.859	Biomedical Research and Research Training	38,281	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF VIRGINIA	GB11056.169317	93.859	Biomedical Research and Research Training	13,377	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF WASHINGTON	UWSC12039	93.859	Biomedical Research and Research Training	97,536	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	UNIVERSITY OF WASHINGTON	UWSC13365	93.859	Biomedical Research and Research Training	79,321	0
					<b>Total - 93,859</b>		<b>11,622,744</b>	<b>365,486</b>
Research and Development Cluster	U.S. Department of Health & Human Services	Direct			93.865	Child Health and Human Development Extramural Research	1,635,829	528,362
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	BRADLEY HOSPITAL	7127549	93.865	Child Health and Human Development Extramural Research	37,507	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	NEW YORK UNIVERSITY	F0998-010	93.865	Child Health and Human Development Extramural Research	42	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	FLORIDA STATE UNIVERSITY	R000002856	93.865	Child Health and Human Development Extramural Research	12,008	0
Research and Development Cluster	U.S. Department of Health & Human Services	Pass-Through	FLORIDA STATE UNIVERSITY	R000002943	93.865	Child Health and Human Development Extramural Research	15,356	0

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

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

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

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

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	U.S. Department of Agriculture	Pass-Through	ILLINOIS COOPERATIVE EXTENSION SERVICE	PO:P2288730	10.500	Cooperative Extension Service	84,618	0
					<b>Total - 10,500</b>		<b>2,286,024</b>	<b>840,093</b>
	U.S. Department of Agriculture	Direct			10.511	Smith-Lever	8,976,562	0
	U.S. Department of Agriculture	Direct			10.514	Expanded Food and Nutrition Education Program	1,243,882	0
	U.S. Department of Agriculture	Direct			10.515	Renewable Resources Extension Act and National Focus Fund Project	45,475	0
	U.S. Department of Agriculture	Pass-Through	UNIV OF ILLINOIS AT CHAMPAIGN-URBANA	101598-18251	10.525	Farm and Ranch Stress Assistance Network Competitive Grants Program	156,003	0
	U.S. Department of Agriculture	Pass-Through	UNIV OF ILLINOIS AT CHAMPAIGN-URBANA	101598-18253	10.525	Farm and Ranch Stress Assistance Network Competitive Grants Program	29,016	0
	U.S. Department of Agriculture	Pass-Through	WASHINGTON STATE UNIVERSITY	139244 SPC002311	10.525	Farm and Ranch Stress Assistance Network Competitive Grants Program	24,494	0
	U.S. Department of Agriculture	Pass-Through	IN STATE DEPARTMENT OF AGRICULTURE	CONTRACT #56943	10.525	Farm and Ranch Stress Assistance Network Competitive Grants Program	129,952	0
					<b>Total - 10,525</b>		<b>339,465</b>	<b>0</b>
	U.S. Department of Agriculture	Pass-Through	INTERNATIONAL EXECUTIVE SERVICE CORPS	215015	10.606	Food for Progress	102,853	0
	U.S. Department of Agriculture	Pass-Through	VIRGINIA POLYTECHNIC INST & STATE UNIV	549123-19084	10.674	Forest Products Lab: Technology Marketing Unit (TMU)	26,124	0
	U.S. Department of Agriculture	Direct			10.680	Forest Health Protection	18,356	29,609
	U.S. Department of Agriculture	Direct			10.890	Rural Development Cooperative Agreement Program	43,720	10,596
	U.S. Department of Agriculture	Direct			10.960	Technical Agricultural Assistance	159,401	0
	U.S. Department of Agriculture	Pass-Through	UNIVERSITY OF WISCONSIN-MADISON	0000000703	10.U00	U.S. Department of Agriculture	6,059	0
	U.S. Department of Agriculture	Pass-Through	MISSISSIPPI STATE UNIVERSITY	025075	10.U01	U.S. Department of Agriculture	4,508	0
	<b>Total - U.S. Department of Agriculture</b>						<b>20,949,536</b>	<b>1,172,310</b>
	U.S. Department of Commerce	Direct			11.023	Science, Technology, Engineering, and Mathematics (STEM) Talent Challenge Progra	50,000	0
	U.S. Department of Commerce	Direct			11.303	Economic Development_Technical Assistance	182,854	92,302
	U.S. Department of Commerce	Direct			11.307	Economic Adjustment Assistance	199,130	52,955
	U.S. Department of Commerce	Direct			11.417	Sea Grant Support	2,865,657	1,432,575
	U.S. Department of Commerce	Pass-Through	UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH	SUBAWD001801	11.431	Climate and Atmospheric Research	24,297	0
	U.S. Department of Commerce	Direct			11.611*	Manufacturing Extension Partnership	3,772,040	229,000
	U.S. Department of Commerce	Pass-Through	MISSOURI ENTERPRISE	21101569	11.611*	Manufacturing Extension Partnership	3,525	0
					<b>Total - 11,611*</b>		<b>3,775,565</b>	<b>229,000</b>
	U.S. Department of Commerce	Direct			11.619	Arrangements for Interdisciplinary Research Infrastructure	4,788	0
	U.S. Department of Commerce	Direct		1332KP21FNEEN0020	11.U00	U.S. Department of Commerce	470,767	0
	<b>Total - U.S. Department of Commerce</b>						<b>7,573,058</b>	<b>1,806,832</b>
	U.S. Department of Defense	Direct			12.300	Basic and Applied Scientific Research	51,087	0

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	U.S. Department of Defense	Direct			12.617	Economic Adjustment Assistance for State Governments	697,820	0
	U.S. Department of Defense	Pass-Through	UNIVERSITY OF MICHIGAN	SUBK00011356	12.617	Economic Adjustment Assistance for State Governments	-4	0
					<b>Total - 12,617</b>		<b>697,816</b>	<b>0</b>
	U.S. Department of Defense	Pass-Through	HENRY M JACKSON FOUNDATION	66033-5106	12.750	Uniformed Services University Medical Research Projects	2	0
	U.S. Department of Defense	Pass-Through	HENRY M JACKSON FOUNDATION	5635	12.750	Uniformed Services University Medical Research Projects	366,054	0
	U.S. Department of Defense	Pass-Through	HENRY M JACKSON FOUNDATION	5636	12.750	Uniformed Services University Medical Research Projects	36,023	0
	U.S. Department of Defense	Pass-Through	HENRY M JACKSON FOUNDATION	5797	12.750	Uniformed Services University Medical Research Projects	33,568	0
	U.S. Department of Defense	Pass-Through	HENRY M JACKSON FOUNDATION	5798	12.750	Uniformed Services University Medical Research Projects	82,423	0
					<b>Total - 12,750</b>		<b>518,070</b>	<b>0</b>
	U.S. Department of Defense	Direct			12.800	Air Force Defense Research Sciences Program	33,434	0
	U.S. Department of Defense	Direct			12.903	GenCyber Grants Program	73,779	0
	U.S. Department of Defense	Direct			12.905	CyberSecurity Core Curriculum	2,078,543	929,807
	U.S. Department of Defense	Direct		CONTRACTF41999-20-D-0001	12.U00	U.S. Department of Defense	624,713	0
	U.S. Department of Defense	Pass-Through	EXO-ATMOSPHERIC TECHNOLOGIES LLC	190620-1	12.U01	U.S. Department of Defense	1,527	0
	U.S. Department of Defense	Direct		F1SRQ21092M002	12.U02	U.S. Department of Defense	49,906	0
	U.S. Department of Defense	Pass-Through	HYSONIC TECHNOLOGIES, LLC	21089929	12.U03	U.S. Department of Defense	55,270	0
	U.S. Department of Defense	Pass-Through	TEXAS ENGINEERING EXPERIMENT STATION	22014388	12.U04	U.S. Department of Defense	25,000	0
	U.S. Department of Defense	Direct		F1SRQ21287M001	12.U05	U.S. Department of Defense	7,882	0
	U.S. Department of Defense	Pass-Through	GHKN ENGINEERING, LLC	22079030	12.U06	U.S. Department of Defense	31,783	0
	U.S. Department of Defense	Direct		131221-1	12.U07	U.S. Department of Defense	8,191	0
	<b>Total - U.S. Department of Defense</b>						<b>4,257,001</b>	<b>929,807</b>
	Housing & Urban Development	Pass-Through	FORT WAYNE, CITY OF	CO# 175PF193-5369-3067	14.272	National Disaster Resilience Competition	23,009	0
	<b>Total - Housing &amp; Urban Development</b>						<b>23,009</b>	<b>0</b>
	U.S. Department of Interior	Direct		140G0320P0096	15.U00	U.S. Department of Interior	3	0
	<b>Total - U.S. Department of Interior</b>						<b>3</b>	<b>0</b>
	U.S. Department of Justice	Direct			16.839	STOP School Violence	166,428	0
	<b>Total - U.S. Department of Justice</b>						<b>166,428</b>	<b>0</b>
	U.S. Department of Labor	Direct			17.268	H-1B Job Training Grants	1,380,605	606,323
	U.S. Department of Labor	Direct			17.502	Occupational Safety and Health_Susan Harwood Training Grants	24,654	0
	<b>Total - U.S. Department of Labor</b>						<b>1,405,259</b>	<b>606,323</b>

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	U.S. Department of State	Pass-Through	INTERNATIONAL RESEARCH & EXCHANGE BOARD	FY20-YALI-BE-PU-03	19.009	Academic Exchange Programs - Undergraduate Programs	103,777	0
	U.S. Department of State	Pass-Through	INTERNATIONAL RESEARCH & EXCHANGE BOARD	FY22-YALI-BE-PU-04	19.009	Academic Exchange Programs - Undergraduate Programs	57,390	0
					<b>Total - 19,009</b>		<b>161,167</b>	<b>0</b>
	U.S. Department of State	Direct			19.021	Investing in People in The Middle East and North Africa	96,952	0
	U.S. Department of State	Direct			19.040	Public Diplomacy Programs	130	0
	U.S. Department of State	Direct			19.415	Professional Exchanges_Annual Open Grant	156,226	0
	U.S. Department of State	Direct			19.501	Public Diplomacy Programs for Afghanistan and Pakistan	-1,451	0
	U.S. Department of State	Pass-Through	AMERICAN COUNCILS FOR INTNL EDUC	SUZ800-18-CA-0001	19.900	AEECA/ESF PD Programs	38,784	11,800
	U.S. Department of State	Direct		100820A0336	19.U00	U.S. Department of State	4	0
	<b>Total - U.S. Department of State</b>						<b>451,812</b>	<b>11,800</b>
	U.S. Department of Transportation	Direct			20.106	Airport Improvement Program	706,580	0
	U.S. Department of Transportation	Direct			20.215	Highway Training and Education	6,537	0
	U.S. Department of Transportation	Direct		DTFAC-13-D-00010 0005	20.U00	U.S. Department of Transportation	26,070	0
	<b>Total - U.S. Department of Transportation</b>						<b>739,187</b>	<b>0</b>
	National Aeronautics & Space Administration	Direct			43.001	Science	186,621	0
	National Aeronautics & Space Administration	Direct			43.008	Education	531,810	217,616
	National Aeronautics & Space Administration	Direct			43.012	Space Technology	517,403	0
	National Aeronautics & Space Administration	Direct		80NSSC19P0397	43.U00	National Aeronautics & Space Administration	923	0
	National Aeronautics & Space Administration	Pass-Through	IN SPACE, LLC	NTPINS-41703-2	43.U01	National Aeronautics & Space Administration	-303	0
	National Aeronautics & Space Administration	Pass-Through	ROCKET PROPULSION SYSTEMS LLC	20067514	43.U02	National Aeronautics & Space Administration	95,633	0
	National Aeronautics & Space Administration	Direct		20112446	43.U03	National Aeronautics & Space Administration	77,530	0
	National Aeronautics & Space Administration	Pass-Through	STENNIS SPACE CENTER	80NSSC20P2088	43.U04	National Aeronautics & Space Administration	39,232	0
	National Aeronautics & Space Administration	Pass-Through	ANALYTICAL MECHANICS ASSOC, INC	T3-0546-FY21	43.U05	National Aeronautics & Space Administration	25,004	0
	National Aeronautics & Space Administration	Pass-Through	ANALYTICAL MECHANICS ASSOC, INC	T3-0583-FY21	43.U06	National Aeronautics & Space Administration	357,937	0
	National Aeronautics & Space Administration	Pass-Through	ANALYTICAL MECHANICS ASSOC, INC	T3-0584-FY21	43.U07	National Aeronautics & Space Administration	239,273	0
	National Aeronautics & Space Administration	Direct		80NSSC21K1643	43.U08	National Aeronautics & Space Administration	39,255	0
	National Aeronautics & Space Administration	Pass-Through	OLD DOMINION UNIV RESEARCH FDN	21112656	43.U09	National Aeronautics & Space Administration	9,000	0
	National Aeronautics & Space Administration	Pass-Through	ULTRAMET	P.O. NO. 18634	43.U10	National Aeronautics & Space Administration	33,481	0
	National Aeronautics & Space Administration	Direct		80NSSC21K1629	43.U11	National Aeronautics & Space Administration	39,827	0
	National Aeronautics & Space Administration	Direct		80NSSC22PA046	43.U12	National Aeronautics & Space Administration	51,087	0

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

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

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

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

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

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

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

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

Clusters	Federal Grantor	Type	Pass-Through Grantor	Award Identifier	ALN	ALN Program Title	Federal Expenditures	Subrecipient Expenditures
					<b>Total - 93,426</b>		<b>45,063</b>	<b>0</b>
	U.S. Department of Health & Human Services	Direct			93.526	Affordable Care Act (ACA) Grants for Capital Development in Health Centers	69,523	0
	U.S. Department of Health & Human Services	Pass-Through	IN FAMILY & SOCIAL SERVICES ADMIN	GRANT ID: 46898	93.788	Opioid STR	492,671	0
	U.S. Department of Health & Human Services	Direct			93.912	Rural Health Care Services Outreach and Rural Health Network Development Program	256,397	38,151
	U.S. Department of Health & Human Services	Pass-Through	INDIANA UNIVERSITY	9017	93.912	Rural Health Care Services Outreach and Rural Health Network Development Program	9,333	0
					<b>Total - 93,912</b>		<b>265,730</b>	<b>38,151</b>
	U.S. Department of Health & Human Services	Direct		IPA - J NWABUEZE	93.U00	U.S. Department of Health & Human Services	888	0
	U.S. Department of Health & Human Services	Direct		IPA - MINH TRI TRAN	93.U01	U.S. Department of Health & Human Services	13,583	0
	U.S. Department of Health & Human Services	Direct		HHSF223201610019C	93.U02	U.S. Department of Health & Human Services	73,623	0
	U.S. Department of Health & Human Services	Direct		20112138	93.U03	U.S. Department of Health & Human Services	16,393	0
	U.S. Department of Health & Human Services	Direct		IPA - KATHRYN COMANICI	93.U04	U.S. Department of Health & Human Services	1,792	0
	U.S. Department of Health & Human Services	Direct		IPA - SHANNON ALEXANDER	93.U05	U.S. Department of Health & Human Services	33,333	0
	U.S. Department of Health & Human Services	Direct		IPA - ANES KARIC	93.U06	U.S. Department of Health & Human Services	12,751	0
	U.S. Department of Health & Human Services	Direct		IPA- JOEL NICOLAS	93.U07	U.S. Department of Health & Human Services	19,461	0
	U.S. Department of Health & Human Services	Direct		HHSF223201810131C	93.U08	U.S. Department of Health & Human Services	23,891	0
	U.S. Department of Health & Human Services	Direct		HHSF223201850066A	93.U09	U.S. Department of Health & Human Services	39,300	0
	U.S. Department of Health & Human Services	Direct		21024825	93.U10	U.S. Department of Health & Human Services	3,625	0
	U.S. Department of Health & Human Services	Direct		HHSF223201850066A	93.U11	U.S. Department of Health & Human Services	52,938	0
	U.S. Department of Health & Human Services	Direct		21112239	93.U12	U.S. Department of Health & Human Services	33,043	0
	<b>Total - U.S. Department of Health &amp; Human Services</b>						<b>9,635,874</b>	<b>153,824</b>
	AmeriCorps	Pass-Through	IN DEPT OF WORKFORCE DEVELOPMENT	56405	94.006	AmeriCorps	76,683	0
	AmeriCorps	Pass-Through	IN DEPT OF WORKFORCE DEVELOPMENT	CONTRACT #57030	94.006	AmeriCorps	73,024	0
	AmeriCorps	Pass-Through	IN DEPT OF WORKFORCE DEVELOPMENT	CONTRACT NO 53376	94.006	AmeriCorps	676	0
	AmeriCorps	Pass-Through	SERVE INDIANA	CONTRACT NO 53376	94.006	AmeriCorps	-568	0
					<b>Total - 94,006</b>		<b>149,815</b>	<b>0</b>
	<b>Total - AmeriCorps</b>						<b>149,815</b>	<b>0</b>
	U.S. Department of Homeland Security	Direct			97.005	State and Local Homeland Security Training Program	511,063	115,789
	<b>Total - U.S. Department of Homeland Security</b>						<b>511,063</b>	<b>115,789</b>
	Agency for International Development	Direct			98.001	USAID Foreign Assistance for Programs Overseas	3,847,913	1,589,013
	Agency for International Development	Pass-Through	PUBLIC HEALTH INSTITUTE	02155	98.001	USAID Foreign Assistance for Programs Overseas	39,456	0

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

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

\* 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, 2022**

**Note 1. Basis of Presentation**

The accompanying Schedule of Expenditures of Federal Awards (Schedule) includes the federal award activity of Purdue University (University). The information in the Schedule is presented in accordance with the requirements of Title 2 U.S Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance). Because the Schedule presents only a selective portion of the activities of the University, it is not intended to and does not present the financial position, change in financial position, or cash flows of the University.

**Note 2. Summary of Significant Accounting Policies**

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

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

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

Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. Pass-through identifying numbers are presented when available.

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

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

**Note 3. Federal Student Loan Programs**

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

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

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

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

**Note 4. Federal Direct Loan Program**

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

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

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

**Note 5. Adjustments and Transfers**

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

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

**Note 6. Assistance Listing Numbers**

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

## Schedule of Findings and Questioned Costs

Year Ended June 30, 2022

### Section I - Summary of Auditor's Results

#### Financial Statements

Type of auditor's report issued: Unmodified

Internal control over financial reporting:

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

#### Federal Awards

Internal control over major programs:

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

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

Identification of major programs:

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

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

Auditee qualified as low-risk auditee? \_\_\_\_\_ Yes      X   No

### Section II - Financial Statement Audit Findings

**Current Year**    None

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings

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

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Schedule of Findings and Questioned Costs (Continued)

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Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding
2022-001 (Continued)	<p data-bbox="360 533 1089 560"><b>Views of Responsible Officials and Corrective Action Plan</b></p> <p data-bbox="360 583 1484 798">The PFW office of financial aid has an established Return of Title Four Aid (R2T4) policy and underlying control structure in place to ensure compliance with the R2T4 requirements. The PFW office of financial aid will enhance its current R2T4 policy and procedure to include a step-by-step process to completing an R2T4. This will ensure that, in the absence of the assistant director of loans (who is currently responsible for R2T4 calculation completion), a succession list determining who is next in line to complete R2T4 calculations will be established to ensure these are completed in the 45-day window.</p>

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding
2022-002	<p data-bbox="362 531 1170 556"><b>Assistance Listing Number, Federal Agency, and Program Name</b></p> <p data-bbox="362 594 1036 680">Federal Agency: Department of Education Federal Program: COVID-19 Education Stabilization Fund Assistance Listing Number: 84.425F</p> <p data-bbox="362 703 797 728"><b>Finding Type</b> - Significant deficiency</p> <p data-bbox="362 751 610 777"><b>Repeat Finding</b> - No</p> <p data-bbox="362 800 456 825"><b>Criteria</b></p> <p data-bbox="362 848 1487 1031">Uniform Guidance (2 CFR 200.303(a)) requires nonfederal entities receiving federal awards to establish and maintain effective internal control to reasonably ensure compliance with federal statutes, regulations, and the terms and conditions of the federal award. Effective internal controls should include procedures to ensure expenses are recorded only when purchased goods or services have been received. Costs should be determined in accordance with generally accepted accounting principles (GAAP) as described in 2 CFR Part 200.</p> <p data-bbox="362 1054 488 1079"><b>Condition</b></p> <p data-bbox="362 1102 1487 1161">The Purdue Fort Wayne campus did not have adequate controls in place to ensure invoices related to technology services were properly recorded in accordance with GAAP.</p> <p data-bbox="362 1184 589 1209"><b>Questioned Costs</b></p> <p data-bbox="362 1232 857 1257">There were no questioned costs identified.</p> <p data-bbox="362 1281 464 1306"><b>Context</b></p> <p data-bbox="362 1329 1487 1451">During our testing of expenditures, we noted 2 out of 32 HEERF institutional portion expenditure samples tested included expenses initially recorded in the improper period and improperly included on the SEFA. The identified error was \$301,717 and was removed from the SEFA as of June 30, 2022.</p> <p data-bbox="362 1474 578 1499"><b>Cause and Effect</b></p> <p data-bbox="362 1522 1487 1644">The failure to establish an effective internal control to review technology services expenditures caused the Purdue Fort Wayne campus to improperly include expenses related to fiscal year 2023 in fiscal year 2022, which was not in compliance with generally accepting accounting principles.</p> <p data-bbox="362 1667 586 1692"><b>Recommendation</b></p> <p data-bbox="362 1715 1487 1799">We recommend that the Purdue Fort Wayne campus ensure employees receive proper training to ensure policies and procedures are followed and expenditures are recorded in the proper period.</p>

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Schedule of Findings and Questioned Costs (Continued)

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Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding
2022-002 (Continued)	<p data-bbox="360 531 1154 558"><b>Views of Responsible Officials and Planned Corrective Actions</b></p> <p data-bbox="360 583 1481 703">The University system, including the Purdue Fort Wayne (PFW) Campus, has internal controls and training in place related to noncatalog purchases and the review of goods receipt/invoice receipt (GRIR) discrepancies. In the case of these two purchase orders, it appears these were isolated instances where established controls were not fully implemented as designed.</p> <p data-bbox="360 726 1481 816">These processes will be covered in staff meetings on all campuses and procurement services will review and update noncatalog order instructions and GRIR report documentation to ensure clear guidance is given.</p>

Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

Section III - Federal Program Audit Findings (Continued)

Reference Number	Finding
2022-003	<p data-bbox="362 531 1170 556"><b>Assistance Listing Number, Federal Agency, and Program Name</b></p> <p data-bbox="362 594 1036 680">Federal Agency: Department of Education Federal Program: COVID-19 Education Stabilization Fund Assistance Listing Number: 84.425F</p> <p data-bbox="362 701 769 730"><b>Finding Type - Material weakness</b></p> <p data-bbox="362 751 623 781"><b>Repeat Finding - Yes</b></p> <p data-bbox="362 802 472 831">2021-003</p> <p data-bbox="362 852 456 882"><b>Criteria</b></p> <p data-bbox="362 903 1487 1173">The Coronavirus Aid, Relief, and Economic Security (CARES) Act Section 18004(e) and the Coronavirus Response and Relief Supplemental Appropriations Act, 2021 Section 314(e) require an institution receiving funds under HEERF I and HEERF II to submit a report to the secretary, at such time and in such a manner as the secretary may require. American Rescue Plan Section 2003 specifies that the same terms and conditions of CRRSAA Section 314 apply to HEERF III funds. While the acts do not explicitly identify procedures by which institutions must report on their uses of HEERF grant funds, pursuant to these requirements, the Department of Education required quarterly public reporting of student portion and institutional portion awards.</p> <p data-bbox="362 1194 1487 1341">Uniform Guidance (2 CFR 200.303(a)) requires nonfederal entities receiving federal awards to establish and maintain effective internal control to reasonably ensure compliance with federal statutes, regulations, and the terms and conditions of the federal award. Effective internal controls should include procedures to ensure reports include accurate and complete information and are submitted timely.</p> <p data-bbox="362 1362 488 1392"><b>Condition</b></p> <p data-bbox="362 1413 1487 1476">The University did not properly design or implement an effective internal control system to ensure HEERF reports were properly completed and posted.</p> <p data-bbox="362 1497 589 1526"><b>Questioned Costs</b></p> <p data-bbox="362 1547 857 1577">There were no questioned costs identified.</p> <p data-bbox="362 1598 464 1627"><b>Context</b></p> <p data-bbox="362 1648 1487 1854">During our testing, we tested one annual report and six quarterly reports submitted by the University. The Purdue Northwest (PNW) campus and Purdue Fort Wayne (PFW) campus did not comply with the HEERF student portion reporting requirement for the quarter ended December 31, 2021 and the quarter ended March 31, 2022, failing to complete quarterly reporting on their websites related to the HEERF student portion. PNW subsequently updated its website on April 10, 2022 and PFW subsequently updated its website on September 30, 2022 to report cumulative information for the HEERF student portion.</p>

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## Schedule of Findings and Questioned Costs (Continued)

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Year Ended June 30, 2022

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

Reference Number	Finding
2022-003 (Continued)	<p data-bbox="362 533 578 558"><b>Cause and Effect</b></p> <p data-bbox="362 581 1481 669">PNW and PFW campuses had not developed a system of internal controls to ensure reports are completed timely and reviewed and submitted in accordance with HEERF reporting requirements.</p> <p data-bbox="362 693 1481 749">The failure to establish an effective internal control caused required reports to not be completed for PNW and PFW campuses.</p> <p data-bbox="362 772 583 798"><b>Recommendation</b></p> <p data-bbox="362 821 1481 877">We recommend the PNW and PFW campuses modify existing internal control structures to include internal controls that would ensure compliance with HEERF reporting requirements.</p> <p data-bbox="362 900 1151 926"><b>Views of Responsible Officials and Planned Corrective Actions</b></p> <p data-bbox="362 949 1481 1073">The PFW office of financial aid director will complete the quarterly reports, and a dual review process will be implemented to ensure accuracy. The quarterly report will be updated on the HEERF site and sent to the assistant director of enrollment and institutional scholarships to post. The information posted will be compared to the reports submitted quarterly.</p> <p data-bbox="362 1096 1481 1245">PNW acknowledges that, while it had the appropriate Institutional HERF reporting completed, they missed updating the required student portion questions and answers that get posted to the reporting webpage. Once that was discovered, it was corrected in April 2022. PNW has ensured that the process now identifies looking at both the combined (updated) reporting PDF and the questions and answers that are required to be posted to the reporting webpage.</p>

# Schedule of Findings and Questioned Costs (Continued)

Year Ended June 30, 2022

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

Reference Number	Finding
2022-004	<p data-bbox="362 531 1170 556"><b>Assistance Listing Number, Federal Agency, and Program Name</b></p> <p data-bbox="362 581 1479 699">Federal Agency: Department of Education Federal Programs: TRIO Student Support Services, TRIO Talent Search, TRIO Upward Bound, and TRIO McNair Post-Baccalaureate Achievement Assistance Listing Numbers: 84.042, 84.044, 84.047, and 84.217</p> <p data-bbox="362 724 797 749"><b>Finding Type</b> - Significant deficiency</p> <p data-bbox="362 774 610 800"><b>Repeat Finding</b> - No</p> <p data-bbox="362 825 456 850"><b>Criteria</b></p> <p data-bbox="362 875 1479 1018">Uniform Guidance (2 CFR 200.510(b)) requires a schedule of expenditures of federal awards (SEFA) that must provide total federal awards expended for each individual federal program and the Assistance Listing Number (ALN) or other identifying number when the Assistance Listing information is not available. For a cluster of programs, the schedule of expenditures of federal awards must also provide the total for the cluster.</p> <p data-bbox="362 1043 488 1068"><b>Condition</b></p> <p data-bbox="362 1094 1479 1182">Purdue did not have adequate controls in place to ensure the SEFA was prepared to include appropriate ALNs for each federal program and federal programs were included in the appropriate cluster.</p> <p data-bbox="362 1207 589 1232"><b>Questioned Costs</b></p> <p data-bbox="362 1257 857 1283">There were no questioned costs identified.</p> <p data-bbox="362 1308 464 1333"><b>Context</b></p> <p data-bbox="362 1358 1479 1623">During our review of the University's SEFA, we noted one TRIO grant with expenditures of \$275,851 that were improperly included within the Research and Development cluster, rather than the TRIO cluster. The University completed an additional review of the SEFA, identifying an additional TRIO grant with expenditures of \$352,099 that were being presented under a placeholder Department of Education ALN and not properly adjusted to the proper ALN. As a result, the TRIO cluster on the SEFA was updated to reflect total expenditures of \$3,608,222, which surpassed the Type A threshold and were required to be tested as a major program. The University conducted a full review of ALNs, and, as a result, 51 ALNs were adjusted. No additional cluster changes were identified.</p> <p data-bbox="362 1648 578 1673"><b>Cause and Effect</b></p> <p data-bbox="362 1698 1479 1841">Purdue University did not have adequate processes and internal control structure in place to ensure appropriate ALNs were ultimately assigned to all grants and that all grants were included in the appropriate cluster. As a result, the TRIO cluster on the SEFA was updated to reflect total expenditures of \$3,608,222, which surpassed the Type A threshold and were required to be tested as a major program.</p> <p data-bbox="362 1866 586 1892"><b>Recommendation</b></p> <p data-bbox="362 1917 1479 2005">We recommend that the University refine its processes and modify its existing internal control structure in place to ensure appropriate ALNs are assigned to all grants and that all grants are included in the appropriate cluster.</p>

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## Schedule of Findings and Questioned Costs (Continued)

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Year Ended June 30, 2022

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

Reference Number	Finding
2022-004 (Continued)	<p data-bbox="360 531 1154 558"><b>Views of Responsible Officials and Planned Corrective Actions</b></p> <ul data-bbox="360 583 1482 863" style="list-style-type: none"><li data-bbox="360 583 1263 611">• A report has been created to identify all grants assigned a placeholder ALN.</li><li data-bbox="360 636 1482 722">• This ALN report will be reviewed monthly by the senior manager of the Award Set-Up Team in Post Award to ensure all placeholder ALNs are appropriately and timely corrected once the proper ALN is known.</li><li data-bbox="360 747 1482 863">• Annually, as the SEFA is prepared, a full review of all grants assigned a placeholder ALN will be conducted by the assistant director of Post Award and the assistant director of Research Quality Assurance and any misassigned ALNs will be appropriately corrected before the SEFA is created.</li></ul>