# STATE BOARD OF ACCOUNTS <br> 302 West Washington Street Room E418 INDIANAPOLIS, INDIANA 46204-2769 

FEDERAL SINGLE AUDIT REPORT<br>PURDUE UNIVERSITY<br>WEST LAFAYETTE, INDIANA

July 1, 2015 to June 30, 2016


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## sCHEDULE OF UNIVERSITY OFFICIALS

| Office | Official | Term |
| :--- | :--- | :---: |
| President | Mitchell E. Daniels, Jr. | $07-01-15$ to 06-30-17 |
| Treasurer and Chief <br> Financial Officer | William E. Sullivan | $07-01-15$ to 06-30-17 |
| Senior Vice President for <br> Business Services <br> and Assistant Treasurer <br> Executive Vice President <br> for Research and Partnerships <br> Chairman of the <br> Board of Trustees | Suresh Garimella | $07-01-15$ to 06-30-17 |



## STATE OF INDIANA

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

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

We have audited the financial statements of the business-type activities and the aggregate discretely presented component units of Purdue University (University), a component unit of the State of Indiana, as of and for the year ended June 30, 2016, and have issued our report thereon dated October 12, 2016, which contained unmodified opinions on those financial statements. Our audit was performed for the purpose of forming opinions on the financial statements as a whole. We have not performed any procedures with respect to the audited financial statements subsequent to October 12, 2016. Our report includes a reference to other auditors who audited the financial statements of the Purdue Research Foundation (Foundation), as described in our report on the University's financial statements.

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

Paul D. Joyce, CPA State Examiner

October 12, 2016

STATE OF INDIANA

# INDEPENDENT AUDITOR'S 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 

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

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in Government Auditing Standards issued by the Comptroller General of the United States, the financial statements of the business-type activities and the aggregate discretely presented component units of Purdue University (University), a component unit of the State of Indiana, as of and for the year ended June 30, 2016, 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 12, 2016. Our report includes a reference to other auditors who audited the financial statements of the Purdue Research Foundation (Foundation), as described in our report on the University's financial statements. The financial statements of the Foundation were not audited in accordance with Government Auditing Standards. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors.

## Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered the University's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our 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 combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the University's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

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

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

(Continued)

## Compliance and Other Matters

As part of obtaining reasonable assurance about whether the University's financial statements are free 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 determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit and, accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under Government Auditing Standards.

## Purpose of This Report

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

Paul D. Jage

Paul D. Joyce, CPA
State Examiner

October 12, 2016


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

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

## Report on Compliance for Each Major Federal Program

We have audited Purdue University's (University) compliance with the types of compliance requirements described in the OMB Compliance Supplement that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2016. The University's major federal programs are identified in the Summary of Auditor's Results section of the accompanying Schedule of Findings and Questioned Costs.

## Management's Responsibility

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

## Auditor's Responsibility

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

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

## Opinion on Each Major Federal Program

In our opinion, the University complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2016.

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

## Report on Internal Control over Compliance

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

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

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

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

Paul D. Joge<br>Paul D. Joyce, CPA<br>State Examiner

February 22, 2017
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS AND ACCOMPANYING NOTES

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

## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


## Department of Agricultur

Direct Programs by CFDA

|  | 10.000 | U.S. Department of Agriculture | Unknown | 109,562 | - |  | - | 296,293 | - | 405,855 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 10.001 | Agricultural Research_Basic and Applied Research | - | 2,527,678 | 110,241 |  | - | 1,968 | - | 2,529,646 | 110,241 |
|  | 10.025 | Plant and Animal Disease, Pest Control, and Animal Care | - | 609,894 | - |  | - | 157,302 | - | 767,196 |  |
|  | 10.028 | Wildlife Services | - | 120,458 | - | - | - | - | - | 120,458 |  |
|  | 10.054 | Emergency Conservation Program | - | - | - |  | - | 4,665 | - | 4,665 |  |
|  | 10.163 | Market Protection and Promotion | - | - | - | - | - | 102,497 | - | 102,497 |  |
|  | 10.200 | Grants for Agricultural Research, Special Research Grants | - | 1,176,212 | 348,822 |  | - | 15,258 | - | 1,191,470 | 348,822 |
|  | 10.202 | Cooperative Forestry Research | - | 50,268 | - | - | - | - | - | 50,268 |  |
|  | 10.203 | Payments to Agricultural Experiment Stations Under the Hatch Act | - | 6,808,485 | - |  | - | 1,321 | - | 6,809,806 |  |
|  | 10.210 | Food and Agricultural Sciences National Needs Graduate Fellowship Grants | . | - | - |  | - | 79,828 | - | 79,828 |  |
|  | 10.217 | Higher Education Challenge Grants | - | - | - | - | - | 253,451 | 141,084 | 253,451 | 141,084 |
|  | 10.220 | Higher Education Multicultural Scholars Program | - | - | - |  | - | 88,923 | - | 88,923 |  |
|  | 10.226 | Secondary and Two-Year Postsecondary Agriculture Education Challenge Grants |  | - | - |  | - | 27,310 | - | 27,310 |  |
|  | 10.250 | Agricultural and Rural Economic Research | . | 183,876 | - |  | - | - | - | 183,876 |  |
| $\underset{\mathrm{t}}{\stackrel{\rightharpoonup}{\mathrm{a}}}$ | 10.255 | Research Innovation and Development Grants in Economics (RIDGE) | - | 287,555 | 217,826 |  | - | - | - | 287,555 | 217,826 |
|  | 10.290 | Agricultural Market and Economic Research | - | 77,394 | - | - | - | - | - | 77,394 |  |
|  | 10.303 | Integrated Programs | - | 209,547 | - | - | - | - | - | 209,547 |  |
|  | 10.304 | Homeland Security_Agricultural | - | 21,652 | - | - | - | 565,989 | 114,471 | 587,641 | 114,471 |
|  | 10.307 | Organic Agriculture Research and Extension Initiative | - | 311,099 | 177,661 |  | - | - | - | 311,099 | 177,661 |
|  | 10.309 | Specialty Crop Research Initiative | - | 822,195 | 447,398 |  | - | - | - | 822,195 | 447,398 |
|  | 10.310 | Agriculture and Food Research Initiative | - | 4,753,462 | 2,146,296 | - | - | 215,118 | - | 4,968,580 | 2,146,296 |
|  | 10.311 | Beginning Farmer and Rancher Development Program | - | . | - |  | - | 169,788 | 14,540 | 169,788 | 14,540 |
|  | 10.318 | Women and Minorities in Science, Technology, Engineering, and Mathematics Fields | - | $(5,608)$ | - |  | - | - | - | $(5,608)$ |  |
|  | 10.329 | Crop Protection and Pest Management Competitive Grants Program | - | 68,224 | 6,292 |  | - | 194,618 | - | 262,842 | 6,292 |
|  | 10.475 | Cooperative Agreements with States for Intrastate Meat and Poultry Inspection | . | - | - | - | - | 21,105 | - | 21,105 |  |
|  | 10.477 | Meat, Poultry, and Egg Products Inspection | - | 574,759 | - | - | - | - | - | 574,759 |  |
|  | 10.500* | Cooperative Extension Service | - | 150,669 | 16,159 | - | - | 13,804,238 | 1,701,341 | 13,954,907 | 1,717,500 |
|  | 10.652 | Forestry Research | - | 493,917 | - | - | - | - | - | 493,917 |  |
|  | 10.680 | Forest Health Protection | - | 31,539 | - | - | - | 48,955 | 30,464 | 80,494 | 30,464 |
|  | 10.777 | Norman E. Borlaug International Agricultural Science and Technology Fellowship | - | - | - | - | - | 15,344 | - | 15,344 |  |
|  | 10.868 | Rural Energy for America Program | - | - | - | - | - | 32,888 | - | 32,888 |  |

[^0]The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

## Purdue University

Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016

| Grantor | $\begin{gathered} \text { CFDA } \\ \text { No. } \\ \hline \end{gathered}$ |  | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | CFDA Title/Pass-Through Grantor |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  | 10.902 | Soil and Water Conservation | - | 178,485 | - |  |  | - | - | - | 178,485 | - |
| Department of Agriculture (continued) |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 10.912 | Environmental Quality Incentives Program | - | 64,498 | - |  |  | - | 96,763 | - | 161,261 | - |
|  | 10.960 | Technical Agricultural Assistance | - | - | - |  |  | - | 126,546 | 13,356 | 126,546 | 13,356 |
|  | 10.961 | Scientific Cooperation and Research | - | - | - |  |  | - | 22,339 | 11,616 | 22,339 | 11,616 |
|  | 10.962 | Cochran Fellowship Program-International TrainingForeign Participant |  | - | - |  |  | - | 36,234 | - | 36,234 | - |
| Total Direct Program |  |  |  | 19,625,820 | 3,470,695 |  |  | $\cdot$ | 16,378,741 | 2,026,872 | 36,004,561 | 5,497,567 |


| Pass-Through Grantors by CFDA |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 10.000 | U.S. Department of Agriculture |  | 3,304 | - | - | - | - | - | 3,304 |
|  | Grantor: ** Michigan State University | RC068341 |  |  |  |  |  |  |  |
|  | Grantor: **P3 Nano | P3-1 | 18,395 | - | - | - | - | - | 18,395 |
|  |  | P3-3 | 88,249 | - | - | - | - | - | 88,249 |
|  | *** P3 Nano Total |  | 106,644 | - | - | - | - | - | 106,644 |
|  | Grantor: *** U of Kentucky CTR for Poverty Res | 3048109631-14-015 | 4,075 | - | - | - | - | - | 4,075 |
|  | Total CFDA No. 10.000 |  | 114,023 | - | - | - | - | - | 114,023 |
| 10.001 | Agricultural Research_Basic and Applied Research |  |  |  |  |  |  |  |  |
|  | Grantor: *** Agricultural Research Service | 58-3602-4-016 | 24,739 | - | - | - | - | - | 24,739 |
|  |  | 59-3602-3-005 | 1,047 | $\cdot$ | $\cdot$ | - | - | - | 1,047 |
|  |  | 59-3602-3-006 | 16,791 | - | - | - | - | - | 16,791 |
|  |  | 59-3655-2-629 | 127,002 | - | - | - | - | - | 127,002 |
|  |  | 59-5012-5-008 | 25,213 | - | - | - | - | - | 25,213 |
|  |  | 59-5020-6-001 | 23,470 | - | - | - | - | - | 23,470 |
|  | Total *** Agricultural Research Service |  | 218,262 | - | - | - | - | - | 218,262 |
|  | Grantor: *** Texas A\&M AgriLife Research | 06-S150626 | 11,689 | - | $\cdot$ | - | - | - | 11,689 |
|  | Total CFDA No. 10.001 |  | 229,951 | - | - | $\checkmark$ | - | - | 229,951 |
| 10.025 | Plant and Animal Disease, Pest Control, and Animal Care |  |  |  |  |  |  |  |  |
|  | Grantor: *** Cornell University <br> Grantor: *** Kansas State University <br> Grantor: *** University Of New Mexico <br> Grantor: *** IN Department of Natural <br> Resources | 74605-10469 | 19,986 | - | - | - | - | - | 19,986 |
|  |  | S16026 | 2,750 | - | - | - | - | - | 2,750 |
|  |  | 0480CQ-87V3 | - | - | - | - | (100) | - | (100) |
|  |  | E4-15-KP0003 | 1,953 | - | - | - | - | - | 1,953 |
|  |  | EDS E4-16-K0001 | 54,927 | $\cdot$ | - | - | - | - | 54,927 |
|  |  | EDS E4-16-KP0002 | 44,047 | $\cdot$ | $\cdot$ | - | $\cdot$ | - | 44,047 |
|  | Resources Total <br> IN Department of Natural |  | 100,927 | - | - | - | - | - | 100,927 |
|  | Grantor: ** Xavier University | USDA-2016-01 | 4,729 | $\cdots$ | $\cdot$ | $\cdot$ | $\cdot$ | $\cdot$ | 4,729 |
|  | Total CFDA No. 10.025 |  | 128,392 | $\cdot$ | - | - | (100) | $\cdot$ | 128,292 |

10.156 Federal-State Marketing Improvement Program

[^1]
## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016


[^2]
## Purdue University

Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016



[^3]The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


[^4]The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

## Purdue University

## Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016

| Grantor | $\begin{gathered} \text { CFDA } \\ \text { No. } \\ \hline \end{gathered}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  | Total CFDA No. 10.500 |  | 41,379 | - |  |  | - | 1,899,506 | 728,514 | 1,940,885 | 728,514 |
|  | 10.557 | Special Supplemental Nutrition Program for Women, | ants, and Children |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: *** in State Department of Health | 13498 | - | - |  |  | - | 10,215 | - | 10,215 |  |
|  |  | Total CFDA No. 10.557 |  | - |  |  |  | - | 10,215 | - | 10,215 |  |
| Department of Agriculture (continued) |  |  |  |  |  |  |  |  |  |  |  |  |
| Child Nutrition Cluster |  |  |  |  |  |  |  |  |  |  |  |  |
| 10.559 |  | Summer Food Service Program for Children |  |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: ${ }^{* * *} \mathbb{N}$ Department of Education | 15109148 | - | - | - |  | - | 43,838 | - | 43,838 |  |
|  |  | 15110250 | - | - | . |  | - | 3,501 | - | 3,501 |  |
|  |  | 151198915 | - | - | - |  | - | 895 | - | 895 | - |
|  |  | 15121355 | - | - |  |  | - | 7,627 | - | 7,627 | - |
|  |  | Total *** IN Department of Education | - |  | - |  | - | 55,861 | - | 55,861 |  |
|  |  | Total CFDA No. 10.559 | - |  | - |  | - | 55,861 | - | 55,861 |  |
|  |  | Total Child Nutrition Cluster | - | - | - |  | - | 55,861 | - | 55,861 | - |
| $\stackrel{\rightharpoonup}{\dot{1}}$ | SNAP Cluster |  |  |  |  |  |  |  |  |  |  |  |
|  | 10.561 |  | State Admin Matching Grants for the Supplemental Nutrition Assistance Program |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $\begin{aligned} & \text { Grantor: }{ }^{* * *} \text { IN Family \& Social Services } \\ & \text { Admin } \\ & \hline \end{aligned}$ | F1-2-79-12-LR-0374 | - | - | - |  | - | 6,670,018 | - | 6,670,018 |  |
|  |  |  | Total CFDA No. 10.561 |  | - | - | - |  | - | 6,670,018 | - | 6,670,018 | - |
|  |  | Total SNAP Cluster |  | - | - | - |  | - | 6,670,018 | - | 6,670,018 | - |
|  | 10.652 | Forestry Research |  |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: *** US Endowment Forestry Communities | E15-16 | 12,789 | - |  |  | - | - | - | 12,789 |  |
|  |  | Total CFDA No. 10.652 |  | 12,789 | - | - |  | - | - | - | 12,789 | - |
|  | 10.771 | Rural Cooperative Development Grants |  |  |  |  |  |  |  |  |  |  |
|  |  | $\qquad$ Center | 4121033 | - | - | - |  | - | 72,360 | - | 72,360 | - |
|  |  | Grantor: ** Mississippi State University | 018000.340452.22 | 96,598 | 64,705 | - |  | - | - | - | 96,598 | 64,705 |
|  |  | Total CFDA No. 10.771 |  | 96,598 | 64,705 | - |  | - | 72,360 | - | 168,958 | 64,705 |
|  | 10.902 | Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
|  |  | $\qquad$ | 15087816 | 57,747 | - | - |  | - | - | - | 57,747 |  |
|  |  | Total CFDA No. 10.902 |  | 57,747 | - | - |  | - | - | - | 57,747 | - |
|  | 10.912 | Environmental Quality Incentives Program |  | 27,316 |  |  |  |  |  |  |  |  |
|  |  | $\qquad$ Conserv Dist | 12098278 |  | - |  |  | - | - | - | 27,316 | - |
|  |  | $\begin{aligned} & \text { Grantor: *** Conservation Technology } \\ & \text { Information Ctr } \end{aligned}$ | 13109145 | - | - | - |  | - | 55,691 | - | 55,691 | - |
|  |  | Grantor: *** Farm Foundation | $693 A 7516007$ | - | - | - |  | - | 33,171 | - | 33,171 | - |
|  |  | Total CFDA No. 10.912 |  | 27,316 | - | - |  | - | 88,862 | - | 116,178 | - |

[^5]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

| Grantor | $\begin{aligned} & \text { CFDA } \\ & \text { No. } \end{aligned}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
| 10.960 |  | Technical Agricultural Assistance |  |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: *** University Of Minnesota | H005269701 | 12,431 | - |  |  | - | - | - | 12,431 | - |
|  |  | Total CFDA No. 10.960 |  | 12,431 | - |  |  | - | - | - | 12,431 | - |
| Total Pass-Through Grantors |  |  |  | 3,054,047 | 168,037 |  |  | - | 9,320,227 | 728,514 | 12,374,274 | 896,551 |
| Department of Agriculture (continued) |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Department of Agriculture |  |  |  | 22,679,867 | 3,638,732 |  |  | $\cdot$ | 25,698,968 | 2,755,386 | 48,378,835 | 6,394,118 |

## Department of Commerce

Direct Programs by CFDA


Pass-Through Grantors by CFDA
11.000 U.S. Department of Commerce


## Economic Development Cluster

| 11.307 | Economic Adjustment Assistance |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: *** Battery Innovation Center | 13011615 | 4,994 | - | - | - | 78,880 | - | 83,874 |
|  | Total CFDA No. 11.307 |  | 4,994 | - | - | - | 78,880 | - | 83,874 |
|  | Total Economic Development Cluster |  | 4,994 | - | - | - | 78,880 | - | 83,874 |

[^6]Purdue University
Schedule of Expenditures of Federal Awards
Year ended June 30, 2016


[^7]
## Purdue University

Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016

|  CFDA <br> Grantor  <br> No.  |  | CFDA Title/Pass-Through Grantor |  | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Federal Awards Expended | Expenditures to Subrecipients |  | Federal Awards Expended | Expenditures to Subrecipients |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  |  |  | Total CFDA No. | \%. 11.609 |  | 532,405 | - |  |  |  |  | - | 532,405 | - |
|  | 11.611 | Manufacturing Exte | ension Partnership |  |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: Corporation | *** IN Economic Development | 70NANB10H156 | - | - |  |  | - | 1,671 | - | 1,671 | - |
|  |  | Total CFDA No. | ¢. 11.611 |  | - | - |  |  |  | 1,671 |  | 1,671 |  |
| Total Pass-Through Grantors |  |  |  |  | 877,086 | 26,147 |  |  | - | 717,098 | - | 1,594,184 | 26,147 |
| Department of Commerce (continued) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Department of Commerce |  |  |  |  | 2,199,864 | 63,903 |  |  | - | 3,569,813 | 54,479 | 5,769,677 | 118,382 |

## Department of Defense

Air Force
Direct Programs by CFDA

| 12.000 | U.S. Department of Defense | 14-EPA-RQ-02 | 105,377 | - | - | - | - | - | 105,377 | 0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | PO Jo30 | 12,492 | - | - | - | - | - | 12,492 | 0 |
|  |  | FA8651-16-D-0287 | 169,981 | - | - | - | - | - | 169,981 | 0 |
|  | Total CFDA No. 12.000 |  | 287,850 | - | - | - | - | - | 287,850 | - |
| 12.351 | Basic Scientific Research - Combating Weapons of Mass Destruction |  | 73,438 | - | - | - | - | - | 73,438 | 0 |
| 12.800 | Air Force Defense Research Sciences Program | - | 3,649,764 | 199,766 | - | - | - | - | 3,649,764 | 199,766 |
| 12.910 | Research and Technology Development | - | 201,507 | 70,898 | - | - | - | - | 201,507 | 70,898 |
| Total D | gram |  | 4,212,559 | 270,664 | - | - | - | - | 4,212,559 | 270,664 |

Pass-Through Grantors by CFDA
12.000 U.S. Department of Defense

|  |  | $(1,176)$ | - | - | - | - | - | $(1,176)$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor: *** P. C. Krause And Associates, Inc. | 14240915-P0001 |  |  |  |  |  |  |  |
| Grantor: *** Universal Technology Corporation | 14-S7405-17-C1 | 7,897 | - | - | - | - | - | 7,897 |
|  | 14-S7405-20-C1 | 12,163 | - | - | - | - | - | 12,163 |
|  | 15-S7138-01-C1 | 147,586 | - | - | - | - | - | 147,586 |
| $\qquad$ |  | 167,646 | - | - | - | - | - | 167,646 |
| Grantor: ${ }^{* * *}$ IN Space, LLC | INS-21109-1 | 18,949 | - | - | - | - | - | 18,949 |
| Grantor: *** Spectral Energies, LLC | SB1207-001-2 | 41,992 | - | - | - | - | - | 41,992 |
|  | SB1402-001-1 | 71,986 | - | - | - | - | - | 71,986 |
|  | SB1511-001-1 | 46,005 | - | - | - | - | - | 46,005 |
| ** Spectral Energies, LLC Total |  | 159,983 | - | - | - | - | - | 159,983 |
| Grantor: *** Applied Research Associates, Inc | S-001460.00001.PDU | 234,136 | - | - | - | - | - | 234,136 |
| Grantor: *** Rolls-Royce, Inc. | PO: 5100001962 | $(5,018)$ | - | - | - | - | - | $(5,018)$ |
| Grantor: *** Alion Contracting | SUB 1122422-001 | 2,725 | - | - | - | - | - | 2,725 |

[^8]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


[^9]
## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016

| $\begin{array}{cc} \\ \text { Grantor } & \text { CFDA } \\ \text { No. }\end{array}$ |  | CFDA Title/Pass-Through Grantor |  | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Federal Awards Expended | Expenditures to Subrecipients |  | Federal Awards Expended | Expenditures to Subrecipients |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  |  |  | Grantor: ${ }^{\text {* }}$ | *** University Of Michigan | 3002085643 | 466 | - |  |  |  |  |  | 466 |  |
|  |  | Grantor: * | *** University Of Notre Dame | 202527PU | 29,531 | - |  |  |  | - |  | 29,531 |  |
|  |  | Grantor: * | ***Vanderbilt University | 3091-01093 | 92,201 | - |  |  |  | - |  | 92,201 |  |
|  |  | Grantor: * | *** Utah State University | 120998001 | 138,909 | - |  |  |  | - |  | 138,909 |  |
|  |  | Grantor: * | *** Carregie-Mellon University | 1150119-294739 | 294,588 | - |  |  |  | - |  | 294,588 |  |
|  |  | Grantor: * | ** Case Western Reserve University | RES506635 | 188,388 | - |  |  |  | - |  | 188,388 |  |
| Department of Defense (continued) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: * | *** University Of California-Riverside | S-000563 | 59,804 | - |  |  |  | - |  | 59,804 |  |
|  |  |  |  | S-000701 | 206,205 | - |  |  |  | - |  | 206,205 |  |
|  |  | Total ** | ** University Of California-Riverside |  | 266,009 | - |  |  |  | - |  | 266,009 |  |
|  |  | Grantor: * | *** Special Metals Corp. | 14022349 | (447) | - |  |  |  | - |  | (447) |  |
|  |  | Grantor: * | *** Stanford University | 29017320-51649-D | 215,052 | - |  |  |  | - |  | 215,052 |  |
|  |  | Grantor: * | *** Georgia Tech | RB267-G7 | 49,999 | - |  |  |  | - |  | 49,999 |  |
|  |  | Grantor: * | *** University Of Missouri-Columbia | C00047989-1 | 76,775 | - |  |  |  | - |  | 76,775 |  |
|  |  | Grantor: * | *** University of Colorado at Boulder | 1553330 | 18,699 | - |  |  |  | - |  | 18,699 |  |
|  |  | Grantor: Dynamics | *** Von Karman Inst for Fluid | FA9550-16-1-0120 | 16,521 | - |  |  |  | - |  | 16,521 |  |
|  |  | Grantor: * | *** Rensselaer Polytechnic Institute | A12718 PO 183154 | 2,221 | - |  |  |  | - |  | 2,221 | - |
|  |  | Total CFDA No. | \%. 12.800 |  | 2,400,599 | 20,085 |  |  |  | - |  | 2,400,599 | 20,085 |
| Total Pass-Through Grantors |  |  |  |  | 4,875,750 | 80,357 |  |  |  | 293,877 |  | 5,169,627 | 80,357 |
| Total Air Force |  |  |  |  | 9,088,309 | 351,021 |  |  |  | 293,877 |  | 9,382,186 | 351,021 |

Army
Direct Programs by CFDA

| 12.001 | U.S. Department of Defense | W911NF-10-2-0060 | 127,905 | - | - | - | - | - | 127,905 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | W91CRB-10-D-0029 | 24,288 | - | - | - | - | - | 24,288 | - |
|  |  | W9132T-10-2-0056 | 4,419 | - | - | - | - | - | 4,419 | - |
|  |  | W91CRB-14-C-0025 | 164,904 | - | - | - | - | - | 164,904 | - |
|  |  | W912HQ-14-C-0047 | 129,652 | 11,628 | - | - | - | - | 129,652 | 11,628 |
|  |  | W81XWH-14-1-0588 | 126,115 | - | - | - | - | - | 126,115 | - |
|  |  | 15033225 | 59,451 | - | - | - | - | - | 59,451 | - |
|  |  | W911NF-16-2-0020 | 876,498 | - | - | - | - | - | 876,498 | - |
|  |  | NTP15098212 | 21,339 | - | - | - | - | - | 21,339 | - |
|  | Total CFDA No. 12.000 |  | 1,534,571 | 11,628 | - | - | - | - | 1,534,571 | 11,628 |

[^10]
## Purdue University

## Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016

| Grantor $\begin{gathered}\text { CFDA } \\ \text { No. }\end{gathered}$ |  |  | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  | 12.300 | Basic and Applied Scientific Research |  |  | 26,242 | - |  |  |  |  | 26,242 |  |
|  | 12.420 | Military Medical Research and Development |  | 1,885,509 | 282,191 |  |  |  |  | 1,885,509 | 282,191 |
|  | 12.431 | Basic Scientific Research |  | 1,083,542 | - |  |  |  |  | 1,083,542 | - |
|  | 12.630 | Basic, Applied, and Advanced Research in Science and Engineering |  | 17,683 | - |  |  |  |  | 17,683 | - |
|  | Total Direc | gram |  | 4,547,547 | 293,819 |  |  |  |  | 4,547,547 | 293,819 |

Department of Defense (continued)

## Pass-Through Grantors by CFDA

12.000 U.S. Department of Defense

| Grantor: ** Battelle Memorial Institute | 504872 | 379,107 | 282,855 | - | - | - | - | 379,107 | 282,855 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor: ** Raytheon | W911NF-09-2-0053 | 12,932 | - | - |  | - | - | 12,932 |  |
| Grantor: *** University Of New South Wales | W911NF-13-1-0024 | 116,981 | - | - | - | - | - | 116,981 |  |
| Grantor: ** Georgia Institute Of Technology | RC217-G6 | 26,450 | - | - | - | - | - | 26,450 |  |
| Grantor: *** University Of California-Los Angeles | 0142SQA032 | 238,945 | - | - | - | - | - | 238,945 |  |
| Grantor: *** University Of Copenhagen | W911NF-12-1-0354 | 47,031 | - | - | - | - | - | 47,031 |  |
| Grantor: *** Luna Innovations Incorporated | 2543-ARM-2S/PURDUE | 10,227 | - | - |  | - | - | 10,227 |  |
| Grantor: ***VaxForm, LLC | W81xWH-12-C-0183 | 74,496 | - | - | - | - | - | 74,496 |  |
| Grantor: *** Leidos | P010170864 | - | - | - | - | 122,210 | - | 122,210 |  |
| Grantor: *" Memtronics Corporation | 752953681-13001 | 28,718 | - | - | - | - | - | 28,718 |  |
| Grantor: **S Scitor Corporation | G1125.03_14_PUR11-000 | (466) | - | - | - | - | - | (466) |  |
|  | 07983.04S1 | 71,346 | - | - | - | - | - | 71,346 |  |
| ** CUBRC Inc Total |  | 71,346 | - | - | - | - | - | 71,346 |  |
| Grantor: ** Sonrisa Research Inc | 16011871 | 530,420 | - | - | - | - | - | 530,420 |  |
| Total CFDA No. 12.000 |  | 1,536,187 | 282,855 | - | - | 122,210 | - | 1,658,397 | 282,855 |
| Military Medical Research and Development |  |  |  |  |  |  |  |  |  |
| Grantor: *** IU School Of Medicine | IN-4388001-PU | 27,542 | - | - | - | - | - | 27,542 |  |
| Grantor: *** KCF Technologies Inc | 2015-PUR-0193 | 11,420 | - | - | - | - | - | 11,420 |  |
| Total CFDA No. 12.420 |  | 38,962 | - | - | - | - | - | 38,962 |  |
| asic Scientific Research |  |  |  |  |  |  |  |  |  |
| Grantor: ** Cornell University | 74063-10466 | 93,501 | - | - | - | - | - | 93,501 |  |
| Grantor: *** Indiana University | BL-4329734-PU | 17,148 | - | - | - | - | - | 17,148 |  |
| Grantor: **N Norfolk State University | F1040059 | 78,566 | - | - | - | - | - | 78,566 |  |
| Grantor: *** Ohio State University | 60046657 | 42,704 | - | - | - | - | - | 42,704 |  |
| Grantor: *** University Of Michigan | 3002778250 | 133,418 | 13,741 | - | - | - | - | 133,418 | 13,741 |
| Grantor: *** University Of Texas At Dallas | 1300505 | 11,111 | - | - | - | - | - | 11,111 |  |
| Grantor: "* Duke University | 10-ARO-1047 | 52,897 | - | - | - | - | - | 52,897 |  |
| Grantor: *** University Of Wisconsin-Madison | 419 K 823 | 88,080 | - | - | - | - | - | 88,080 |  |
| Grantor: *** University of Sydney | G170302 | 147,457 | - | - | - | - | - | 147,457 |  |

[^11]
## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016

|   <br> Grantor $\begin{array}{c}\text { CFDA } \\ \text { No. }\end{array}$ |  | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Federal Awards Expended |  | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  | 12.611 |  | Grantor: *** Baylor University | 37050214-01 | 22,748 |  |  |  | - |  |  | 22,748 | - |
|  |  | Total CFDA No. 12.431 |  | 687,630 | 13,741 |  |  | - | - |  | 687,630 | 13,741 |
|  |  | Community Economic Adjustment Planning Assistance for Reductions in Defense Indu |  |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: *** University Of Michigan | 3003171486 | - |  |  |  | - | 261,733 |  | 261,733 | - |
|  | 12.630 | Total CFDA No. 12.611 |  | - | - |  |  | - | 261,733 |  | 261,733 | - |
|  |  | Basic, Applied, and Advanced Research in Science and | Engineering |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: *** University Of Delaware | 35386 | 8,364 | - |  |  | - | - |  | 8,364 | - |
| Department of Defense (continued) |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 38659 | 74,400 | - |  |  | - | - |  | 74,400 | - |
|  |  |  | 42145 | 26,259 | - |  |  | - | - |  | 26,259 | - |
|  |  | *** University Of Delaware Total |  | 109,023 | - |  |  | - | - |  | 109,023 | - |
|  |  | Total CFDA No. 12.630 |  | 109,023 | - |  |  | - | - |  | 109,023 | - |
| Total Pass-Through Grantors |  |  |  | 2,371,802 | 296,596 |  |  | - | 383,943 |  | 2,755,745 | 296,596 |
| Total Army |  |  |  | 6,919,349 | 590,415 |  |  | - | 383,943 |  | 7,303,292 | 590,415 |

## Defense Advanced Research Projects Agency

Direct Programs by CFDA


[^12]**denotes pass-through agency
The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016


Navy

## Department of Defense (continued)

Direct Programs by CFDA

| 12.000 | U.S. Department of Defense | N41756-14-C-3292 | 210,073 | - | - | - | - | - | 210,073 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | N00189-14-P-Z169 | - | - | - | - | 11,128 | - | 11,128 | - |
|  |  | N00189-15-P-Z104 | - | - | - | - | 25,000 | - | 25,000 | - |
|  | Total CFDA No. 12.000 |  | 210,073 | - | - | - | 36,128 | - | 246,201 | - |
| 12.300 | Basic and Applied Scientific Research | - | 4,266,602 | 45,804 | - | - | - | - | 4,266,602 | 45,804 |
| 12.910 | Research and Technology Development | - | 211,003 | 141,319 | - | - | - | - | 211,003 | 141,319 |
| Total | gram |  | 4,687,678 | 187,123 | - | - | 36,128 | - | 4,723,806 | 187,123 |

Pass-Through Grantors by CFDA
12.000 U.S. Department of Defense

| Grantor: *** Bae Systems Advanced Technologies, Inc. | 801017 | (802) | - | - | - | - | - | (802) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 918668 | 183,798 | - | - | - |  | - | 183,798 |  |
| *** Bae Systems Advanced <br> Technologies, Inc. Total |  | 182,996 | - | - | - | - | - | 182,996 |  |
| Grantor: *** Florida State University | R01683 | 668 | - | - | - |  | - | 668 |  |
| Grantor: *** GE Aviation | PO 14R5121516 | 23,793 | - | - | - | - | - | 23,793 |  |
| Grantor: *** Ultramet | PO 11611 | - | - | - | - | 4,219 | - | 4,219 |  |
| Inc. Grantor: *** Charles Stark Draper Laboratory, | SC001-0000000951 | 20,208 | - | - | - | - | - | 20,208 |  |
| Grantor: *** Indiana Microelectronics LLC | 12097721 | 89,844 | - | - | - | - | - | 89,844 |  |
| Grantor: *** DYNSAN, LLC | PO 128 | 34,603 | - | - | - | - | - | 34,603 |  |
| Grantor: *** Helicon Chemical Company | 15022302 | 1,873 | - | - | - | - | - | 1,873 |  |
| Grantor: *** CORVID Technologies | 15-002 | 42,243 | - | - | - |  | - | 42,243 |  |
|  | 16-006 | 6,858 | - | - | - |  | - | 6,858 |  |
| Grantor: *** Bollinger Shipyards Lockport LLC | PO 590714 | 23,434 | - | - | - | - | - | 23,434 |  |
| Grantor: *** IBC Materials and Tech Inc | PO MAT-3146 | - | - | - | - | 13,885 | - | 13,885 |  |
| Grantor: *** American Lightweight Materials | 0003A-7 | 406 | - | - | - | - | - | 406 |  |
|  | PO 0025 |  | - | - | - | 49,792 | - | 49,792 |  |
| *** American Lightweight Materials <br> MF Inst Total |  | 406 | - | - | - | 49,792 | - | 50,198 | - |

[^13]
## Purdue University

Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016



べ
Other DOD Agencies
Direct Programs by CFDA

| 12.000 | U.S. Department of Defense | P.O.714289 | - | - | - | - | 16,762 | - | 16,762 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | HQ0147-12-C-6023 | 9,568 | - | - | - | - | - | 9,568 | - |
|  |  | HQ0147-10-C-6001 | $(11,692)$ | - | - | - | - | - | $(11,692)$ | - |
|  |  | HQ0147-15-C-6003 | 213,266 | - | - | - | - | - | 213,266 | - |
|  |  | IPA15098053 | 129,013 | - | - | - | - | - | 129,013 | - |
|  |  | HQ014715-C-6009 | 399,263 | - | - | - | - | - | 399,263 | - |
|  |  | HQ0147-16-C-6001 | 69,259 | - | - | - | - | - | 69,259 | - |
|  |  | HQ0147-16-C-6005 | 228,227 | - | - | - | - | - | 228,227 | - |
|  |  | IPA MELISSA DARK | - | - | - | - | 4,625 | - | 4,625 | - |
|  |  | N00174-16-C-0007 | 17,537 | - | - | - | - | - | 17,537 | - |
|  | Total CFDA No. 12.000 |  | 1,054,441 | - | - | - | 21,387 | - | 1,075,828 | - |
| 12.300 | Basic and Applied Scientific Research | - | 27,313 | - | - | - | - | - | 27,313 |  |
| 12.351 | Basic Scientific Research - Combating Weapons of Mass Destruction |  | 894,420 | 329,332 | - | - | - | - | 894,420 | 329,332 |
| 12.630 | Basic, Applied, and Advanced Research in Science and Engineering |  | 11,575 | 11,575 | - | - | - | - | 11,575 | 11,575 |
| * denotes major programs |  |  |  |  |  |  |  |  |  |  |
| ***denotes pass-through agency ${ }^{\text {The accompaning notes are an integral part of the Schedule of Expenditures }}$ |  |  |  |  |  |  |  |  |  | SA-22 |
|  |  |  |  |  |  |  |  |  |  |  |

## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

| $\begin{array}{cc}\text { Grantor } & \text { CFDA } \\ \text { No. }\end{array}$ |  | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Federal Awards Expended |  | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  | 12.901 |  | Mathematical Sciences Grants Program | - | 18,925 | - |  |  | - - |  | 18,925 |  |
|  | 12.902 | Information Security Grants | - | 101,654 | - |  |  | - |  | 101,654 | - |
|  | 12.903 | GenCyber Grants Program | - | 33,308 | - |  |  | 46,661 |  | 79,969 | - |
|  | 12.910 | Research and Technology Development | - | 2,328,926 | 163,740 |  |  | - |  | 2,328,926 | 163,740 |
|  | Total Direc | gram |  | 4,470,562 | 504,647 |  |  | 68,048 |  | 4,538,610 | 504,647 |

Pass-Through Grantors by CFDA
12.000 U.S. Department of Defense


Department of Defense (continued)

12.630 Basic, Applied, and Advanced Research in Science and Engineering

[^14]
## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016

| Grantor | $\begin{aligned} & \text { CFDA } \\ & \text { No. } \end{aligned}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  | Grantor: *** UI Labs | PROJ. 404-65-05C | 38,77 |  |  |  |  |  | 38,773 |  |
|  |  | Total CFDA No. 12.630 |  | 38,773 |  |  |  |  |  | 38,773 |  |

12.631 Sci,Tech,Eng,Math (STEM) Educational Prgm: Sci,Math, Rsch for Transform(SMART)

12.910 Research and Technology Development

| Grantor: ** University of Florida | UFDSP00010589 | 26,751 | - | - | - | - | - | 26,751 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total CFDA No. 12.910 |  | 26,751 |  |  | - |  |  | 26,751 |  |
| Through Grantors |  | 1,102,471 | - | - | - | 477,647 | 138,547 | 1,580,118 | 138,547 |
| nse (continued) |  |  |  |  |  |  |  |  |  |
| DOD Agencies |  | 5,573,033 | 504,647 | - | - | 545,695 | 138,547 | 6,118,728 | 643,194 |
| artment of Defense Direct Programs |  | 20,643,398 | 2,120,219 | - | - | 357,731 | - | 21,001,129 | 2,120,219 |
| artment of Defense Pass-Through Grantors |  | 12,421,363 | 376,953 | - | - | 1,223,363 | 138,547 | 13,644,726 | 515,500 |
| artment of Defense |  | 33,064,761 | 2,497,172 | - | - | 1,581,094 | 138,547 | 34,645,855 | 2,635,719 |

## Housing and Urban Development

Direct Programs by CFDA


Pass-Through Grantors by CFDA
14.228 Community Development Block Grants/State's Program

| Grantor: *** IN Economic Development Corporation | EDS A69-15-SBDC-1004 | - | - | - | - | $(2,443)$ | - | $(2,443)$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | EDS A69-15-SBDC-1005 |  | - | - | - | 2,028 | - | 2,028 |  |
| Corporation Total ${ }^{* * *}$ IN Economic Development |  | - | - | - | - | (415) | - | (415) |  |
| Grantor: *** IN Office of Community \& Rural | EDS A192-11-DR2-PSC-005 | 77,158 | 15,000 | - | - | - | - | 77,158 | 15,000 |
| Grantor: *** IN Small Business Development Cent. | EDS A69-15-SBDC-1006 |  | - | - | - | 266 | - | 266 |  |
| Total CFDA No. 14.228 |  | 77,158 | 15,000 | - | - | (149) | - | 77,009 | 15,000 |
| Total Pass-Through Grantors |  | 77,158 | 15,000 | - | - | (149) | - | 77,009 | 15,000 |
| Total Housing and Urban Development |  | 352,176 | 15,000 | - | - | (149) | $\cdot$ | 352,027 | 15,000 |

## Department of Interior

Direct Programs by CFDA

[^15]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

| Grantor | $\begin{aligned} & \text { CFDA } \\ & \text { No. } \end{aligned}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients |
|  | 15.231 | Fish, Wildlife and Plant Conservation Resource Management | - | 48,162 | - |  |  | - . |  | 48,162 | . |
|  | 15.608 | Fish and Willdife Management Assistance | - | 83,457 | 13,932 |  |  | - - | - | 83,457 | 13,932 |
|  | 15.650 | Research Grants (Generic) | - | 456 | - |  |  | - - | - | 456 | - |
|  | 15.805 | Assistance to State Water Resources Research Institutes | - | 197,088 | 58,144 |  |  | 19,865 | - | 216,953 | 58,144 |
|  | 15.807 | Earthquake Hazards Reduction Program | - | 36,595 | - |  |  | - - | - | 36,595 | - |
|  | 15.808 | U.S. Geological Survey_Research and Data Collection | - | 194,384 | - |  |  | - - | - | 194,384 | - |
|  | 15.923 | National Center for Preservation Technology and Training | - | 95 | - |  |  | - - | - | 95 | - |
|  | 15.945 | Cooperative Research and Training Programs Resources of the National Park Syst | - | 18,100 | - |  |  | - - | - | 18,100 | - |
|  | 1 Direct | ram |  | 578,337 | 72,076 |  |  | 19,865 | - | 598,202 | 72,076 |

Department of Interior (continued)


## Department of Justice

Direct Programs by CFDA

## Purdue University

## Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016



## Department of Labo

Direct Programs by CFDA

| 17.282 | Trade Adjustment Assistance Community College and Career Training (TAACCCT) Gran |  | 730,590 | - |  |  | - | - | 730,590 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 17.502 | Occupational Safety and Health_Susan Harwood Training Grants |  |  |  |  |  | 76,161 | 7,274 | 76,161 | 7,274 |

Department of Labor (continued)


Pass-Through Grantors by CFDA
17.502 Occupational Saety and Health_Susan Harwood Training Granis

| 17.502 | cupational Safety and Health_Susan Harwood Trainin |  |  | . |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: *** lowa State University |  | 428-40-08A |  | - | - | - | 44,410 | - | 44,410 |  |
|  | Total CFDA No. | 17.502 |  | - | - | - |  | 44,410 | - | 44,410 |  |
| Total Pass-Through Grantors |  |  |  | - | - | - | - | 44,410 | - | 44,410 |  |
| Total Department of Labor |  |  |  | 730,590 | - | - | - | 120,571 | 7,274 | 851,161 | 7,274 |

## Department of State

Direct Programs by CFDA

| 19.040 | Public Diplomacy Programs | - | - | - | - | - | 18,731 | - | 18,731 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 19.415 | Professional Exchanges_Annual Open Grant | - | - | - | - | - | 181,752 | - | 181,752 |  |
| 19.501 | Public Diplomacy Programs for Afghanistan and Pakistan | - | - | - | - | - | 212,157 | - | 212,157 |  |
| Total Direct |  |  | - | - | - | - | 412,640 | - | 412,640 | - |

Pass-Through Grantors by CFDA

| 19.401 | Educational Exchange_University Lecturers (Professors) and Research Scholars |  | - | - | - | - | 57,455 | 29,000 | 57,455 | 29,000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: *** Institute Of International Education | 403513 |  |  |  |  |  |  |  |  |
|  |  | S-ECAGD-14-CA-1032 | - | - | - | - | 32,893 | - | 32,893 | - |
|  | Education Total $\quad{ }^{* * *}$ Institute Of International |  | - | - | - | - | 90,348 | 29,000 | 90,348 | 29,000 |
|  | Total CFDA No. 19.401 |  | - | - | - | - | 90,348 | 29,000 | 90,348 | 29,000 |
| Total Pass-Through Grantors |  |  | - | - | - | - | 90,348 | 29,000 | 90,348 | 29,000 |
| Total Department of State |  |  | - | - | - | - | 502,988 | 29,000 | 502,988 | 29,000 |

## Department of Transportation

## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


Pass-Through Grantors by CFDA

| 20.000 | U.S. Department of Transportation |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: *** University Of Maryland | Z917901 | 36,070 | - | - | - | - | - | 36,070 | - |
|  | Grantor: *** En'urga, Inc. | 14121665 | 13,965 | - | - | - | - | - | 13,965 |  |
|  | Grantor: "** Traffax, Inc | 15011460 | 64,824 | - | - | - | - | - | 64,824 |  |
|  | Grantor: *** University Of Missouri | C00049231-2 | 1,132 | - | - | - | - | - | 1,132 |  |
|  | Total CFDA No. 20.000 |  | 115,991 | - | - | - | - | - | 115,991 |  |
| 20.109 | Air Transportation Centers of Excellence |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** Iowa State University | 436-20-08 PO 140491823 | 4,816 | - | - | - | - | - | 4,816 |  |
|  | Total CFDA No. 20.109 |  | 4,816 | - | - | - | - | - | 4,816 |  |
| 20.200 | Highway Research \& Development Program |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** IN Department of Transportation | 12011432 - TPF-5(238) | 115,468 | - | - | - | - | - | 115,468 |  |

[^16]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

| $\underline{\text { Grantor }}$ | $\begin{gathered} \text { CFDA } \\ \text { No. } \\ \hline \end{gathered}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients |
|  |  |  | 2042 | 114,489 |  |  |  |  |  | 114,489 | - |
|  |  |  | 2352 | 16,729 |  |  |  |  |  | 16,729 | - |
|  |  |  | 2357 | 5,617 |  |  |  |  |  | 5,617 | - |
|  |  |  | 3134 | 34,660 |  |  |  |  |  | 34,660 | - |
|  |  |  | PO 15800900 | 177,833 |  |  |  |  |  | 177,833 | - |
|  |  |  | PO 15815724 | 82,352 |  |  |  |  |  | 82,352 | - |
|  |  |  | PO 16813635 | 1,087,662 |  |  |  |  |  | 1,087,662 | - |

Department of Transportation (continued)

|  | PO15815577 | 16,180 | - | - | - | - | - | 16,180 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SPR-3653 | 8 | - | - | - | - | - | 8 |  |
|  | SPR-2351 | 19,269 | - | - | - | - | - | 19,269 |  |
|  | SPR-3280 | 2,609 | - | - | - | - | - | 2,609 | - |
| 1 | SPR-3307 | 7,426 | - | - | - | - | - | 7,426 | $\cdot$ |
|  | SPR-3319 | 90,295 | - | - | - | - | - | 90,295 | - |
|  | SPR-3320 | 75,358 | - | - | - | - | - | 75,358 | - |
|  | SPR-3403 | (272) | - | - | - | - | - | (272) |  |
|  | SPR-3407 | 40,506 | - | - | - | - | - | 40,506 | - |
|  | SPR-3510 | (48) | - | - | - | - | - | (48) |  |
|  | SPR-3523 | 4,180 | - | - | - | - | - | 4,180 | - |
|  | SPR-3533 | 9,087 | - | - | - | - | - | 9,087 | - |
|  | SPR-3615 | 31,995 | - | - | - | - | - | 31,995 | - |
|  | SPR-3617 | 2,083 | - | - | - | - | - | 2,083 | - |
|  | SPR-3624 | $(2,027)$ | - | - | - | - | - | $(2,027)$ | - |
|  | SPR-3626 | 8,385 | - | - | - | - | - | 8,385 | - |
|  | SPR-3634, TPF-5(253) | 38,412 | - | - | - | - | - | 38,412 | - |

[^17]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

| Grantor | $\begin{gathered} \text { CFDA } \\ \text { No. } \\ \hline \end{gathered}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients |
|  |  |  | SPR-3636 | 26,744 |  |  |  |  |  | 26,744 |  |
|  |  |  | SPR-3702 | 1,501 |  |  |  |  |  | 1,501 |  |
|  |  |  | SPR-3704 | 2,090 |  |  |  |  |  | 2,090 |  |
|  |  |  | SPR-3706 | 4,662 |  |  |  |  |  | 4,662 |  |

Department of Transportation (continued)

| べ | SPR-3707 | 31,440 | - | - | - | - | - | 31,440 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SPR-3708 | 67,676 | - | - | - | - | - | 67,676 |  |
|  | SPR-3709 | 46,901 | - | - | - | - | - | 46,901 | - |
|  | SPR-3710 | 92,708 | - | - | - | - | - | 92,708 |  |
|  | SPR-3714 | 113,255 | - | - | - | - | - | 113,255 |  |
|  | SPR-3715 | 82,443 | - | - | - | - | - | 82,443 |  |
|  | SPR-3716 | $(4,447)$ | - | - | - | - | - | $(4,447)$ |  |
|  | SPR-3726 | 22,269 | - | - | - | - | - | 22,269 |  |
|  | SPR-3727 | 475,830 | - | - | - | - | - | 475,830 |  |
|  | SPR-3728 | 29,248 | 29,248 | - | - | - | - | 29,248 | 29,248 |
|  | SPR-3752 | (223) | - | - | - | - | - | (223) |  |
|  | SPR-3801 | 43,237 | - | - | - | - | - | 43,237 |  |
|  | SPR-3802 | 37,392 | - | - | - | - | - | 37,392 | - |
|  | SPR-3803 | 63,809 | - | - | - | - | - | 63,809 | - |
|  | SPR-3805 | 34,734 | - | - | - | - | - | 34,734 | - |
|  | SPR-3806 | 46,646 | - | - | - | - | - | 46,646 | - |
|  | SPR-3807 | 58,418 | - | - | - | - | - | 58,418 |  |

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## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016


Department of Transportation (continued)

| ஸ્రు | SPR-3815 | 92,544 | - | - | - | - | - | 92,544 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SPR-3816 | 53,173 | - | - | - | - | - | 53,173 | - |
|  | SPR-3818 | 46,531 | - | - | - | - | - | 46,531 | - |
|  | SPR-3819 | 10,771 | - | - | - | - | - | 10,771 | - |
|  | SPR-3820 | 16,804 | 5,222 | - | - | - | - | 16,804 | 5,222 |
|  | SPR-3821 | 613,107 | - | - | - | - | - | 613,107 | - |
|  | SPR-3823 | 55,234 | - | - | - | - | - | 55,234 |  |
|  | SPR-3827 | 128,890 | - | - | - | - | - | 128,890 | - |
|  | SPR-3828 | 24,555 | - | - | - | - | - | 24,555 | - |
|  | SPR-3829 | 49,577 | - | - | - | - | - | 49,577 | - |
|  | SPR-3830 | 55,945 | - | - | - | - | - | 55,945 | - |
|  | SPR-3831 | 98,221 | - | - | - | - | - | 98,221 | - |
|  | SPR-3832 | 32,967 | - | - | - | - | - | 32,967 | - |
|  | SPR-3833 | 37,232 | - | - | - | - | - | 37,232 | - |
|  | SPR-3852 | 27,351 | - | - | - | - | - | 27,351 | - |
|  | SPR-3857 | 10,902 | - | - | - | - | - | 10,902 | - |
|  | SPR-3858 | 63,586 | - | - | - | - | - | 63,586 | - |

[^19]
## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016


Department of Transportation (continued)

| $\stackrel{\text { 山゙ }}{+1}$ | SPR-3902 | 14,363 | - | - | - | - | - | 14,363 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | SPR-3903 | 26,014 | - | - | - | - | - | 26,014 |  |
|  | SPR-3904 | 96,769 | - | - | - | - | - | 96,769 |  |
|  | SPR-3905 | 36,467 | - | - | - | - | - | 36,467 |  |
|  | SPR-3906 | 80,663 | - | - | - | - | - | 80,663 |  |
|  | SPR-3907 | 67,520 | - | - | - | - | - | 67,520 | - |
|  | SPR-3908 | 40,862 | - | - | - | - | - | 40,862 |  |
|  | SPR-3911 | 72,609 | - | - | - | - | - | 72,609 | - |
|  | SPR-3912 | 147,285 | - | - | - | - | - | 147,285 |  |
|  | SPR-3913 | 92,027 | - | - | - | - | - | 92,027 | - |
|  | SPR-3914 | 19,088 | - | - | - | - | - | 19,088 | - |
|  | SPR-3915 | 78,069 | - | - | - | - | - | 78,069 |  |
|  | SPR-3916 | 75,265 | - | - | - | - | - | 75,265 | - |
|  | SPR-3940 | 69,546 | - | - | - | - | - | 69,546 | - |
|  | SPR-3941 | 24,420 | - | - | - | - | - | 24,420 | - |
|  | SPR-3944 | 44,952 | - | - | - | - | - | 44,952 | $\cdot$ |
|  | SPR-3945 | 67,603 | - | - | - | - | - | 67,603 |  |

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## Purdue University

Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016

| $\underline{\text { Grantor }}$ | $\begin{aligned} & \text { CFDA } \\ & \text { No. } \end{aligned}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  |  | SPR-3946 | 49,228 |  |  |  |  |  | 49,228 |  |
|  |  |  | SPR-3948 | 41,942 |  |  |  |  |  | 41,942 |  |
|  |  |  | SPR-4000 | 52,404 |  |  |  |  |  | 52,404 |  |
|  |  |  | SPR-4002 | 19,937 |  |  |  |  |  | 19,937 |  |
|  |  |  | SPR-4005 | 19,733 |  |  |  |  |  | 19,733 |  |
|  |  |  | SPR-4006 | 78,735 |  |  |  |  |  | 78,735 |  |
|  |  |  | SPR-4007 | 1,894 |  |  |  |  |  | 1,894 |  |

Department of Transportation (continued)


[^21]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


## Library of Congress

Direct Programs by CFDA
42.001 Books for the Blind and Physically Handicapped
6,257

6,257
Library of Congress (continued)

| Total Direct Program | 6,257 | - | - | - | - | - | 6,257 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Library of Congress | 6,257 | - | - | - | - | - | 6,257 |

## National Aeronautics and Space Administration

ஸ.
Direct Programs by CFDA

| 43.000 | National Aeronautics \& Space Administration | 523-2085 | - | - | - | - | - | - | - | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | NNX10AU95G | 2,558 | - | - | - | - | - | 2,558 | - |
|  |  | NNH131A01P | - | - | - | - | 244,155 | - | 244,155 | - |
|  |  | HST-GO-12534.25-A | 4,897 | - | - | - | - | - | 4,897 |  |
|  |  | RSA NO. 1492032 | (10) | - | - | - | - | - | (10) |  |
|  |  | P.O. NNS14AA12P | - | - | - | - | 12,518 | - | 12,518 |  |
|  |  | 1514746 | 23,510 | - | - | - | - | - | 23,510 | - |
|  |  | 1528311 | - | - | - | - | 60,465 | - | 60,465 | - |
|  |  | PO. 15N0212 | 52,856 | - | - | - | - | - | 52,856 | - |
|  |  | PO 15N0335 | - | - | - | - | 18,056 | - | 18,056 |  |
|  |  | 1534284 | 26,976 | - | - | - | - | - | 26,976 | - |
|  |  | 1537002 | - | - | - | - | 82,754 | - | 82,754 | - |
|  |  | PO 15N0508 | 39,502 | - | - | - | - | - | 39,502 | - |
|  |  | 1547388 | 2,629 | - | - | - | - | - | 2,629 | - |
|  | Total CFDA No. 43.000 |  | 152,918 | - | - | - | 417,948 | - | 570,866 | - |
| 43.001 | Aerospace Education Services Program | - | 2,829,294 | 993,717 | - | - | 162,418 | - | 2,991,712 | 993,717 |
| 43.002 | Technology Transfer | - | 179,771 | 55 | - | - | 22,500 | - | 202,271 | 55 |
| 43.003 | Exploration | - | 53,748 | - | - | - | - | - | 53,748 |  |
| 43.007 | Space Operations | - | 481,403 | - | - | - | - | - | 481,403 |  |

[^22]
## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016


Pass-Through Grantors by CFDA
43.000 National Aeronautics \& Space Administration

| Grantor: | *** Arizona State University | 15-704 | 22,604 | - | - | - | - | - | 22,604 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor: Technology | *** Massachusetts Institute of | 5710002785-05 | 314,601 | - | - | - | - | - | 314,601 | - |
| Grantor: Observatory | ***Smithsonian Astrophysical | PF3-140113 |  | - | - | - | 76,062 | - | 76,062 | - |
| Grantor: | *** University of Michigan | 3002485426 | 71,390 | - | - | - | - | - | 71,390 | - |

National Aeronautics and Space Administration (continued)

|  | Grantor: *** University of Southern California | Y88279 | 69,929 | - | - | - | - | - | 69,929 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: *** Wyle Laboratories | T71686 | 28,175 | - | - | - | - | - | 28,175 |
|  | Grantor: *** Mosaic Atm Inc | 0014107 | 36,983 | - | - | - | - | - | 36,983 |
|  | Grantor: *** Ultramet | 15076611 | 26,171 | - | - | - | - | - | 26,171 |
|  | Grantor: ** Optimal Synthesis Inc | 14087928 | 61,059 | - | - | - | - | - | 61,059 |
|  |  | 14098622 | 96,917 | - | - | - | - | - | 96,917 |
|  |  | 15110146 | 26,500 | - | - | - | - | - | 26,500 |
|  | ** Optimal Synthesis Inc Total |  | 184,476 | - | - | - | - | - | 184,476 |
|  | Grantor: ** Children's Museum, The | 46183 | 8,403 | - | - | - | - | - | 8,403 |
|  | Grantor: "** Analytical Mechanics Assoc, Inc | T00141 FY 15 | - | - | - | - | - | - | - |
|  |  | T00163-FY 15 | 8,326 | - | - | - | - | - | 8,326 |
|  | Total *** Analytical Mechanics Assoc, Inc |  | 8,326 | - | - | - | - | - | 8,326 |
|  | Total CFDA No. 43.000 |  | 771,058 | - | - | - | 76,062 | - | 847,120 |
| 43.001 | Aerospace Education Services Program |  |  |  |  |  |  |  |  |
|  | Grantor: *** Arizona State University | 16-999 | 6,575 | - | - | - | - | - | 6,575 |
|  | Grantor: *** lowa State University | 404-29-05A | 96 | - | - | - | - | - | 96 |
|  | Grantor: *** Rutgers, The State University | SUBAWARD NO. 5173 | 10,800 | - | - | - | - | - | 10,800 |

[^23]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

| Grantor | $\begin{gathered} \text { CFDA } \\ \text { No. } \\ \hline \end{gathered}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | $\begin{gathered} \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  | Grantor: *** University Corp For Atmospheric Research | Z15-13657 | 22,414 |  |  |  |  |  | 22,414 | - |
|  |  | Grantor: *** Analytical Mechanics Assoc, Inc | T00163-FY16 | 23,320 |  |  |  |  |  | 23,320 | - |
|  |  |  | T00557-FY16 | 21,850 |  |  |  |  |  | 21,850 | - |
|  |  | Total ** Analytical Mechanics Assoc, Inc |  | 45,170 |  |  |  |  |  | 45,170 | - |
|  |  | Grantor: *** National Institute of Aerospace | 6559-PU | 55,412 |  |  |  |  |  | 55,412 | - |
|  |  |  | T16-6500-PU TO 6556-PU | 26,197 |  |  |  |  |  | 26,197 | - |
|  |  | Total *** National Institute of Aerospace |  | 81,609 |  |  |  |  |  | 81,609 | - |
|  |  | Total CFDA No. 43.001 |  | 166,664 |  |  |  |  |  | 166,664 | - |

43.002 Technology Transfer

National Aeronautics and Space Administration (continued)

|  | ```Grantor: *** Massachusetts Institute of``` | 5710003954 | 13,621 | - | - | - | - | - | 13,621 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: ** University of Michigan | 3003768338 | 46,684 | - | - | - | - | - | 46,684 | - |
|  | Grantor: *** Univ of Illinois At ChampaignUrbana | 2015-01027-02 | 26,996 | - | - | - | - | - | 26,996 | - |
|  | Total CFDA No. 43.002 |  | 87,301 | - | - | - | - | - | 87,301 | - |
| 43.008 | Education |  |  |  |  |  |  |  |  |  |
|  | Grantor: "* National Institute of Aerospace | 2712-001-PU-1 | 15,693 | - | - | - | - | - | 15,693 | - |
|  | Total CFDA No. 43.008 |  | 15,693 | - | - | - | - | - | 15,693 | - |
| Total Pass-Through Grantors |  |  | 1,040,716 | - | - | - | 76,062 | - | 1,116,778 | - |
| Total National Aeronautics and Space Administration |  |  | 5,169,216 | 998,723 | - | $\cdot$ | 1,733,268 | 360,690 | 6,902,484 | 1,359,413 |

## National Endowment of the Arts and Humanities

Direct Programs by CFDA

| 45.000 | National Endowment for the Ars \& Humanities | HT-231824-15 | - | - | - | - | 65,869 | - | 65,869 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 45.163 | Promotion of the Humanities_Professional Development | - | - | - | - | - | 24,942 | - | 24,942 | - |
| 45.312 | National Leadership Grants | - | 20,658 | 7,521 | - | - | - | - | 20,658 | 7,521 |
| Total Direct |  |  | 20,658 | 7,521 | $\cdot$ | $\cdot$ | 90,811 | - | 111,469 | 7,521 |

Pass-Through Grantors by CFDA
45.025 Promotion of the Arts_Partnership Agreements

| Grantor: * | *** Tippecanoe Arts Federation | APP 160007 | - | - | - | - | 1,319 | - | 1,319 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total CFDA No. | \%. 45.025 |  | - | - | - | - | 1,319 | - | 1,319 |

[^24]* denotes major programs
***denotes pass-through agency
The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
Year ended June 30, 2016

|  |  |  |  | Research and Dev | opment Cluster | Student Finan | sistance Cluster* | Oth |  | Tota |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor | $\begin{aligned} & \text { CFDA } \\ & \text { No. } \end{aligned}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  | Grantor: *** New York Historical Society | 16045193 | - |  |  |  | 41,789 |  | 41,789 |  |
|  |  | Total CFDA No. 45.161 |  |  |  |  |  | 41,789 |  | 41,789 |  |
|  | 45.310 | Grants to States |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: *** Indiana State Library | EDS A64-15-ISL-26A | $(1,192)$ | - |  |  | - |  | $(1,192)$ |  |
|  |  | Total CFDA No. 45.310 |  | $(1,192)$ | - |  |  | - |  | $(1,192)$ |  |
|  | Total Pass- | hrough Grantors |  | $(1,192)$ | - |  |  | 43,108 |  | 41,916 |  |
|  | Total Nation | Endowment of the Arts and Humanities |  | 19,466 | 7,521 |  |  | 133,919 |  | 153,385 | 7,521 |

National Science Foundation

| Direct Programs by CFDA |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $47.000 \quad$ National Science Foundation | 1446121-OD | 345,771 | - | - | - | - | - | 345,771 | - |
| 47.041 Engineering Grants | - | 16,065,486 | 1,056,156 | - | - | - | - | 16,065,486 | 1,056,156 |
| 47.049 Mathematical and Physical Sciences | - | 7,903,195 | - | - | - | - | - | 7,903,195 |  |
| 47.050 Geosciences | - | 2,362,280 | 11,153 | - | - | - | - | 2,362,280 | 11,153 |
| 47.070 Computer and Information Science and Engineering | - | 16,338,032 | 3,676,866 | - | - | - | - | 16,338,032 | 3,676,866 |
| 47.074 Biological Sciences | - | 4,629,958 | 435,010 | - | - | - | - | 4,629,958 | 435,010 |
| 47.075 Social, Behavioral, and Economic Sciences | - | 945,845 | 2,677 | - | - | - | - | 945,845 | 2,677 |
| 47.076 Education and Human Resources | - | 8,397,365 | 1,239,269 | - | - | - | - | 8,397,365 | 1,239,269 |
| 47.078 Polar Programs | - | 151,817 | 302 | - | - | - | - | 151,817 | 302 |
| 47.079 International Science and Engineering (OISE) | - | 966,218 | 192,324 | - | - | - | - | 966,218 | 192,324 |
| 47.080 Office of Cyberinfrastructure | - | 187,013 | - | $\cdot$ | - | - | - | 187,013 | - |
| 47.082 ARRA-Trans-NSF Recovery Act Research Support | - | $(1,658)$ | - | - | - | - | - | $(1,658)$ | - |
| Total Direct Program |  | 58,291,322 | 6,613,757 | - | - | - | - | 58,291,322 | 6,613,757 |

Pass-Through Grantors by CFDA
47.000 National Science Foundation

| Grantor: | *** GreenTech Solution | 00052920 | 54,016 | - | - | - | - | - | 54,016 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total CFDA No. | \%. 47.000 |  | 54,016 | - | - | - | - | - | 54,016 |

Pass-Through Grantors by CFDA
47.041 Engineering Grants

| Grantor: | *** North Carolina State University | 2012-2045-01 | 31,023 | - | - | - | - | - | 31,023 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor: | *** Northwestern University | SPOO27655-PROJ0007253 | 110,762 | - | - | - | - | - | 110,762 | - |
| Grantor: | *** Rutgers, The State University | 2297 | 578,664 | - | - | - | - | - | 578,664 | - |
|  |  | 5792 | 64,810 | - | - | - | - | - | 64,810 | - |

[^25]
## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016

|  |  |  |  | Research and Dev | opment Cluster | Student Finan | ssistance Cluster* |  |  | Tota |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underline{\text { Grantor }}$ | $\begin{aligned} & \text { CFDA } \\ & \text { No. } \end{aligned}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients | $\begin{gathered} \hline \text { Federal Awards } \\ \text { Expended } \\ \hline \end{gathered}$ | Expenditures to Subrecipients |
|  |  | Total *** Rutgers, The State University |  | 643,474 |  |  |  |  |  | 643,474 |  |
|  |  | Grantor: *** University of Minnesota | A003927904 | 3,583 |  |  |  |  |  | 3,583 | - |
|  |  |  | T5306692401 | 453,653 |  |  |  |  |  | 453,653 | - |
|  |  | *** University of Minnesota Total |  | 457,236 |  |  |  |  |  | 457,236 | - |
|  |  | Grantor: ** University of Notre Dame | 202468 PU | 55,303 |  |  |  |  |  | 55,303 | - |
|  |  | Grantor: *** Georgia Institute of Technology | RE730-G1 | 74,261 |  |  |  |  |  | 74,261 |  |
|  |  | Grantor: ** University of California - Santa Barbara | KK1216 | (18,411) |  |  |  |  |  | (18,411) | - |
|  |  | Grantor: **WGBH | 1129342-EEC | 10,440 |  |  |  |  |  | 10,440 | - |

## National Science Foundation (continued)



[^26]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

|  | $\begin{gathered} \text { CFDA } \\ \text { No. } \\ \hline \end{gathered}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  | Grantor: **P Princeton University | 00002018 | 578,454 |  |  |  |  |  | 578,454 |  |
|  |  | Grantor: *** University of Michigan | 3002095871 | 351,429 |  |  |  |  |  | 351,429 |  |
|  |  | Grantor: *** University of North Carolina | 5100408 | 12,107 |  |  |  |  |  | 12,107 |  |
|  |  | Grantor: *** University of Notre Dame | 1219444-PHY | 11,058 |  |  |  |  |  | 11,058 |  |
|  |  |  | 201899PU | 5,203 |  |  |  |  |  | 5,203 |  |
|  |  | *** University of Notre Dame Total |  | 16,261 |  |  |  |  |  | 16,261 |  |
|  |  | Grantor: ***Virginia Tech | 478902-19084 | 98,719 |  |  |  |  |  | 98,719 |  |
|  |  | Grantor: *** Misssissippi State University | 031900.362651.01 | 27,687 |  |  |  |  |  | 27,687 |  |

## National Science Foundation (continued)

|  | Grantor: *** University of Nebraska-Lincoln | 25-0509-0083-002 | 52,344 | - | - | - | - | - | 52,344 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 25-0521-0178-007 | 20,338 | - | - | - | - | - | 20,338 |  |
| $\stackrel{1}{1}$ | Total *** University of Nebraska-Lincoln |  | 72,682 | - | - |  | - | - | 72,682 |  |
| $\rightarrow$ | Grantor: *** Assoc of Univ for Res in Astronomy | N60023C-L | 151,659 | - | - | - | - | - | 151,659 |  |
|  | Grantor: *** Univ. of North Carolina At Chapel Hill | 5101809 | 24,247 | - | - | - | - | - | 24,247 |  |
|  | Total CFDA No. 47.049 |  | 1,400,511 | - | - | - | - | - | 1,400,511 |  |
| 47.050 | Geosciences |  |  |  |  |  |  |  |  |  |
|  | Grantor: "** University of Illinois | NTP-2015-05856-01 | 164,613 | - | - | - | - | - | 164,613 |  |
|  | Grantor: ** University of Southern California | 60836897 | 24,595 | - | - | - | - | - | 24,595 |  |
|  | Grantor: *** Univ of Illinois At ChampaignUrbana | 2013-04254-05 | 159,751 | - | - | - | - | - | 159,751 |  |
|  | Grantor: *** Consortium for Ocean Leadership | BA-107(T341A107) | 14,416 | - | - | - | - | - | 14,416 |  |
|  | Total CFDA No. 47.050 |  | 363,375 | - | - | - | - | - | 363,375 |  |
| 47.070 | Computer and Information Science and Engineering |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** Michigan State University | RC104385PUR | 140,101 | - | - | - | - | - | 140,101 |  |
|  | Grantor: *** University of llinois At Chicago | 2016-02752-01-00-DT | 34,032 | - | - | - | - | - | 34,032 |  |
|  | Grantor: *** University of Maryland | 17286-Z4314001 | 52,915 | - | - | - | - | - | 52,915 | - |
|  | Grantor: *** University of Notre Dame | 202369 | 33,547 | - | - | - | $\cdot$ | - | 33,547 | - |

[^27]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


National Science Foundation (continued)

|  |  | 2014-2564-01 | 208,219 | - | - | - | - | - | 208,219 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total $\quad * *$ North Carolina State University |  | 213,920 | - | - | - | - | - | 213,920 |  |
| $\stackrel{+}{N}$ | Grantor: ** University of Minnesota | H003254004 | 476,909 | - | - | - | - | - | 476,909 |  |
|  | Grantor: *** University of Utah | 10028702 | 1,821 | - | - | - | - | - | 1,821 |  |
|  | Grantor: *** Washington State University | 123672-G003456 | 186,183 | - | - | - | - | - | 186,183 |  |
|  | Grantor: ***Virginia Tech | 478778-19084 | 62,432 | - | - | - | - | - | 62,432 |  |
|  | Grantor: *** University of Missouri-Columbia | C00029481-2 | 271,672 | - | - | - | - | - | 271,672 |  |
|  | Grantor: *** Donald Danforth Plant Science Center | 23202-P | 17,377 | - | - | - | - | - | 17,377 |  |
|  | Grantor: *** Louisiana State University | 86794 | 1,194 | - | - | - | - | - | 1,194 | - |
|  | Grantor: *** Northeastern University | 502203-78050 | 131,789 | - | - | - | - | - | 131,789 | - |
|  | Total CFDA No. 47.074 |  | 1,724,215 | - | - | - | - | - | 1,724,215 | - |
| 47.075 | Social, Behavioral, and Economic Sciences |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** University of Chicago | 43343-D | 59,877 | - | - | - | - | - | 59,877 |  |
|  |  | FP043343-02-B | 76,287 | - | - | - | - | - | 76,287 | - |
|  | *** University of Chicago Total |  | 136,164 | - | - | - | - | - | 136,164 | - |
|  | Hill Grantor: *** Univ. of North Carolina At Chapel | 5-37441 | 795 | - | - | - | - | - | 795 |  |

[^28]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


## National Science Foundation (continued)



[^29]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

|  |  |  |  | Research and | ppment Cluster | Student Finan | sistance Cluster* |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | No. | CFDA Title/Pass-Through Grantor | Identifying | Federal Awards | Expenditures to Subrecipients | Federal Awards | Expenditures to Subrecipients | Federal Awards | Expenditures to Subrecipients | Federal Awards | Expenditures to Subrecipients |
| Grantor |  | CFDA Title/Pass-Through Grantor |  |  |  |  |  |  |  |  |  |

## Small Business Administration

Pass-Through Grantors by CFDA
59.037 Small Business Development Center

| Small Business Development Center |  | - | - | - | - | 76,061 | - | 76,061 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor: *** IN Economic Development Corporation | EDS A69-15-SBDC-1003 |  |  |  |  |  |  |  | - |
|  | EDS A69-15-SBDC-1004 | - | - | - | - | 105,087 | - | 105,087 | - |
|  | EDS A69-15-SBDC-1005 | - | - | - | - | 86,334 | - | 86,334 | - |
| *** IN Economic Development Corporation Total |  | - | - | - | - | 267,482 | - | 267,482 | - |
| Grantor: *** IN Small Business Development Cent. | EDS A69-14-SBDC-005 | - | - | - | - | (760) | - | (760) | - |
|  | EDS A69-15-SBDC-1006 | - | - | - | - | 6,181 | - | 6,181 | - |

Small Business Administration (continued)

| $\frac{1}{P}$ | *** IN Small Business Develop <br> Cent. Total |  |  | - | - |  | 5,421 |  | 5,421 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | ```Grantor:*** Office of Small Business &``` | EDS A69-16-SBDC-2006 | - | - | - | - | 71,034 | - | 71,034 | - |
|  |  | EDS A69-16-SBDC-2007 | - | - | - | - | 110,394 | - | 110,394 | - |
|  |  | EDS A69-16-SBDC-2008 | - | - | - | - | 81,626 | - | 81,626 | - |
|  |  | EDS A69-16-SBDC-2009 | - | - | - | - | 119,506 | - | 119,506 | - |
|  |  <br> Entrshp Total |  |  | - | - |  | 382,560 | - | 382,560 | - |
|  | Total CFDA No. 59.037 |  | - | - | - | - | 655,463 | - | 655,463 | - |
|  | Total Pass-Through Grantors |  | - | - | - | - | 655,463 | - | 655,463 | - |
|  | Total Small Business Administration |  | - | - | - | - | 655,463 | - | 655,463 | - |

## Environmental Protection Agency

| 66.000 | Environmental Protection Agency | EP-12-H-000495 | - | - | - | - | 3,243 | - | 3,243 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 66.469 | Great Lakes Program | - | 958 | - | - | - | - | - | 958 |  |
| 66.509 | Science To Achieve Results (STAR) Research Program | - | 108,487 | - |  | - | - | - | 108,487 |  |
| 66.514 | Science To Achieve Results (STAR) Fellowship Program | - | - | - | - | - | 1,454 | - | 1,454 |  |
| 66.516 | P3 Award: National Student Design Competition for Sustainability |  | 57,210 | - | - | - | - | - | 57,210 |  |
| 66.608 | Environmental Information Exchange Network Grant Program and Related Assistance | - | 113,967 | - | - | - | - | - | 113,967 |  |
| 66.700 | Consolidated Pesticide Enforcement Cooperative Agreements | - | - | - | - | - | 664,567 | - | 664,567 |  |
| 66.716 | Surveys, Studies, Investigations, Training Demonstrations and Educational Outrea | - | - | - | - | - | 3,371 | - | 3,371 |  |

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## Purdue University

## Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016

| Grantor | $\begin{gathered} \text { CFDA } \\ \text { No. } \end{gathered}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  | Direc | am |  | 280,62 |  |  |  | 672,635 |  | 953,257 |  |

Pass-Through Grantors by CFDA
66.000 Environmental Protection Agency

| Grantor: *** MACTECH Engineering And Consulting, Inc. | 6064090003 | 11,327 | - | - | - | - | - | 11,327 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor: *** Pegasus Technical Services Inc | PUR-15-001 | 40,808 | - | - | - | - | - | 40,808 |  |
|  | PUR-16-001 | 37,173 | - | - | - | - | - | 37,173 | - |
| Total *** Pegasus Technical Services Inc |  | 77,981 | - | - | - | - | - | 77,981 | - |
| Total CFDA No. 66.000 |  | 89,308 | - |  |  | - | - | 89,308 |  |

66.460 Nonpoint Source Implementation Grants
Mgmt
EDS A305-2-72
(9)
(9)

Environmental Protection Agency (continued)


## Nuclear Regulatory Commission

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016



[^31]The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


Pass-Through Grantors by CFDA
81.000 U.S. Department of Energy

| Grantor: ** University of Notre Dame | UND FUND 202199 | 213,887 | - | - | - | - | - | 213,887 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor: **S Ram Dynamics | 14011264 | 4,679 | - | - | - | - | - | 4,679 |  |
| Grantor: *** BERKELEY, LAWRENCE LABORATORY | 7118206 | 138,246 | - | - | - | - | - | 138,246 |  |
| Grantor: ***Third Wave Systems | TDM690 | 9,311 | - | - | - | - | - | 9,311 |  |
| Grantor: *** Yale University | C15R11958(R12061) | 73,876 | - | - | - | - | - | 73,876 |  |

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

## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


## Department of Energy (continued)

|  | Grantor: *** University of Oregon | 234320B | 83,749 | - | - | - | - | - | 83,749 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: *** Washington University | WU-HT-12-35 | 12,231 | - | - | - | - | - | 12,231 | - |
|  | Grantor: ***Stanford University | 27273640-49105-C | 118,489 | - | - | - | 4,027 | - | 122,516 | - |
|  | Grantor: *** Northern Arizona University | 1002255-01 | 3,760 | - | - | - | - | - | 3,760 | - |
|  | Grantor: ** Chapman University | 500307-0002 | 33,462 | - | - | - | - | - | 33,462 | - |
|  | Total CFDA No. 81.049 |  | 370,519 | - | - | - | 4,027 | - | 374,546 | - |
| 81.086 | Conservation Research and Development |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** Pennsylvania State University | 4354-PU-DOE-4261 | 642,326 | 62,000 | - | - | - | - | 642,326 | 62,000 |
|  | Grantor: *** Texas A\&M University | C7401 | 74,965 | - | - | - | - | - | 74,965 | - |
|  | Grantor: *** University of Tennessee (The) | PA16-0349-7.1-01 | 1,746,553 | - | - | - | - | - | 1,746,553 | - |
|  | Grantor: *** General Motors Corp | P.O. TCS52615 | 82,220 | - | - | - | - | - | 82,220 | - |
|  | Total CFDA No. 81.086 |  | 2,546,064 | 62,000 | - | - | - | - | 2,546,064 | 62,000 |
| 81.087 | Renewable Energy Research and Development |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** Stanford University | 60220590-51077-P | 139,509 | - | - | - | - | - | 139,509 | - |
|  |  | 60962305-51077 | 108,888 | - | - | - | - | - | 108,888 | - |
|  | ** Stanford University Total |  | 248,397 | - | - | - | - | - | 248,397 | - |

[^32]
## Purdue University

## Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016

|  |  | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor | $\begin{aligned} & \text { CFDA } \\ & \text { No. } \end{aligned}$ |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  | Grantor: *** Mercurius Biorefining | 13032921 | 18,824 |  |  |  | - |  | 18,824 |  |
|  |  | Grantor: "** Midwest Renewable Energy <br> Assoc | 15011152 |  |  |  |  | 72,189 |  | 72,189 |  |
|  |  | Total CFDA No. 81.087 |  | 267,221 |  |  |  | 72,189 |  | 339,410 |  |


| 81.105 | National Industrial Competitiveness through Energy, Environment, and Economics |  |  | 1,173 | - | - | - | - | - | 1,173 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: | *** Siemens Power Generation Inc | 650059519 |  |  |  |  |  |  |  |
|  | Total CFDA No. | o. 81.105 |  | 1,173 | - |  |  |  |  | 1,173 |

81.113 Defense Nuclear Nonproliferation Research

| Grantor: * | **North Carolina State University | 2014-0501-03 | 310,421 | - | - | - | - | - | 310,421 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total CFDA No. | 81.113 |  | 310,421 | - | - | - | - | - | 310,421 |

81.121 Nuclear Energy Research, Development and Demonstration

| Grantor: ${ }^{* *}$ Oregon State University | G0137A-A | 159,454 | - | - | - | - |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Total CFDA No. | 81.121 | 159,454 | - | - | - |  |

## Department of Energy (continued)



## Department of Education

Direct Programs by CFDA

| 84.007 | Federal Supplemental Educational Opportunity Grants | - | - | - | 2,472,786 | - | - | - | 2,472,786 | - |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 84.033 | Federal Work-Study Program | - | - | - | 2,561,753 | - | - | - | 2,561,753 | - |
| 84.038 | Federal Perkins Loan Program_Federal Capital Contributions |  | - | - | 1,522,331 | - | - | - | 1,522,331 | - |
| 84.038 | LOAN/LOAN GUARANTEE - Federal Perkins Loan Program_Federal Capital Contributions |  | - | - | 4,534,976 | - | - | - | 4,534,976 | - |
| 84.063 | Federal Pell Grant Program | - | - | - | 52,348,600 | - | - | - | 52,348,600 | - |
| 84.116 | Fund for the Improvement of Postsecondary Education | - | 551,788 | 6,250 | - | - | - | - | 551,788 | 6,250 |
| 84.200 | Graduate Assistance in Areas of National Need | - | - | - | - | - | 220,495 | - | 220,495 |  |
| 84.206 | Javits Gifted and Talented Students Education Grant Program | - | - | - | - | - | 390,039 | 7,193 | 390,039 | 7,193 |
| 84.220 | Centers for International Business Education | - | - | - | - | - | 64,829 | - | 64,829 |  |
| 84.268 | Federal Direct Student Loans | - | - | - | 2,515 | - | - | - | 2,515 | - |
| 84.268 | LOAN/LOAN GUARANTEE - Federal Direct Student Loans | - | - | - | 214,855,541 | - | - | - | 214,855,541 | - |
| 84.305 | Education Research, Development and Dissemination | - | 877,092 | 128,403 | - | - | - | - | 877,092 | 128,403 |

[^33]The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

| Grantor | $\begin{gathered} \text { CFDA } \\ \text { No. } \\ \hline \end{gathered}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  | 84.325 | Special Education - Personnel Development to Improve Services and Results for Ch | - | $(4,657)$ |  | - |  | - | - | $(4,657)$ |  |
|  | 84.379 | Teacher Education Asst for College \& Higher Education Grants (TEACH Grants) | - | - | - | 17,708 |  | - | - | 17,708 |  |
| Trio Cluster* |  |  |  |  |  |  |  |  |  |  |  |
|  | 84.042* | TRIO_Student Support Services | - |  |  | - |  | 825,895 | - | 825,895 |  |
|  | 84.044* | TRIO_Talent Search | - | 355,885 | - | - |  | 301,749 | - | 657,634 |  |
|  | 84.047* | TRIO_Upward Bound | - | - | - | - |  | 959,022 | - | 959,022 |  |
|  | 84.217* | TRIO_McNair Post-Baccalaureate Achievement | - | - | - | - |  | 254,640 | - | 254,640 |  |
|  |  | Total Trio Cluster* |  | 355,885 | - | - |  | 2,341,306 | - | 2,697,191 | - |
| Total Direct Program |  |  |  | 1,780,108 | 134,653 | 278,316,210 |  | 3,016,669 | 7,193 | 283,112,987 | 141,846 |

Pass-Through Grantors by CFDA


[^34]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


Department of Health and Human Services

## Agency for Healthcare Research and Quality

Direct Programs by CFDA

| Health Center Program Cluster |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 93.224 | Consolidated Health Centers (Community Health Centers, Migrant Health Centers, H |  | 464,011 | - | - | - | 1,577,391 |  | 2,041,402 |  |
|  | Total Health Center Program Cluster |  | 464,011 |  |  |  | 1,577,391 | - | 2,041,402 |  |
| 93.226 | Research on Healthcare Costs, Quality and Outcomes | - | 497,138 | 228,343 | - | - | - | - | 497,138 | 228,343 |
| Total Direct Program |  |  | 961,149 | 228,343 | - | - | 1,577,391 | - | 2,538,540 | 228,343 |

Pass-Through Grantors by CFDA
93.217 Family Planning Services


[^35]
## Purdue University

Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016



Center for Disease Control
Direct Programs by CFDA

| 93.262 | Occupational Safety and Health Program | - | 331,927 | 18,000 | - | - | 35,644 | - | 367,571 | 18,000 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ment of Health and Human Services (continued) |  |  |  |  |  |  |  |  |  |  |
| Total | gram |  | 331,927 | 18,000 | - | - | 35,644 | - | 367,571 | 18,000 |

Or Department of Health and Human Services (continued)
Total Direct Program
Pass-Through Grantors by CFDA

| 93.136 | Injury Prevention and Control Research and State and Community Based Programs |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: ${ }^{* *} \mathbb{I N}^{N}$ State Department of Health | CONTRACT 15261 | - | - | - | - | 38,383 | - | 38,383 | - |
|  |  | EDS A70-4-009030 | - | - | - | - | (30) | - | (30) |  |
|  |  | EDS A70-5-009032 | - | . | - | - | 70,331 | - | 70,331 |  |
|  | Total *** IN State Department of Health |  | - |  |  |  | 108,684 |  | 108,684 |  |
|  | Total CFDA No. 93.136 |  | - | - | - | - | 108,684 | - | 108,684 | - |
| 93.262 | Occupational Safety and Health Program |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** University of Cincinnati | 007569-099 | 3,066 | - | - | - | - | - | 3,066 | - |
|  | Grantor: *** University of Illinois At Chicago | NA 2T42OH008672-09 | 4,831 | - | - | - | - | - | 4,831 |  |
|  | Grantor: *** University of Michigan | 3003615532 | 10,233 | - | - | - | - | - | 10,233 |  |
|  | $\begin{aligned} & \text { Grantor: *** Univ of Cincinnati-Edu \& } \\ & \text { Research Ctr } \end{aligned}$ | 07569-009 | $(2,161)$ | - | - | - | - | - | $(2,161)$ |  |
|  | Total CFDA No. 93.262 |  | 15,969 | - | - | - | - | - | 15,969 |  |
| 93.758 | Preventive Health \& Health Services Block Grant funded solely with PPH Funds |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** IN State Department of Health | EDS A70-5-0791100 | - | - | - | - | 14,257 | - | 14,257 |  |
|  | Total CFDA No. 93.758 |  | - | - | - | - | 14,257 | - | 14,257 |  |
| 93.945 | Assistance Programs for Chronic Disease Prevention and Control |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** IN State Department of Health | EDS 13886 | - | - | - | - | 10,000 | - | 10,000 | - |
|  |  | EDS00000000000000013384 | - | - | - | - | 2,335 | - | 2,335 | - |

[^36]The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

## Purdue University

Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016



## Centers for Medicare and Medicaid Services

Pass-Through Grantors by CFDA

| 93.000 | U.S. Department of Health \& Human Services |  | - | - | - | - | (390) | - | (390) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: ${ }^{* * *}$ Indiana Hospital Association | HHSM-500-2012-00017C |  |  |  |  |  |  |  | - |
|  | Grantor: *** Oregon Assoc of Hosp Hth Sys | HHSM-500-2012-00017C | 24,877 | - | - | - | - | - | 24,877 | - |
|  | Total CFDA No. 93.000 |  | 24,877 | - | - | - | (390) | - | 24,487 | - |
| 93.621 | Affordable Care Initiative - Reduce Avoidable Hospitaliz. | among Nursing Faciility |  |  |  |  |  |  |  |  |
|  | Grantor: *** Indiana University | 1ECMS331082-02-00 | 4 | - | - | - | - | - |  | - |
|  |  | IN4688382PU | - | - | - | - | 40,497 | - | 40,497 | - |
|  |  | N93730 | - | - | - | - | 19,344 | - | 19,344 |  |
|  | *** Indiana University Total |  | 4 | - | - | - | 59,841 | - | 59,845 | - |
|  | Total CFDA No. 93.621 |  | 4 | - | - | - | 59,841 | - | 59,845 | - |
|  | ACA-Transforming Clinical Practice Initiative: Practice T and Human Services (continued) | Transf Networks(PTNs) |  |  |  |  |  |  |  |  |


|  | Grantor: *** Indiana University | IN4380800PU | - | - | - |  | 565,576 | - | 565,576 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total CFDA No. 93.638 |  |  | - | - |  | 565,576 | - | 565,576 | - |
| Medicaid Cluster |  |  |  |  |  |  |  |  |  |  |
| 93.778 | Medical Assistance Program |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** IN Family \& Social Services <br> Admin | MD29-5-79-15LF-0374 | - | - | - | - | 1,175,595 | - | 1,175,595 | - |
|  | Total CFDA No. 93.778 |  | - | - | - | - | 1,175,595 | - | 1,175,595 | - |
| Total Medicaid Cluster |  |  |  | - | - | - | 1,175,595 | - | 1,175,595 | - |
| Total Pass-Through Grantors |  |  | 24,881 | - | - | - | 1,800,622 | - | 1,825,503 | - |
| Total Centers for Medicare and Medicaid Services |  |  | 24,881 | - | - | - | 1,800,622 | - | 1,825,503 | - |

## Food and Drug Administration

Direct Programs by CFDA

| 93.000 | U.S. Department of Health \& Human Services | HHSF223201310233C | 78,917 | 8,368 | - | - | - | - | 78,917 | 8,368 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 141 PA | - | - | - | - | 8,185 | - | 8,185 | - |
|  |  | HHSF223201400059C | - | - | - | - | 805 | - | 805 | - |
|  |  | HHSF223201410373A | - | - | - | - | 96,110 | - | 96,110 | - |
|  |  | 15055431 | - | - |  | - | 30,000 |  | 30,000 |  |

[^37]
## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016


Pass-Through Grantors by CFDA

| 93.000 |  <br> Educ | NIPTE-PU-2013-001 | 28,041 | - | - | - | - | - | 28,041 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: ** Vince and Associates | 15033782 | 59,445 | - | - | - | - | - | 59,445 |
|  | Total CFDA No. 93.000 |  | 87,486 | - | - | - | - | - | 87,486 |
| 93.103 | Food and Drug Administration_Research |  |  |  |  |  |  |  |  |
|  | Grantor: *** Auburn University | 16-AUFSI-360490-PU | - | - | - | - | 24,872 | - | 24,872 |
|  | Grantor: *** Rutgers, The State University | 5791 | 198,525 | - | - | - | - | - | 198,525 |
|  | Grantor: *** Natnl Inst for Phrmctcl Tech \& Educ | NIPTE-U01-PU-2014-002 | 52,578 | - | - | - | - | - | 52,578 |
|  |  | NIPTE-U01-PU-2015-001 | 42,823 | - | - | . | - | - | 42,823 |
|  |  | NIPTE-U01-PU-2016-001 | 7,703 | - | - | - | - | - | 7,703 |
|  |  | NIPTE-UO1-PU-2014-003 | 30,712 | - | - | - | - | - | 30,712 |
|  | Educ Total *** Natnl Inst for Phrmotcl Tech \& |  | 133,816 | - | - | - | - | - | 133,816 |
|  | Total CFDA No. 93.103 |  | 332,341 | - | - | - | 24,872 | - | 357,213 |

93.847 Diabetes, Endocrinology and Metabolism Research

Department of Health and Human Services (continued)


## National Institute of Health

Direct Programs by CFDA

| 93.000 | U.S. Department of Health \& Human Services | D13PX00154 | 102,548 |  | - |  |  |  | 102,548 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | IP15120879 | - |  | - |  | 3,005 |  | 3,005 | - |
|  |  | 103818 | - | - | - |  | 7,942 |  | 7,942 |  |
|  |  | BECK | - |  | - | - | 16,298 | - | 16,298 | - |
|  | Total CFDA No. 93.000 |  | 102,548 |  |  |  | 27,245 |  | 129,793 |  |
| 93.113 | Biological Response to Environmental Health Hazards | - | 880,023 | 47,426 |  |  |  |  | 880,023 | 47,426 |
| 93.121 | Oral Diseases and Disorders Research | - | 49,284 | - |  |  |  |  | 49,284 | - |
| 93.173 | Research Related to Deafness and Communication Disorders | - | 3,337,825 | 159,672 | - | - | 308,394 | - | 3,646,219 | 159,672 |
| 93.213 | Research and Training in Complementary and Alternative Medicine | - | 804,916 | 330,775 | - | - |  | - | 804,916 | 330,775 |
| 93.242 | Mental Health Research Grants |  | 895,931 | 57,403 |  |  |  |  | 895,931 | 57,403 |
| 93.273 | Alcohol Research Programs |  | 261,375 | - |  |  | 24,563 |  | 285,938 |  |
| 93.279 | Drug Abuse and Addiction Research Programs | - | 312,716 | - | - | - | - | - | 312,716 | - |
| 93.286 | Discovery and Applied Research for Technological Innovations to Improve Human He | - | 1,156,531 | 348,846 | - |  |  | - | 1,156,531 | 348,846 |

[^38]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

| Grantor | $\begin{gathered} \text { CFDA } \\ \text { No. } \\ \hline \end{gathered}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  | 93.310 | Trans-NIH Research Support | - | 56,996 | - |  |  | - | - | 56,996 |  |
|  | 93.342 | LOAN/LOAN GUARANTEE - Health Professions Student Loans, Including Primary Care Loa | - | - | - | 328,972 |  | - | - | 328,972 | - |
|  | 93.351 | Research Infrastructure Programs | - | 413,639 | - | - |  | 172,943 | 18,000 | 586,582 | 18,000 |
|  | 93.389 | National Center for Research Resources | - | 624 | - | - |  | - | - | 624 | - |
|  | 93.393 | Cancer Cause and Prevention Research | - | 1,120,904 | 226,340 | - |  | - | - | 1,120,904 | 226,340 |
|  | 93.394 | Cancer Detection and Diagnosis Research | - | 439,166 | - | - |  | - | - | 439,166 |  |
|  | 93.395 | Cancer Treatment Research | - | 590,224 | - | - |  | - | - | 590,224 | - |
|  | 93.396 | Cancer Biology Research | - | 631,760 | 13,956 | - |  | - | - | 631,760 | 13,956 |
|  | 93.397 | Cancer Centers Support Grants | - | 1,586,113 | - | - |  | - | - | 1,586,113 | - |
|  | 93.398 | Cancer Research Manpower | - | 305,823 | 198,210 | - |  | - | - | 305,823 | 198,210 |
|  | 93.837 | Heart and Vascular Diseases Research | - | 1,180,542 | 140,279 | - |  | - | - | 1,180,542 | 140,279 |
|  | 93.846 | Arthritis, Musculoskeletal and Skin Diseases Research | - | 1,166,109 | 100,045 | - |  | - | - | 1,166,109 | 100,045 |
|  | 93.847 | Diabetes, Endocrinology and Metabolism Research | - | 1,542,943 | 17,484 | - |  | 315,492 | - | 1,858,435 | 17,484 |
|  | 93.853 | Extramural Research Programs in the Neurosciences and Neurological Disorders | - | 1,102,532 | 44,018 | - |  | - | - | 1,102,532 | 44,018 |
|  | 93.855 | Allergy, Immunology and Transplatatation Research | - | 4,316,210 | 610,652 | - |  | 57,155 | - | 4,373,365 | 610,652 |
|  | 93.859 | Biomedical Research and Research Training | - | 5,791,956 | 374,922 | - |  | - | - | 5,791,956 | 374,922 |
|  | 93.865 | Child Health and Human Development Extramural Research | - | 609,294 | 96,826 | - |  | - | - | 609,294 | 96,826 |
|  | 93.866 | Aging Research | - | 652,476 | 130,356 | - |  | - | - | 652,476 | 130,356 |
|  | 93.867 | Vision Research | - | 915,095 | - | - |  | - | - | 915,095 |  |
|  | 93.879 | Medical Library Assistance | - | 115,451 | 30,079 | - |  | (12) | - | 115,439 | 30,079 |
| Department of Health and Human Services (continued) |  |  |  |  |  |  |  |  |  |  |  |
| Total Direct Program |  |  |  | 30,339,006 | 2,927,289 | 328,972 |  | 905,780 | 18,000 | 31,573,758 | 2,945,289 |

Pass-Through Grantors by CFDA

| 93.000 | U.S. Department of Health \& Human Services |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: *** Leidos | 15X193 | 72,645 | - | - | - | - | - | 72,645 |
|  | Grantor: *** J Craig Venter Institute | JCVI-14-005 | 19,857 | - | - | - | - | - | 19,857 |
|  | Grantor: **S Science Applications Intn\| | 12XS406 | - | - | - | - | 37,012 | . | 37,012 |
|  | Grantor: *** Akina, Inc. Business \& Technology Center | 14055488 | 9,101 | - | - | - | . | - | 9,101 |
|  | Total CFDA No. 93.000 |  | 101,603 | - | - | - | 37,012 | - | 138,615 |
| 93.113 | Biological Response to Environmental Health Hazards |  |  |  |  |  |  |  |  |
|  | Grantor: *** University of North Carolina | 5033693 | 13,367 | - | - | - | - | - | 13,367 |
|  | Grantor: *** University of Hawaii | KA0082 | 70,008 | - | - | - | - | - | 70,008 |
|  | Grantor: *** Harvard School of Public Health | 112150-5077626 | 82,094 | - | - | - | - | - | 82,094 |
|  | Grantor: *** Rush University Medical Center | 1R21ES024700-01 | 28,101 | - | - | - | - | - | 28,101 |
|  | Total CFDA No. 93.113 |  | 193,570 | - | - | - | - | - | 193,570 |
| 93.143 | NIEHS Superfund Hazardous Substances_Basic Resear | rch and Education |  |  |  |  |  |  |  |
|  | Grantor: *** Michigan State University | RC102935PU | 43,626 | - | - | - | - | - | 43,626 |
|  | Total CFDA No. 93.143 |  | 43,626 | - | - | - | - | - | 43,626 |
| 93.173 | Research Related to Deafness and Communication Diso | orders |  |  |  |  |  |  |  |
|  | Grantor: "** Vanderbilt University | VUMC 37572 | 33,421 | - | - | - | - | - | 33,421 |
|  | Total CFDA No. 93.173 |  | 33,421 | - |  | - | - | - | 33,421 |

[^39]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

93.286 Discovery and Applied Research for Technological Innovations to Improve Human He

## 㐫

|  | Grantor: *** University of Texas At Austin | UTA15-000332 | 75,104 | - | - | - | - | - | 75,104 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total CFDA No. 93.286 |  | 75,104 | - | - | - | - | - | 75,104 | - |
| 93.310 | Trans-NIH Research Support |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** University of Kansas | FY2014-063 | $(1,094)$ | - | - | - | - | - | $(1,094)$ | - |
|  | Total CFDA No. 93.310 |  | $(1,094)$ | - |  | - | - |  | $(1,094)$ |  |
| 93.350 | National Center for Advancing Translational Sciences |  |  |  |  |  |  |  |  |  |
|  | Grantor: *** IU School of Medicicine | CTSI COST SHARE 106533 | 3,762 | - | - | - | 829 | - | 4,591 |  |
|  | Grantor: *** IN Univ Purdue Univ at | IN4610360PU | 777,098 | - | - | - | - | - | 777,098 |  |
|  |  | IN4680860PU | 7,078 | - | - | - | - | - | 7,078 |  |
|  |  | IN4680863PU | - | - | - | - | 4,092 | - | 4,092 |  |
|  |  | IN4680883PU | - | . | . | - | 44,145 | - | 44,145 |  |
|  |  | NTP-CTSI | 68,760 | - | - | . | - | - | 68,760 |  |
|  | $\begin{aligned} & \text { Indianapolis Total } \\ & \text { IN Univ Purdue Univ at } \\ & \hline \end{aligned}$ |  | 852,936 | - |  | - | 48,237 | - | 901,173 |  |
|  | Total CFDA No. 93.350 |  | 856,698 | - | - | - | 49,066 | - | 905,764 | - |
| 93.394 | Cancer Detection and Diagnosis Research |  |  |  |  |  |  |  |  |  |
|  | Grantor: ** University of Chicago | FP059852 | 45,687 | - | - | - | - | . | 45,687 | - |
|  | Grantor: *** University of Minnesota | H004548301 | 78,203 | - | - | - | - | - | 78,203 |  |
|  | Grantor: *** University of Pennsylvania | 568408 | 7,726 | . | . | - | - | . | 7,726 |  |
|  | Grantor: *** Vibronix Inc | 15098346 | 69,450 | - | - | - | - | - | 69,450 |  |
|  | Total CFDA No. 93.394 |  | 201,066 | - | - | - | - | - | 201,066 |  |
| 93.395 | Cancer Treatment Research |  |  |  |  |  |  |  |  |  |
|  | Grantor: "** University of Minnesota | H004627901 | 41,367 | - | - | - | - | - | 41,367 | - |
|  | Grantor: ***Nanovis Incorporated | 13055474 | 77,551 | - | - | - | - | - | 77,551 |  |

[^40]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


[^41]The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

Purdue University
Schedule of Expenditures of Federal Awards
Year ended June 30, 2016

93.859 Biomedical Research and Research Training

## Department of Health and Human Services (continued)

| Grantor: **N Northwestern University | SP0029058-PROJ0007627 | 74,606 | - | - | - | - | - | 74,606 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor: *** University of California | KK1509 | 44,046 | - | - | - | - | - | 44,046 |  |
| Grantor: *** University of Minnesota | A004265801 | 55,618 | - | - | - | - | - | 55,618 |  |
|  | A529626301 | (6) | - | - | - | - | - | (6) |  |
|  | B5186816101 | 80,242 | - | - | - | - | - | 80,242 |  |
| *** University of Minnesota Total |  | 135,854 | - | - | - | - | - | 135,854 |  |
| Grantor: ** University of Notre Dame | 202564 PU | 126,918 | - | - | - | - | - | 126,918 |  |
| Grantor: **Washington State University | 111597_G003118 | 18,960 | - | - | - | . | - | 18,960 |  |
| Grantor: *** Anasys Instruments | 14065775 | 62,819 | - | - | - | - | - | 62,819 |  |
| Grantor: *** Univ. of North Carolina At Chapel | 5100911 | 27,263 | - | - | - | - | - | 27,263 |  |
| Grantor: *** bioVidria Inc | 14011813 | 144,621 | - | - | - | - | - | 144,621 |  |
| LLC Grantor: *** Tymora Analytical Operations, | 13098408 | 82,342 | - | - | - | - | - | 82,342 |  |
|  | 1R43GM105063-01 | 20 | - | - | - | . | - | 20 |  |
| *** Tymora Analytical Operations, <br> LLC Total |  | 82,362 | - | - | - | - | - | 82,362 |  |
| Grantor: *** Li-Cor Biosciences | 14065776 | 66,553 | - | - | - | - | - | 66,553 |  |
| Total CFDA No. 93.859 |  | 784,002 | - | - | - | - | - | 784,002 |  |
| Child Health and Human Development Extramural Resea |  |  |  |  |  |  |  |  |  |
| Grantor: *** Yale University | M13A11537 (A09028) | 50,415 | - | - | - | - | - | 50,415 |  |
| Total CFDA No. 93.865 |  | 50,415 | - | - | - | - | - | 50,415 |  |
| Aging Research |  |  |  |  |  |  |  |  |  |
| Grantor: *** Concordance Health Solutions | 12054898 | 19,221 | - | - | - | - | - | 19,221 |  |
| Grantor: *** Work Life Help LLC | 14109066 | 53,545 | - | - | - | - | - | 53,545 |  |
| Total CFDA No. 93.866 |  | 72,766 | - | - | - | - | - | 72,766 |  |

[^42]
## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

|  |  |  |  | Research and De | opment Cluster | Student Financi | sistance Cluster* |  | Oth |  | Tota |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grantor | $\begin{aligned} & \text { CFDA } \\ & \text { No. } \end{aligned}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  | Total Pass | ugh Grantors |  | 4,974,356 | - |  |  | - | 86,078 | - | 5,060,434 | - |
|  | Total Nation | stitute of Health |  | 35,313,362 | 2,927,289 | 328,972 |  | - | 991,858 | 18,000 | 36,634,192 | 2,945,289 |

## Health Resources and Services Administration

Direct Programs by CFDA


Department of Health and Human Services (continued)


## Office of the Secretary

Direct Programs by CFDA


[^43]
# Purdue University 

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016


## Substance Abuse And Mental Health Services Administration

Direct Programs by CFDA
93.243 Substance Abuse and Mental Health

Services_Projects of Regional and National Sig
Total Direct Program
Total Substance Abuse And Mental Health Services Administration
Total Department of Health and Human Services Direct Programs
Total Department of Health and Human Services Pass-Through Grantors
Total Department of Health and Human Services

| - | - | - | - | 56,959 | - | 56,959 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| - | - | - | - | 56,959 | - | 56,959 | - |
| - | - | - | - | 56,959 | - | 56,959 | - |
| 32,338,176 | 3,182,000 | 335,140 | - | 3,138,061 | 18,000 | 35,811,377 | 3,200,000 |
| 5,858,251 | 11,990 | - | - | 2,851,579 | - | 8,709,830 | 11,990 |
| 38,196,427 | 3,193,990 | 335,140 | - | 5,989,640 | 18,000 | 44,521,207 | 3,211,990 |

## Department of Homeland Security

Direct Programs by CFDA

| 97.061 | Centers for Homeland Security | - | 2,694,125 | 1,352,389 | - | - | - | - | 2,694,125 | 1,352,389 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97.065 | Homeland Security Advanced Research Projects Agency |  | $(3,351)$ | - | - | - | - | - | $(3,351)$ |  |

Department of Homeland Security (continued)

| 97.077 | Homeland Security Testing, Evaluation, and Demonstration of Technologies | - | 202,322 | - | - | - | - | - | 202,322 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 97.104 | Homeland Security-Related Science, Technology, Engr. \& Math Career Dev. Program |  | - | - | - | - | 17,476 |  | 17,476 |  |
| 97.108 | Homeland Security, Research, Testing, Evaluation, and Demonstration of Technolog | - | 5 | - | - | - | - |  | 5 |  |
| Total Direct | ram |  | 2,893,101 | 1,352,389 | - | - | 17,476 | - | 2,910,577 | 1,352,389 |

Pass-Through Grantors by CFDA

| 97.000 | U.S. Department of Homeland Security |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: *** Northeastern University | 505092-78050 | 166,626 | - | - | - | - | - | 166,626 |
|  | Grantor: **" Morpho Detection LLC | CF10881-PURDUE | 27,939 | - | - | - | - | - | 27,939 |
|  |  | CM10995-PURDUE | 2,699 | - | - | - | - | - | 2,699 |
|  | ** Morpho Detection LLC Total |  | 30,638 | - | - | - | - | - | 30,638 |
|  | Grantor: *** High Performance Imaging | 15109520 | 87,626 | - | - | - | - | - | 87,626 |
|  | Total CFDA No. 97.000 |  | 284,890 | - | - | - | - | - | 284,890 |
| 97.001 | Pilot Demonstration or Earmarked Projects |  |  |  |  |  |  |  |  |
|  | Grantor: *** Northrop Grumman Space Technology | 7500119650 | 140,864 | - | - | - | - | - | 140,864 |
|  | Total CFDA No. 97.001 |  | 140,864 | - | - | - | - | - | 140,864 |
| 97.061 | Centers for Homeland Security |  |  |  |  |  |  |  |  |
|  | Grantor: "* Northeastern University | 505035-78054 | 455,035 | - | - | - | - | - | 455,035 |

[^44]The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

## Purdue University

## Schedule of Expenditures of Federal Awards

Year ended June 30, 2016

| Grantor | $\begin{gathered} \text { CFDA } \\ \text { No. } \\ \hline \end{gathered}$ | CFDA Title/Pass-Through Grantor | Identifying Number | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients | Federal Awards Expended | Expenditures to Subrecipients |
|  |  | Total CFDA No. 97.061 |  | 455,035 | - |  |  | - |  | 455,035 | - |
|  | 97.062 | Scholars and Fellows |  |  |  |  |  |  |  |  |  |
|  |  | Grantor: *** Morgan State University | PU-DHS-01-12 | 9,283 | - |  |  | - |  | 9,283 | - |
|  |  | Total CFDA No. 97.062 |  | 9,283 | - |  |  | - |  | 9,283 | - |
| Total Pass-Through Grantors |  |  |  | 890,072 | - |  |  | - |  | 890,072 | - |
| Total Department of Homeland Security |  |  |  | 3,783,173 | 1,352,389 |  |  | 17,476 |  | 3,800,649 | 1,352,389 |

## Agency for International Development

Direct Programs by CFDA

| 98.000 | Agency for International Development | AID-OAA-L-14-00003 | - | - | - | - | 1,074,562 | 234,569 | 1,074,562 | 234,569 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 15055402 |  | - | - |  | 5,442 | - | 5,442 |  |
|  | Total CFDA No.98.000 |  | - | - | - | - | 1,080,004 | 234,569 | 1,080,004 | 234,569 |
| 98.012 | USAID Development Partnerships for University Cooperation and Development | - | - | - | - |  | 352,253 | 121,088 | 352,253 | 121,088 |
| Total Direct |  |  |  | - | - |  | 1,432,257 | 355,657 | 1,432,257 | 355,657 |

Agency on International Development (continued)
O) Pass-Through Grantors by CFDA
$\underset{\mathbf{1}}{\underset{1}{l}} \quad 98.000 \quad$ Agency for International Development

| 98.000 | Agency for International Development |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grantor: *** Indiana University | AID-623-A-12-00001 | 28,152 | - | - | - | - | - | 28,152 | - |
|  | Grantor: *** National Academy of Sciences | 2000006100 | 11,688 | - | - | - | - | - | 11,688 | - |
|  | Grantor: *** Rutgers, The State University | 5736 | - | - | - | - | 17,831 | - | 17,831 | - |
|  | Grantor: *** University of California - Davis | 016258-136 | - | - | - | - | 14,119 | - | 14,119 | - |
|  |  | 201400223-04 | - | - | - | - | 38,599 | - | 38,599 | - |
|  | *** University of California - Davis <br> Total |  | - | - | - | - | 52,718 | - | 52,718 |  |
|  | Grantor: *** Volunteers Economic Growth Alliance | PDP 2014-2 | - | - | - | - | 184,248 | 45,000 | 184,248 | 45,000 |
|  | Total CFDA No. 98.000 |  | 39,840 | - | - | - | 254,797 | 45,000 | 294,637 | 45,000 |
| 98.001 | USAID Foreign Assistance for Programs Overseas |  |  |  |  |  |  |  |  |  |
|  | Grantor: "* Kansas State University | S14201 | - | - | - | - | 141,312 | - | 141,312 | - |
|  |  | S14207 | - | - | - | - | 161,852 | - | 161,852 | - |
|  |  | S15005 | - | - | - | - | 152,139 | 12,402 | 152,139 | 12,402 |
|  |  | S15006 | $\cdot$ | - | - | - | 250,170 | 65,514 | 250,170 | 65,514 |

[^45]
## Purdue University

Schedule of Expenditures of Federal Awards
Year ended June 30, 2016


Agency on International Development (continued)


[^46]
## Purdue University

## Schedule of Expenditures of Federal Awards

## Year ended June 30, 2016

| CFDA |  |  | 1 Identifying | Research and Development Cluster |  | Student Financial Assistance Cluster* |  | Other |  | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Federal Awards | Expenditures to | Federal Awards | Expenditures to | Federal Awards | Expenditiures to | Federal Awards | Expenditures to |
| Grantor |  | CFDA Title/Pass-Through Grantor | Number | Expended | Subrecipients | Expended | Subrecipients | Expended | Subrecipients | Expended | Subrecipients |

## Vietnam Education Foundation



United States International Trade Commission
Direct Programs by CFDA


United States Coast Guard
Direct Programs by CFDA
99.000
States Coast Guard (continued)

United States Coast Guard (continued)
Toll Total Direct Program

Summary of Direct Programs
Summary of Pass-Through Grantors
Summary of Total Federal Awards

| 20,173 | - | - | - | - | 20,173 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 20,173 | - | - | - | - | - | 20,173 |  |
| 166,535,192 | 20,668,255 | 278,651,350 | - | 32,274,649 | 3,707,668 | 477,461,191 | 24,375,923 |
| 44,594,451 | 869,478 | - | - | 19,282,608 | 1,165,865 | 63,877,059 | 2,035,343 |
| 211,129,643 | 21,537,733 | 278,651,350 | - | 51,557,257 | 4,873,533 | 541,338,250 | 26,411,266 |

[^47]***denotes pass-through agency
The accompaning 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, 2016 

## Note 1. Basis of Presentation

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

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

## Note 2. Summary of Significant Accounting Policies

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

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

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

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

## PURDUE UNIVERSITY NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS June 30, 2016 (Continued)

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

## Note 3. Federal Student Loan Programs

The University considers the federal capital contribution of federally sponsored student loan programs as a liability. Balances of loan advances and 2015-16 federal capital contributions were:

Balance, July 1, 2015
\$ 19,890,742
Net Federal Capital Contributions:
Federal Perkins Loan Program
$(511,824)$
Balance, June 30, 2016
\$ 19,378,918
Amounts loaned to students are recorded as notes receivable. Gross student notes receivable outstanding as of June 30, 2016 were:

| Program Title | Federal CFDA Number | Amount |
| :--- | ---: | ---: |
| Federal Perkins Loan Program | 84.038 | $\$ 26,242,168$ |
| Health Professions Student Loans | 93.342 | $\underline{2,456,180}$ |
| Total Student Notes Receivable |  | $\$ \underline{\underline{28,698,348}}$ |

## 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, 2016, the University had the following activity related to new loans under this program:

| Program | Federal CFDA Number | Number of Loans Issued | Amount |
| :---: | :---: | :---: | :---: |
| Federal Stafford Loans | 84.268 | 34,502 | \$165,108,228 |
| Federal PLUS Loans | 84.268 | 3,443 | 49,747,314 |
| Totals |  | 37,945 | \$ 214,855,542 |

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

## Section I - Summary of Auditor's Results

Financial Statements:
Type of auditor's report issued:
Unmodified
Internal control over financial reporting:
Material weaknesses identified?
Significant deficiencies identified?
no
none reported
Noncompliance material to financial statements noted?
no
Federal Awards:
Internal control over major programs:
Material weaknesses identified?
no
Significant deficiencies identified?
none reported
Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)?
no
Identification of Major Programs and type of auditor's report issued on compliance for each:

| CFDA <br> Number | Name of Federal Program or Cluster |
| :---: | :--- | :--- |$\xlongequal{$|  Opinion  |
| :---: |
|  Issued  |$}$

Dollar threshold used to distinguish between Type A and Type B programs: \$3,000,000
Auditee qualified as low-risk auditee?
yes

## Section II - Financial Statement Findings

No matters are reportable.

## Section III - Federal Award Findings and Questioned Costs

No matters are reportable.

## OTHER REPORTS

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


[^0]:    * denotes major programs
    ***denotes pass-through agency

[^1]:    denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^2]:    denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^3]:    denotes major programs
    ***denotes pass-through agency

[^4]:    * denotes major programs
    ***denotes pass-through agency

[^5]:    * denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^6]:    * denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^7]:    denotes major programs
    ${ }^{* * *}$ denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^8]:    denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^9]:    denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^10]:    * denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^11]:    denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^12]:    * denotes major programs

[^13]:    denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^14]:    * denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^15]:    * denotes major programs
    ${ }_{* * *}$ denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^16]:    * denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^17]:    denotes major programs
    **denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^18]:    * denotes major programs
    **denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^19]:    denotes major programs
    **denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^20]:    * denotes major programs
    ${ }^{* *}$ denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^21]:    * denotes major programs
    **denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^22]:    * denotes major programs
    ***denotes pass-through agency
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[^23]:    * denotes major programs
    ${ }^{* * *}$ denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^24]:    45.161 Promotion of the Humanities_Research

[^25]:    * denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^26]:    denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^27]:    * denotes major programs
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[^28]:    denotes major programs
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[^29]:    * denotes major programs
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[^30]:    * denotes major programs
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[^31]:    denotes major programs
    ***denotes pass-through agency

[^32]:    denotes major programs
    ***denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^33]:    * denotes major programs
    ***denotes pass-through agency

[^34]:    denotes major programs
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    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^35]:    denotes major programs
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[^36]:    denotes major programs
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[^37]:    * denotes major programs
    ${ }_{* * *}$ denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^38]:    * denotes major programs
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[^39]:    denotes major programs
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    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^40]:    denotes major programs
    ***denotes pass-through agency
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[^41]:    denotes major programs
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[^42]:    denotes major programs
    *denotes pass-through agency
    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^43]:    * denotes major programs
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    The accompaning notes are an integral part of the Schedule of Expenditures of Federal Awards

[^44]:    denotes major programs
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[^45]:    * denotes major programs
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[^46]:    * denotes major programs
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[^47]:    * denotes major programs

