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

FEDERAL SINGLE AUDIT REPORT

PURDUE UNIVERSITY

WEST LAFAYETTE, INDIANA

July 1, 2015 to June 30, 2016





TABLE OF CONTENTS

<u>Description</u>	<u>Page</u>
Schedule of University Officials	2
Independent Auditor's Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance	3
Independent Auditor's Report on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of the Financial Statements Performed in Accordance with Government Auditing Standards	4-5
Independent Auditor's Report on Compliance for Each Major Federal Program and on Internal Control over Compliance	6-7
Schedule of Expenditures of Federal Awards and Accompanying Notes: Schedule of Expenditures of Federal Awards Notes to Schedule of Expenditures of Federal Awards	11-63 64-65
Schedule of Findings and Questioned Costs	66
Other Reports	67

SCHEDULE OF UNIVERSITY OFFICIALS

Office	<u>Official</u>	<u>Term</u>
President	Mitchell E. Daniels, Jr.	07-01-15 to 06-30-17
Treasurer and Chief Financial Officer	William E. Sullivan	07-01-15 to 06-30-17
Senior Vice President for Business Services and Assistant Treasurer	James S. Almond	07-01-15 to 06-30-17
Executive Vice President for Research and Partnerships	Suresh Garimella	07-01-15 to 06-30-17
Chairman of the Board of Trustees	Michael R. Berghoff	07-01-15 to 06-30-17



STATE BOARD OF ACCOUNTS 302 WEST WASHINGTON STREET ROOM E418 INDIANAPOLIS, INDIANA 46204-2769

> Telephone: (317) 232-2513 Fax: (317) 232-4711 Web Site: www.in.gov/sboa

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 BOARD OF ACCOUNTS 302 WEST WASHINGTON STREET ROOM E418 INDIANAPOLIS, INDIANA 46204-2769

> Telephone: (317) 232-2513 Fax: (317) 232-4711 Web Site: www.in.gov/sboa

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. Joyce, CPA State Examiner

October 12, 2016



STATE BOARD OF ACCOUNTS 302 WEST WASHINGTON STREET ROOM E418 INDIANAPOLIS, INDIANA 46204-2769

> Telephone: (317) 232-2513 Fax: (317) 232-4711 Web Site: www.in.gov/sboa

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 (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. Joyce, CPA State Examiner

February 22, 2017

(This page intentionally left blank.)

oro
ere the

(This page intentionally left blank.)

							Ollers				
	CFDA		Identifying	Research and Dev	elopment Cluster Expenditures to	Student Financial Federal Awards	Assistance Cluster*	Oth Federal Awards		Tota Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Expenditures to Subrecipients	Expended	Expenditures to Subrecipients	Expended	Subrecipients
Departn	nent of Agri	culture									
Ĺ	Direct Programs	s 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	-
-	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	r	-	-	-		- 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	-

^{*} denotes major programs

^{***}denotes pass-through agency

Grantor

CFDA

No.

10.902

10.960

10.961

10.962

10.000

Total Direct Program

Pass-Through Grantors by CFDA

Department of Agriculture (continued) 10.912

U.S. Department of Agriculture Grantor: *** Michigan State University Grantor: *** P3 Nano *** P3 Nano Total Grantor: *** U of Kentucky CTR for Poverty

10.000

Grantor: *** Cornell University

Grantor: *** Xavier University

Grantor: *** Kansas State University

Grantor: *** University Of New Mexico

Grantor: *** IN Department of Natural

*** IN Department of Natural

Grantor: *** Agricultural Research Service

CFDA Title/Pass-Through Grantor

Soil and Water Conservation

Environmental Quality Incentives Program

Technical Agricultural Assistance

Scientific Cooperation and Research

Cochran Fellowship Program-International Training-

Foreign Participant

10.001 Agricultural Research_Basic and Applied Research

Total CFDA No.

	59-3655	-2-629 127,002
	59-5012	-5-008 25,213
	59-5020	-6-001 23,470
-	*** Agricultural Research Service Total	218,262
Ī	Grantor: *** Texas A&M AgriLife Research 06-S150	626 11,689
-	Total CFDA No. 10.001	229,951
10.025 Pla	nt and Animal Disease, Pest Control, and Animal Care	

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

3,470,695

-

.

_

-

_

Expenditures to

Subrecipients

Student Financial Assistance Cluster*

-

-

-

-

_

Expenditures to

Subrecipients

Federal Awards

Expended

96,763

126,546

22,339

36,234

-

-

-

_

-

(100)

(100)

16,378,741

-

Expenditures to

Subrecipients

13,356

11,616

2,026,872

-

Federal Awards

Expended

Research and Development Cluster

178,485

64,498

19,625,820

3.304

18.395

88,249

106,644

4,075

114,023

24 739

1.047

16,791

19,986

2.750

1,953

54,927

44,047

100.927

4,729

128,392

Federal Awards

Expended

Identifying

Number

RC068341

3048109631-14-015

58-3602-4-016

59-3602-3-005

59-3602-3-006

74605-10469

0480CQ-87V3

E4-15-KP0003

USDA-2016-01

EDS E4-16-K0001

EDS E4-16-KP0002

S16026

P3-1

P3-3

Total CFDA No. 10.025 Federal-State Marketing Improvement Program

Resources

Resources Total

Total

178,485

161,261

126,546

22,339

36,234

3.304

18.395

88,249

106,644

4,075

114,023

24 739

1.047

16,791

127.002

25.213

23,470

218,262

11,689

229,951

19,986

2.750

(100)

1,953

54,927

44,047

100.927

4,729

128,292

36,004,561

Expenditures to

Subrecipients

13,356

11,616

5,497,567

Federal Awards

Expended

12-

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Development Cluster		Student Financial Assistance Cluster*		Other		Total	
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying 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
Gramor	140.	Grantor: *** Michigan State University	RC103170P	7,261	- 30brecipienis		Sobrecipierns		- 30brecipieriis	7,261	- Sobrecipieriis
		Total CFDA No. 10.156		7,261	-	-			-	7,261	
Departme	nt of Agricult	ture (continued)									
·	-									_	-
	10.170	Specialty Crop Block Grant Program - Farm Bill Grantor: *** IN State Department of	A337-14-SCBG-13-001					- 15,077		15,077	
		Agriculture	A337-15-SCBG-12-001A	(00)				- 13,077			
				(63)						. ,	
			EDS A337-13-SCBG-12-005	(233)	-	-			-	(233)	
			EDS A337-15-SCBG-14-002	-	-	-		- 41,089	-	41,089	-
			EDS A337-15-SCBG-14-005	64,321	30,339	-		-	-	64,321	30,339
			EDS A337-15-SCBG-14-006	11,795	-	-			-	11,795	-
			EDS A337-16-SCBG-15-003	8,702	-	-			-	8,702	-
			EDS A337-16-SCBG-15-004	12,392		-				12,392	
		*** IN State Department of		96,914	30,339	-		- 56,166	-	153,080	30,339
		Agriculture Total Total CFDA No. 10.170		96,914	30,339	-		- 56,166		153,080	30,339
	10.000		0	•	•					-	
	10.200	Grants for Agricultural Research, Special Research Grantor: *** Colorado State University	UV MONITORING 2008	1,753	-				_	1,753	_
- 13		Grantor: *** Iowa State University	416-40-93Q	1,700				- 213			
Ϋ́		Grantor: *** Michigan State University	RC103972A	10,000	10,000						10,000
		Total CFDA No. 10.200		11,753	10,000			- 213	-		10,000
	10.000		the Hetch Ast	•	-						
	10.203	Payments to Agricultural Experiment Stations Under Grantor: *** University Of Hawaii	PO 98543	11,182	-	-			-	11,182	-
		Total CFDA No. 10.203		11,182		-			-		
	10.212	Small Business Innovation Research									
		Grantor: *** En'urga, Inc.	14033667	884	-	-			-	884	-
			14087887	64,209	-	-			-	64,209	-
		*** En'urga, Inc. Total		65,093	-	-			-	65,093	-
		Grantor: *** Los Gatos Research Inc	13087567	29,990	-	-			-	29,990	-
		Total CFDA No. 10.212		95,083	-	-			-	95,083	-
	10.215	Sustainable Agriculture Research and Education								-	-
		Grantor: *** University Of Minnesota	H003040114	-	-	-		- 8,869	-	8,869	-
			H003679412	-	-	-		- 9,066	-	9,066	-
			H004403704 LNC14-359	71,268	-	-			-	71,268	-
			H004403713	-	-	-		- 3,107	-	3,107	-
			H004403722	21,181	-	-			-	21,181	-
			H004403738	1,552	-	-			-	1,552	

^{*} denotes major programs

Department of Agriculture (CFDA Title/Pass-Through Grantor """ University Of Minnesota Total (continued) Total CFDA No. 10.215 gher Education Challenge Grants Grantor: "" Texas A&M University Grantor: "" University Of Illinois Total CFDA No. 10.217 egrated Programs Grantor: "" North Dakota State University Grantor: "" North Dakota State University Grantor: "" In University Of Connecticut Grantor: "" IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: "" Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative Grantor: "" Auburn University	Identifying Number H004991210 06-S150646 2013-04368-01 (AA633) FAR0021475 76427 IU-4394216-PU RC101676PU 13-AGR-373027-PU	Federal Awards Expended 13,696 107,697 107,697 75,743 75,743 26,755 72,192 23,630 122,577 72,850 72,850	Expenditures to Subrecipients	-	-	- 21,042 - 21,042 - 18,001 - 18,001 	-	Federal Awards Expended 13,696 128,739 128,739 18,001 75,743 93,744 26,755 72,192 23,630 122,577 72,850 72,850	Expenditures to Subrecipients
Department of Agriculture (7	**** University Of Minnesota Total c (continued) Total CFDA No. 10.215 The Education Challenge Grants Grantor: *** Texas A&M University Grantor: *** University Of Illinois Total CFDA No. 10.217 Total CFDA No. 10.217 Total CFDA No. 10.303 Total CFDA No. 10.303 Total CFDA No. 10.304	H004991210 06-S150646 2013-04368-01 (AA633) FAR0021475 76427 IU-4394216-PU RC101676PU	13,696 107,697 107,697 107,697 75,743 75,743 26,755 72,192 23,630 122,577 72,850 72,850	-			- 21,042 - 21,042 - 18,001 - 18,001	-	13,696 128,739 128,739 18,001 75,743 93,744 26,755 72,192 23,630 122,577 72,850	-
10.217 High 10.303 Integ 10.304 Hom 7 10.304 Agric	per (continued) Total CFDA No. 10.215 gher Education Challenge Grants Grantor: *** Texas A&M University Grantor: *** University Of Illinois Total CFDA No. 10.217 egrated Programs Grantor: *** North Dakota State University Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	06-S150646 2013-04368-01 (AA633) FAR0021475 76427 IU-4394216-PU	107,697 107,697 107,697 75,743 75,743 26,755 72,192 23,630 122,577 72,850 72,850	- - - - - - - -			- 21,042 - 21,042 - 18,001 - 18,001 	-	128,739 128,739 18,001 75,743 93,744 26,755 72,192 23,630 122,577 72,850	-
10.217 High 10.303 Integ 10.304 Hom 7 10.304 Agric	per (continued) Total CFDA No. 10.215 gher Education Challenge Grants Grantor: *** Texas A&M University Grantor: *** University Of Illinois Total CFDA No. 10.217 egrated Programs Grantor: *** North Dakota State University Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	2013-04368-01 (AA633) FAR0021475 76427 IU-4394216-PU RC101676PU	107,697 75,743 75,743 26,755 72,192 23,630 122,577 72,850 72,850	-			- 21,042 - 18,001 - 18,001	-	128,739 18,001 75,743 93,744 26,755 72,192 23,630 122,577 72,850	-
10.217 High 10.303 Integ 10.304 Hom 7 10.304 Agric	pher Education Challenge Grants Grantor: *** Texas A&M University Grantor: *** University Of Illinois Total CFDA No. 10.217 egrated Programs Grantor: *** North Dakota State University Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	2013-04368-01 (AA633) FAR0021475 76427 IU-4394216-PU RC101676PU	75,743 75,743 75,743 26,755 72,192 23,630 122,577 72,850 72,850	- - - - - -			- 18,001 - 18,001 		18,001 75,743 93,744 26,755 72,192 23,630 122,577	-
10.217 High 7 10.303 Integ Ir 7 10.304 Hom 7 10.310 Agric	gher Education Challenge Grants Grantor: *** Texas A&M University Grantor: *** University Of Illinois Total CFDA No. 10.217 egrated Programs Grantor: *** North Dakota State University Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	2013-04368-01 (AA633) FAR0021475 76427 IU-4394216-PU RC101676PU	75,743 75,743 75,743 26,755 72,192 23,630 122,577 72,850 72,850	- - - - - -			- 18,001 - 18,001 		18,001 75,743 93,744 26,755 72,192 23,630 122,577	-
10.303 Integ	Grantor: *** Texas A&M University Grantor: *** University Of Illinois Total CFDA No. 10.217 egrated Programs Grantor: *** North Dakota State University Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	2013-04368-01 (AA633) FAR0021475 76427 IU-4394216-PU RC101676PU	75,743 75,743 26,755 72,192 23,630 122,577 72,850 72,850	- - - - -		-	- 18,001 	-	75,743 93,744 26,755 72,192 23,630 122,577 72,850	-
10.303 Integ Ir 7 10.304 Hom 7 10.310 Agric	Grantor: *** University Of Illinois Total CFDA No. 10.217 egrated Programs Grantor: *** North Dakota State University Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	2013-04368-01 (AA633) FAR0021475 76427 IU-4394216-PU RC101676PU	75,743 75,743 26,755 72,192 23,630 122,577 72,850 72,850	- - - - -		-	- 18,001 	-	75,743 93,744 26,755 72,192 23,630 122,577 72,850	-
10.303 Integ Ir 7 10.304 Hom 7 10.310 Agric	Total CFDA No. 10.217 egrated Programs Grantor: *** North Dakota State University Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	FAR0021475 76427 IU-4394216-PU RC101676PU	75,743 26,755 72,192 23,630 122,577 72,850 72,850	-		-	- 18,001	-	93,744 26,755 72,192 23,630 122,577 72,850	-
10.303 Integ Ir 7 10.304 Hom 7 10.310 Agric	egrated Programs Grantor: *** North Dakota State University Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	76427 IU-4394216-PU RC101676PU	26,755 72,192 23,630 122,577 72,850	- - -	-	-		- - -	26,755 72,192 23,630 122,577	-
10.304 Hom	Grantor: *** North Dakota State University Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	76427 IU-4394216-PU RC101676PU	72,192 23,630 122,577 72,850 72,850	-		-		-	72,192 23,630 122,577 72,850	-
10.304 Hom 7 10.310 Agric	Grantor: *** University Of Connecticut Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	76427 IU-4394216-PU RC101676PU	72,192 23,630 122,577 72,850 72,850	-		-		-	72,192 23,630 122,577 72,850	-
10.304 Hom 7 10.310 Agric	Grantor: *** IN Univ Purdue Univ at Indianapolis Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	IU-4394216-PU RC101676PU	23,630 122,577 72,850 72,850	-				-	23,630 122,577 72,850	-
10.304 Hom 7 10.310 Agric	Total CFDA No. 10.303 meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative	RC101676PU	122,577 72,850 72,850	-	-			-	122,577 72,850	
10.304 Hom 7	meland Security_Agricultural Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative		72,850 72,850		-			-	72,850	-
10.310 Agric	Grantor: *** Michigan State University Total CFDA No. 10.304 riculture and Food Research Initiative		72,850	-						-
10.310 Agric	Total CFDA No. 10.304 riculture and Food Research Initiative		72,850	-						
10.310 Agric	riculture and Food Research Initiative	13-AGR-373027-PU	_		-	-	-	-	72,850	
		13-AGR-373027-PU	54 401							
-14-	Grantor: *** Auburn University	13-AGR-373027-PU	54 401							
-				-	-		-	-	54,401	
	Grantor: *** Cornell University	62524-9495	101,865	-	-			-	101,865	
	Grantor: *** Iowa State University	416-17-01G	310,039	-	-		- 161,728	-	471,767	-
		416-40-63D	124,866	-	-		- 136,552	-	261,418	-
		416-40-96A	262	-	-			-	262	-
	*** Iowa State University Total		435,167	-	-	-	298,280	-	733,447	-
	Grantor: *** Kansas State University	S11203	139,582	60,793	-			-	139,582	60,793
		S15170	13,397	-	-			-	13,397	
		S16156	13,236	-	-			-	13,236	-
_	*** Kansas State University Total		166,215	60,793	-	-	-	-	166,215	60,793
	Grantor: *** Pennsylvania State University	5237-PU-USDA-3509	75,444	-	-			-	75,444	-
	Grantor: *** South Dakota State University	3TE462	58,272	-	-			-	58,272	-
	Grantor: *** University Of Arizona	277590	68,104	-	-			-	68,104	
	Grantor: *** University Of Arkansas	UA AES 91088-02	327,290	-	-			-	327,290	-
	Grantor: *** University Of Notre Dame	201995	29,088	-	-				29,088	-
	Grantor: *** Agricultural Research Service	59-3602-4-002	42,664	-	-			-	42,664	-
		59-3602-4-004	43,450	-	-			-	43,450	-
		59-3635-4-001	15,409	-	-			-	15,409	-
		59-8040-5-001	87,066	-	-			-	87,066	-
					-			-	188,589	

^{*} denotes major programs

				Research and Deve	elopment Cluster	Student Financial Assistance Cluster*		Off	ner	Total	
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying 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
Gianioi	NO.	Grantor: *** University Of California-Riverside		88,786	30brecipieriis	- Expended	·		30DIECIPIETIIS	88,786	Subrecipients
		Grantor: *** Virginia Polytechnic Inst & State		30,700						00,700	
		Univ	422262-19084	11,790	-	-		-	-	11,790	-
			422475-19084	115,740	-	-			-	115,740	-
Departmen	t of Agricu	Iture (continued)									
		*** Virginia Polytechnic Inst & State Univ Total		127,530	-	-			-	127,530	-
		Total CFDA No. 10.310		1,720,751	60,793	-		- 298,280		2,019,031	60,793
	10.320	Sun Grant Program									
		Grantor: *** South Dakota State University	3TZ114	11,610	2,200	-		-	-	11,610	2,200
		Total CFDA No. 10.320		11,610	2,200	-				11,610	2,200
	10.352	Value-Added Producer Grants									
		Grantor: *** Mississippi State University	018000.340753.01		-	-		- 129,803	-	129,803	-
		Total CFDA No. 10.352		-	-	-		- 129,803	-	129,803	-
	10.500 *	Cooperative Extension Service									
		Grantor: *** Illinois Cooperative Extension Service	14098242	41,379	-	-				41,379	
		Grantor: *** Kansas State University	2014-48713-22245	-	-	-		- (27)	-	(27)	-
			S15025	-	-	-		- 4,672		4,672	
<u></u>			S15047	-	-	-		- 4,366	-	4,366	-
15			S15202		-	-		- 29,769	-	29,769	-
			S16126	-	-	-		- 1,403	-	1,403	-
		*** Kansas State University Total		-	-	-		- 40,183	-	40,183	-
		Grantor: *** Pennsylvania State University	5030-PU-UM-9802	-	-	-		- 29,992	-	29,992	-
			5137-PU-USDA-2628	-	-	-		- 3,220	-	3,220	-
		*** Pennsylvania State University Total		-	-	-		- 33,212	-	33,212	-
		Grantor: *** University Of Minnesota	H002484612	-	-	-		- 6,300	-	6,300	-
			H003044612	-	-	-		- 5,932	-	5,932	-
			H003703712	-	-	-		- 12,107	-	12,107	-
		*** University Of Minnesota Total		-	-	-		- 24,339	-	24,339	-
		Grantor: *** National Inst of Food & Agricultur	re 10-48869-20781	-	-	-		- 49,510	36,562	49,510	36,562
			13-48762-21537	-	-	-		- 972,622	-	972,622	
			2010-48869-20781B	-	-	-		- (1,051)	-	(1,051)	-
			2012-48756-20192	-	-	-		- 761,806	691,952	761,806	691,952
		*** National Inst of Food & Agriculture Total		-	-	-		- 1,782,887	728,514	1,782,887	728,514
		Grantor: *** University Of Nebraska-Lincoln	25-6324-0119-103	-	-	-		- 315	-	315	-
			25-6324-0119-313	-	-	-		- 9,229	-	9,229	-
			25-6365-0040-705		-			- 9,341	-	9,341	-
		*** University Of Nebraska-Lincoln									
		Total		-	-	-		- 18,885	-	18,885	

^{*} denotes major programs

				Research and Dev	•		l Assistance Cluster*	Off		Toto	
	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients	Federal Awards Expended	Expenditures to Subrecipients	Federal Awards Expended	Expenditures to Subrecipients	Federal Awards Expended	Expenditures t Subrecipients
		Total CFDA No. 10.500		41,379	-	-		- 1,899,506	728,514	1,940,885	728,
10	0.557	Special Supplemental Nutrition Program for Women, Inf	fants, and Children								
		Grantor: *** IN State Department of Health	13498	-	-	-		- 10,215	-	10,215	
		Total CFDA No. 10.557			-	-		- 10,215	-	10,215	
ment of	of Agricult	ture (continued)									
Child Cluste	d Nutrition er	1									
10	0.559	Summer Food Service Program for Children		_							
		Grantor: *** IN Department of Education	15109148	-	-	-		- 43,838	-	43,838	
			15110250	-	-	-		- 3,501	-	3,501	
			151198915	-	-	-		- 895	-	895	
			15121355	-	-	-		- 7,627	-	7,627	
		*** IN Department of Education Total		-	-	-		- 55,861	-	55,861	
		Total CFDA No. 10.559		-	-	-		- 55,861	-	55,861	
		Total Child Nutrition Cluster		-	-	-		- 55,861		55,861	
SNAF	P Cluster										
10	0.561	State Admin Matching Grants for the Supplemental Nutr	rition Assistance Program								
		Grantor: *** IN Family & Social Services Admin	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	0.652	Forestry Research									
		Grantor: *** US Endowment Forestry Communities	E15-16	12,789	-	-		-	-	12,789	
		Total CFDA No. 10.652		12,789	-	-			-	12,789	
10	0.771	Rural Cooperative Development Grants									
		Grantor: *** Indiana Cooperative Development Center	^{1t} 14121033	-	-	-		- 72,360	-	72,360	
		Grantor: *** Mississippi State University	018000.340452.22	96,598	64,705	-		-	-	96,598	64
		Total CFDA No. 10.771		96,598	64,705	-		- 72,360	-	168,958	64
10	0.902	Soil and Water Conservation									
		Grantor: *** IN Assoc of Soil & Water Conserv Dist	15087816	57,747	-	-		-	-	57,747	
		Total CFDA No. 10.902		57,747	-	-			-	57,747	
10	0.912	Environmental Quality Incentives Program									
		Grantor: *** IN Assoc of Soil & Water Conserv Dist	12098278	27,316	-	-			-	27,316	
		Grantor: *** Conservation Technology Information Ctr	13109145	-	-	-		- 55,691	-	55,691	
		Grantor: *** Farm Foundation	693A7516007	-	-	-		- 33,171	-	33,171	
		Total CFDA No. 10.912		27,316	-	-		- 88,862		116,178	

^{*} denotes major programs

				Research and Dev	relopment Cluster	Student Financial	Assistance Cluster*	Off	ner	Toto	al
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
	10.960	Technical Agricultural Assistance Grantor: *** University Of Minnesota	H005269701	12,431	_	_			_	12,431	
		Total CFDA No. 10.960	11000200701	12,431						12,431	
	T-4-/ D T	-		3,054,047	168,037			- 9,320,227		12,374,274	896,551
		hrough Grantors		3,054,047	100,037	-		9,320,227	728,514	12,374,274	090,001
Departn	nent of Agricul	Iture (continued)									
	Total Departn	nent of Agriculture		22,679,867	3,638,732	-		25,698,968	2,755,386	48,378,835	6,394,118
D											
•	ment of Cor										
	Direct Program		174 1001					40.000			
	11.000	U.S. Department of Commerce	IPA 1604	-	-	-	-	,	-	10,933	-
			- IP1401	68,937	-	-	-		-	68,937	
		Total CFDA No.11.000		68,937	-	-	-	70,000	-	79,870	-
	11.013	Education Quality Award Ambassadorship	-	4,183	-	-			-	4,183	-
	11.303	Economic Development_Technical Assistance	-	-	-	-		2 10,207	54,479	240,237	54,479
	11.431	Climate and Atmospheric Research	-	56,692	37,756	-			-	56,692	37,756
	11.459	Weather and Air Quality Research Measurement and Engineering Research and	-	81,525	-	-			-	81,525	
<u> </u>	11.609	Standards	-	821,920	-	-	·	,	-	841,920	-
17-	11.611	Manufacturing Extension Partnership Arrangements for Interdisciplinary Research	•	-	-	-		2,540,124	-	2,540,124	-
	11.619	Infrastructure	-	289,521	-	-		-	-	289,521	
	11.620	Science, Technology, Business and/or Education Outreach	-	-	-	-	-	41,421	-	41,421	-
	Total Direct I	Program		1,322,778	37,756	-		2,852,715	54,479	4,175,493	92,235
	Pacc-Through	Grantors by CFDA									
		U.S. Department of Commerce									
		Grantor: *** Applied Research Associates, Inc	S-D00017.TO9.01.PURDUE	99,194	-	-			-	99,194	-
		Grantor: *** Great Lakes Observing System	IOOS/OBS-04		-			- 42,651		42,651	
		Grantor: *** Alliance for Regional	15098588	5,024						5,024	
		Development	13030300								
		Total CFDA No. 11.000		104,218	-	-		42,651	-	146,869	
	11.013	Education Quality Award Ambassadorship Grantor: *** Oregon State University	X0175A-B		_	_		- 5,979		5,979	
		Total CFDA No. 11.013	X0173X B	-						5,979	
	Economic De	evelopment Cluster						5,575		5,575	
	11.307	Economic Adjustment Assistance	13011615	4.004		_		- 78 880		02.074	
		Grantor: *** Battery Innovation Center	13011013	4,994				70,000		83,874	
		Total CFDA No. 11.307		4,994	-	-			-	83,874	-
		Total Economic Development Cluster		4,994	-	-	-	78,880	-	83,874	-

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Dev	elopment Cluster	Student Financial	Assistance Cluster*	Off	ner	Tota	ıl
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
Giulioi	11.417	Sea Grant Support	Number	Ехрепаеа	Subrecipieriis	Expended	subrecipierns	Expended	Sobiecipienis	Expended	Subrecipieriis
	11.417	Grantor: *** University Of Illinois	2014-02342-01	17,339	2,871	-		- 272,060	-	289,399	2,871
			2014-06610-01		-	-		- 25,765	-	25,765	-
			2015-05870-01		-	-		- 35,350	-	35,350	-
Departme	nt of Comm	nerce (continued)									
		*** University Of Illinois Total		17,339	2,871	-		- 333,175	-	350,514	2,871
		Grantor: *** University of Wisconsin	611K354		-	-		- 2,401	-	2,401	-
		Grantor: *** Univ Of Illinois At Champaign- Urbana	2010-02247-1	14,701	-	-		- 106	-	14,807	-
			2010-03074-01	-	-	-		- 132,959	-	132,959	-
			2014-02342-06	-	-	-		- 93,935	-	93,935	-
			2014-02342-07	86,470	-	-			-	86,470	-
		*** Univ Of Illinois At Champaign- Urbana Total		101,171	-	-		- 227,000	-	328,171	-
		Total CFDA No. 11.417		118,510	2,871	-		- 562,576	-	681,086	2,871
	11.419	Coastal Zone Management Administration Awards									_
ı,		Grantor: *** IN Department of Natural Resources	E16-4-BKS0330		-	-		- 341	-	341	-
18			E16-5-KMA0341	948	-	-			-	948	-
			EDS E16-5-KMA0340	6,419	-	-			-	6,419	-
			EDS E16-5-MKM00427	13,809	-	-			-	13,809	-
			EDS E16-6-KMA0521	11,372	-	-			-	11,372	-
			EDS E16-6-KMA0522	5,594	-	-			-	5,594	-
			EDS E16-6-KMA0523	19,565	-	-			-	19,565	-
			EDS E16-6-KMA0524	15,332	-	-			-	15,332	-
		*** IN Department of Natural Resources Total		73,039	-	-		- 341	-	73,380	-
		Total CFDA No. 11.419		73,039	-	-		- 341	-	73,380	-
	11.431	Climate and Atmospheric Research									
		Grantor: *** University Of Michigan	3003365496	43,920	23,276	-			-	43,920	23,276
		Total CFDA No. 11.431		43,920	23,276	-			-	43,920	23,276
	11.432	Office of Oceanic and Atmospheric Research (OAR) Jo	oint and Cooperative Institute								
		Grantor: *** University Of Michigan	3003502869	-	-	-		- 25,000	-	25,000	-
		Total CFDA No. 11.432		-	-	-		- 25,000	-	25,000	-
	11.609	Measurement and Engineering Research and Standard	ds								
		Grantor: *** State University Of New York	13-10	532,405	-	-			-	532,405	-

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Dev	relopment Cluster	Student Financial	Assistance Cluster*	Oth	ier	Tota	ı
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Granto	r No.	CFDA Title/Pass-Through Grantor Total CFDA No. 11.609	Number	Expended 532,405	Subrecipients -	Expended -	Subrecipients	Expended -	Subrecipients -	Expended 532,405	Subrecipients
	11.611	Manufacturing Extension Partnership									
	11.011	Grantor: *** IN Economic Development Corporation	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
Depart		nerce (continued)									
	Total Depart	tment of Commerce		2,199,864	63,903	-		- 3,569,813	54,479	5,769,677	118,382
Depar	tment of De	efense									
<u>Air</u>	<u>Force</u>										
	Direct Progra	ams by CFDA									
	12.000	U.S. Department of Defense	14-EPA-RQ-02	105,377	-	-		-	-	105,377	0
			PO J030	12,492	-	-			-	12,492	0
			FA8651-16-D-0287	169,981	-	-			-	169,981	0
	-	Total CFDA No.12.000		287,850	-	-			-	287,850	-
ı,	12.351	Basic Scientific Research - Combating Weapons of Mass Destruction	-	73,438	-	-				73,438	0
-19-	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 Direct	t Program		4,212,559	270,664	-			-	4,212,559	270,664
	Paga Throug	h Grantors by CFDA									
	12.000	U.S. Department of Defense									
	12.000	Grantor: *** P. C. Krause And Associates, Inc.	14240915-P0001	(1,176)	-	-			-	(1,176)	-
		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	-
		*** Universal Technology Corporation Total		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	-

^{*} denotes major programs

				Research and Dev	elopment Cluster	Student Financia	Il Assistance Cluster*	Oti	her	Tota	ıl
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor Grantor: *** UES Inc.	Number PO925-010-0540	Expended 4,359	Subrecipients	Expended	Subrecipients	Expended	Subrecipients -	Expended 4,359	Subrecipients
		Grantor. DES Inc.	S-111-013-001						-		-
			S-977-014-002	73,229						73,229	
			3-377-014-002			-					
		*** UES Inc. Total		91,592	-	-			-	91,592	-
		Grantor: *** Lockheed Martin Corp.	DG3532210E	614	-	-			-	614	-
Department	t of Defens	e (continued)									
		Grantor: *** Erc, Inc.	PS160007	30,554	-	-			-	30,554	-
			R5150291	-	-	-		- 46,896	-	46,896	-
			RS140017	33,665		-			-	33,665	-
		*** Erc, Inc. Total		64,219		-		- 46,896		111,115	-
		Grantor: *** Technology Service Corporation	TSC-1072-40066	(23)	-	-			-	(23)	-
		Grantor: *** Alion Science and Technology	SUB1122422-002	-		-		- 266	-	266	-
		Grantor: *** Ultramet	PO 11035	-	-	-		- 3,886	-	3,886	-
		Grantor: *** Aspen Aerogels Inc	15022082	5,225		-			-	5,225	-
		Grantor: *** Innovative Science Solutions, Llc	SB20167	31,677		-			-	31,677	-
		Grantor: *** NEI Corporation	15033088	19,677		-			-	19,677	-
J.		Grantor: *** HyPerComp Inc	15033104	132,578		-		- 242,829	-	375,407	-
20-			HPC12PU-AFOSR-AFRL-2015-	35,104					-	35,104	-
		*** HyPerComp Inc Total		167,682		-		- 242,829	-	410,511	-
		Grantor: *** Georgia Institute Of Technology	D7582-S1	898,713	60,272				-	898,713	60,272
		Grantor: *** Exquadrum Inc	15120987	45,000		-			-	45,000	-
		Grantor: *** CFD Research Corporation	9191	51,806		-			-	51,806	-
		Grantor: *** University Of California-Los Angeles	0205GTA682	78,263		-			-	78,263	-
		Grantor: *** Special Metals Corp.	PO 743947	10,471	-	-			-	10,471	
		Grantor: *** Mechanical Solutions Inc	15098434	7,303	-	-			-	7,303	-
		Total CFDA No. 12.000		2,049,464	60,272	-		- 293,877	-	2,343,341	60,272
	12.300	Basic and Applied Scientific Research									
		Grantor: *** North Carolina State University	2010-1710-02	269,424	-	-			-	269,424	
		Grantor: *** Stanford University	60133438-107808-A	156,263	-	-			-	156,263	
		Total CFDA No. 12.300		425,687	-	-			-	425,687	-
	12.800	Air Force Defense Research Sciences Program									
		Grantor: *** Harvard University	123885-5079396	472,730		-			-	472,730	-
		Grantor: *** North Carolina State University	2013-0906-01	52,379	-	-			-	52,379	
		Grantor: *** Pennsylvania State University	4792-PU-AFOSR-0004	95,676	20,085	-			-	95,676	20,085
		Grantor: *** University Of Chicago	FP057123-D	313,931		-			-	313,931	-
		Grantor: *** University Of Colorado	1551965	76,971		-			-	76,971	-

^{*} denotes major programs

				Research and Deve	elopment Cluster	Student Financia	l Assistance Cluster*	0	ther	Tota	al
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
Gramor	140.	Grantor: *** University Of Michigan	3002085643	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: *** Carnegie-Mellon University	1150119-294739	294,588	-	-		-		294,588	-
		Grantor: *** Case Western Reserve University	y RES506635	188,388	-	-		-		188,388	-
Departr	ment of Defense (continued)									
		Grantor: *** University Of California-Riverside	S-000563	59,804	-	-		-		59,804	-
			S-000701	206,205	-	-		-	-	206,205	-
		*** University Of California-Riverside Total		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: *** Von Karman Inst for Fluid Dynamics	FA9550-16-1-0120	16,521	-	-		-	-	16,521	-
۷.		Grantor: *** Rensselaer Polytechnic Institute	A12718 PO 183154	2,221	-	-				2,221	-
21-		Total CFDA No. 12.800		2,400,599	20,085	-			-	2,400,599	20,085
	Total Pass-Thro	ough 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
Arm	ıv										
	Direct Programs I	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

^{*} denotes major programs

^{***}denotes pass-through agency

	CFDA		Identifying	Research and Dev Federal Awards	Expenditures to	Federal Awards	I Assistance Cluster* Expenditures to	Oti Federal Awards	Expenditures to	Tota Federal Awards	Expenditures to
Grantor		CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	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 Direct P			4,547,547	293,819					4,547,547	293,819
Departr	nent of Defense										
		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	<u> </u>
		Grantor: *** Georgia Institute Of Technology Grantor: *** University Of California-Los	RC217-G6	26,450	-	-		-	-	26,450	-
		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	-
-22-		Grantor: *** Leidos	P010170864	-	-	-		122,210	-	122,210	-
'n		Grantor: *** Memtronics Corporation	752953681-13001	28,718	-	-		-	-	28,718	-
		Grantor: *** 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
	12.420	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	-
	12.431	Basic Scientific Research									
		Grantor: *** Cornell University	74063-10466	93,501	-	-			-	93,501	-
		Grantor: *** Indiana University	BL-4329734-PU	17,148	-	-		-	-	17,148	-
		Grantor: *** 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	419K823	88,080	-	-			-	88,080	
		Grantor: *** University of Sydney	G170302	147,457	-	-				147,457	
		2		, 107						, 101	

^{*} denotes major programs

				Research and Dev	elopment Cluster	Student Financial	Assistance Cluster*	Oth	ner	Toto	ıl
Cranta	CFDA	CEDA Tilla (Desa Through Compton	ldentifying Number	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Granto	r No.	CFDA Title/Pass-Through Grantor Grantor: *** Baylor University	37050214-01	Expended 22,748	Subrecipients -	Expended -	Subrecipients	Expended -	Subrecipients -	Expended 22,748	Subrecipients -
		Total CFDA No. 12.431		687,630	13,741	-				687,630	13,741
	12.611	Community Economic Adjustment Planning Assistance	for Reductions in Defense Indu								
	12.011	Grantor: *** University Of Michigan	3003171486		-	-		- 261,733	-	261,733	-
		Total CFDA No. 12.611		-	-	-		- 261,733	-	261,733	-
	12.630	Basic, Applied, and Advanced Research in Science and	d Engineering								
		Grantor: *** University Of Delaware	35386	8,364	-	-			-	8,364	-
Depart	ment of Defens	se (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-T	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
<u>Def</u>	ense Advanc	ed Research Projects Agency									
	Direct Program	ms by CFDA									
\ \ \	12.000	U.S. Department of Defense	COEUS 11098094		-	-		- 6,412	-	6,412	-
Ψ			HR0011-12-C-0096	132,168	15,610	-			-	132,168	15,610
			HR0011-13-2-0010	394,004	10,172					394,004	10,172
				394,004	10,172	-		-	-		10,172
	-		JAGANNATHAN IPA	-	-	-		- 247,143	-	247,143	
	-	Total CFDA No.12.000		526,172	25,782	-		- 253,555	-	779,727	25,782
	12.910	Research and Technology Development	-	2,198,880	838,184	-			-	2,198,880	838,184
	Total Direct	Program		2,725,052	863,966	-		- 253,555	-	2,978,607	863,966
		0									
	12.000	Grantors by CFDA									
	12.000	U.S. Department of Defense Grantor: *** Raytheon	PO 9500012783	182,177	-	-			-	182,177	-
		Grantor: *** Sri International	19-000269	158,449	-	-			-		
		Grantor: *** University Of Minnesota	A003571412	469,785	-	-			-	469,785	
		Grantor: *** University Of Notre Dame	2013-MA-2383	815,212	-	-			-	815,212	
		Grantor: *** University Of Southern California	50424258	207,195	-				-	207,195	-
		Grantor: *** University Of California-Los Angeles	0142SQA031	327,474	-				-	327,474	-
		Grantor: *** Hrl Laboratories, Llc	12105-301701-DS	248,713	-	-			-	248,713	-
		Grantor: *** Johns Hopkins University Applied	130148	35,375	-	-			-	35,375	-
		Physics Grantor: *** Other Lab	PNEU0206-PURDUE	783	-	-				783	
										. 55	

^{*} denotes major programs

				Research and Dev	elopment Cluster	Student Financial	Assistance Cluster*	Off	ner	Tota	al
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Granto	r No.	CFDA Title/Pass-Through Grantor Total CFDA No. 12.000	Number	Expended 2,445,163	Subrecipients -	Expended -	Subrecipients	Expended -	Subrecipients -	2,445,163	Subrecipients
				2,443,103						2,443,103	
	12.910	Research and Technology Development									
		Grantor: *** Boeing Company, The	1235919	31,832	-	-			-	31,832	
		Total CFDA No. 12.910		31,832	-	-			-	31,832	
	Total Pass-Th	hrough Grantors		2,476,995	-	-			-	2,476,995	
	Total Defense	Advanced Research Projects Agency		5,202,047	863,966	-		- 253,555	-	5,455,602	863,96
<u>Na</u>	vy ment of Defense	e (continued)									
	Direct Program	ns 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	45,80
5	12.910	Research and Technology Development	-	211,003	141,319	-			-	211,003	141,31
.24-	Total Direct F	Program		4,687,678	187,123	-		- 36,128	-	4,723,806	187,12
	Pass-Through	Grantors by CFDA									
		U.S. Department of Defense									
	12.000	Grantor: *** Bae Systems Advanced Technologies, Inc.	801017	(802)	-	-			-	(802)	
			918668	183,798	-	-			-	183,798	
		*** Bae Systems Advanced 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 Grantor: *** Charles Stark Draper Laboratory,	PO 11611 SC001-0000000951	20,208	<u> </u>			- 4,219		4,219 20,208	
		Inc. 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 MF Inst	0003A-7	406	-	-			-	406	
			PO 0025	-	-	-		- 49,792	-	49,792	
		*** American Lightweight Materials									

^{*} denotes major programs

				Research and Dev	elopment Cluster	Student Financia	I Assistance Cluster*	Oti	her	Tota	ıl
C1-	CFDA	CEDA Tille (Dave Through County)	Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Granto	or No.	CFDA Title/Pass-Through Grantor Total CFDA No. 12.000	Number	Expended 426,926	Subrecipients -	Expended	Subrecipients	- <i>67,896</i>	Subrecipients	Expended 494,822	Subrecipients
	12.300	Basic and Applied Scientific Research		,							
	12.300	Grantor: *** Florida State University	R00906	(935)	-	-			-	(935)	-
		Grantor: *** Georgia State University	SP00011356-02	413,516	-	-			-	413,516	-
		Grantor: *** University Of Texas	12606014561	7,500	-	-			-	7,500	-
		Grantor: *** Univ Of Illinois At Champaign- Urbana	2012 02341 01 (A0442)	154,582	-	-			-	154,582	-
		Grantor: *** Georgia Institute Of Technology	RD134-G2	1,581	-	-			-	1,581	-
		Grantor: *** University Of Pennsylvania	555991	187,268	-	-			-	187,268	-
		Grantor: *** Johns Hopkins University	2001286714	192,392	-	-		-	-	192,392	-
Depar	tment of Defen	se (continued)									
		Grantor: *** University of South Florida	6143-1086-00-A	28,008	-	-		-	-	28,008	<u>-</u>
		Total CFDA No. 12.300		983,912	-	-			-	983,912	<u>-</u>
	12.910	Research and Technology Development									
		Grantor: *** Johns Hopkins University	2001363021	183,507	-	-			-	183,507	<u>-</u>
		Total CFDA No. 12.910		183,507	-	-			-	183,507	
	Total Pass-	Through Grantors		1,594,345	-	-		- 67,896	-	1,662,241	-
	Total Navy			6,282,023	187,123	-		- 104,024	-	6,386,047	187,123
.25- <u>ot</u>	her DOD Age										
	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

			Research and Dev	elopment Cluster	Student Financia	Il Assistance Cluster*	Off	her	Tota	ıl
CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	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 Direct Pr	ogram		4,470,562	504,647	-		- 68,048	-	4,538,610	504,647
Pass-Through G	Grantors by CFDA									
12.000 U	J.S. Department of Defense									
	Grantor: *** Bae Systems Advanced Technologies, Inc.	919348	46,179	-	-			-	46,179	-
Department of Defense										
		PO 895442	1,701	-	-		-	-	1,701	-
	*** Bae Systems Advanced Technologies, Inc. Total		47,880	-	-			-	47,880	-
	Grantor: *** New Jersey Institute Of Technology	(NP) 996190	-	-	-		- 383,472	138,547	383,472	138,547
	Grantor: *** North Carolina State University	2014-1267-03	179,146	-	-		-	-	179,146	-
	Grantor: *** Stevens Institute Of Technology	2102592-01	46,611	-	-		-	-	46,611	-
k's		HQ0034-13-D-0004 T.O.34	48,796	-	-			-	48,796	-
26-		HQ0034-13-D-0004 TO25	(871)	-	-			-	(871)	-
	*** Stevens Institute Of Technology Total		94,536	-	-			-	94,536	-
	Grantor: *** Nanohmics Inc	14066187	233,022	-	-			-		-
	Grantor: *** IN Space, LLC Grantor: *** American Society For Engineering	INS-21102-1	-	-	-		- 364	-		
	Educ American Society For Engineering	2013 NDSEG	-	-	-		- (425)	-	(425)	-
	Grantor: *** Foresite Inc	00057511	67,605	-	-			-	67,605	
	Grantor: *** Johns Hopkins University Applied Physics	126353	19,611	-	-		-	-	19,611	-
	Grantor: *** Goldbelt Glacier HIth Serv	GBG-PURDUE-2013-0001	-	-	-		- 85,753	-	85,753	-
	Grantor: *** Giner Electrochemical System LLC	HQ0147-14-C-7027	68,514	-	-			-	68,514	-
	Grantor: *** Noblis	PO 34407	28,404	-	-			-	28,404	-
	Grantor: *** Cornerstone Research Group	15110479	-	-	-		- 8,764	-		<u> </u>
	Grantor: *** Stanford University Grantor: *** TRI Austin	6097665-118230 F7504-15-SC1576	94,729 30,000	-	-			<u>-</u>		
	Grantor: *** University Of California - Santa	KK1639	83,792		-					
	Barbara Grantor: *** Charles Stark Draper Laboratory,	SC001-0000000963	31,983	-	-			-	31,983	
	Inc. Grantor: *** S Ram Dynamics	16044615	6,175	-	-				6,175	
	Grantor: *** Lincoln Laboratory	PO 7000350501	7,434	-	-			-		-
	Total CFDA No. 12.000		992,831	-	-		- 477,928	138,547	1,470,759	138,547
12.351 E	Basic Scientific Research - Combating Weapons of Ma	ass Destruction								
	Grantor: *** Omm Scientific, Inc	HDTRA1-14-1-0043	44,116	-	-		-	-	44,116	-
	Total CFDA No. 12.351	-	44,116	-	-			-	44,116	

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

^{*} denotes major programs

^{***}denotes pass-through agency

27

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

				Research and Dev	elopment Cluster	Student Financia	l Assistance Cluster*	Oth	ner	Tota	1
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	Identifying Number	Federal Awards Expended	Expenditures to Subrecipients						
Gianioi	140.	Grantor: *** UI Labs	PROJ. 404-65-05C	38,773	- 30brecipieriis		Jobiecipieriis		- Subrecipierns	38,773	-
		Total CFDA No. 12.630		38,773	-	-			-	38,773	-
	12.631	Sci,Tech,Eng,Math (STEM) Educational Prgm: Sci,Math Grantor: *** American Society For Engineerin	n,Rsch for Transform.(SMART)	_		-		- (281)	-	(281)	-
		Total CFDA No. 12.631		_				- (281)		(281)	
	12.910	Research and Technology Development						(201)		(201)	
	12.910	Grantor: *** University of Florida	UFDSP00010589	26,751	_			_	_	26,751	_
		Total CFDA No. 12.910	0.20.000.000	26,751						26,751	
				•				- 477,647			
		Through Grantors		1,102,471		-		- 477,047	138,547	1,580,118	138,547
Departm	ent of Defen	se (continued)									
	Total Other L	DOD Agencies		5,573,033	504,647	-		- 545,695	138,547	6,118,728	643,194
	Total Depa	artment of Defense Direct Programs		20,643,398	2,120,219	-		- 357,731	-	21,001,129	2,120,219
	Total Depa	artment of Defense Pass-Through Grantors		12,421,363	376,953	-		- 1,223,363	138,547	13,644,726	515,500
	Total Depa	artment of Defense		33,064,761	2,497,172	-		- 1,581,094	138,547	34,645,855	2,635,719
	-	an Development									
_	14.906	Healthy Homes Technical Studies Grants	-	275,018	-	-			-	275,018	-
	Total Direct	Program		275,018	-	-		-	-	275,018	-
	Pass-Througi	h Grantors by CFDA									
	14.228	Community Development Block Grants/State's Program	1								
		Grantor: *** IN Economic Development Corporation	EDS A69-15-SBDC-1004	-	-	-		- (2,443)	-	(2,443)	-
			EDS A69-15-SBDC-1005	-	-	-		- 2,028	-	2,028	-
		*** IN Economic Development Corporation Total		-	-	-		- (415)	-	(415)	-
		Grantor: *** IN Office of Community & Rural Affairs	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-1	Through Grantors		77,158	15,000	-		- (149)	-	77,009	15,000
	Total Housin	ng and Urban Development		352,176	15,000	-		- (149)	-	352,027	15,000

Department of Interior

Direct Programs by CFDA

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Dev	elopment Cluster	Student Financia	Assistance Cluster*	Off	ner	Tota	1
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor Fish, Wildlife and Plant Conservation Resource	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
_	15.231	Management	-	48,162	-	-	-	-	-	48,162	
_	15.608	Fish and Wildlife 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	-
_	Total Direct I	Program		578,337	72,076	-		19,865	-	598,202	72,076
Departme	ent of Interior	r (continued)									
F	Pass-Through	Grantors by CFDA									
	15.000	U.S. Department of Interior									
		Grantor: *** California Dept Fish Wildlife	P148006	168,565	-	-			-	168,565	-
		Grantor: *** New Mexico State University	Q01746	12,686	-	-			-	12,686	-
		Total CFDA No. 15.000		181,251	-	-		-	-	181,251	-
J.	15.608	Fish and Wildlife Management Assistance									
28-		Grantor: *** Mississippi Intr Coop Resour Ass.	MICRA-15-003	28,019	-	-			-	28,019	-
		Total CFDA No. 15.608		28,019	-	-		-	-	28,019	-
	15.615	Cooperative Endangered Species Conservation Fund									
		Grantor: *** IN Dept Nat Res Div of Fish & Wildlife	EDSE2-15-WDP005	26,364	-	-			-	26,364	
		Total CFDA No. 15.615		26,364		-				26,364	
	15.805	Assistance to State Water Resources Research Institute									
		Grantor: *** University of Illinois	2015-06806-01	109,589	-	-		-	-	109,589	-
		Total CFDA No. 15.805		109,589	-	-		-	-	109,589	-
	15.815	National Land Remote Sensing_Education Outreach and	I Research								
		Grantor: *** Americaview Inc	AV13-IN01	27,568	7,220	-			-	27,568	7,220
		Total CFDA No. 15.815		27,568	7,220	-		-	-	27,568	7,220
	Total Pass-Ti	hrough Grantors		372,791	7,220	-			-	372,791	7,220
1	otal Departn	nent of Interior		951,128	79,296	-	,	19,865	-	970,993	79,296

Department of Justice

Direct Programs by CFDA

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Dev	elopment Cluster	Student Financia	l Assistance Cluster*	Oth	ner	Tota	ıl
rantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
ranior	16.560	National Institute of Justice Research, Evaluation,	Number	156,750	subrecipieriis -		·	Expended	subrecipients -	156,750	subrecipieriis
_		and Development Project Gran		1.00,7.00							
	16.726	Juvenile Mentoring Program	-	•	-	-		- 61,072	-	61,072	
Tot	tal Direct Pr	ogram		156,750				- 61,072	-	217,822	
Tota	al Departme	nt of Justice		156,750	-			- 61,072	-	217,822	
onartmoi	nt of Labo	NP									
	ect Programs										
	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	7,2
epartment	of Labor (co	ontinued)									
Tot	tal Direct Pr	ogram		730,590	-			- 76,161	7,274	806,751	7,2
Pas	s-Through G	Frantors by CFDA									
	17.502	Occupational Safety and Health_Susan Harwood Trainin	ng Grants								
		Grantor: *** Iowa State University	428-40-08A	-				- 44,410	-	44,410	
		Total CFDA No. 17.502		-	-			- 44,410	-	44,410	
Tot	tal Pass-Thr	ough Grantors		-				- 44,410	-	44,410	
Tota	al Departme	nt of Labor		730,590	-			- 120,571	7,274	851,161	7,
epartmer	nt of State)									
•	ect Programs										
	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	
Tot	tal Direct Pr	ogram						- 412,640	-	412,640	
Pas	s-Through G	irantors by CFDA									
	19.401 E	Educational Exchange_University Lecturers (Professors) and Research Scholars								
		Grantor: *** Institute Of International Education	403513					- 57,455	29,000	57,455	29
			S-ECAGD-14-CA-1032					- 32,893	-	32,893	
		*** Institute Of International Education Total		-	-			- 90,348	29,000	90,348	29,
		Total CFDA No. 19.401		-				- 90,348	29,000	90,348	29,
Tot	tal Pass-Thr	ough Grantors		-		-		- 90,348	29,000	90,348	29,
Tota	al Departme	nt of State		-	-			- 502,988	29,000	502,988	29,

Department of Transportation

^{*} denotes major programs

^{***}denotes pass-through agency

o -

Direct Programs by CFDA		Research and Dev	elopment Cluster	Student Financia	ıl Assistance Cluster*	Oi	ther	Toto	al .
Direct Programs by CFDA 20.000 U.S. Department of Transportation DTFACT DT	dentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
20.000 U.S. Department of Transportation DTFACT DTFA		zxperiada	oobrealpieriis	zxponada	CODICCIPICING		cobrealplants	zxponacu	oobi o dipidinis
DTFACT A continued of Transportation (continued) Total CFDA No.20.000 20.106 Airport Improvement Program 20.109 Air Transportation Centers of Excellence	T-13-D-00010-0002	24,013	-	-			-	24,013	
DTFACT DTFACT DTFACT DTFACT DTFACT DTFACT DTFACT DTFACT DTFACT 20.106 Airport Improvement Program 20.109 Air Transportation Centers of Excellence	HR12-87(A)	172,397	-	-			-	172,397	-
DTFACT DTFACT DTFACT DTFACT DTFACT DTFACT DTFACT OTTAL CFDA No.20.000 20.106 Airport Improvement Program 20.109 Air Transportation Centers of Excellence	T-13-D-00010-0004	8,588	-	-			-	8,588	-
DTFACT DEpartment of Transportation (continued) Total CFDA No.20.000 20.106 Airport Improvement Program 20.109 Air Transportation Centers of Excellence	T-13-D-00010-0005	81,508	-	-		- 1,086,158	847,520	1,167,666	847,520
DEPARTMENT OF Transportation (continued) Total CFDA No.20.000 20.106 Airport Improvement Program 20.109 Air Transportation Centers of Excellence	T-13-D-00010-0003	-	-	-		- 8,802	-	8,802	-
DTR	T-13-D-00010-0006	570,165	97,917	-			-	570,165	97,917
Total CFDA No.20.000 20.106 Airport Improvement Program 20.109 Air Transportation Centers of Excellence	T-13-D-00010-0001	6,283	-	-			-	6,283	-
Total CFDA No.20.000 20.106 Airport Improvement Program 20.109 Air Transportation Centers of Excellence									
20.106 Airport Improvement Program 20.109 Air Transportation Centers of Excellence	RT5715P80085	1,125	-	-			-	1,125	-
20.106 Airport Improvement Program 20.109 Air Transportation Centers of Excellence	15110206	-	-	-		- 9,629	-	9,629	-
20.109 Air Transportation Centers of Excellence		864,079	97,917	-		- 1,104,589	847,520	1,968,668	945,437
00 000 Highway Bassayah & Dayslanmant Daysyam	-	-	-	-		- 110,183	-	110,183	-
20.200 Highway Research & Development Program	-	2,134,395	203,519	-		- 31,199	-	2,165,594	203,519
	-	65,620	6,051	-			-	65,620	6,051
20.215 Highway Training and Education	-	-	-	-		- 6,793	-	6,793	-
20.701 University Transportation Centers Program	-	1,391,245	740,715	-			-	1,391,245	740,715
Total Direct Program		4,455,339	1,048,202	-		- 1,252,764	847,520	5,708,103	1,895,722
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	1-2	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 F	PO I40491823	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	-

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Development Cluster		Student Financial Assistance Cluster*		Other		Tota	ıl
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying 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
			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	-
Departmen	nt of Transpo	rtation (continued)									
			PO15815577	16,180				-		16,180	-
			SPR - 3653	8				-		8	-
			SPR-2351	19,269				-		19,269	-
			SPR-3280	2,609				-		2,609	-
<u>မ</u> 1			SPR-3307	7,426				-		7,426	-
			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	-
			, , , , ,							,	

^{*} denotes major programs

				Research and Development Cluster		Student Financial Assistance Cluster*		Other		Total	
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	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)

C
V.

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	-

^{*} denotes major programs

				Research and Development Cluster		Student Financial Assistance Cluster*		Of	her	Total	
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying 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
			SPR-3808	1,664	-	-	·			1,664	-
			SPR-3810	29,865	-	-			-	29,865	-
			SPR-3811	175,150	-	-			-	175,150	-
			SPR-3813	67,253	-	-			-	67,253	-
			SPR-3814	39,747	-	-			-	39,747	-

Department of Transportation (continued)

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	-

^{*} denotes major programs

^{***}denotes pass-through agency

			Research and Development Cluster		Student Financial Assistance Cluster*		Off	her	Total		
Grantor	CFDA No.	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
<u> </u>		C.D. Miller, and Miller and Miller	SPR-3861	(2,544)	-	-	oobie alpianis		-	(2,544)	-
			SPR-3863	37,022	-	-			-	37,022	-
			SPR-3864	40,441	36,441	-			-	40,441	36,441
			SPR-3865	142	-	-			-	142	-
			SPR-3866	87,641	-	-			-	87,641	-
			SPR-3900	28,282		-			-	28,282	-
			SPR-3901	23,395		-			-	23,395	-
Departmen	t of Transpor	tation (continued)									
			SPR-3902	14,363	-	-			-	14,363	-
			SPR-3903	26,014	-	-			-	26,014	-
			SPR-3904	96,769	-	-			-	96,769	-
J.			SPR-3905	36,467	-	-			-	36,467	-
-34-			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	-
			SPR-3945	67,603	-	-		-	-	67,603	-

^{*} denotes major programs

^{***}denotes pass-through agency

		Identifyina		Research and Dev	elopment Cluster	Student Financia	I Assistance Cluster*	0	ther	Tota	I
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	Identifying Number	Federal Awards Expended	Expenditures to Subrecipients						
			PR-3946	49,228	-	-		-		49,228	-
		SF	PR-3948	41,942	-	-				41,942	-
		SF	PR-4000	52,404	-	-		-		52,404	-
		SE	PR-4002	19,937						19,937	
			PR-4005	19,733						19,733	
					-	•		-			-
		SF.	PR-4006	78,735	-	-		-	• •	78,735	-
		SF	PR-4007	1,894	-	-		-	-	1,894	-
Department	of Transpor	tation (continued)									
		SP	PR-4009	24,878	-	-		-		24,878	-
		SF	PR-4012	60,596	-	-		-	-	60,596	-
		SF	PR-4015	34,160	-			-		34,160	
1.		SF	PR-4016	21,214	-	-				21,214	-
ပ် ပုံ		SF	PR-4017	23,232	-	-				23,232	-
		SF	PR-4043	250	-	-				250	-
		TP	PF-5(281)	85,529						85,529	
			PF-5(297)	2,322						2,322	
			PF-5258	167,371	-	-				167,371	-
		*** IN Department of Transportation Total		6,936,984	70,911					6,936,984	70,911
		Total CFDA No. 20.200		6,936,984	70,911	-			-	6,936,984	70,911
Hig	ghway Plann	ing and Construction Cluster									
	20.205 H	lighway Planning and Construction									
		Grantor: *** IN Department of Transportation ED	OS A249-15-L150002	-	-	-		- 12,915	-	12,915	-
		Total CFDA No. 20.205		-	-	-		- 12,915	-	12,915	-
		Total Highway Planning and Construction Cluster		-	-	-		- 12,915	-	12,915	-
Hig	ghway Safety	Cluster									
:	20.601 A	lcohol Traffic Safety and Drunk Driving Prevention Incentiv	re Grants								
		Grantor: *** IN Criminal Justice Institute ED	OS D3-15-9087	38,621	-	-		-	-	38,621	-

^{*} denotes major programs

^{***}denotes pass-through agency

				·		Student Financial	I Assistance Cluster*	Ot	her	Tota	ıl
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
Gianioi	NO.	CrbA line/rass-intolgii Giantoi	EDS D3-16-10210	88,556	Subrecipients	Expended	Subrecipieriis	Expended	30brecipieriis	88,556	Subrecipieriis
			ED3 D3-10-10210	00,000						00,330	
		*** IN Criminal Justice Institute Total		127,177	-	-			-	127,177	-
		Total CFDA No. 20.601		127,177	-	-			-	127,177	
		Total Highway Safety Cluster		127,177	-	-			-	127,177	-
•	Total Pass-Th	rough Grantors		7,184,968	70,911	-		- 12,915	-	7,197,883	70,911
	Total Departme	ent of Transportation		11,640,307	1,119,113	-		- 1,265,679	847,520	12,905,986	1,966,633
				-							
	of Congres										
	Direct Programs										
	42.001	Books for the Blind and Physically Handicapped	-	6,257	-	-			-	6,257	
Library	of Congress (co	ontinued)									
	Total Direct Pi	rogram		6,257	-	-			-	6,257	-
	Total Library o	f Congress		6,257	-	-			-	6,257	-
ı	al Aeronaution	es and Space Administration									
ī'	43.000	National Aeronautics & Space Administration	523-2085		-	-			-	-	-
	-	-	NNX10AU95G	2,558	-	-			-	2,558	-
	-	-	NNH13IA01P	-	-	-		- 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	-

^{*} denotes major programs

^{***}denotes pass-through agency

				-		Student Financial	Assistance Cluster*	Off	ier	Tota	ıl
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	Identifying Number	Federal Awards Expended	Expenditures to Subrecipients						
Cramor	43.008	Education	-	14,582	-	-	Jobiecipieriis		360,690	739,546	360,690
=	43.009	Cross Agency Support		367,037	4,951	-		191,835	-	558,872	4,951
-	43.012	Space Technology	-	49,747	-	-		137,541	-	187,288	-
_	Total Direct Pro	ogram		4,128,500	998,723	-		- 1,657,206	360,690	5,785,706	1,359,413
	Pass-Through G	rantors by CFDA									
		lational Aeronautics & Space Administration									
		Grantor: *** Arizona State University	15-704	22,604	-	-		-	-	22,604	-
		Grantor: *** Massachusetts Institute of Technology	5710002785-05	314,601	-	-		-	-	314,601	-
		Grantor: *** Smithsonian Astrophysical Observatory	PF3-140113	-	-	-		- 76,062	-	76,062	-
		Grantor: *** University of Michigan	3002485426	71,390	-	-			-	71,390	-
National	Aeronautics an	d Space Administration (continued)									
		Grantor: *** University of Southern California	Y88279	69,929	-	-			-	69,929	-
		Grantor: *** Wyle Laboratories	T71686	28,175	-	-			-	28,175	-
-37-		Grantor: *** Mosaic Atm Inc	0014107	36,983	-	-			-	36,983	-
7-		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-FY15	8,326	-	-		-	-	8,326	-
		*** Analytical Mechanics Assoc, Inc Total		8,326	-	-		-	-	8,326	-
		Total CFDA No. 43.000		771,058	-	-		76,062	-	847,120	-
	43.001 A	erospace Education Services Program									
		Grantor: *** Arizona State University	16-999	6,575	-	-			-	6,575	-
		Grantor: *** Iowa State University	404-29-05A	96	-	-			-	96	-
		Grantor: *** Rutgers, The State University	SUBAWARD NO. 5173	10,800	-	-		-	-	10,800	-

^{*} denotes major programs

CFDA Grantor No.	CFDA Title/Pass-Through Grantor Grantor: *** University Corp For Atmospheric Research	Identifying Number Z15-13657	Federal Awards Expended	Expenditures to Subrecipients	Federal Awards Expended	Expenditures to Subrecipients	Federal Awards Expended	Expenditures to Subrecipients	Federal Awards	Expenditures to
	Research	Z15-13657				Jubiecipieriis	Expended	subrecipienis	Expended	Subrecipients
			22,414	-	-			-	22,414	-
	Grantor: *** Analytical Mechanics Assoc, Inc	T00163-FY16	23,320	-	-			-	23,320	-
		T00557-FY16	21,850	-	-			-	21,850	-
	*** Analytical Mechanics Assoc, Inc Total		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	-
	*** National Institute of Aerospace Total		81,609	-	-			-	81,609	-
	Total CFDA No. 43.001		166,664	-	-			-	166,664	-
43.002	Technology Transfer									
National Aeronautics a	and Space Administration (continued)									
	Grantor: *** Massachusetts Institute of Technology	5710003954	13,621	-	-			-	13,621	-
	Grantor: *** University of Michigan	3003768338	46,684	-	-				46,684	-
J.	Grantor: *** Univ of Illinois At Champaign- Urbana	2015-01027-02	26,996	-	-			-	26,996	-
ယ် ဇု	Total CFDA No. 43.002		87,301	-	-			-	87,301	-
43.008 E	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-Th	rough Grantors		1,040,716	-	-		- 76,062	-	1,116,778	-
Total National	Aeronautics and Space Administration		5,169,216	998,723	-		- 1,733,268	360,690	6,902,484	1,359,413
National Endowme	ent of the Arts and Humanities									
Direct Programs	s by CFDA									
45.000	National Endowment for the Arts & 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 Pi	rogram		20,658	7,521	-		- 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	-

^{45.161} Promotion of the Humanities_Research

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Dev	elopment Cluster	Student Financia	Il Assistance Cluster*	Oti	ner	Total	al
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	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)	-
To	tal Pass-Th	hrough Grantors		(1,192)		-		- 43,108	-	41,916	-
Tota	tal National	Endowment of the Arts and Humanities		19,466	7,52	-		- 133,919	-	153,385	7,521

National Science Foundation

Direct Programs by CFDA

47.000	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	-	-	-	-	-	187,013	-
47.082	ARRA-Trans-NSF Recovery Act Research Support	-	(1,658)	-	-	-	-	-	(1,658)	-
Total Direct P	rogram		58,291,322	6,613,757	-	-	-	-	58,291,322	6,613,757
=	Grantors by CFDA 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	Faminacuina Cranta									
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	-

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Dev	elopment Cluster	Student Financial	Assistance Cluster*	Of	her	Tota	ıl
C1	CFDA	CERATURA (Russ Thursday Country	Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor *** Rutgers, The State University	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
		Total		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	202468PU	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 Sc	cience Foun	dation (continued)									
		Grantor: *** Brigham And Women's Hospital	108305	215,617					-	215,617	-
		Grantor: *** Anasys Instruments	12110140	28,497					-	28,497	-
-40-		Grantor: *** Animated Dynamics LLC	14065735	2					-	2	-
Υ		Grantor: *** Edison Agrosciences Inc	14110765	75,142		-			-	75,142	-
		Grantor: *** AccuPS LLC	14121101	89,932		-			-	89,932	-
		Grantor: *** Florida International University	800004153-01	4,491		-			-	4,491	-
		Grantor: *** Wepan	1445076-EEC	20,500		-			-	20,500	-
		Grantor: *** Prehensile Technologies LLC	15055475	71,904		-			-	71,904	-
		Grantor: *** Boise State University	6853-A	15,820		-			-	15,820	-
		Grantor: *** VinSense LLC	15121049	12,349		-			-	12,349	-
		Grantor: *** Ento Bio	15120967	41,810		-			-	41,810	-
		Grantor: *** ZeroUI, Inc	15121126	22,216		-			-	22,216	-
		Total CFDA No. 47.041		1,962,368					-	1,962,368	-
	47.049	Mathematical and Physical Sciences									
		Grantor: *** Columbia University	1 (GG006897)	14,493					-	14,493	-
		Grantor: *** Norfolk State University	F1040044	52,773					-	52,773	-

^{*} denotes major programs

Part					Research and Development Cluster		Student Financia	l Assistance Cluster*	C	Other	Tota	ıl
Countr			CEDA Tilla (Base Through Compter									
Part Comment of Controller	Granior	NO.			·	·	•	subrecipients	•			subrecipienis
Contine Cont			Grantor: *** Princeton University	00002018	578,454		-		-		578,454	-
Part			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	-
Granter: "Virginal Tach 4780019894 4780019894 27.667 27.667 27.667 27.667 27.667 27.667 27.667 27.667 27.667 27.667 27.668 27.667 27.668 27.667 27.668 27.				201899PU	5,203				-		5,203	-
National Soletine Formation Continue Maissage Statio University of Nederlanks Lincoln 27,887 27,887 25,897 25,997			*** University of Notre Dame Total		16,261				-		16,261	-
National Science Foundation (continued) Science Foundation (co			Grantor: *** Virginia Tech	478902-19084	98,719				-		98,719	-
			Grantor: *** Mississippi State University	031900.362651.01	27,687				-		27,687	-
1	National Scie	ence Found	lation (continued)									
Part			Grantor: *** University of Nebraska-Lincoln	25-0509-0083-002	52,344				-		52,344	-
Total				25-0521-0178-007	20,338				-		20,338	-
Astronomy Neocascular Neocascu	4				72,682				-		72,682	-
Fill	1			N60023C-L	151,659				-		151,659	-
47.050 Geosciences Grantor: "**University of Illinois NTP-2015-05856-01 164,613 - 164			Grantor: *** Univ. of North Carolina At Chapel Hill	5101809	24,247				-		24,247	-
Grantor: "** University of Southern California 60836897 24,595			Total CFDA No. 47.049		1,400,511				-		1,400,511	-
Grantor: "** University of Southern California 60836897 24,595	4	47.050 C	Geosciences									
Grantor: "** Univ of Illinois At Champaign- Urbana 2013-04254-05 159,751 - 159,751 - 159,751 - 159,751 - 159,751 - 159,751 - 14,416 - 14,416 - 15,4			Grantor: *** University of Illinois	NTP-2015-05856-01	164,613				-		164,613	-
Urbana 2013-04294-05 193,751 - - - 193,751 - - 193,751 - - 193,751 - - 193,751 - - 193,751 - - 193,751 - - 14,416 - - - - 14,416 - - - - 14,416 - - - - 14,416 - - - - - 14,416 - - - - - - - 14,416 - - - - - - - - -			Grantor: *** University of Southern California	60836897	24,595				-		24,595	-
Total CFDA No. 47.050 363,375 363,375 47.070 Computer and Information Science and Engineering Grantor: "* Michigan State University of Illinois At Chicago 2016-02752-01-00-DT 34,032 34,032 52,915				2013-04254-05	159,751				-		159,751	-
47.070 Computer and Information Science and Engineering Grantor: "' Michigan State University RC104385PUR 140,101 140,101 - Grantor: "' University of Illinois At Chicago 2016-02752-01-00-DT 34,032 34,032 - Grantor: "' University of Maryland 17286-Z4314001 52,915 52,915 -			Grantor: *** Consortium for Ocean Leadership	BA-107(T341A107)	14,416				-		14,416	-
Grantor: *** Michigan State University RC104385PUR 140,101 - - - - - 140,101 - Grantor: *** University of Illinois At Chicago 2016-02752-01-00-DT 34,032 - - - - - 34,032 - Grantor: *** University of Maryland 17286-Z4314001 52,915 - - - - - 52,915 -			Total CFDA No. 47.050		363,375				-		363,375	-
Grantor: *** University of Illinois At Chicago 2016-02752-01-00-DT 34,032 - - - - - 34,032 - Grantor: *** University of Maryland 17286-Z4314001 52,915 - - - - - 52,915 -	4	47.070 C	Computer and Information Science and Engineering									
Grantor: *** University of Maryland 17286-Z4314001 52,915 52,915 -				RC104385PUR	140,101				<u>- </u>		140,101	-
			Grantor: *** University of Illinois At Chicago	2016-02752-01-00-DT	34,032				-		34,032	-
Grantor: *** University of Notre Dame 202369 33,547 33,547 -			Grantor: *** University of Maryland	17286-Z4314001	52,915				-		52,915	-
			Grantor: *** University of Notre Dame	202369	33,547				-		33,547	-

^{*} denotes major programs

				Research and Development Cluster		Student Financial	Assistance Cluster*	Oti	ner	Tota	ıl
Committee	CFDA	CEDA Tilla (Bass Through Country	Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor Grantor: *** University of Denver	Number SC37237-01-00	Expended 16,022	Subrecipients	Expended -	Subrecipients	Expended -	Subrecipients -	Expended 16,022	Subrecipients -
		Total CFDA No. 47.070		276,617						276,617	-
	47.074	Biological Sciences									
		Grantor: *** Indiana University	IU4881712PU	4,574					-	4,574	-
		Grantor: *** Michigan State University	61-2568PU	69,197					-	69,197	-
			RC104982PU	247,602					-	247,602	-
			RC105234PU	39,545					-	39,545	-
		*** Michigan State University Total		356,344					-	356,344	-
		Grantor: *** North Carolina State University	2012-0901-05	5,701					-	5,701	-
National S	Science Fou	ndation (continued)									
			2014-2564-01	208,219					-	208,219	-
		*** North Carolina State University Total		213,920					-	213,920	-
-42-		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	-
		Grantor: *** Univ. of North Carolina At Chape Hill	^{el} 5-37441	795					-	795	-

					Student Financial	Assistance Cluster*	O	ther	Tota	al l
CFDA Grantor No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
	Total CFDA No. 47.075		136,959	-	-		-		136,959	-
47.076	Education and Human Resources									
	Grantor: *** Arizona State University	16-809	5,123	-	-		-	-	5,123	-
	Grantor: *** Norfolk State University	NTP-F2040005	56,897	-	-		-		56,897	-
	Grantor: *** University of Minnesota	A003014102	329,931	-	-		-		329,931	-
	Grantor: *** Utah State University	11059403	(634)	-	-		-		(634)	-
	Grantor: *** University of Pittsburgh	0048046 (011774-1)	7,680	-	-		-		7,680	-
	Grantor: *** Black Hills State University	BHSU-PURDUE BP1200005	81,092	-	-		-		81,092	-
National Science Fo	oundation (continued)									
	Grantor: *** Sinclair Community College	1454	30,823	-	-		-		30,823	-
	Grantor: *** College of William And Mary	714483	97,862	-	-		-		97,862	-
- 43-	Grantor: *** Automotive Mf Technical Education	KCT-PS-633 & KCT-PS-677	76,495	-	-		-		76,495	-
	Grantor: *** Kennesaw State University	150167-03	6,289	-	-		-		6,289	-
	Grantor: *** Concord Inc	277-01.01	35,541	-	-		-		35,541	-
	Total CFDA No. 47.076		727,099	-	-		-		727,099	-
47.078	Polar Programs									
	Grantor: *** University of Colorado	1549864	11,162	-	-		-		11,162	-
	Total CFDA No. 47.078		11,162	-	-		-		11,162	-
47.079	International Science and Engineering (OISE)									
	Grantor: *** Michigan Technical University	1110090Z4	49,747	-	-		-		49,747	-
	Total CFDA No. 47.079		49,747	-	-		-		49,747	-
47.080	Office of Cyberinfrastructure									
	Grantor: *** Univ of Illinois At Champaign- Urbana	2011-00318-15	709,008	131,220	-		-		709,008	131,220
	Grantor: *** Univ. of North Carolina At Chape	5-37365	67,723	-	-		-		67,723	-
	Total CFDA No. 47.080		776,731	131,220	-		-		776,731	131,220
Total Pass	s-Through Grantors		7,482,800	131,220	-		-		7,482,800	131,220
Total Natio	onal Science Foundation		65,774,122	6,744,977	-		-		65,774,122	6,744,977

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and De	velopment Cluster	Student Financia	al Assistance Cluster*	Oti	her	Total	al
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
Small Bu	usiness Adı	ministration									
P	ass-Through G	Grantors by CFDA									
	59.037	Small Business Development Center									
		Grantor: *** IN Economic Development Corporation	EDS A69-15-SBDC-1003	-				- 76,061	-	76,061	-
			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 Bus	siness Admini	stration (continued)									
		*** IN Small Business Development Cent. Total		-				- 5,421	-	5,421	-
		Grantor: *** Office of Small Business & Entrshp	EDS A69-16-SBDC-2006	-				- 71,034	-	71,034	-
44-			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	-
		*** Office of Small Business & Entrshp Total		-				- 382,560	-	382,560	-
		Total CFDA No. 59.037		-				- 655,463	-	655,463	-
7	Total Pass-Thr	ough Grantors		-		-		- 655,463	-	655,463	-
T	otal Small Bus	siness Administration		-				- 655,463	-	655,463	-
Environ	mental Prot	ection Agency									
	irect Programs										
	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	-

^{*} denotes major programs

				Research and Development Cluster		Student Financial	Assistance Cluster*	Oth	er	Tota	ıl
Grantor	CFDA	CEDA Titla (Base Through Crantor	Identifying	Federal Awards	Expenditures to Subrecipients	Federal Awards	Expenditures to	Federal Awards	Expenditures to Subrecipients	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended 280,622	subrecipients -	Expended -	Subrecipients	- 672,635	subrecipients -	Expended 953,257	Subrecipients
7	Total Direct F	Program		200,022				- 072,035		955,257	
P	ass-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	-
		*** Pegasus Technical Services Inc Total		77,981	-	-		-	-	77,981	
		Total CFDA No. 66.000		89,308	-	-			-	89,308	-
	66.460	Nonpoint Source Implementation Grants									_
		Grantor: *** IN Department of Environmental Mgmt	EDS A305-2-72	-	-	-		- (9)	-	(9)	
Environm	ental Protect	tion Agency (continued)									
			EDS A305-5-194	-	-	-		- 10,337	-	10,337	-
		*** IN Department of Environmental									
7		Mgmt Total		-	-	-		- 10,328	-	10,328	
45-		Grantor: *** Northwestern IN Regional Planning Cmsn	16012459	1,984	-	-			-	1,984	-
			HUC-0404000105	3,834	-	-			-	3,834	-
		*** Northwestern IN Regional Planning Cmsn Total		5,818	-	-			-	5,818	-
		Grantor: *** Wabash River Enhancement Corp	o 306-2-6	-	-	-			-	-	-
		Total CFDA No. 66.460		5,818	-	-		- 10,328	-	16,146	-
	66.509	Science To Achieve Results (STAR) Research Program	ı								
		Grantor: *** Clemson University	1778-218-2008962	44,807	-	-		-	-	44,807	-
		Grantor: *** Arizona State University East	14-499	463	-	-			-	463	-
		Total CFDA No. 66.509		45,270	-	-			-	45,270	-
	66.708	Pollution Prevention Grants Program									
		Grantor: *** IN Department of Environmental Mgmt	A305-5-186	-	-	-		- 23,604	-	23,604	
		Total CFDA No. 66.708		-	-	-		- 23,604	-	23,604	<u>-</u>
7	Total Pass-Th	nrough Grantors		140,396	-	-		- 33,932	-	174,328	
Т	otal Environi	mental Protection Agency		421,018	-	-		- 706,567	-	1,127,585	<u> </u>

Nuclear Regulatory Commission

^{*} denotes major programs

^{***}denotes pass-through agency

			Research and Dev	elopment Cluster	Student Financial	Assistance Cluster*	Off	ner	Toto	ıl
CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
or No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
Direct Programs	by CFDA									
77.000	Nuclear Regulatory Commission	NRC-HQ-84-14-G-0048	186,938						186,938	
77.000	Nuclear fregulatory Commission	NRC-HQ-60-14-T-0001	318,324	318,324					318,324	318,324
-		NRC-HQ-60-15-T-0001	122,184	85,163	-			-		85,163
	T-1-1 OFDA N- 77 000									
	Total CFDA No.77.000		627,446	403,487	-		-	-	627,446	403,487
77.008	Nuclear Regulatory Commission Scholarship & Fellowship Program	-	40,086		-		- 218,045	-	258,131	-
77.009	U.S. Nuclear Regulatory Commission Ofc of Research Financial Assistance Program	-	76,331	-	-			-	76,331	-
Total Direct Pro	ogram		743,863	403,487	-		- 218,045	-	961,908	403,487
Total Nuclear R	egulatory Commission	-	743,863	403,487	-		- 218,045	-	961,908	403,487
tment of Ener	av.	-								
Direct Programs										
81.000	U.S. Department of Energy	147703	34,312						34,312	
81.000	0.3. Department of Energy	7005923	337,234	21,693	-			-		21,693
-		2F-30581	1,401	21,000				-		21,000
		21 00001	1,401						1,401	
ment of Energy (continued)									
		00126624	71,403	42,331	-			-	71,403	42,331
		1271073	-	-	-		- 8,626	-		
		00126849	108,366				-	-	100,000	-
		220539	(141)	-	-		-	-	(141)	
		229207	142,709	-			- (1.337)	-	,	
		13065953 XEJ-3-23225-01	278,070	-	-		- (1,337)	-	(1,337) 278,070	
		SC-13-393	671,268	<u> </u>			<u> </u>			
		1407408	9,645				-		9,645	
-		SC-10-334	374,600							
-		1224374	-		-		- 847	-	847	
		267603	(30)						(30)	
-		616078	144,468		-			-		
		3F-32781		-	-		- 2,391	-	2,391	-
		4000131240	7,966		-				7,966	
		4000132567	(392)	-	-			-	(392)	
		3F-30441	2,266	-	-			-	2,266	
		XAT-4-42228-01	1,982	-	-			-	1,982	-
		1483113	68,783	-	-			-	,	-
		618066	1,376	-	-			-	1,376	
		4F-32042	122,023	-	-		-	-		
		PURCHASE ORDER 104741	-	-	-		- 166,327	-	166,327	-
		B610623	31,754	-	-			-	31,754	-
		1510347	100,594	-	-			-		-
		00151419 246727	169,231 53,232	-	-			-	169,231 53,232	
		246727 619730	53,232 45,816	-	-			-	53,232 45,816	
		106913	109,955	-	-			-	109,955	-
-		B611147	40,507							
-		4000136253	86,868					-	86,868	
		B612004	22,524	-	-		<u> </u>		22,524	
		5F-30781	50,213	-	-					
		XGN-5-52147-01	58,436		-				58,436	-
		5F-31382	120,846						120,846	
		331098	49,292		-			-		
		DE-SC0014281	59,217		-			-	59,217	-
			,							

										_=.	
	CFDA		Identifying	Research and Dev	Expenditures to	Student Financia Federal Awards	I Assistance Cluster* Expenditures to	Federal Awards	Expenditures to	Total Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
			B614105	141,992	-	-				141,992	
-			4000139905	17,992	-	-				17,992	
_			0159250	84,970	-	-			-	84,970	
_			0159461	83,776	-	-			-	83,776	
			B615461	40,517	-	-				40,517	
			0164223	18,323	-	-				18,323	
			1638662	6,949	-	-				6,949	
_			1641675	55,242	-	-				55,242	
			16011798	4,079	-	-				4,079	
			B616105	996	-	-				996	
			1641665	41,122	-	-				41,122	
			1643429	5,006	-	-				5,006	
			ZEJ-6-62142-01	60,929	-	-				60,929	
			115108	36,959	-	-				36,959	
			1650851	53,804	-	-				53,804	
			XEU-6-62534-01	20,072	-	-				20,072	
			PO4300230758	7,978	-	-				7,978	
_			1631337	43,565	-	-				43,565	
			20.079	32,919	-	-				32,919	
			16044777	1,649	-	-				1,649	
_	81.000	ARRA - U.S. Department of Energy	B610962	(1,046)	-	-				(1,046)	
Departme	ent of Energy ((continued)									
_		Total CFDA No.81.000		4,133,587	64,024	-	-	176,854	-	4,310,441	64,
_	81.049	Office of Science Financial Assistance Program	-	8,589,028	366,930	-			-	8,589,028	366
_	81.049	ARRA - Office of Science Financial Assistance Program	-	6,051	-	-				6,051	
_	81.057	University Coal Research	-	124,628	61,042	-				124,628	61
_	81.086	Conservation Research and Development	-	287,360	-	-				287,360	
	81.087	Renewable Energy Research and Development	-	673,374	194,394	-				673,374	194
_	81.089	Fossil Energy Research and Development	-	584,985	177,475	-				584,985	177
_	81.117	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Trai	-	312,192	-	-		67,097	-	379,289	
_	81.121	Nuclear Energy Research, Development and Demonstration	-	1,777,857	238,913	-		47,204	-	1,825,061	238
	81.124	Predictive Science Academic Alliance Program	-	368,226	-	-				368,226	
_	81.135	Advanced Research and Projects Agency – Energy Financial Assistance Program	-	813,900	112,566	-				813,900	112
_	Total Direct Pr	rogram		17,671,188	1,215,344	-		- 291,155	-	17,962,343	1,215
F	Pass-Through G	Grantors by CFDA									
,		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	<u></u>

^{*} denotes major programs

^{***}denotes pass-through agency

	CFDA			Research and Dev	elopment Cluster			Oti	her	Toto	li
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
		Grantor: *** BlackPak Inc	DE-AR0000462	208,010	-		·		-	208,010	-
		Grantor: *** Spero Energy Inc	15055457	43,956	-	-			-	43,956	-
			16098764	9,957	-	_			-	9,957	
		*** Spero Energy Inc Total		53,913	-					53,913	
		Grantor: *** Eaton	0011-40378	34,098	-					34,098	
		Total CFDA No. 81.000		736,020	-	-			-	736,020	
	81.049	Office of Science Financial Assistance Program									
		Grantor: *** Smithsonian Astrophysical Observatory	SV1-71004	2,668	-	-			-	2,668	-
		Grantor: *** Texas A&M University	C0251	115,857	-	-			-	115,857	-
		Grantor: *** University of Illinois At Chicago	2010-06036-00-00-DT	303	-	-			-	303	-
Departm	nent of Energ	y (continued)									
		, (
		Grantor: *** University of Oregon	234320B	83,749	-	-			-	83,749	-
- 48-		Grantor: *** Washington University	WU-HT-12-35	12,231	-	-		-	-	12,231	-
T		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	-
											_

^{*} denotes major programs

				Research and Dev	elopment Cluster	Student Financi	al Assistance Cluster*	Off	ner	Tota	ıl
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
Granior	NO.	Grantor: *** Mercurius Biorefining	13032921	18,824	subrecipients	Expended	subrecipienis	Expended	Subrecipients	18,824	subrecipienis
			13032321	10,024						10,024	
		Grantor: *** Midwest Renewable Energy Assoc	15011152	-	-	-		- 72,189	-	72,189	-
		Total CFDA No. 81.087		267,221				- 72,189		339,410	-
	81.105	National Industrial Competitiveness through Energy, En	nvironment, and Economics								
		Grantor: *** Siemens Power Generation Inc	650059519	1,173	-			-		1,173	-
		Total CFDA No. 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 Demonstr	ation								
		Grantor: *** Oregon State University	G0137A-A	159,454	-				-	159,454	-
		Total CFDA No. 81.121		159,454	-	-			-	159,454	-
Departn	nent of Energ	y (continued)									
	81.135	Advanced Research and Projects Agency – Energy Fin	ancial Assistance Program								
1		Grantor: *** Georgia Tech	RD691-G3	39,592	-	-		-	-	39,592	-
.49-		Total CFDA No. 81.135		39,592	-				-	39,592	-
	Total Pass-1	Through Grantors		4,430,464	62,000) -		- 76,216	-	4,506,680	62,000
	Total Departi	ment of Energy		22,101,652	1,277,344			- 367,371	-	22,469,023	1,277,344
-	ment of Ed										
	Direct Prograi										
	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 Loar 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 Gra Program	nt _	-	-	-		- 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 Studer Loans	nt -		-	214,855,541			-	214,855,541	-
	84.305	Education Research, Development and Dissemination	-	877,092	128,403	-			-	877,092	128,403

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Deve	elopment Cluster	Student Financia	l Assistance Cluster*	Oti	her	Tota	ıl
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor Special Education - Personnel Development to	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
_	84.325	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	-
7	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	-
1	Total Direct I	Program		1,780,108	134,653	278,316,210		- 3,016,669	7,193	283,112,987	141,846
P	Pass-Through	Grantors by CFDA									
	84.048	Vocational Education_Basic Grants to States									
	01.010	Grantor: *** IN Dept of Workforce									
		Development	14446	-	-	-		- 92,005	-	92,005	-
			EDS C1-5-PPS-4-59	-	-	-		- 13,556	-	13,556	-
		*** IN Dept of Workforce Development Total		-	-	-		- 105,561	-	105,561	-
Departme	ent of Educat	ion (continued)									
		Total CFDA No. 84.048		-	-	-		- 105,561	_	105,561	
ī O	84.116	Fund for the Improvement of Postsecondary Education									
		Grantor: *** Endicott College	16055911	54	-	-			-	54	-
		Total CFDA No. 84.116		54	-	-			-	54	-
	84.305	Education Research, Development and Dissemination									
		Grantor: *** Oregon State University	ED161A-B	37,336	-	-			-	37,336	-
		Grantor: *** University of Wisconsin-Madison	482K775	169,229	•	-			-	169,229	-
		Grantor: *** University of Denver	SC37327-01-00	18,791	-	-			-	18,791	-
		Total CFDA No. 84.305		225,356	-	-			-	225,356	-
	84.366	Mathematics and Science Partnerships									
		Grantor: *** IN Department of Education	EDS A58-5-15CI-2279	36,942	-	-			-	36,942	-
		Total CFDA No. 84.366		36,942	-	-			-	36,942	-
	84.367	Improving Teacher Quality State Grants									
		Grantor: *** IN Commission for Higher Education	EDS J22-14-C0293	89,820	-	-			-	89,820	-
			EDS J-22-14-C0294		-	-		- 231,345	-	231,345	-
			EDS J22-16-C0450	134,841	-	-			-	134,841	-

^{*} denotes major programs

				Research and Dev	relopment Cluster	Student Financia	l Assistance Cluster*	Off	ner	Total	i
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
			J22-15-C0355	-	-	-		- 200,144	-	200,144	-
		*** IN Commission for Higher Education Total		224,661	-	-		- 431,489	-	656,150	-
		Grantor: *** National Writing Project	03-IN06-SEED2012	-		-		- 9,851	-	9,851	-
			96-IN04-SEED2012			-		- 1,894	-	1,894	-
			96-IN04-SEED2016-ILI			-		- 8,147	-	8,147	-
		*** National Writing Project Total		-		-		- 19,892	-	19,892	-
		Total CFDA No. 84.367		224,661	-	-		451,381	-	676,042	-
	84.378	College Access Challenge Grant Program									
		Grantor: *** IN Commission for Higher Education	EDS J22-15-C0380	148,206		-			-	148,206	-
		Total CFDA No. 84.378		148,206	-	-			-	148,206	-
	84.407	Transition Programs for Students with Intellectual Dis	sabilities into Higher Educ								
		Grantor: *** Indiana University	BL-4243004-PU			-		- 31,997	-	31,997	-
		Total CFDA No. 84.407		-	-	-		31,997	-	31,997	-
ם Departmen	nt of Educa	ation (continued)									
_	otal Pass-1	Through Grantors		635,219	-	-		- 588,939	-	1,224,158	-
То	tal Departi	ment of Education		2,415,327	134,653	278,316,210		- 3,605,608	7,193	284,337,145	141,846

Department of Health and Human Services

Agency for Healthcare Research and Quality

Direct Programs by CFDA

Health Cent	er 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-Througi	h Grantors by CFDA									
93.217	Family Planning_Services									
	Grantor: *** Indiana Family Health Council, Inc.	TITLE X	-	-	-	-	260,142	-	260,142	-
	Total CFDA No. 93.217		-	-	-	-	260,142	-	260,142	-
93.226	Research on Healthcare Costs, Quality and Outcomes									
	Grantor: *** Indiana University	IN4688385PU	31,012	-	-	-	-	-	31,012	-
	Grantor: *** Northwestern University	60039471PU	-	-	-	-	352,751	_	352,751	-

^{*} denotes major programs

^{***}denotes pass-through agency

			Research and Dev	elopment Cluster	Student Financial	Assistance Cluster*	Oth	er	Tota	ı
CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
r No.	CFDA Title/Pass-Through Grantor	Number NTP 14121866	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
	Total CFDA No. 93.226	NTP 14121000	31,012		-		- 75,599 - 428,350	· ·	75,599 459,362	
	Total Of DA No. 35.220		31,012				420,000		409,302	
93.332	Coop.Agmt.to Support Navigators in Federally-facilitate	ed & State Partnerships								
	Grantor: *** Indiana Family Health Council, Inc.	LSFHC NAVIGATOR	-	-	-		- 9,251	-	9,251	
	Total CFDA No. 93.332			_	_		9,251		9,251	
TANF Cluste									-,	
93.558	Temporary Assistance for Needy Families Grantor: *** Indiana Family Health Council,									
	Inc.	TANF	-	-	-		- 21,269	-	21,269	
	Total CFDA No. 93.558		-	-	-		- 21,269	-	21,269	
	Total TANF Cluster		-	-	-	-	21,269	-	21,269	
Total Pass-1	Through Grantors		31,012	-	-		- 719,012	-	750,024	
Total Agence	y for Healthcare Research and Quality	•	992,161	228,343	-		- 2,296,403	-	3,288,564	228,3
	-	•								
nter for Disea	ase Control									
Direct Progra	ams by CFDA									
93.262	Occupational Safety and Health Program	-	331,927	18,000	-		- 35,644	-	367,571	18,
ment of Health	h and Human Services (continued)									
Total Direct	t Program	•	331,927	18,000	-		- 35,644	-	367,571	18,0
		•								
Pass-Througi	h Grantors by CFDA									
93.136	Injury Prevention and Control Research and State and									
	Grantor: *** IN State Department of Health	CONTRACT 15261 EDS A70-4-009030	-	-	-		- 38,383 - (30)	-	38,383	
		EDS A70-5-009032	-				- 70,331		70,331	
	*** IN State Department of Health	EDO 717 0 0 000002		-	_		- 108,684		108,684	
	Total CFDA No. 93.136								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	
	Grantor: *** Univ of Cincinnati-Edu & Research Ctr	07569-009	(2,161)	-	-			-	(2,161)	
	Total CFDA No. 93.262		15,969	-	-			-	15,969	
93.758	Preventive Health & Health Services Block Grant fund	ed solely with PPH Funds								
	Grantor: *** IN State Department of Health	·	-	-	-		- 14,257	-	14,257	
	Total CFDA No. 93.758		_	-	-		- 14,257	-	14,257	
02.045		and Cantral					· · · · · · · · · · · · · · · · · · ·			
93.945	Assistance Programs for Chronic Disease Prevention									
	Grantor: *** IN State Department of Health	EDS 13886	<u> </u>	<u> </u>			- 10,000	-	10,000	
		EDS000000000000013384					- 2,335	_	2,335	
		EDS000000000000000013384							2 335	

^{*} denotes major programs

^{***}denotes pass-through agency

CEDA				Research and Dev	elopment Cluster	Student Financial	Assistance Cluster*	Off	ner	Total		
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients							
Gianioi	NO.	*** IN State Department of Health Total	Number	- Expended	- Subrecipients	- Expended	sobjeciplenis	- 12,335	- Subrecipients	12,335	- Subrecipients	
		Total CFDA No. 93.945		-	-	-		- 12,335	-	12,335		
	Total Base Ti	hrough Grantors		15,969	-	-		- 135,276		151,245		
		or Disease Control		347,896	18,000	_		- 170,920	-	518,816	18,000	
				·	<u> </u>			<u> </u>		<u> </u>	<u> </u>	
Cente	ers for Medi	care and Medicaid Services										
1	Pass-Through	Grantors by CFDA										
	93.000	U.S. Department of Health & Human Services										
		Grantor: *** Indiana Hospital Association	HHSM-500-2012-00017C		-	-		- (390)	-	(390)		
		Grantor: *** Oregon Assoc of Hosp Hith 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 Hospitalia										
		Grantor: *** Indiana University	1ECMS331082-02-00 IN4688382PU	4	-	-		- 40,497	-	40,497	<u> </u>	
			N93730	-	-	-		- 19,344	-		-	
		*** Indiana University Total		4	-	-		- 59,841	-	59,845	-	
		Total CFDA No. 93.621		4	-	-		- 59,841	-	59,845	-	
ပ်ၢ ယ Departm	ent of Health	and Human Services (continued) Grantor: *** Indiana University	IN4380800PU					- 565,576		565,576		
			11443000001 0									
-		Total CFDA No. 93.638		-	-	-		- 565,576	-	565,576		
	Medicaid Clu	ster										
	93.778	Medical Assistance Program										
		Grantor: *** IN Family & Social Services 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-Ti	hrough Grantors		24,881	-	-		- 1,800,622	-	1,825,503	-	
;	Total Centers	for Medicare and Medicaid Services		24,881	-	-		- 1,800,622	-	1,825,503	-	
-		double to the total										
	Direct Program	dministration as by CFDA										
5	93.000	U.S. Department of Health & Human Services	HHSF223201310233C	78,917	8,368	-			-	78,917	8,368	
			14IPA	-	-	-		- 8,185	-	8,185	-	
			HHSF223201400059C		-	-		- 805	-	805	-	
			HHSF223201410373A	-	-	-		- 96,110	-	96,110	-	
			15055431		-	-		- 30,000	-	30,000	-	

^{*} denotes major programs

^{***}denotes pass-through agency

Grantor M	FDA		Research and Development Cluster			Assistance Cluster*		ner	Tota	
Grantor N	IDA	Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
	No. CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
	Total CFDA No.93.000		78,917	8,368	-	-	135,100	-	214,017	8,368
93.103	Food and Drug Administration_Research	-	627,177	-	-		- 50,443	-	677,620	-
Total D	Direct Program		706,094	8,368	-		- 185,543	-	891,637	8,368
Pass-TI	hrough Grantors by CFDA									
93.0										
	Grantor: *** Natnl Inst for Phrmctcl Tech & 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	-
93.1	03 Food and Drug Administration_Research									
93.1	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 &	NIPTE-U01-PU-2014-002	52,578	-	-			-	52,578	
	Educ	NIPTE-U01-PU-2015-001	42,823	_	-			-	42,823	
		NIPTE-U01-PU-2016-001	7,703	-	-					
		NIPTE-UO1-PU-2014-003	30,712	-	-			-	30,712	
	*** Natnl Inst for Phrmctcl Tech & Educ Total		133,816	-	-			-	133,816	-
	Total CFDA No. 93.103		332,341	-	_		- 24,872	_	357,213	
	Grantor: *** Nutrabiotix LLC	14076928	245,916	-	-			-	245,916	
	Total CFDA No. 93.847		245,916	-	-			-	245,916	-
Total F	Pass-Through Grantors		665,743	-	-		- 24,872	-	690,615	
Total Fo	ood and Drug Administration		1,371,837	8,368	-		- 210,415	-	1,582,252	8,368
Netteralia	stitute of Health									
	Programs by CFDA									
93.000	U.S. Department of Health & Human Services	D13PX00154	102,548	-	-			-	102,548	-
		IP15120879 103818	-	-	-		- 3,005 - 7,942	-	3,005 7,942	-
		BECK	-	-	-		- 7,942 - 16,298	-	16,298	-
-	Total CFDA No.93.000		102,548	-	-	-		-	129,793	-
93.113	Biological Response to Environmental Health	-	880,023	47,426	-				880,023	47,426
93.121	Hazards Oral Diseases and Disorders Research		49,284	.,,.20	_			_	49,284	.,,420
	Pagarah Palatad to Danfages and Communication			150.070	-		200.004	-		150.070
93.173	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		-	895,931	57,403	-			-	895,931	57,403
	Alcohol Research Programs	-	261,375	-	-		- 24,563	-	285,938	-
93.273										
	Drug Abuse and Addiction Research Programs	-	312,716	-	-			-	312,716	-

^{*} denotes major programs

			Research and Dev	elopment Cluster	Student Financia	l Assistance Cluster*	0	ther	Toto	ıl
CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
ntor No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
93.310	Trans-NIH Research Support		56,996	-	-			-	56,996	-
93.342	LOAN/LOAN GUARANTEE - Health Professions	_	_	_	328,972				328,972	
30.042	Student Loans, Including Primary Care Loa				020,372				020,372	
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
	Arthritis, Musculoskeletal and Skin Diseases									
93.846	Research	-	1,166,109	100,045	-			-	1,166,109	100,045
00.047			1 540 040	17.404			015 400	,	1 050 405	17.404
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	_	1,102,532	44,018	_				1,102,532	44,018
00.000	Neurosciences and Neurological Disorders		1,102,002	71,010					7,702,002	,,,,,,
93.855	Allergy, Immunology and Transplantation 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	130,330					915,095	130,330
93.879	Medical Library Assistance	-	115,451	30,079	-		- (12	') -	115,439	30,079
Total Direct	t Program		30,339,006	2,927,289	328,972		- 905,780	18,000	31,573,758	2,945,289
Pass-Throug	gh 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: *** Science Applications Intnl	12XS406	-		-		- 37,012	-	37,012	
	Grantor: *** Akina, Inc. Business &	14055488	9,101		_				9,101	
	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: Harvard School of Public Health	112150-5077626	62,094		-		<u> </u>	-	62,094	-
	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 Resea	arch 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 Dis	orders								
33.173	nessaron nerated to beariess and communication bis	UIUUIS								
	Grantor: *** Vanderbilt University	VUMC 37572	33,421	-	-		-		33,421	-
	Total CFDA No. 93.173		33,421		_				33,421	
			,						,	

^{*} denotes major programs

^{***}denotes pass-through agency

				Research and Dev	elopment Cluster	Student Financia	ıl Assistance Cluster*	Oi	her	Toto	1
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
	93.242	Mental Health Research Grants									
	30.242	Grantor: *** Indiana University	IN4676720PU	32,704						32,704	_
		Grantor: *** University of Minnesota	A003698601	5,892						5,892	
		Grantor: *** University of California - Santa	KK1518	92,085						92,085	
		Barbara	KKISIO	92,065		-			-	92,065	
		Total CFDA No. 93.242		130,681		-			-	130,681	-
	93.273	Alcohol Research Programs									
		Grantor: *** Georgia State University	SP00010913-01	241,842	-				-	241,842	-
		Grantor: *** Indiana University	BL-4631222-PU	15,444		-			-	15,444	-
		Grantor: *** IN Univ Purdue Univ at	IN4687108PU	19,453					_	19,453	_
		Indianapolis Total CFDA No. 93.273		276,739						276.739	
		10tal Cl DA NO. 93.273		270,739						270,739	
	93.279	Drug Abuse and Addiction Research Programs									
		Grantor: *** Indiana University	IN4693500PU	47,732	-	-			-	47,732	<u> </u>
		Grantor: *** University of Kentucky	3210000031-16-012	52,972	-	-		-	-	52,972	-
		Grantor: *** University of Kentucky Research Fdn	3049025512-15-014	557	-				-	557	-
		ran	3049025516-15-032	(1,426)						(1,426)	
		*** University of Kentucky Research									
		Fdn Total		(869)	-	-			-	(869)	-
		Total CFDA No. 93.279		99,835	-				-	99,835	-
	93.286	Discovery and Applied Research for Technological Inno	ovations to Improve Human He								
Departme	ent of Health	n and Human Services (continued)									
56-		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									
			FY2014-063	(1.004)						(1.004)	
		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 Medicine	CTSI COST SHARE 106533	3,762				- 829		4,591	
		Grantor: *** IN Univ Purdue Univ at				·					<u>-</u>
		Indianapolis	IN4610360PU	777,098	-	-			-	777,098	-
			IN4680860PU	7,078	-	-				7,078	<u> </u>
			IN4680863PU	-	-			- 4,092		4,092	-
			IN4680883PU	-				- 44,145			-
			NTP-CTSI	68,760	-	-		-	-	68,760	
		*** IN Univ Purdue Univ at Indianapolis Total		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	<u> </u>
		Grantor: *** University of Minnesota	H004548301	78,203	-			-		-,	
		Grantor: *** University of Pennsylvania	568408	7,726	-			-		7,720	-
		Grantor: *** Vibronix Inc	15098346	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	

			Research and Dev	elopment Cluster	Student Financia	l Assistance Cluster*	O	ther	Tota	ıl
CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
ntor No.	CFDA Title/Pass-Through Grantor Grantor: *** On Target Laboratories LLC	Number 14109075	Expended 43,819	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended 43,819	Subrecipients
		14109075		<u> </u>	<u> </u>		-	-		
	Total CFDA No. 93.395		162,737				-		162,737	
93.396	Cancer Biology Research									
	Grantor: *** University of Wisconsin-Madison	538K252	83,611						83,611	
	One start Start Olikiy He state Medical Heisenside	. 4400000/ANNADD 707570	17.110						17.110	
	Grantor: *** SUNY Upstate Medical Universit	/ 1129866/AWARD /3/5/8	17,446	·	-			-	17,446	
	Total CFDA No. 93.396		101,057	-				-	101,057	
93.398	Cancer Research Manpower									
	Grantor: *** Case Western Reserve University	y RES509812	73,916						73,916	
	Total CFDA No. 93.398		73,916						73,916	
	Total Of DA No. 95.596		70,910						73,910	
93.837	Heart and Vascular Diseases Research									
	Grantor: *** Mount Sinai School of Medicine	0255-8171-4609	16,096				-	-	16,096	
		0255-8172-4609	8,918						8,918	
	*** Mount Sinai School of Medicine		25,014				_	_	25,014	
	Total									
	Grantor: *** University of Chicago Grantor: *** IU School of Medicine	FP056317-D IUPUI4685946PURDUE	97,386 6,171	-					97,386 6,171	
	Grantor: **** IN Univ Purdue Univ at	IN4688149PURDUE	(6,301)						(6,301)	
	Indianapolis	11440001431 ONDOL	(0,501)		-				(0,301)	
partment of Hea	Ith and Human Services (continued)									
•										
	Grantor: *** California Medical Innovations	15043964	49,622	-	-			-	49,622	
	Total CFDA No. 93.837		171,892	-	-			-	171,892	
93.846	Arthritis, Musculoskeletal and Skin Diseases Research									
	Grantor: *** Nanovis Incorporated	13055484	33,943		-		-	-	33,943	
	Grantor: *** University of Louisville Grantor: *** Jackson Laboratory, The	OGMB101493-PURDUE 5R01AR049288-11	1,842 141,791	-					1,042	
	Grantor: *** Virginia Commonwealth Universi	y P1109260-SC107146	49,656		-		-	-	49,656	
	Total CFDA No. 93.846		227,232	-	-			-	227,232	
93.847	Diabetes, Endocrinology and Metabolism Research									
	Grantor: *** Indiana University	IN-4683691-PU	(18)				-	-	(18)	
	Grantor: *** Tufts University	HH4013	181				-		101	
	Grantor: *** IU School of Medicine	IN4689905PU	9,201	-	-		-		9,201	
	Grantor: *** IN Univ Purdue Univ at Indianapolis	IN4685579PU	82,757				-	-	82,757	
	Grantor: *** Symic OA Co	15065614	37,364		-		-	-	37,364	
	Total CFDA No. 93.847		129,485		-		-	-	129,485	
93.853	Extramural Research Programs in the Neurosciences a	nd Neurological Disorders								
30.000	Grantor: *** Columbia University	1 (ACCT 5-37351)	(41,352)	-			-	-	(41,352)	
		2(GG010373)	32,379	-	-		-	-		
	*** Columbia University Total		(8,973)	-				_	(8,973)	
	Grantor: *** Stanford University	61022832-114054	20,480						20,480	
	Grantor: *** Yale University	M16A12419 (A10551)	7,278						7,278	
	- Land Similary	NTP-15109418	76,787							
	*** Yale University Total		104,545					_	104,545	
				-						
	Grantor: *** Jackson Laboratory, The	TBI	47,729		-		-		47,729	
	Grantor: *** John B Pierce Laboratory	220-04	51,526				-	-	51,526	

^{*} denotes major programs

				Research and Dev	elopment Cluster	Student Financia	l Assistance Cluster*	Ot	her	Tota	1
	CFDA		Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients	Expended	Subrecipients
		Total CFDA No. 93.853		194,827	-	-	-	-	-	194,827	-
	93.855	Allergy, Immunology and Transplantation Research									
		Grantor: *** Indiana University	IN4689685PU	34,644	-	-	-	-	-	34,644	-
		Grantor: *** Texas A&M Research Foundation	23-S132310	24,970	-	-	-	-	-	24,970	-
			23-S142305	42,413				-	-	42,413	-
		*** Texas A&M Research Foundation Total	1	67,383		-			-	67,383	-
		Grantor: *** University of Notre Dame	HHSN272200900039C	(28,592)	-	-	-	-	-	(28,592)	-
		Grantor: *** Vanderbilt University	VUMC 53180	217,676	-	-		-	-	217,676	-
		Grantor: *** Washington University	WU-14-38	270,182	-			-	-	270,182	-
		Grantor: *** Wadsworth Center Health Res Inc	c 4198-01	162,726	-	-	-	-	-	162,726	-
		Grantor: *** Loyola University Chicago	202300/205524	4,085	-	-		-	-	4,085	-
			206944	243,558	-			-	-	243,558	-
		*** Loyola University Chicago Total		247,643	-		-	-		247,643	-
		Grantor: *** University of Rochester	416848-G	19,629	-	-		-	-	19,629	-
		Grantor: *** University of Colorado Denver	FY16.526.001	3,487	-	-	-	-	-	3,487	-
		Total CFDA No. 93.855		994,778	-	-	-	-	-	994,778	-

93.859 Biomedical Research and Research Training

Department of Health and Human Services (continued)

Grantor: *** 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	202564PU	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
Grantor: *** Tymora Analytical Operations, LC	13098408	82,342	-	-	-	-	-	82,342
	1R43GM105063-01	20	-	-		-	-	20
*** Tymora Analytical Operations, LC Total		82,362	-	-	-	-	-	82,362
Grantor: *** Li-Cor Biosciences	14065776	66,553	-	÷	-	-	-	66,553
Total CFDA No. 93.859		784,002	-	-	-	-	-	784,002
d Health and Human Development Extramural Rese	earch							
Grantor: *** Yale University	M13A11537 (A09028)	50,415	-	-	-	-	-	50,415
Total CFDA No. 93.865		50,415	-	-	-	÷	-	50,415
ng 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

^{*} denotes major programs

93.865

93.866

^{***}denotes pass-through agency

				Research and Dev	elopment Cluster	Student Financia	Assistance Cluster*	Oth	er	Tota	ıl
Comptes	CFDA	CEDA Tilla (Basa Thraugh Crantas	Identifying	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Grantor	No.	CFDA Title/Pass-Through Grantor	Number	Expended 4,974,356	Subrecipients -	Expended -	Subrecipients	- 86,078	Subrecipients	Expended 5,060,434	Subrecipients
	Total Pass-T	hrough Grantors		•							
7	Total Nationa	l Institute of Health		35,313,362	2,927,289	328,972		- 991,858	18,000	36,634,192	2,945,289
Healt	h Resource	es and Services Administration									
E	Direct Program	ns by CFDA									
g	93.265	Comprehensive Geriatric Education Program(CGEP)		-	-	•		- 48,509	÷	48,509	-
g	93.342	Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students		-	-	6,168		-	-	6,168	-
g	93.358	Advanced Education Nursing Traineeships	-	-	-	-		- 304,850	-	304,850	<u>-</u>
	Total Direct	Program		-	-	6,168		- 353,359	-	359,527	-
F	Pass-Through	Grantors by CFDA									
	93.107	Model State-Supported Area Health Education Centers									
		Grantor: *** Indiana University	U77HP23066-05-02	32,737	-	-			-	32,737	
			U77HP23068-04-00	49,426	11,990	-			-	49,426	11,990
		*** Indiana University Total		82,163	11,990	-			-	82,163	11,990
Departme	ent of Health	and Human Services (continued)									
<u>.</u>		Total CFDA No. 93.107		82,163	11,990	-			-	82,163	11,990
70-	93.241	State Rural Hospital Flexibility Program									
		Grantor: *** IN State Office of Rural Health	14227	-	-	-		- 85,719	-	85,719	<u> </u>
		Total CFDA No. 93.241		-	-	-		- 85,719	-	85,719	
	93.359	Nurse Education, Practice and Retention Grants									
		Grantor: *** Community Health Network	14087124	45,556	-	-			-	45,556	-
		Total CFDA No. 93.359		45,556	-	-			-	45,556	-
	93.912	Rural Health Care Services Outreach and Rural Health N	letwork Development Program								
		Grantor: *** ASPIN	15098384	17,045	-	-		-	-	17,045	-
		Grantor: *** Boone County Community Ctr	13076508	1,526	-	-		-	-	1,526	-
		Total CFDA No. 93.912		18,571	-	-			-	18,571	-
	Total Pass-T	hrough Grantors		146,290	11,990	-		- 85,719	-	232,009	11,990
7	Total Health I	Resources and Services Administration		146,290	11,990	6,168		- 439,078	-	591,536	11,990
	of the Sec										
		ARRA - Health Information Technology Regional									
g	93.718	Extension Centers Program		-	-			- 23,385	•	23,385	-
	Total Direct	Program		-	-	-		- 23,385	-	23,385	<u>-</u>
7	Total Office o	f the Secretary		-	-	-		- 23,385	-	23,385	-

^{*} denotes major programs

				Research and Dev	elopment Cluster	Student Financial	Assistance Cluster*	Off	ner	Tota	al
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
0.0		C.D. Miller, and Miller and Miller		- Inperiod	cobrealpianis	ZAPONOG	oosi oo ajaaniis	zxponacu	oosi oo ipidiiis	zxponaca	oobi oo ipidiiis
		And Mental Health Services Administration									
D	irect Programs										
9.	3.243	Substance Abuse and Mental Health Services_Projects of Regional and National Sig	-		-	-		- 56,959	-	56,959	-
1	Total Direct Pi	rogram			-	-		- 56,959	-	56,959	
T	otal Substanc	ce Abuse And Mental Health Services Administration			-	-		- 56,959	-	56,959	
7	Total Depart	ment of Health and Human Services Direct Pro	grams	32,338,176	3,182,000	335,140		- 3,138,061	18,000	35,811,377	3,200,000
7	Total Depart	ment of Health and Human Services Pass-Thro	ough Grantors	5,858,251	11,990	-		- 2,851,579		8,709,830	11,990
1	Total Depart	ment of Health and Human Services		38,196,427	3,193,990	335,140		- 5,989,640	18,000	44,521,207	3,211,990
Departm	ent of Hom	neland Security									
D	irect Programs	s 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)	-
Departme	ent of Homela	nd 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	-
7	Total Direct Pi	rogram		2,893,101	1,352,389	-		- 17,476	-	2,910,577	1,352,389
P	ass-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	

				Research and Dev	elopment Cluster	Student Financia	I Assistance Cluster*	Oi	ther	Toto	1
Granto	CFDA r No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
Granio	NO.	Total CFDA No. 97.061	Nomber	455,035	- Subrecipieriis	- Expended	Sobrecipienis		·	455,035	- Sobrecipients
	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-Th	nrough Grantors		890,072	-	-			-	890,072	-
	Total Departm	ent of Homeland Security		3,783,173	1,352,389	-		- 17,476	-	3,800,649	1,352,389
Agend	y for Interna	tional Development									
	Direct Program	s by CFDA									
	98.000	Agency for International Development	AID-OAA-L-14-00003 15055402		-	-		- 1,074,562 - 5,442		1,074,562 5,442	234,569
		Total CFDA No.98.000	13033402					- 1,080,004	234,569	1,080,004	234,569
	98.012	USAID Development Partnerships for University	_	_				- 352,253		352,253	121,088
	Total Direct P	Cooperation and Development		-				- 1,432,257	•	1,432,257	355,657
		_							<u> </u>	<u> </u>	
Agenc	y on Internation	al Development (continued)									
۲	Pass-Through	Grantors by CFDA									
61-		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 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	-	-	-		- 250,170	65,514	250,170	65,514

^{*} denotes major programs

				Research and Dev	elopment Cluster	Student Financia	I Assistance Cluster*	Off	ner	Toto	ıl
Grantor	CFDA No.	CFDA Title/Pass-Through Grantor	ldentifying Number	Federal Awards Expended	Expenditures to Subrecipients						
		*** Kansas State University Total		-	-	-			77,916	705,473	77,916
		Grantor: *** Michigan State University	RC 100599		-	-		- 9,800	-	9,800	-
			RC102095	35,107	-	-			-	35,107	-
		*** Michigan State University Total		35,107	-	-		9,800	-	44,907	-
		Grantor: *** Oregon State University	RD011G-D		-	-		- 221,466	146,888	221,466	146,888
		Grantor: *** Tufts University	AID-OAA-L-10-00005					- 21,825		21,825	
			AID-OAA-L-10-00006					- 93,641	-	93,641	
		*** Tufts University Total			-	-		- 115,466	-	115,466	
		Grantor: *** Virginia Tech	451242-19084	-	-	-		- 41,962	-	41,962	-
		Grantor: *** Winrock International	6544-13-01	-	-	-		- 352,335	-	352,335	-
Agency	on Internation	al Development (continued)									
		Total CFDA No. 98.001		35,107	-	-		1,446,502	224,804	1,481,609	224,804
-62-	98.012	USAID Development Partnerships for University Coope	eration and Development								
•		Grantor: *** University of California - Davis	201500789-03		-	-		946,346	-	946,346	-
		Grantor: *** Family Health International	4576-01-PURDUE-01	-	-	-		- 901,452	-	901,452	-
		Total CFDA No. 98.012		-	-	-		1,847,798	-	1,847,798	-
	Total Pass-Th	nrough Grantors		74,947	-	-		- 3,549,097	269,804	3,624,044	269,804
	Total Agency	for International Development		74,947	-	-		- 4,981,354	625,461	5,056,301	625,461
Central	Intelligence	y Agency									
	Direct Program	ns by CFDA									
_	99.000	Central Intelligence Agency	2013-13083000010	188,964	11,433	-		<u> </u>	-	188,964	11,433
	Total Direct F	Program		188,964	11,433	-		-	-	188,964	11,433
	Pass-Through	Grantors by CFDA									
	99.000	Central Intelligence Agency									
		Grantor: *** Omnis Inc	OMNIS-CIRT-03	55,365	-	-			-	55,365	-
		Total CFDA No. 99.000		55,365	-	-			-	55,365	-
	Total Pass-Th	nrough Grantors		55,365	-	-			-	55,365	-
	Total Central I	Intelligency Agency		244,329	11,433	-			-	244,329	11,433

^{*} denotes major programs

CFDA Grantor No. CFDA Title/Pass-Through Grantor Vietnam Education Foundation Direct Programs by CFDA	Identifying Number	Federal Awards Expended	Expenditures to Subrecipients	Federal Awards Expended	Expenditures to Subrecipients	Federal Awards	Expenditures to	Federal Awards	Expenditures to
Vietnam Education Foundation	Number	Expended	30brecipieriis	Lxpended		Expended	Subrecipients	Expended	Subrecipients
					30D/eCipieriis	Expended	Subrecipierns	Expended	30brecipieriis
Direct Programs by CFDA									
99.000 Department of Veteran's Affairs	-	384,230	-	-		- 286,346	29,983	670,576	29,983
Total Direct Program		384,230	-	-		- 286,346	29,983	670,576	29,983
Total Vietnam Education Foundation		384,230	-	-		- 286,346	29,983	670,576	29,983
United States International Trade Commission									
Direct Programs by CFDA									
99.000 U.S. International Trade Commission	-	-	-	-		- 42,299	-	42,299	-
Total Direct Program			-	-		- 42,299	-	42,299	-
Total United States International Trade Commission		-	-	-		- 42,299	-	42,299	
United States Coast Guard									
Direct Programs by CFDA									
99.000 US Coast Guard	-	20,173	-	-			-	20,173	-
United States Coast Guard (continued)									
Total Direct Program		20,173	-	-			-	20,173	
Total United States Coast Guard		20,173	-	-			-	20,173	-
Summary of Direct Programs		166,535,192	20,668,255	278,651,350		- 32,274,649	3,707,668	477,461,191	24,375,923
Summary of Pass-Through Grantors		44,594,451	869,478	-		- 19,282,608	1,165,865	63,877,059	2,035,343
Summary of Total Federal Awards		211,129,643	21,537,733	278,651,350		- 51,557,257	4,873,533	541,338,250	26,411,266

^{*} denotes major programs

^{***}denotes pass-through agency

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	<u>(511,824)</u>
Balance, June 30, 2016	\$ <u>19,378,918</u>

Amounts loaned to students are recorded as notes receivable. Gross student notes receivable outstanding as of June 30, 2016 were:

<u>Program Title</u>	Federal CFDA Number	<u>Amount</u>
Federal Perkins Loan Progran	n 84.038	\$ 26,242,168
Health Professions Student Lo	ans 93.342	<u>2,456,180</u>
Total Student Notes Receivab	le	\$ <u>28,698,348</u>

Note 4. Federal Direct Loan Program

The University participates in the Federal Direct Loan Program, which facilitates direct borrowing for students and parents from the Federal Government. During the fiscal year ended June 30, 2016, the University had the following activity related to new loans under this program:

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

PURDUE UNIVERSITY 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? no

Significant deficiencies identified? none reported

Noncompliance material to financial statements noted? no

Federal Awards:

Internal control over major programs:

Material weaknesses identified?

Significant deficiencies identified? none reported

Any audit findings disclosed that are required to be reported in accordance with 2 CFR 200.516(a)?

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

CFDA Number	Name of Federal Program or Cluster	Opinion Issued
10.500	Student Financial Assistance Cluster Cooperative Extension Service TRIO Cluster	Unmodified Unmodified Unmodified

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/ .	