

# STATE OF NORTH CAROLINA

OFFICE OF THE STATE AUDITOR

BETH A. WOOD, CPA



## STATE OF NORTH CAROLINA

### SINGLE AUDIT REPORT

FOR THE YEAR ENDED JUNE 30, 2018



**NCOSA**  
The Taxpayers' Watchdog



# STATE OF NORTH CAROLINA

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## SINGLE AUDIT REPORT

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**OFFICE OF THE STATE AUDITOR**  
***BETH A. WOOD, CPA***  
***STATE AUDITOR***



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# North Carolina Office of the State Auditor

## Our Mission and Our Commitment

The Office of the State Auditor protects the interests of taxpayers and others who provide financial resources to the State of North Carolina. Specifically, we provide objective information to interested parties about whether economic resources are properly accounted for, reported and managed; as well as whether publically-funded programs are achieving desired results.

The Office of the State Auditor's mission is accomplished by conducting thorough audits and investigations. These audits and investigations are performed by highly competent and professional staff and result in useful and practical recommendations to improve services provided by North Carolina state government.

This office will always strive for the highest standards in professional conduct, independence and integrity as we pursue our mission. If we find financial management deficiencies, we will report them without apology because our ultimate responsibility is to the citizens and taxpayers of North Carolina.

A handwritten signature in black ink, reading "Beth A. Wood". The signature is written in a cursive, flowing style.

Beth A. Wood, CPA  
State Auditor







**Beth A. Wood, CPA**  
State Auditor

STATE OF NORTH CAROLINA

## Office of the State Auditor

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## AUDITOR'S TRANSMITTAL

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The Honorable Roy Cooper, Governor  
Members of the North Carolina General Assembly

We are pleased to submit the *Single Audit Report* for the State of North Carolina for the fiscal year ended June 30, 2018. We conducted our audit in accordance with the 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).

This *Single Audit Report* reflects federal awards of \$20.77 billion. This report includes significant deficiencies and material weaknesses in internal control relating to major federal programs and instances of noncompliance, including several that we believe constitute material noncompliance, that meet the criteria of the Uniform Guidance.

The North Carolina *Comprehensive Annual Financial Report* for the fiscal year ended June 30, 2018, has been issued in a separate report by the Office of the State Controller. In accordance with *Government Auditing Standards*, we are issuing our report on our consideration of the State of North Carolina's internal control over financial reporting and our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements that have an effect on the financial statements.

The deficiencies in internal control and instances of noncompliance arising from our audit that are required to be reported by *Government Auditing Standards* or the Uniform Guidance are described in the Schedule of Findings and Questioned Costs.

We wish to acknowledge the assistance of the North Carolina Office of the State Controller and the cooperation of other state agencies, community colleges, and universities in the preparation of this report.

Respectfully submitted,

A handwritten signature in cursive script that reads "Beth A. Wood".

Beth A. Wood, CPA

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## **AUDITOR'S SECTION**

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**Beth A. Wood, CPA**  
State Auditor

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**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***

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The Honorable Roy Cooper, Governor  
The General Assembly of North Carolina

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 governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the State of North Carolina, as of and for the year ended June 30, 2018, and the related notes to the financial statements, which collectively comprise the State's basic financial statements (not presented herein), and have issued our report thereon dated December 5, 2018.

Our report includes a reference to other auditors who audited the financial statements of the North Carolina State Lottery Fund, the North Carolina Turnpike Authority, the North Carolina Housing Finance Agency, the State Education Assistance Authority, the University of North Carolina System – University of North Carolina Health Care System – Rex Healthcare, the Supplemental Retirement Income Plan of North Carolina, the North Carolina Public Employee Deferred Compensation Plan, the North Carolina Department of State Treasurer Investment Programs, and the cash basis claims and benefits of the North Carolina State Health Plan, as described in our report on the State's financial statements. 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 State of North Carolina'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 basic financial statements, but not for the purpose of expressing an opinion on the effectiveness of the State's internal control. Accordingly, we do not express an opinion on the effectiveness of the State's internal control.

A deficiency in internal control exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A material weakness is a deficiency, or a combination of deficiencies, in internal control such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A significant deficiency is a deficiency, or a

combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

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

### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the State of North Carolina'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 result of that testing, and not to provide an opinion on the effectiveness of the entity'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 State of North Carolina's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.



Beth A. Wood, CPA  
State Auditor

Raleigh, North Carolina

December 5, 2018



STATE OF NORTH CAROLINA

## Office of the State Auditor

Beth A. Wood, CPA  
State Auditor

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### INDEPENDENT AUDITOR'S REPORT ON COMPLIANCE FOR EACH MAJOR FEDERAL PROGRAM; REPORT ON INTERNAL CONTROL OVER COMPLIANCE; AND REPORT ON SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS REQUIRED BY UNIFORM GUIDANCE

---

The Honorable Roy Cooper, Governor  
The General Assembly of North Carolina

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

We have audited the State of North Carolina's compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the State of North Carolina's major federal programs for the year ended June 30, 2018. The State of North Carolina's major federal programs are identified in Section I, Summary of Auditor's Results, in the accompanying Schedule of Findings and Questioned Costs.

The State of North Carolina's financial reporting entity includes the operations of the State Education Assistance Authority, the North Carolina Housing Finance Agency and the Economic Development Partnership of North Carolina, Inc. These agencies reported \$1.47 billion, \$269.9 million and \$999 thousand, respectively, in federal awards which are not included in the Schedule of Expenditures of Federal Awards during the year ended June 30, 2018. Our audit, described below, did not include the operations of the State Education Assistance Authority, the North Carolina Housing Finance Agency or the Economic Development Partnership of North Carolina, Inc. because these agencies engaged other auditors to perform an audit in accordance with the Uniform Guidance.

#### ***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 State of North Carolina'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 State of North Carolina'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 qualified and unmodified opinions on compliance for each major federal program. However, our audit does not provide a legal determination of the State of North Carolina's compliance.

### ***Basis for Qualified Opinion on Certain Major Federal Programs***

As described in Section III, Federal Award Findings and Questioned Costs, in the accompanying Schedule of Findings and Questioned Costs, the State of North Carolina did not comply with several compliance requirements that are applicable to several of its major federal programs, as follows:

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2018-006	Subrecipient Monitoring	16.575	Crime Victim Assistance
2018-007	Reporting	20.106	Airport Improvement Program
2018-008	Subrecipient Monitoring	20.106	Airport Improvement Program
2018-009	Subrecipient Monitoring	20.106	Airport Improvement Program
2018-015	Special Tests and Provisions	84.063	Federal Pell Grant Program
2018-016	Special Tests and Provisions	84.063	Federal Pell Grant Program
2018-017	Special Tests and Provisions	84.063	Federal Pell Grant Program
2018-020	Special Tests and Provisions	84.268	Federal Direct Student Loans
2018-028	Eligibility	93.778	Medical Assistance Program

Compliance with such requirements is necessary, in our opinion, for the State of North Carolina to comply with the requirements applicable to those programs.

### ***Qualified Opinion on Certain Major Programs***

In our opinion, except for the noncompliance described in the Basis for Qualified Opinion paragraph above, the State of North Carolina complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on those programs listed above for the year ended June 30, 2018.

### ***Unmodified Opinion of Each of the Other Major Federal Programs***

In our opinion, the State of North Carolina 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 other major federal programs identified in Section I, Summary of Auditor's Results, in the accompanying Schedule of Findings and Questioned Costs for the year ended June 30, 2018.



**Other Matters**

The results of our auditing procedures disclosed other instances of noncompliance which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying Schedule of Findings and Questioned Costs as items:

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2018-010	Period of Performance	20.205	Highway Planning and Construction
2018-022	Period of Performance	84.365	English Language Acquisition State Grants
2018-025	Activities Allowed or Unallowed; Allowable Costs/ Cost Principles; Eligibility	93.778	Medical Assistance Program

Our opinion on each major federal program is not modified with respect to these matters.

The State of North Carolina's responses to the noncompliance findings identified in our audit are described in Section III, Federal Award Findings and Questioned Costs, of the accompanying Schedule of Findings and Questioned Costs. The State of North Carolina's responses were not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the responses.

**Report on Internal Control Over Compliance**

Management of the State of North Carolina 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 State of North Carolina'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 an 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 State of North Carolina's internal control over compliance.

Our consideration of internal control over compliance was for the limited purpose described in the preceding paragraph and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as discussed below, we identified certain deficiencies in internal control over compliance that we consider to be material weaknesses and significant deficiencies.

*A deficiency in internal control over compliance* exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or 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. We consider the deficiencies in internal control over compliance described in

Section III, Federal Award Findings and Questioned Costs, of the accompanying Schedule of Findings and Questioned Costs as the items below to be material weaknesses:

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2018-006	Subrecipient Monitoring	16.575	Crime Victim Assistance
2018-007	Reporting	20.106	Airport Improvement Program
2018-008	Subrecipient Monitoring	20.106	Airport Improvement Program
2018-009	Subrecipient Monitoring	20.106	Airport Improvement Program
2018-015	Special Tests and Provisions	84.063	Federal Pell Grant Program
2018-016	Special Tests and Provisions	84.063	Federal Pell Grant Program
2018-017	Special Tests and Provisions	84.063	Federal Pell Grant Program
2018-020	Special Tests and Provisions	84.268	Federal Direct Student Loans
2018-028	Eligibility	93.778	Medical Assistance Program

A *significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance. We consider the deficiencies in internal control over compliance described in Section III, Federal Award Findings and Questioned Costs, of the accompanying Schedule of Findings and Questioned Costs as the items below to be significant deficiencies:

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2018-001	Subrecipient Monitoring	10.553	School Breakfast Program
2018-002	Subrecipient Monitoring	10.555	National School Lunch Program
2018-003	Subrecipient Monitoring	10.556	Special Milk Program for Children
2018-004	Subrecipient Monitoring	10.559	Summer Food Service Program for Children
2018-005	Subrecipient Monitoring	14.228	Community Development Block Grants/ State's Program and Non-Entitlement Grants in Hawaii
2018-010	Period of Performance	20.205	Highway Planning and Construction
2018-011	Special Tests and Provisions	20.205	Highway Planning and Construction
2018-012	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants
2018-013	Special Tests and Provisions	84.007	Federal Supplemental Educational Opportunity Grants
2018-014	Procurements and Suspension and Debarment	84.031	Higher Education – Institutional Aid
2018-018	Special Tests and Provisions	84.063	Federal Pell Grant Program
2018-019	Special Tests and Provisions	84.063	Federal Pell Grant Program

Finding Number	Type of Compliance Requirement	CFDA	Major Federal Program
2018-021	Special Tests and Provisions	84.268	Federal Direct Student Loans
2018-022	Period of Performance	84.365	English Language Acquisition State Grants
2018-023	Reporting	93.568	Low-Income Home Energy Assistance
2018-024	Subrecipient Monitoring	93.575	Child Care and Development Fund Block Grant
2018-025	Activities Allowed or Unallowed; Allowable Costs/ Cost Principles; Eligibility	93.778	Medical Assistance Program
2018-026	Allowable Costs/Cost Principles; Eligibility	93.778	Medical Assistance Program
2018-027	Allowable Costs/Cost Principles; Eligibility	93.778	Medical Assistance Program

The State of North Carolina's responses to the internal control over compliance findings identified in our audit are described in Section III, Federal Award Findings and Questioned Costs, of the accompanying Schedule of Findings and Questioned Costs. The State of North Carolina's responses were not subjected to the auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the responses.

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.

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

We have audited the financial statements of the governmental activities, the business-type activities, the aggregate discretely presented component units, each major fund, and the aggregate remaining fund information of the State of North Carolina as of and for the year ended June 30, 2018, and the related notes to the financial statements, which collectively comprise the State of North Carolina's basic financial statements (not presented herein). We issued our report thereon dated December 5, 2018, which contained unmodified opinions on those financial statements. Our report includes a reference to other auditors.

As discussed in Note 2 to the financial statements, during the year ended June 30, 2018, the State adopted new accounting guidance, Governmental Accounting Standards Board Statement No. 75, *Accounting and Financial Reporting for Postemployment Benefits Other Than Pensions*, as amended by Governmental Accounting Standards Board Statement No. 85, *Omnibus 2017*. Our opinion is not modified with respect to this matter.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Other auditors audited the financial statements of the North Carolina State Lottery Fund, the North Carolina Turnpike Authority, the North Carolina Housing Finance Agency, the State Education Assistance Authority, the University of North Carolina System – University of North Carolina Health Care System – Rex Healthcare, the Supplemental Retirement Income Plan of North Carolina, the North

Carolina Public Employee Deferred Compensation Plan, the North Carolina Department of State Treasurer Investment Programs, and the cash basis claims and benefits of the North Carolina State Health Plan, as described in our report on the State's financial statements.

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



Beth A. Wood, CPA  
State Auditor

Raleigh, North Carolina

March 19, 2019 (except as related to the Report on  
The Schedule of Expenditures of Federal Awards,  
As to which is dated December 5, 2018)

**SCHEDULE OF FINDINGS AND QUESTIONED COSTS**

For the Fiscal Year Ended June 30, 2018

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• 10.556 Special Milk Program for Children .....	24
• 10.559 Summer Food Service Program for Children.....	25
• 14.228 Community Development Block Grants/States Program and Non-Entitlement Grants in Hawaii.....	26
• 16.575 Crime Victim Assistance .....	29
• 20.106 Airport Improvement Program.....	32
• 20.205 Highway Planning and Construction.....	37
• 84.007 Federal Supplemental Educational Opportunity Grants .....	41
• 84.031 Higher Education – Institutional Aid .....	45
• 84.063 Federal Pell Grant Program .....	47
• 84.268 Federal Direct Student Loans .....	52
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**SCHEDULE OF FINDINGS AND QUESTIONED COSTS****I. Summary of Auditor's Results**For the Fiscal Year Ended June 30, 2018

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Financial Statements

- |  |            |
|--|------------|
| – Type of auditor's report issued?   | Unmodified |
| – Internal control over financial reporting:   |            |
| • Material weaknesses identified?  | No         |
| • Significant deficiencies identified that are not considered to be material weaknesses? | No         |
| – Noncompliance material to financial statements noted?                                  | No         |

Federal Awards

- |   |   |
|---|---|
| – Internal control over major programs:   |   |
| • Material weaknesses identified?   | Yes   |
| • Significant deficiencies identified that are not considered to be material weaknesses?                                      | Yes   |
| • Type of auditor's report issued on compliance for major programs?   | Unmodified for all Major Programs except for Crime Victim Assistance; Airport Improvement Program; Federal Pell Grant Program; Federal Direct Student Loans and the Medical Assistance Program which are qualified. |
| – Any audit findings disclosed that are required to be reported in accordance with section § 200.516 of the Uniform Guidance? | Yes   |
| – Identification of major programs:   |   |

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Name of Federal Program or Cluster

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AGEC	Aging Cluster
CCDF	CCDF Cluster
CHNC	Child Nutrition Cluster
HPCC	Highway Planning and Construction Cluster

**SCHEDULE OF FINDINGS AND QUESTIONED COSTS****I. Summary of Auditor's Results**For the Fiscal Year Ended June 30, 2018

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CFDA Number	Name of Federal Program or Cluster
MEDC	Medicaid Cluster
SFAC	Student Financial Assistance Programs Cluster
10.557	Special Supplemental Nutrition Program for Women, Infants, and Children
10.558	Child and Adult Care Food Program
14.228	Community Development Block Grants/State's Program and Non-Entitlement Grants in Hawaii
16.575	Crime Victim Assistance
20.106	Airport Improvement Program
20.319	High-Speed Rail Corridors and Intercity Passenger Rail Service – Capital Assistance Grants
84.002	Adult Education - Basic Grants to States
84.031	Higher Education - Institutional Aid
84.181	Special Education - Grant for Infants and Families
84.365	English Language Acquisition State Grants
93.563	Child Support Enforcement
93.568	Low-Income Home Energy Assistance
93.569	Community Services Block Grant

- Dollar threshold used to distinguish between type A and type B programs? \$31,161,528
- Auditee qualified as low-risk auditee? No



## **SCHEDULE OF FINDINGS AND QUESTIONED COSTS**

### **II. Financial Statement Findings**

For the Fiscal Year Ended June 30, 2018

Type of Finding	Findings and Recommendations
No reportable findings and recommendations resulted from our audit of the basic financial statements of the State of North Carolina.	

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## SCHEDULE OF FINDINGS AND QUESTIONED COSTS

### III. Federal Award Findings and Questioned Costs

For the Fiscal Year Ended June 30, 2018

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The following findings, recommendations, and questioned costs are the results of the single audit of the State of North Carolina for the fiscal year ended June 30, 2018. Each finding is referenced with a four-digit number representing the fiscal year audited and a sequential number. The findings are presented by federal program and are classified according to federal and state department, type of compliance requirement, category of internal control weakness, and category of noncompliance. Findings included in this section are related to major programs.

#### Category of Internal Control Weakness

If the finding represents a weakness in internal control over compliance, one of the following designations will appear:

- **Significant Deficiency** – A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.
- **Material Weakness** – 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.

#### Category of Noncompliance Findings

If the finding represents an instance of noncompliance, one of the following designations will appear:

- **Material Noncompliance** – A finding related to a major federal program which discusses conditions representing noncompliance with federal laws, regulations, contracts, or grants, the effects of which have a material effect in relation to a type of compliance requirement or an audit objective identified in the Uniform Guidance.
- **Questioned Cost Finding** – A finding which discusses known or likely questioned costs that are greater than \$25,000 for a type of compliance requirement, unless the conditions giving rise to the questioned costs are otherwise reported as a material noncompliance finding.

**10.553 SCHOOL BREAKFAST PROGRAM****III. Federal Award Findings and Questioned Costs**

U.S. Department of Agriculture

N.C. Department of Public Instruction

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-001	Subrecipient <u>Monitoring:</u>  Significant Deficiency	<p><u>Inadequate Subrecipient Monitoring</u></p> <p>The Department did not timely obtain subrecipients<sup>1</sup> audit reports, review for problems, and communicate expected corrective actions to subrecipients of the Child Nutrition Cluster (Cluster). During the audit period, the Department passed \$524.5 million to these subrecipients.</p> <p>Auditors reviewed the monitoring process for all 44 subrecipients that were both required to have an audit in accordance with the Uniform Guidance<sup>2</sup> and had audit findings. There were 12 reports that had findings specifically related to the Cluster.<sup>3</sup> The Department did not issue timely management decisions<sup>4</sup> for four of the subrecipients that had findings related to the Cluster. Management decisions in these instances were two to 43 days past the six-month deadline.</p> <p>Additionally, the audit report of a non-profit organization which received \$997,218 from the Department was not reviewed nor was a management decision issued regarding an audit finding pertaining to the Cluster.</p> <p>Lack of timely monitoring increased the risk that federal funds would not be used in accordance with the federal requirements. For example, audit reports that lacked evidence of timely communication of corrective action reported deficiencies such as:</p> <ul style="list-style-type: none"> <li>• Noncompliance with Child Nutrition eligibility requirements.</li> <li>• Untimely filing of required financial reports.</li> </ul> <p>According to the Department, management oversight focused on subrecipients deemed critical and delayed oversight of the full subrecipient audit resolution process. Additionally, management did not correct deficiencies in the process including:</p>

<sup>1</sup> Subrecipients are local public school districts, non-profits, and other organizations that use Child Nutrition Cluster funds to administer School Breakfast, National School Lunch, Special Milk, and/or Summer Food Service programs.

<sup>2</sup> 2 CFR section 200.331(f) & 2 CFR section 200.501.

<sup>3</sup> The other 32 reports contained findings related to financial reporting or other grant programs.

<sup>4</sup> 2 CFR section 200.521(a) – Management decisions must clearly state whether or not the finding is sustained, the reasons for the decision, and the expected auditee actions (i.e., repay disallowed costs, make financial adjustments, or take other actions).

**10.553 SCHOOL BREAKFAST PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Agriculture

N.C. Department of Public Instruction

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<ul style="list-style-type: none"> <li>• Measurement of the due dates for the Department's decisions on audit findings by the Federal Audit Clearinghouse dates.<sup>5</sup></li> <li>• Omission of non-profit organizations that met the audit requirement threshold.</li> </ul> <p>Federal regulations<sup>6</sup> require the Department to monitor the activities of its subrecipients by reviewing audit reports. Specifically, the Department is required to:</p> <ul style="list-style-type: none"> <li>• Review financial and programmatic reports.</li> <li>• Follow-up to ensure that the subrecipient takes timely and appropriate action on all deficiencies pertaining to the federal awards.</li> <li>• Issue management decisions<sup>7</sup> for audit findings that relate to federal awards it makes to subrecipients within six months of acceptance of the audit report by the Federal Audit Clearinghouse.</li> </ul> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Agriculture; CFDA Numbers (title): 10.553, 10.555, 10.556, 10.559 (Child Nutrition Cluster); Federal Award Numbers (award periods): 201818N109945 (fiscal year ending September 30, 2017) and 201717N109945 (fiscal year ending September 30, 2018).</p> <p><i>Recommendation:</i> Department management should provide increased and timely oversight of the audit resolution process, and should modify existing procedures to include consideration of nonprofit organizations and the Federal Audit Clearinghouse report receipt dates.</p> <p><i>Agency Response:</i> The Department of Public Instruction (DPI) concurs with the Auditor's finding and recommendation related to nonprofit organizations and the Federal Audit Clearinghouse (FAC) report receipt dates. DPI did obtain, review and verify implementation of corrective action for the four Local Education Agencies; however, the management decision letters were issued using a timeline initiated by the date the audit was provided from the Local Government Commission (LGC) pursuant to GS 159 and GS 115C, instead of the FAC acceptance date. This difference resulted in issuance of the</p>

<sup>5</sup> The Federal Audit Clearinghouse is a public database of completed audits for distribution to federal agencies and support of audit requirement oversight.

<sup>6</sup> 2 CFR section 200.331(d)

<sup>7</sup> 2 CFR section 200.521(c) and 2 CFR section 200.521(d)

**10.553 SCHOOL BREAKFAST PROGRAM** (continued)

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Agriculture  
N.C. Department of Public Instruction  
For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	management decision letters outside the timeline initiated by the FAC acceptance date.
	Effective July 1, 2018, the Division of School Business within DPI revised audit tracking tools to incorporate both the LGC and FAC audit acceptance dates. The Division's internal procedure for audit resolution was revised, requiring the earlier of the two receipt dates to initiate the six-month timeframe in which management decision letters must be issued. These changes ensure DPI's compliance with the respective federal timeline.
	Effective July 1, 2018, the Division of School Business developed and implemented an internal procedure for resolution of nongovernmental organization (NGO) audits as well as an NGO audit tracking tool. This helps to ensure DPI's compliance with federal audit requirements for nonprofit entities.

**10.555 NATIONAL SCHOOL LUNCH PROGRAM****III. Federal Award Findings and Questioned Costs**

U.S. Department of Agriculture

N.C. Department of Public Instruction

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-002	Subrecipient <u>Monitoring:</u>  Significant Deficiency	<u>Inadequate Subrecipient Monitoring</u>  The Department did not timely obtain subrecipients' audit reports, review for problems, and communicate expected corrective actions to subrecipients of the Child Nutrition Cluster (Cluster). During the audit period, the Department passed \$524.5 million to these subrecipients.  Additionally, the audit report of a non-profit organization which received \$997,218 from the Department was not reviewed nor was a management decision issued regarding an audit finding pertaining to the Cluster. See finding 2018-001 for a description.

**10.556 SPECIAL MILK PROGRAM FOR CHILDREN**

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Agriculture  
N.C. Department of Public Instruction  
For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-003	Subrecipient <u>Monitoring:</u>  Significant Deficiency	<u>Inadequate Subrecipient Monitoring</u>  The Department did not timely obtain subrecipients' audit reports, review for problems, and communicate expected corrective actions to subrecipients of the Child Nutrition Cluster (Cluster). During the audit period, the Department passed \$524.5 million to these subrecipients.  Additionally, the audit report of a non-profit organization which received \$997,218 from the Department was not reviewed nor was a management decision issued regarding an audit finding pertaining to the Cluster. See finding 2018-001 for a description.



**10.559 SUMMER FOOD SERVICE PROGRAM FOR CHILDREN**

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Agriculture  
N.C. Department of Public Instruction  
For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-004	Subrecipient <u>Monitoring:</u>  Significant Deficiency	<u>Inadequate Subrecipient Monitoring</u>  The Department did not timely obtain subrecipients' audit reports, review for problems, and communicate expected corrective actions to subrecipients of the Child Nutrition Cluster (Cluster). During the audit period, the Department passed \$524.5 million to these subrecipients.  Additionally, the audit report of a non-profit organization which received \$997,218 from the Department was not reviewed nor was a management decision issued regarding an audit finding pertaining to the Cluster. See finding 2018-001 for a description.

## 14.228 COMMUNITY DEVELOPMENT BLOCK GRANTS/STATE'S PROGRAM AND NON-ENTITLEMENT GRANTS IN HAWAII

### III. Federal Award Findings and Questioned Costs

U.S. Department of Housing and Urban Development

N.C. Department of Environmental Quality

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-005	Subrecipient <u>Monitoring:</u>  Significant Deficiency	<p><u>Inadequate Subrecipient Monitoring</u></p> <p>The Department did not adequately monitor \$35.6 million in federal funds passed through to subrecipients<sup>8</sup> of the Community Development Block Grant (CDBG).</p> <p>Specifically, the Department did not:</p> <ul style="list-style-type: none"> <li>• Review subrecipient annual audit reports for problems and communicate expected corrective actions to subrecipients.</li> <li>• Notify subrecipients of all required federal award information.</li> </ul> <p>Auditors reviewed the monitoring process for all 11 subrecipients that were required to have an audit in accordance with the Uniform Guidance.<sup>9</sup> There was no evidence that the Department reviewed any of the 11 audit reports issued during the audit period. Because the audit reports were not reviewed, the Department did not issue timely management decisions<sup>10</sup> for two subrecipients who had audit findings related to the Community Development Block Grant.</p> <p>Additionally, the Department made subawards to 17 subrecipients during the audit period and used contracts to communicate the federal award information. However, none of the 17 contracts included the following required federal award information:</p> <ul style="list-style-type: none"> <li>• Federal Award Identification Number (FAIN)</li> <li>• Federal Award Date</li> <li>• CFDA Number and Name</li> <li>• Identification of whether the award is research and development</li> <li>• Indirect Cost Rate for the federal award</li> </ul> <p>The Department did not communicate the omitted federal award information to subrecipients until auditors raised the issue.</p>

<sup>8</sup> Subrecipients are counties, cities, and towns that use CDBG funds for public water and wastewater infrastructure projects.

<sup>9</sup> 2 CFR section 200.331(f) & 2 CFR section 200.501

<sup>10</sup> 2 CFR section 200.521(a) – Management decisions must clearly state whether or not the audit finding is sustained, the reasons for the decision, and the expected auditee actions (i.e. repay disallowed costs, make financial adjustments, or take other actions).

**14.228 COMMUNITY DEVELOPMENT BLOCK GRANTS/ STATE'S PROGRAM AND NON-ENTITLEMENT GRANTS IN HAWAII** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Housing and Urban Development

N.C. Department of Environmental Quality

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>The lack of adequate and timely monitoring increased the risk that CDBG funds would not be used in accordance with the federal requirements. For example, the audit reports that required follow-up by the Department reported deficiencies such as:</p> <ul style="list-style-type: none"><li>• Incomplete accounting records related to grant revenues and expenses.</li><li>• Lack of internal control procedures to monitor the timely disbursement of federal funds.</li></ul> <p>According to the Department, the lack of adequate monitoring happened for two reasons.</p> <p>First, the Department did not review subrecipient audit reports that were issued during the audit period or issue timely management decisions because the procedures for reviewing the audit reports did not clearly describe the steps to follow.</p> <p>Second, the Department did not communicate all of the required federal award information to its subrecipients because they did not obtain the information from the N.C. Department of Commerce (Commerce) in a timely manner. Commerce is the primary recipient of the CDBG grant from the U.S. Department of Housing and Urban Development (HUD) and receives the grant award notification which contains all of the federal award information that must be communicated to subrecipients. The Department did not obtain the information from Commerce until after the subrecipient contracts were signed.</p> <p>Federal regulations<sup>11</sup> require the Department to monitor the activities of its subrecipients by reviewing audit reports. Specifically, the Department is required to:</p> <ul style="list-style-type: none"><li>• Review financial and performance reports.</li><li>• Follow-up and ensure that the subrecipient takes timely and appropriate action on all deficiencies pertaining to the federal award.</li><li>• Issue management decisions<sup>12</sup> for audit findings that relate to federal awards it makes to subrecipients within six months of acceptance of the audit report by the Federal Audit Clearinghouse.</li></ul>

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<sup>11</sup> 2 CFR section 200.331(d)<sup>12</sup> 2 CFR section 200.521(c) and 2 CFR section 200.521(d)

**14.228 COMMUNITY DEVELOPMENT BLOCK GRANTS/ STATE'S PROGRAM AND NON-ENTITLEMENT GRANTS IN HAWAII** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Housing and Urban Development

N.C. Department of Environmental Quality

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Further, federal regulations<sup>13</sup> require the Department to clearly identify the award as a subaward and include specific federal award information at the time of the award.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Housing and Urban Development; CFDA Number (title): 14.228 (Community Development Block Grants/State's Program and Non-Entitlement Grants in Hawaii); Federal Award Number (award period): B-17-DC-37-0001 (July 1, 2017).</p> <p><i>Recommendation:</i> The Department should revise the audit report review procedures so that they clearly describe the steps to follow to ensure that audit reports are reviewed, follow-up is completed, and management decisions are issued timely.</p> <p>The Department should obtain the CDBG grant award notification from the Department of Commerce in a timely manner to ensure that they include all required federal award information in the contracts with their subrecipients.</p> <p><i>Agency Response:</i> The Department agrees with the finding. The Department has taken corrective actions and is working closer with the Department of Commerce to obtain federal award information in a timely manner. Commerce is the primary recipient of the CDBG grant from the U.S. Department of Housing and Urban Development. The Federal Award Identification Number (FAIN), Federal Award Date, CDFA Number and Name, Identification of whether the award is research and development and Indirect Cost Rate for the federal award will be included in the contracts to our subrecipients as required by 2 CFR 200.331(a)(1). The Department has revised the audit report review procedures to review audit reports in a timely manner and to communicate expected corrective actions to subrecipients. Management decision letters, will be issued within six months from the date the audit report was accepted by the Federal Audit Clearinghouse, when subrecipients have audit findings on audit reports. This will comply with 2 CFR 200.521(d).</p>

<sup>13</sup> 2 CFR section 200.331(a)(1) – provides the complete list of the required information that should be identified to the subrecipient at the time of the award.

**16.575 CRIME VICTIM ASSISTANCE****III. Federal Award Findings and Questioned Costs**

U.S. Department of Justice

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-006	<u>Subrecipient Monitoring:</u>  Material Weakness  Material Noncompliance  Questioned Cost Finding  \$291,507	<p><u>Governor's Crime Commission did not Adequately Monitor Subrecipients</u></p> <p>The Governor's Crime Commission (Commission), a division within the Department of Public Safety, did not adequately monitor \$37.9 million in federal funds passed to state agencies, non-profits, and other organizations (collectively called subrecipients) for providing assistance to victims of crime. Specifically, the Commission did not:</p> <ul style="list-style-type: none"> <li>• Perform all required site visits.</li> <li>• Review participant eligibility during site visits.</li> <li>• Adequately review reimbursement requests.</li> </ul> <p>Auditors reviewed all 107 projects that were closed during the audit period. Each project was required to have a site visit during the project life. Site visits were not scheduled or performed for 38 (36%) of the projects.</p> <p>Additionally, a random sample of 19 (20%) of the 94 site visits performed during the audit period showed deficiencies in 100% of items tested. Specifically,</p> <ul style="list-style-type: none"> <li>• In 17 of 19 (89%) site visits, there was no evidence that the monitor reviewed participant eligibility.</li> <li>• In 2 of 19 (11%) site visits, there was no evidence that the visit occurred at all.</li> </ul> <p>Lastly, a random sample of 74 out of 2,926 reimbursement requests paid to subrecipients showed that 30 (40%) requests were not adequately reviewed. Specifically,</p> <ul style="list-style-type: none"> <li>• For 18 of 74 (24%) requests, the supporting documentation did not support the amount being requested for reimbursement.</li> <li>• For 7 of 74 (9%) requests, there was no evidence of supervisor approval.</li> <li>• For 5 of 74 (7%) requests, there was neither supporting documentation of the amount nor evidence of supervisor approval.</li> </ul> <p>Inadequate on-site monitoring increased the risk that the Commission would not detect funds spent on ineligible participants, which could have reduced funding available for the victims of sexual assault, domestic abuse, child abuse, and other crimes. Additionally, payments of \$291,507 to subrecipients</p>

**16.575 CRIME VICTIM ASSISTANCE** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Justice

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>are being questioned due to the Commission's inadequate review of reimbursement requests.</p> <p>According to the Commission, it experienced significant turnover in recent years which reduced the number of staff who had knowledge and experience with the monitoring requirements. Further, management did not have adequate policies and procedures in place to ensure sufficient reviews and on-site visits were performed.</p> <p>However, federal regulations<sup>14</sup> required the Commission to:</p> <p style="padding-left: 40px;">Monitor the activities of the subrecipient as necessary to ensure that the subaward is used for authorized purposes, in compliance with federal statutes, regulations, and the terms and conditions of the subaward; and that subaward performance goals are achieved.</p> <p>Best practices<sup>15</sup> for monitoring subrecipient activities include "performing subrecipient site visits to examine financial and programmatic records and observe operations; and reviewing detailed financial and program data and information submitted by the subrecipient."</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Justice; CFDA Number (title) 16.575 (Crime Victim Assistance); Federal Award Numbers (award periods): 2014-VA-GX-0021 (October 1, 2013 – September 30, 2017); 2015-VA-GX-0019 (October 1, 2014 – September 30, 2018); 2016-VA-GX-0075 (October 1, 2015 – September 30, 2019); 2017-VA-GX-0050 (October 1, 2016 – September 30, 2020).</p> <p><i>Recommendation:</i> Commission management should ensure responsible staff receive proper training on the monitoring requirements.</p> <p>Additionally, Commission management should develop policies and procedures to ensure subrecipients are adequately monitored such as thorough reviews of reimbursement requests, a tracking tool for planning and completing on-site visits, and updated review procedures for on-site visits.</p> <p><i>Agency Response:</i> The Department accepts the findings by the Office of the State Auditor (OSA) that the Commission did not adequately monitor \$37.9 million in federal funds. The Department further acknowledges the findings regarding inadequately reviewed reimbursements totaling less than</p>

<sup>14</sup> 2 CFR 200.331(d)<sup>15</sup> United States Department of Justice Grants Financial Guide.

**16.575 CRIME VICTIM ASSISTANCE** (continued)

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Justice

N.C. Department of Public Safety

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	1% of the amount administered by the Commission during the relevant timeframe.
	The Commission remains committed to administering all federal grant awards in accordance with applicable state and federal guidance and is working to increase staffing levels in order to ensure appropriate monitoring.
	The Commission will improve its training program to ensure that responsible staff receive proper training on monitoring requirements. Additionally, Commission management will develop and implement policies and procedures to ensure that sub-recipients are adequately monitored.

**20.106 AIRPORT IMPROVEMENT PROGRAM****III. Federal Award Findings and Questioned Costs**

U.S. Department of Transportation

N.C. Department of Transportation

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-007	<u>Reporting:</u>  Material Weakness  Material Noncompliance	<p><u>Federal Financial Reports Incomplete</u></p> <p>The Department of Transportation (Department) did not submit complete annual financial reports for the Airport Improvement Program Grant to the Federal Aviation Administration (FAA). During state fiscal year 2018, the Department had eight open federal grant awards, each of which required an annual report to be submitted for the period ending September 30, 2017.</p> <p>For all eight reports, the Department did not complete the Federal Cash Section of the SF-425 Federal Financial Report. The Department should have cumulatively reported \$56.5 million for cash disbursements, \$55.5 million for cash receipts, and a negative \$1 million for cash on hand.</p> <p>Incomplete reporting may prevent the Airport District Office (ADO)<sup>16</sup> from tracking the financial progress of the airport grants. Tracking ensures the timely use of funds and could impact future funding levels.</p> <p>According to the Department's Division of Aviation Management, the reporting errors occurred because the preparer and reviewer were not aware of, nor trained on the FAA Airport Improvement Program (AIP) instructions for completing the Federal Financial Report (SF-425).</p> <p>Federal regulations<sup>17</sup> and the grant award document require the Department to submit the annual SF-425 Federal Financial Report to the Federal Aviation Administration. The report should include all activity of the reporting period and be supported by applicable accounting records to ensure completeness and accuracy.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Transportation; CFDA Number (title): 20.106 (Airport Improvement Program); Federal Award Numbers (award periods): 3-37-SBGP-44-2012, 3-37-SBGP-45-2012, 3-37-SBGP-46-2013, 3-37-SBGP-47-2014, 3-37-SBGP-48-2014, 3-37-SBGP-49-2015, 3-37-SBGP-50-2016, and 3-37-SBGP-51-2016 (for the federal fiscal years ended September 30, 2012 to 2017).</p>

<sup>16</sup> The local FAA Office of Airports that directly works with the state. In regional offices that do not have ADOs, the use of the term ADO refers to the FAA Office of Airports branch within the regional office that deals directly with the state.

<sup>17</sup> U.S. Department of Transportation Federal Aviation Administration Airport Improvement Program Handbook, Order 5100.38D and Advisory Circular 150/5100-21.



**20.106 AIRPORT IMPROVEMENT PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Transportation

N.C. Department of Transportation

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p><i>Recommendation:</i> Department management should train staff in the proper preparation and review of the Federal Financial Reports to ensure complete reporting.</p> <p><i>Agency Response:</i> The Department agrees with the finding and is taking the below corrective actions.</p> <p>The Division immediately acted to address the deficiency. The Division obtained instructions for completing the SF-425 and the preparer received training. The role of reviewer was reassigned to a manager with experience for completing and submitting the form. Before submitting the final version of its FFY18 SF-425, the Division emailed a draft of the form to its FAA Program Manager and requested that it be reviewed for accuracy and completeness. The Program Manager verified that the form was filled out correctly. The Division finalized its SF-425 and submitted it to the FAA, retaining the form and instructions for future reference.</p>
2018-008	<p><u>No Monitoring of \$20.5M in Airport Revenue</u></p> <p>The Department of Transportation (Department) did not monitor the use of revenue<sup>18</sup> generated by non-commercial airports (airports). The Department has the responsibility to monitor each airport awarded federal funds to ensure that revenue generated by the airport is only used for capital and operating costs of the airport.<sup>19</sup> According to the Department, the 62 airports generated \$20.5M in revenue during state fiscal year 2018.</p> <p>As a result of the Department's failure to monitor, misuse of revenues by the airports could go undetected. If revenues are found to be diverted from capital and operating costs, future Federal Aviation Administration grant funding could be reduced or eliminated.</p> <p>Per the Department's Division of Aviation Management, the Division was not aware of its requirements to monitor airport revenue use. Management believed</p>

<sup>18</sup> According to the Policies and Procedures Concerning the Generation and Use of Airport Revenue, issued February 16, 1999 (64 CFR 7695), defines airport revenues and which revenues are subject to the use requirement to be spent on capital and operating costs. Revenues include items such as state and local aviation fuel taxes, rental income, permits, air carrier fees and receipt from sale of airport property.

<sup>19</sup> The Airport and Airway Improvement Act of 1982, as amended and codified in Title 49 United States Code Chapter 47107(b)(1), requires all airport sponsors receiving Federal assistance to use airport revenue for the capital and operating costs of the airport, the local airport system, or other facilities that are owned or operated by the airport and are substantially and directly related to the actual transportation of passengers and property. Any other use of airport revenue is considered a revenue diversion.

**20.106 AIRPORT IMPROVEMENT PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Transportation

N.C. Department of Transportation

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>that the annual financial audit required by <i>North Carolina General Statute 159-34</i> or audits required under the Single Audit Act and Uniform Guidance<sup>20</sup> were sufficient to monitor compliance of subrecipient airports.</p> <p>They did not understand that the scope of a financial statement audit would not cover this compliance requirement and that not all airports would not be subject to a single audit.</p> <p>Federal regulations<sup>21</sup> require the pass-through entity to:</p> <p style="padding-left: 40px;">“Monitor the activities of the subrecipient [airports] as necessary to ensure that the subaward is used for authorized purposes in compliance with federal statutes, regulations and the terms and conditions of the subward; and that the subaward performance goals are achieved.”</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Transportation; CFDA Number (title): 20.106 (Airport Improvement Program); Federal Award Numbers (award periods): 3-37-SBG-44-2012, 3-37-SBG-45-2012, 3-37-SBG-46-2013, 3-37-SBG-47-2014, 3-37-SBG-48-2014, 3-37-SBG-49-2015, 3-37-SBG-50-2016, and 3-37-SBG-51-2016 (for the federal fiscal years ended September 30, 2012 to 2017).</p> <p><i>Recommendation:</i> Department management should make sure that staff overseeing grant management has a clear understanding of the requirement to monitor the use of airport revenues.</p> <p><i>Agency Response:</i> The Department agrees with the finding and is taking the below corrective actions.</p> <p>The Division immediately acted to address the deficiency through statewide training and improved communications with airport auditors, sponsors and finance staff. The Division developed airport revenue use training as part of the North Carolina Airport Technical Assistance Program (NCAirTAP) and conducted this training for Division staff managing grants as well as for airport sponsors at three regional meetings of the North Carolina Airports Association between August 17, 2018 and September 7, 2018. The Aviation Division is also implementing compliance monitoring to address the deficiency. In July 2018, the Division started developing a risk-based subrecipient compliance monitoring plan. The plan is under development. It will assign a risk level to each airport</p>

<sup>20</sup> Single Audit Act of 1996 (Public Law 104-156) and Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (2 CFR 200 Subpart F – Audit Requirements).

<sup>21</sup> 2 CFR Part 200.331(d)

**20.106 AIRPORT IMPROVEMENT PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Transportation

N.C. Department of Transportation

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
2018-009	<p>sponsor and appropriately test for compliance with airport revenue use and other grant requirements. This compliance monitoring plan will provide a comprehensive method for the Division to regularly review airport procedures and controls, act to address deficiencies, promote the use of best practices, and ensure that subject revenue generated by the airport is only used for allowable purposes.</p> <p><u>Inadequate Monitoring of Subrecipients</u></p> <p>The Department of Transportation (Department) did not adequately monitor subrecipients (airports) to ensure that they disbursed advanced federal funds<sup>22</sup> within three business days of receiving funds from the Department.<sup>23</sup> During state fiscal year 2018, the Department paid \$22.1 million to 62 subrecipients for approved airport projects.</p> <p>Auditors reviewed 64 out of the 264 subrecipient requests for funds and identified eight (12.5%) instances where the subrecipient did not disburse funds until after the three business days allowed. The eight advances totaled \$1.69 million and were disbursed between 4 and 158 days after the subrecipient received the funds.</p> <p>Inadequate monitoring increased the risk that subrecipients could retain and use federal funds for unapproved costs without being detected. Subrecipients could also fail to pay contractors/vendors which could impact the completion of airport projects.</p> <p>According to the Department, inadequate monitoring occurred because the checklist instructions did not direct the reviewer to verify that the funds were disbursed within three business days of receipt. The Department's review checklist required payment (disbursement) verification from the subrecipients, but the checklist instructions did not require verification of timeliness.</p> <p>Federal regulations<sup>24</sup> require the pass-through entity to:</p> <p style="padding-left: 40px;">"Monitor the activities of the subrecipient as necessary to ensure that the subaward is used for authorized purposes in compliance with</p>

<sup>22</sup> 2 CFR Part 200.305(b) – Non-federal entities other than states, must minimize the time elapsing between the transfer of funds from the pass-through entity and the disbursement by the non-federal entity.

<sup>23</sup> The Sponsor's (airports) Assurances in Section C-4 of the subaward agreement states, "payments from NCDOT to the Sponsor are made on a reimbursement basis. The Sponsor must pay all contractors/vendors prior to or within 3 business days of receipt of the Department's reimbursement."

<sup>24</sup> 2 CFR Part 200.331(d)

**20.106 AIRPORT IMPROVEMENT PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Transportation

N.C. Department of Transportation

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>federal statutes, regulations and the terms and conditions of the subaward;<sup>25</sup> and the subaward performance goals are achieved.”</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Transportation; CFDA Number (title): 20.106 (Airport Improvement Program); Federal Award Numbers (award periods): 3-37-SBGP-44-2012, 3-37-SBGP-45-2012, 3-37-SBGP-46-2013, 3-37-SBGP-47-2014, 3-37-SBGP-48-2014, 3-37-SBGP-49-2015, 3-37-SBGP-50-2016, and 3-37-SBGP-51-2016 (for the federal fiscal years ended September 30, 2012 to 2017).</p> <p><i>Recommendation:</i> Department management should ensure that the instructions provided to reviewers include all requirements and that reviewers complete the checklist in its entirety.</p> <p><i>Agency Response:</i> The Department agrees with the finding and is taking the below corrective actions.</p> <p>The Aviation Division will ensure that advanced funds are disbursed by the recipient within three business days of payment and that appropriate follow-up action is taken by the Division if a recipient is not in compliance. The Division will update its online claim form so sponsors must indicate whether the claim is a request for reimbursement or advanced funds. If the advanced funds option is selected, the sponsor will be required to certify that it needs advanced funds for an approved project expense. The sponsor’s certification statement will explain that advanced funds must be disbursed within three business days of the advance. The disbursement will be verified on the next payment verification by the Division. If the Division determines that a sponsor did not disburse the advance funds within three business days after certifying that it had, the sponsor will receive a letter of non-compliance. If the sponsor continues to be in non-compliance, the Division could require immediate repayment of the advance funding. This will be factored into the risk level assessment and may affect future funding. The Division is developing this process in close communication with staff and airport sponsors.</p>

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<sup>25</sup> See footnote 23

**20.205 HIGHWAY PLANNING AND CONSTRUCTION****III. Federal Award Findings and Questioned Costs**

U.S. Department of Transportation

N.C. Department of Transportation

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-010	<u>Period of Performance:</u>  Significant Deficiency  Questioned Cost Finding  \$18,801	<p><u>Expenditures Incurred Prior to Project Authorization</u></p> <p>The Department paid for project expenditures using Highway Planning and Construction Cluster (HPCC) funds that were incurred prior to the project being authorized by the federal government. During fiscal year 2018, the Department received authorization for 314 new projects and the expenditures associated with those projects totaled \$32.8 million.</p> <p>The Federal Highway Administration (FHWA) must authorize projects prior to expenditures being incurred related to the project. FHWA may provide an exception for expenditures to be incurred prior to the project authorization.</p> <p>Out of a sample of 40 projects authorized during the period (totaling \$3.4 million), two (5%) projects included expenditures billed to FHWA that were incurred prior to authorization. For both projects, the Department provided no evidence that FHWA provided an exception for these expenditures. The total unauthorized expenditures were \$23,151 (federal share of \$18,801).</p> <p>Even though the tests identified only \$18,801 in questioned costs, if extended to the entire population, questioned costs could exceed \$25,000.<sup>26</sup></p> <p>As a result, the Department must reimburse the FHWA for the unallowable costs using state or other funding.</p> <p>According to Department management, the invoice review failed to identify and flag the expenditures incurred prior to project authorization for exclusion from FHWA billings when the invoices were entered and approved in the accounting system.</p> <p>Federal regulations<sup>27</sup> require “a non-federal entity to only charge to the federal award allowable costs incurred during the period of performance and any costs incurred before the federal awarding agency or pass-through entity made the federal award that were authorized by the federal awarding agency or pass-through entity.”</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Transportation; CFDA Number (title): 20.205 (Highway Planning and Construction); Award Period: July 1, 2017 – June 30, 2018.</p>

<sup>26</sup> 2 CFR 200.516(a)(3) requires auditors to report known questioned costs when likely questioned costs are greater than \$25,000.

<sup>27</sup> 2 CFR 200.309

**20.205 HIGHWAY PLANNING AND CONSTRUCTION** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Transportation

N.C. Department of Transportation

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
2018-011	<p><i>Recommendation:</i> Department management should ensure that invoice review is sufficient to determine if any expenditures were incurred prior to authorization and that those expenditures are properly recorded in the system for exclusion from FHWA billings.</p> <p>Additionally, the Department should review all authorized projects to determine whether any additional costs were incurred prior to FHWA authorization.</p> <p><i>Agency Response:</i> The Department agrees with the finding and is taking the below corrective actions.</p> <p>The Federal Funds manager contacted the two units that approved invoices for payment and informed them of the error. NCDOT reimbursed the Federal Highway Administration (FHWA) for the two projects in which expenditures occurred prior to the authorization date. The first reimbursement of \$20,373 was given to FHWA on November 16, 2018 and the second reimbursement of \$1,404 was provided on January 4, 2019. The Federal Funds manager sent a memo on January 7, 2019 to remind invoice approvers to check for expenditure dates and attended the Division of Highways Operations meeting to discuss period of performance on January 8, 2019.</p> <p><u>Review Procedures Failed to Ensure Contractor Compliance With Federal Pay Rates</u></p> <p>The Department did not consistently obtain and review contractor payrolls for construction projects funded by the Highway Planning and Construction Cluster. During the audit period, the Department paid \$734.9 million in construction project expenditures subject to this requirement.</p> <p>Payroll reviews help ensure contractors comply with the federal minimum pay rates for laborers and mechanics.</p> <p>A test of 77 out of 3,136 construction expenditure payments and the related project files revealed that nine (12%) project files were missing the required payrolls.</p> <p>Because the payrolls were not consistently obtained and reviewed, there was an increased risk that the Department would fail to identify contractor noncompliance and take appropriate corrective action. Corrective action could include suspension of payments, termination of the contract, and debarment from future contracting opportunities.</p>
Special Tests and Provisions:  Significant Deficiency	

**20.205 HIGHWAY PLANNING AND CONSTRUCTION** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Transportation

N.C. Department of Transportation

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>According to the Department, the payrolls were not obtained for two reasons.</p> <p>First, the Department did not obtain five of the nine missing payrolls because the contractors would not provide them.<sup>28</sup> In these instances, Department staff requested the payrolls and followed-up when they were not received. However, the Department did not implement alternative corrective actions when it did not receive the payrolls after requesting them for months. Available alternative corrective actions included terminating contractor funding.</p> <p>Second, the Department did not obtain four of the nine missing payrolls because of inaccurate monitoring documentation. The Department uses form FAP-1<sup>29</sup> to identify active contractors for the week and ensure that all payrolls are obtained. In these four instances, the FAP-1 inaccurately documented that some contractors did not work, although the daily project diaries maintained by the Department's onsite inspector indicated the contractors worked on site during the week. As a result, the payrolls were not requested.</p> <p>Federal regulations<sup>30</sup> require contractors and subcontractors that work on construction contracts in excess of \$2,000 to submit to the awarding agency a copy of their weekly payroll and a statement of compliance (certified payroll) for any week where contract work was performed.</p> <p>Additionally, per the Federal Highway Administration Davis-Bacon and Related Acts Questions and Answers, the Department is responsible for properly applying and enforcing wage rate requirements in construction contracts, which includes reviewing certified payrolls in a timely manner to ensure all laborers and mechanics are paid wages not less than those established by the U.S. Department of Labor for the locality of the project.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Transportation; CFDA Number (title): 20.205 (Highway Planning and Construction); Award Period: July 1, 2017 – June 30, 2018.</p> <p><i>Recommendation:</i> Department management should ensure that staff properly execute the necessary follow-up procedures to obtain certified payrolls and takes alternative corrective actions when the contractor does not provide the payrolls.</p>

<sup>28</sup> Four of the five errors were related to the same contractor.

<sup>29</sup> The FAP-1 is the internal report used to identify the contractors that were active during the week and the payrolls that should be received.

<sup>30</sup> 29 CFR section 5.5(3)(ii)(A)

**20.205 HIGHWAY PLANNING AND CONSTRUCTION** (continued)

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Transportation

N.C. Department of Transportation

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Additionally, Department management should ensure that the FAP-1 is reviewed for completeness and accuracy by comparing to the daily project diaries.</p> <p><i>Agency Response:</i> The Department agrees with the finding and is taking the below corrective actions.</p> <p>A review of project records revealed several times when the contractor failed to provide the requested documentation. Since the audit findings were released, two of the nine payrolls have been provided and the Department will correct the remaining payrolls by March 1, 2019, except for those records that may have expired because they were old. This includes two of the nine payrolls that were completed prior to the end of 2012, which was also prior to previous findings and implementation of a corrective action plan.</p>



**84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS****III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

Randolph Community College

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-012	Special Tests and Provisions:  Significant Deficiency	<p><u>Untimely Return of Title IV Funds</u></p> <p>The College did not timely return Title IV funds (financial aid) after students supported by the program withdrew from the school. During the audit period, the College disbursed approximately \$4.8 million in financial aid to 1,211 students.</p> <p>Auditors tested the return calculations for a sample of 16 out of 81 students that met the requirements and had Title IV calculations performed. Auditors found two students (13%) in which unearned funds totaling \$3,036 were returned to the Title IV program between five and 14 days late.</p> <p>As a result, the untimely return of those funds prevented them from being allocated to other students or reducing the cost of federal programs.</p> <p>The errors occurred because the College did not have procedures in place during the audit period to ensure instructors reported withdrawals in a timely manner.</p> <p>Federal regulations<sup>31</sup> state that if the total amount of assistance earned by the student is less than the amount that was disbursed to the student or on his or her behalf as of the institution's determination that the student withdrew, the difference must be returned to the Title IV program.</p> <p>Additionally, federal regulations<sup>32</sup> require that returns of Title IV funds be deposited or transferred into the Student Financial Aid account or that electronic fund transfers be initiated to the Department of Education or the appropriate lender as soon as possible, but no later than 45 days after the date the institution determined that the student withdrew.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational Opportunity Grants) and 84.063 (Federal Pell Grant Program); Award Period: July 1, 2017 – June 30, 2018.</p> <p><i>Recommendation:</i> College management should design and implement procedures to ensure that instructors report withdrawals in a timely manner so funds are returned on a timely basis in accordance with federal compliance requirements.</p> <p><i>Agency Response:</i> Randolph Community College agrees with the finding and recommendation to implement procedures to ensure that instructors report</p>

<sup>31</sup> 34 CFR 668.22(a)(1) through (a)(5)<sup>32</sup> 34 CFR 668.173(b)

**84.007    FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS (continued)**

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

Randolph Community College

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	withdrawals in a timely manner so funds are returned on a timely basis in accordance with federal compliance requirements.
	Corrective actions are currently being implemented with an estimated date for completion of December 31, 2018, which will allow for the full implementation of these actions during the transition of semesters. Corrective actions will require involvement of faculty and staff from the Student Services Division and Instructional Services Division. The Director of Financial Aid and Veterans Affairs will coordinate with the Vice President for Student Services, who will then work with the Vice President for Instructional Services. The Vice President for Instructional Services will then coordinate with faculty, as needed.

**84.007 FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS****III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

University of North Carolina at Pembroke

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-013	Special Tests and Provisions:  Significant Deficiency	<p><u>Errors in Return of Title IV Funds</u></p> <p>The University incorrectly calculated how much money to return to the Title IV program (financial aid) after students supported by the program withdrew from school. Also, some funds were either not returned or were returned late. During the audit period, the University disbursed approximately \$55.8 million in financial aid to 5,274 students.</p> <p>Auditors tested the return to Title IV calculations for a sample of 60 out of 187 students that met the requirements and had calculations performed.</p> <ul style="list-style-type: none"> <li>For 52 students (87%), the return calculations were incorrect.</li> <li>For 7 students (12%), a calculation was performed but the funds were either not returned or were returned late.</li> </ul> <p>As a result, the University failed to return \$6,080.74 to the Title IV program and returned another \$6,868.35 between eight and 22 days late. These funds could have been allocated to other students or used to reduce the cost of federal programs.</p> <p>The errors occurred because the student support specialist was assigned sole responsibility for performing the return to Title IV calculation without any supervisory review or oversight. In addition, the specialist used an incorrect number for the total days in the Fall 2017 and Spring 2018 semester calculations.</p> <p>Federal regulations<sup>33</sup> state that if the total amount of assistance earned by the student is less than the amount that was disbursed to the student or on his or her behalf as of the of the institution's determination that the student withdrew, the difference must be returned to the Title IV programs.</p> <p>Additionally, federal regulations<sup>34</sup> require that returns of Title IV funds be deposited or transferred into the Student Financial Aid account or that electronic fund transfers be initiated to ED or the appropriate lender as soon as possible, but no later than 45 days after the date the institution determines that the student withdrew.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.007 (Federal Supplemental Educational</p>

<sup>33</sup> 34 CFR 668.22(a)(1) through (a)(5)<sup>34</sup> 34 CFR 668.173(b)

**84.007    FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS** (continued)

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education  
University of North Carolina at Pembroke  
For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	Opportunity Grants), 84.063 (Federal Pell Grant Program), and 84.268 (Federal Direct Student Loans); Award Period: July 1, 2017 – June 30, 2018.
	<i>Recommendation:</i> University management should design and implement review and/or monitoring procedures to ensure that required calculations for returns to Title IV are complete and accurate, and funds are returned on a timely basis in accordance with federal compliance requirements.
	<i>Agency Response:</i> The University of North Carolina at Pembroke agrees with the findings and recommendations that the University should design and implement monitoring procedures to ensure that required calculations for Returns to Title IV are complete, accurate and timely. Based on these findings, the University is strengthening its current procedures.

**84.031 HIGHER EDUCATION - INSTITUTIONAL AID****III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

Winston-Salem State University

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-014	Procurement and Suspension and Debarment:  Significant Deficiency	<p><u>The University Did Not Consistently Verify Whether Vendors Were Suspended or Debarred</u></p> <p>University management did not consistently verify whether vendors had been suspended or debarred<sup>35</sup> from doing business with the federal government. During the fiscal year ended June 30, 2018, the University paid \$1,680,971 from federal grant funds to 12 vendors who were subject to this verification.</p> <p>Auditors reviewed transactions that occurred during the audit period with the 12 vendors and found that the University did not verify whether 8 (67%) of the 12 vendors were suspended or debarred. The eight vendors identified as not being verified were non-construction vendors.</p> <p>Management's failure to ensure all vendors were not suspended or debarred increased the risk that the University could have been defrauded or received poor quality goods and services by entering into transactions with unscrupulous vendors. There is also an increased likelihood that federal funds would not be available to support improvements in educational quality, management, and financial stability of the University.</p> <p>Based on our review, none of the vendors that received payments during the audit period were suspended or debarred from doing business with the federal government.</p> <p>According to University management, they were aware of the requirement to verify that vendors were not suspended or debarred; however, there were no written policies and procedures over this verification process. This led to a misunderstanding about which department was responsible for conducting the procedure for all non-construction purchases.</p> <p>Federal regulations<sup>36</sup> require the University to verify that the intended vendor is not suspended or debarred or otherwise excluded from participating in federal assistance programs by either checking the government-wide System for Award Management (SAM) Exclusions, collecting a certification from the vendor, or adding a clause or condition to the covered transaction with that vendor.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.031 (Higher Education - Institutional Aid);</p>

<sup>35</sup> Debarment is the state of being excluded from enjoying certain rights, privileges, or practices and act of prevention by legal means. Companies can be debarred from contracts due to allegations of fraud, mismanagement, and similar improprieties.

<sup>36</sup> 2 CFR 180.300.

**84.031 HIGHER EDUCATION - INSTITUTIONAL AID** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

Winston-Salem State University

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Federal Award Numbers (award periods): P031B120561 (October 1, 2016 - September 30, 2017 and October 1, 2017 - September 30, 2018) and P031B150032 (October 1, 2016 - September 30, 2017 and October 1, 2017 - September 30, 2018).</p> <p><i>Recommendation:</i> University management should develop written policies and procedures identifying those departments responsible for verifying suspension and debarment requirements for each type of transaction. In addition, monitoring procedures should be implemented to ensure the consistent application of such procedures by each department.</p> <p><i>Agency Response:</i> We concur with the finding. Sponsored Programs (Academic Affairs) was initially charged with the responsibility of vetting federal grant vendors against the Excluded Parties List System maintained by the General Services Administration. The University is transferring this responsibility to Purchasing Services (Finance and Administration).</p>

**84.063 FEDERAL PELL GRANT PROGRAM****III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

Carteret Community College

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-015	<u>Special Tests and Provisions:</u>  Material Weakness  Material Noncompliance	<u>Enrollment Status Reporting Errors</u>  <p>The College did not timely report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the College disbursed approximately \$2.68 million in federal financial assistance funding to 774 students subject to this reporting requirement.</p> <p>Auditors tested the enrollment status reporting for a sample of 60 students who received federal financial assistance and whose enrollment status changed. Eight (13%) students were reported with incorrect status changes.</p> <p>Failure to report student enrollment status changes to the NSLDS could impact student Pell eligibility.</p> <p>According to College management, the College relied on the National Student Clearinghouse (NSC), a third-party service provider, to ensure accurate and timely reporting of enrollment status changes. The College did not monitor the information reported to NSLDS to ensure its agreement with College records.</p> <p>Federal regulations<sup>37</sup> require the College to notify NSLDS within 75 days<sup>38</sup> of a change in student status for those students that received Pell Grant funds. In addition, the NSLDS Enrollment Reporting Guide states that the College is ultimately responsible for timely and accurate reporting.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.063 (Federal Pell Grant Program); Award Period: July 1, 2017 – June 30, 2018.</p> <p><i>Recommendation:</i> College management should monitor the student enrollment data reported to NSLDS for accuracy and timeliness.</p> <p><i>Agency Response:</i> Carteret Community College agrees with the finding and recommendation that the College needs to monitor the student enrollment data reported to NSLDS for accuracy and timeliness. Based on this finding, the College is strengthening its current procedure to provide a timely review of the enrollment status changes reported.</p>

<sup>37</sup> 34 CFR 690.83 and 34 CFR 685.309

<sup>38</sup> The College is required to notify the NSLDS when it discovers that a student who received loans or Pell grants is no longer enrolled at least half-time. Unless the College expects to complete its enrollment roster with the NSLDS within 60 days of the student's change in enrollment, the College must notify the lender or guarantee agency, via NSLDS within 30 days. The College has 15 days to turn around the roster file. Therefore, we have determined timeliness to be established as within 75 days.

**84.063 FEDERAL PELL GRANT PROGRAM****III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

North Carolina Central University

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-016	<u>Special Tests and Provisions:</u>  Material Weakness  Material Noncompliance	<u>Enrollment Status Reporting Errors</u>  The University did not timely report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the University disbursed approximately \$57 million in federal financial assistance funding to 3,216 students subject to this reporting requirement.  Auditors tested the enrollment status reporting for a sample of 60 students who received federal financial assistance and whose enrollment status changed. Five (8%) student status changes were not reported to the NSLDS at all.  Failure to report student enrollment status changes to the NSLDS could impact student Pell and Direct Loan eligibility.  The University relied on the National Student Clearinghouse (Clearinghouse), a third-party service provider, to ensure accurate and timely reporting of enrollment status changes. The University did not monitor the information reported to NSLDS to ensure its agreement with University records.  Federal regulations <sup>39</sup> require the University to notify NSLDS within 75 days <sup>40</sup> of a change in student status for those students that received Pell Grant and Federal Direct Loan funds. In addition, the NSLDS Enrollment Reporting Guide states that the University is ultimately responsible for timely and accurate reporting.  <i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Numbers (titles): 84.063 (Federal Pell Grant Program) and 84.268 (Federal Direct Student Loans); Award Period: July 1, 2017 – June 30, 2018.  <i>Recommendation:</i> University management should monitor submissions of student enrollment status changes submitted by the Clearinghouse to ensure they are reported timely and accurately to the NSLDS.  <i>Agency Response:</i> The University concurs with the audit finding and recognizes the importance in strengthening controls pertaining to enrollment status reporting errors. The University has implemented a corrective action plan to appropriately address the finding to ensure compliance with federal regulations.

<sup>39</sup> 34CFR 690.83 and 34 CFR 685.309

<sup>40</sup> The University is required to notify the NSLDS when it discovers that a student who received loans or Pell grants has had a reduction or increase in attendance levels, graduated, withdrew/dropped out, dropped below half-time, or enrolled but never attended. Unless the University expects to complete its enrollment roster with the NSLDS within 60 days of the student's change in enrollment, the University must notify the lender or guarantee agency, via NSLDS within 30 days. The University has 15 days to turn around the roster file. Therefore, we have determined timeliness to be established as within 75 days.



**84.063 FEDERAL PELL GRANT PROGRAM****III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

Randolph Community College

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-017	<u>Special Tests and Provisions:</u>	<u>Enrollment Status Reporting Errors</u>
	Material Weakness	The College did not timely report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the College disbursed approximately \$4.7 million in federal financial assistance funding to 1,181 students subject to this reporting requirement.
	Material Noncompliance	Auditors tested the enrollment status reporting for a sample of 60 students who received federal financial assistance and whose enrollment status changed.
		Three (5%) students were not reported in accordance with federal compliance requirements. Specifically:
		<ul style="list-style-type: none"> <li>• One student was not reported at all.</li> <li>• One student was reported 76 days after the status change occurred.</li> <li>• One student was reported with an incorrect status change.</li> </ul>
		Failure to report student enrollment status changes to the NSLDS could impact student Pell eligibility.
		The three errors occurred for two reasons.
		First, the College did not review error reports received from the National Student Clearinghouse (Clearinghouse) because they didn't know that the reports existed. These reports notify them of potential errors that need to be cleared prior to submission to NSLDS. The College uses the Clearinghouse, a third-party service provider, to report student enrollment status changes to the NSLDS.
		Second, the College relied upon the information system (Colleague) to identify all students with status changes. During the audit period, the parameters that were set up in Colleague did not properly identify all students who graduated and were required to be reported.
		Federal regulations <sup>41</sup> require the College to notify NSLDS within 75 days <sup>42</sup> of a change in student status for those students that received Pell Grant funds.

<sup>41</sup> 34 CFR 690.83 and 34 CFR 685.309

<sup>42</sup> The College is required to notify the NSLDS when it discovers that a student who received loans or Pell grants is no longer enrolled at least half-time. Unless the College expects to complete its enrollment roster with the NSLDS within 60 days of the student's change in enrollment, the College must notify the lender or guarantee agency, via NSLDS within 30 days. The College has 15 days to turn around the roster file. Therefore, we have determined timeliness to be established as within 75 days.

**84.063 FEDERAL PELL GRANT PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

Randolph Community College

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>In addition, the NSLDS Enrollment Reporting Guide states that the College is ultimately responsible for timely and accurate reporting.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.063 (Federal Pell Grant Program); Award Period: July 1, 2017 – June 30, 2018.</p> <p><i>Recommendation:</i> College management should review error reports received from the Clearinghouse to ensure all errors are cleared as appropriate. College management should also establish monitoring procedures to ensure changes to the parameters in Colleague are made appropriately and timely to ensure all students subject to reporting requirements are properly identified.</p> <p><i>Agency Response:</i> Randolph Community College agrees with the finding and recommendation to review error reports received from the Clearinghouse to ensure all errors are cleared as appropriate. College management will establish monitoring procedures to ensure changes to the parameters in Colleague are made appropriately and timely to ensure all students subject to reporting requirements are properly identified.</p> <p>Corrective actions are currently being implemented with an estimated date for completion of December 31, 2018, which will allow for the full implementation of these actions during the transition of semesters. Corrective actions will require involvement of the Director of Admissions, Records and Registration (Registrar) and the Assistant Director of Admissions, Records and Registration, both within the Student Services Division.</p>
2018-018  <u>Special Tests and Provisions:</u>  Significant Deficiency	<p><u>Untimely Return of Title IV Funds</u></p> <p>The College did not timely return Title IV funds (financial aid) after students supported by the program withdrew from the school. During the audit period, the College disbursed approximately \$4.8 million in financial aid to 1,211 students.</p> <p>As a result, the untimely return of those funds prevented them from being allocated to other students or reducing the cost of federal programs. See finding 2018-012 for a description.</p>

**84.063    FEDERAL PELL GRANT PROGRAM**

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education  
University of North Carolina at Pembroke  
For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-019	<u>Special Tests and Provisions:</u>  Significant Deficiency	<u>Errors in Return of Title IV Funds</u>  The University incorrectly calculated how much money to return to the Title IV program (financial aid) after students supported by the program withdrew from school. Also, some funds were either not returned or were returned late. During the audit period, the University disbursed approximately \$55.8 million in financial aid to 5,274 students.  As a result, the University failed to return \$6,080.74 to the Title IV program and returned another \$6,868.35 between eight and 22 days late. These funds could have been allocated to other students or used to reduce the cost of federal programs. See finding 2018-013 for a description.

**84.268    FEDERAL DIRECT STUDENT LOANS**

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

North Carolina Central University

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-020	Special Tests and <u>Provisions:</u>	<u>Enrollment Status Reporting Errors</u>
	Material Weakness	The University did not timely report enrollment status changes to the National Student Loan Data System (NSLDS) for students who received federal financial assistance. During the audit period, the University disbursed approximately \$57 million in federal financial assistance funding to 3,216 students subject to this reporting requirement. See finding 2018-016 for a description.
	Material Noncompliance	

**84.268    FEDERAL DIRECT STUDENT LOANS**

**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education  
University of North Carolina at Pembroke  
For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-021	Special Tests and <u>Provisions:</u>  Significant Deficiency	<u>Errors in Return of Title IV Funds</u>  The University incorrectly calculated how much money to return to the Title IV program (financial aid) after students supported by the program withdrew from school. Also, some funds were either not returned or were returned late. During the audit period, the University disbursed approximately \$55.8 million in financial aid to 5,274 students.  As a result, the University failed to return \$6,080.74 to the Title IV program and returned another \$6,868.35 between eight and 22 days late. These funds could have been allocated to other students or used to reduce the cost of federal programs. See finding 2018-013 for a description.

**84.365 ENGLISH LANGUAGE ACQUISITION STATE GRANTS****III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

N.C. Department of Public Instruction

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs		Findings and Recommendations
2018-022	<p><u>Period of Performance:</u></p> <p>Significant Deficiency</p> <p>Questioned Cost Finding</p> <p>\$42,195</p>	<p><u>Funds Used for Activities Performed Outside the Award Period</u></p> <p>The Department improperly charged \$42,195 of expenditures to an English Language Acquisition grant award that was no longer available for obligations.<sup>43</sup> For the fiscal year, the Department spent \$15.5 million to help students attain English proficiency and provide enhanced opportunities for immigrant children.</p> <p>The 2015 award obligation period ended during our audit year. This award began on July 1, 2015, and ended on September 30, 2017. The Department had 90 days to liquidate obligations made during the award period.</p> <p>Auditors examined all expenses related to the 2015 award in the 90 days subsequent to the award period. The following amounts were improperly charged to the award:</p> <ul style="list-style-type: none"> <li>• \$30,387 in state aid that was reallocated between Local Education Agencies<sup>44</sup> (LEAs) after September 30, 2017.</li> <li>• \$7,727 to reimburse travel that was taken after September 30, 2017.</li> <li>• \$4,081 of indirect costs and miscellaneous expenditures incurred after September 30, 2017.</li> </ul> <p>Improper charging of expenses leads to inaccurate financial reporting. Further, the Department may be required to pay \$42,195 back to the United States Department of Education.</p> <p>According to the Department, the improper charges occurred because of a lack of sufficient staff. The Department had multiple positions that were vacant during the audit period. The review of the allocations and expenditures to ensure they were obligated in the award period was delayed due to the remaining staff focusing on other priorities.</p> <p>Federal regulations<sup>45</sup> require the Department to charge the federal award for allowable costs incurred during the period of performance (award period).</p>

<sup>43</sup> When used in connection with the Department's utilization of funds under a Federal award, 'obligations' means orders placed for property and services, contracts and subawards made, and similar transactions during a given period that require payment by the non-federal entity during the same or a future period.

<sup>44</sup> Synonymous with a local school district, a Local Education Agency is a public authority, such as a board of education, with administrative control of public schools within a city or county. The Department allocates funds to the LEAs to carry out the objectives of the program.

<sup>45</sup> 2 CFR 200.309

**84.365 ENGLISH LANGUAGE ACQUISITION STATE GRANTS** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Education

N.C. Department of Public Instruction

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>The U.S. Department of Education specifies this period as the 27 months extending from July 1 of the fiscal year for which the funds were appropriated through September 30 of the second following year.</p> <p>Further, the federal Department of Education states that reallocating grant funds between recipients may not be done after the period of performance ends.<sup>46</sup></p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Education; CFDA Number (title): 84.365 (English Language Acquisition State Grants); Federal Award Number (award period): S365A150033 (October 1, 2015 – September 30, 2016).</p> <p><i>Recommendation:</i> Department management should either:</p> <ul style="list-style-type: none"><li>• Assign adequate staff to review allocations and expenditures timely to ensure that obligations are made within the award period or</li><li>• Modify the existing procedures of review to ensure obligations are made within the award period.</li></ul> <p><i>Agency Response:</i> The Department of Public Instruction concurs with the Auditor's finding and recommendation. The Division of School Business will develop internal procedures for reallocation of federal grant funds designed to ensure funds are not reallocated between subrecipients after the period of performance. The Division of Financial Services will develop and communicate internal procedures designed to ensure that only obligations made within the award period are paid through grant funds. The Division of Financial Services also has plans to hire for a Grant Accountant position during the current fiscal year to assist with tracking and monitoring of grant related spending.</p>

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<sup>46</sup> United States Department of Education Cross-Cutting Section of the 2018 OMB Compliance Supplement, "Period of Performance (All Grantees)."

**93.568 LOW-INCOME HOME ENERGY ASSISTANCE PROGRAM****III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs		Findings and Recommendations																																
2018-023	<u>Reporting:</u>  Significant Deficiency	<p><u>Inaccurate Household Information Reported to Federal Government</u></p> <p>The Department submitted an inaccurate special report for the Low-Income Home Energy Assistance Program (LIHEAP)<sup>47</sup> to the U.S. Department of Health and Human Services, Administration for Children and Families (ACF). During the audit period, the Department provided \$79.8 million in LIHEAP Assistance to eligible households.</p> <p>Auditors obtained the supporting data and recalculated the amounts included in the <i>Annual Report on Households Assisted by the Low-Income Home Energy Assistance Program</i> submitted in December 2017 for the period of October 1, 2016 – September 30, 2017. The report contains information such as the number and income levels of households that applied for and were assisted by LIHEAP funding. Variances were identified between the submitted report and the auditor recalculated amounts.</p> <p>The following variances were identified:</p> <table><tr><th>Category</th><th>December 2017 submission</th><th>Auditor Results</th><th>Variance</th></tr><tr><td>Households receiving crisis assistance</td><td>104,853</td><td>107,073</td><td>(2.12%)</td></tr><tr><td>Households receiving emergency repair or replacement assistance</td><td>1,004</td><td>801</td><td>20.22%</td></tr><tr><td>Households receiving weatherization assistance</td><td>1,142</td><td>1,079</td><td>5.52%</td></tr><tr><td>Households applying for heating assistance</td><td>135,658</td><td>135,553</td><td>0.08%</td></tr><tr><td>Households applying for crisis assistance</td><td>112,795</td><td>115,331</td><td>(2.25%)</td></tr><tr><td>Households applying for emergency repair or replacement assistance</td><td>1,170</td><td>1,070</td><td>8.55%</td></tr><tr><td>Households applying for weatherization assistance</td><td>1,328</td><td>1,227</td><td>7.61%</td></tr></table>	Category	December 2017 submission	Auditor Results	Variance	Households receiving crisis assistance	104,853	107,073	(2.12%)	Households receiving emergency repair or replacement assistance	1,004	801	20.22%	Households receiving weatherization assistance	1,142	1,079	5.52%	Households applying for heating assistance	135,658	135,553	0.08%	Households applying for crisis assistance	112,795	115,331	(2.25%)	Households applying for emergency repair or replacement assistance	1,170	1,070	8.55%	Households applying for weatherization assistance	1,328	1,227	7.61%
Category	December 2017 submission	Auditor Results	Variance																															
Households receiving crisis assistance	104,853	107,073	(2.12%)																															
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Households applying for emergency repair or replacement assistance	1,170	1,070	8.55%																															
Households applying for weatherization assistance	1,328	1,227	7.61%																															

<sup>47</sup> LIHEAP provides assistance to eligible households to help meet their immediate home energy costs, increase their energy self-sufficiency, and reduce their vulnerability from energy needs.



**93.568 LOW-INCOME HOME ENERGY ASSISTANCE PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>As a result, there were additional errors in the reported number of assisted and applicant households by poverty level and the number of assisted households by vulnerable population.</p> <p>Reporting errors could lead to reduced funding because the report provides information to ACF about the need for LIHEAP funding. Reporting errors could also lead to inaccurate state performance measures in the ACF's annual report to Congress.</p> <p>According to the Department, the errors in the report occurred because there were no written procedures on how to accumulate and reconcile the data and prepare the report. Further, the review and approval of the completed report were not detailed enough to ensure the report was prepared accurately.</p> <p>Federal regulations<sup>48</sup> require that each state receiving funds shall submit to the U.S. Department of Health and Human Services a report of "the number and income level of the households which apply and the number which are assisted with LIHEAP funds; and the number of households so assisted with one or more members who attained 60 years of age; one or more members who were disabled; and one or more young children."</p> <p>Additionally, the Governmental Accountability Office (GAO) states that government managers have a fundamental responsibility for "ensuring that management and financial information is reliable and properly reported."<sup>49</sup></p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services. CFDA (title): 93.568 (Low-Income Home Energy Assistance Program); Federal Award Number (award period): G-15B1NCLIEA (October 1, 2015 – September 30, 2017).</p> <p><i>Recommendation:</i> Department management should develop written procedures on how the household data should be accumulated and reconciled for completeness and accuracy as well as establish a detailed supervisory review and approval process of the report and the underlying data before it is submitted.</p> <p><i>Agency Response:</i> The Department agrees with the finding and is currently in the process of developing detailed procedures to address the issues going forward.</p>

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<sup>48</sup> 42 USC 8624(c)(1)(G)<sup>49</sup> GAO, Government Auditing Standards; Appendix 1; 2011 Revision

**93.575 CHILD CARE AND DEVELOPMENT FUND BLOCK GRANT****III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

	Type of Finding/ Questioned Costs	Findings and Recommendations
2018-024	Subrecipient <u>Monitoring:</u>  Significant Deficiency	<p><u>Federal Award Information Was Not Included In Subaward</u></p> <p>The Department did not communicate all the required federal award information when awarding funds to subrecipients of the Child Care Development Fund Cluster (CCDF). During the audit period, the Department provided \$2.6 million in CCDF funding to North Carolina Public Schools and Partnerships for Children to provide high-quality pre-kindergarten services.</p> <p>The Department awarded funds to 79 pre-kindergarten subrecipients during the audit period, using contracts to communicate the federal award information. Out of a sample of 16 contracts, eight (50%) did not include the following federal award information:</p> <ul style="list-style-type: none"> <li>• Subrecipients unique entity identifier</li> <li>• Federal Award Identification Number (FAIN)</li> <li>• Federal award date</li> <li>• Federal awarding agency</li> <li>• CFDA name and number</li> <li>• Identification of whether the award is research and development</li> <li>• Indirect cost rate for the federal award</li> </ul> <p>Not communicating all the required federal award information increases the risk that CCDF funds would not be used in accordance with the federal requirements.</p> <p>According to the Department, the information was not included in the pre-kindergarten contracts because it was not aware of the requirement. The Department only included the federal award information in the contract if the amount of federal funding equaled or exceeded \$25,000. The subrecipients were awarded less than \$25,000 in all the errors identified.</p> <p>There were an additional 29 pre-kindergarten contracts where the amount of the federal funding was less than \$25,000 and part of the federal award information was omitted.</p>

**93.575 CHILD CARE AND DEVELOPMENT FUND BLOCK GRANT** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Federal regulations<sup>50</sup> require the Department to identify the award as a subaward and include specific federal award information at the time of the subaward.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.575 (Child Care and Development Fund Block Grant); Federal Award Number (award period): G1701NCCCDF (October 1, 2016 – September 30, 2019).</p> <p><i>Recommendation:</i> Department management should ensure that staff responsible for managing the grant have a clear understanding of the federal regulations, and should include all of the required federal award information in all contracts with their subrecipients.</p> <p><i>Agency Response:</i> The Department agrees with the finding. The Department revised its current practice and is now notifying all subrecipients of all required federal award information.</p>

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<sup>50</sup> 2 CFR section 200.331(a)(1) – provides the complete list of the required information that should be identified to the subrecipient at the time of the award.

**93.778 MEDICAL ASSISTANCE PROGRAM****III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
2018-025 <u>Activities Allowed or Unallowed:</u>  Significant Deficiency  <u>Allowable Cost/ Costs Principles:</u>  Significant Deficiency  <u>Eligibility:</u>  Significant Deficiency  Questioned Cost Finding  \$4,222	<u>Errors in Medicaid Provider Billing and Payment Process</u>  The Department made an estimated \$71.7 million net overpayment to Medicaid providers during state fiscal year 2018. During that period, the Department processed more than 84 million payments for fee-for-service claims totaling \$7.93 billion.  Auditors reviewed 726 fee-for-service payments totaling approximately \$45.9 million <sup>51</sup> and identified 14 (1.9%) payments that contained errors. Specifically:  <ul style="list-style-type: none"> <li>• Ten (1.4%) claims lacked documentation to support the services rendered by the provider. The result was a net overpayment of \$6,112 (federal share \$4,131).</li> <li>• Four (.5%) claims contained medical coding errors which impacted payment calculation. The result was a net underpayment of \$7,882 (federal share \$5,272).</li> </ul> <p>As a result, the Department overpaid an estimated \$71.7 million<sup>52</sup> that could have been used to provide additional services to other eligible beneficiaries or reduce overall program costs. Additionally, the overpayments of \$6,248 (federal share \$4,222) found in the sample are being questioned.<sup>53</sup></p> <p>According to the Department, the documentation and coding errors were due to clerical errors and inadequate documentation being kept by the health care providers.</p> <p>Federal regulations<sup>54</sup> require costs to be adequately documented; authorized; necessary and reasonable; and be consistent with program regulations that apply to the federal award. Additionally, providers sign an agreement<sup>55</sup> that</p>

<sup>51</sup> The 726 items reviewed included 29 items that were deemed significant. These items were tested 100% and removed from the population. The other 697 items were selected from the remaining population using stratified variable sampling.

<sup>52</sup> Auditors used stratified sampling to calculate the most likely error of \$71.7 million in overpayments. The largest underpayment was found in the significant items, which represented only 4% of total fee-for-service claims tested. Errors identified for these items are not projected to the population. All of the overpayment errors were found in the remaining population from which the sample was taken and were projected into the sampled population. When the known overpayment of \$6,248 found in the sample is projected to the sampled population, the likely total errors are \$71.7 million.

<sup>53</sup> When the errors are evaluated at a 90% confidence interval, the results are unlikely to be less than an underpayment of \$175 million or more than an overpayment of \$319 million.

<sup>54</sup> 2 CFR 200.403

<sup>55</sup> In accordance with 42 CFR 431.107

**93.778 MEDICAL ASSISTANCE PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>requires them to maintain records disclosing the extent of services furnished to recipients and, on request, furnish the records to the Department.</p> <p>This finding was previously reported in the 2017 Statewide Single Audit as finding number 2017-024.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Number (award period): 05-1705NC5MAP (October 1, 2016 to September 30, 2017) and 05-1805NC5MAP (October 1, 2017 to September 30, 2018).</p> <p><i>Recommendation:</i> Department management should analyze each error and take immediate and appropriate corrective action including, but not limited to, education of providers and on-site or focused reviews.</p> <p>Identified over and underpaid claims should be followed-up for timely and appropriate collection or payment.</p> <p><i>Agency Response:</i> The Department agrees with the finding. The Department routinely provides education to providers which details compliance requirements for federal, state and local regulatory rules and/or laws.</p> <p>The Department will reiterate to providers the requirement to maintain proper documentation to support the medical necessity and coding of services billed to the Medicaid Program. The Department delivers ongoing education via the monthly Medicaid Bulletin, NC Tracks Provider Portal and other communication venues. The Department will review the claim errors cited in the report to determine which errors may be resolved by requiring additional documentation from the providers. Appropriate recoupment efforts will be made as necessary.</p>
2018-026 <u>Allowable Cost/ Costs Principles:</u>  Significant Deficiency  <u>Special Tests and Provisions:</u>  Significant Deficiency	<p><u>Lack of Quality Assurance Reviews Increased Risk of Undetected Payment Errors</u></p> <p>The NC Department of Health and Human Services (Department) did not adequately monitor the work of some of its contractors that help ensure Medicaid services are medically necessary and payments are not fraudulent. The Department paid approximately \$11.4 billion to 19,247 providers during the fiscal year ended June 30, 2018.</p> <p>First, the Department did not perform quality assurance reviews of the work that General Dynamics Information Technology (GDIT, formerly CSRA) performed.</p>

**93.778 MEDICAL ASSISTANCE PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>In part, GDIT was contracted to perform prior approvals of certain Medicaid services,<sup>56</sup> products, and procedures to verify documentation of medical necessity.</p> <p>Second, the Department did not consistently follow its plan for quality assurance reviews of the Local Management Entity-Managed Care Organizations (LME-MCOs).<sup>57</sup> LME-MCOs are contractually required to have a program integrity function to look for fraud in their programs and report cases to the Department and law enforcement, as necessary. The Department's plan required it to review cases closed, but not referred to the Department, by the LME-MCO's program integrity function on a sample basis to ensure that the LME-MCO made the correct decision.</p> <p>Each quarter, the Department was required to review 20% (or no less than 2) of the cases closed by each LME-MCO's program integrity function but not referred to the Department. However, the Department failed to review the required amount for the first 2 quarters of the audit period at some of the LME-MCOs. Out of 7 LME-MCOs reviewed each quarter, the Department's monitoring consisted of:</p> <ul style="list-style-type: none"> <li>Quarter 1 – reviewed less than 20% of cases at 4 LME-MCOs (from 11%-19%).</li> <li>Quarter 2 – reviewed less than 20% of cases at 2 LME-MCOs (from 17%-19%).</li> </ul> <p>Because the Department did not perform adequate quality assurance reviews, there was an increased risk that errors (i.e. services rendered that would have been denied or payments made for fraudulent claims) occurred and remained undetected. Without adequate reviews, the Department did not have reasonable assurance that the contractors effectively reviewed claims and identified payment errors.</p> <p>According to Department management, the lack of monitoring occurred for two reasons.</p>

<sup>56</sup> Services for which prior approvals are required include medical, surgical, pharmacy, durable medical equipment, dental services, and long-term services and support.

<sup>57</sup> LME-MCOs are quasi-governmental entities that contract with the Department to provide management and oversight of the public system of mental health, developmental disabilities, and substance abuse services at the community level.

**93.778 MEDICAL ASSISTANCE PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>First, monitoring of GDIT did not occur because the Department did not have written procedures for quality assurance reviews of contractors who perform prior approvals.</p> <p>Second, monitoring of LME-MCOs was inadequate because the Department lost its statistician. The statistician was responsible for selecting case files for quality assurance reviews. With the statistician gone, the Department did not have anyone who understood sampling methodology used to select case file for review. This also delayed the implementation of the monitoring plan until January 2018, retroactive to July 1, 2017.</p> <p>In accordance with Session Law 2010-194, the NC Department of Administration has established rules and regulations which specify the manner in which State agencies shall monitor and enforce the terms of contracts. The State's Contract and Procurement Office's Contract Administration Guide (Guide) includes a Contract Monitoring Checklist which states that it is the responsibility of each agency to ensure all contractual obligations are met and that contract monitoring is documented.<sup>58</sup></p> <p>Furthermore, federal regulations<sup>59</sup> require the Department to "establish and maintain effective internal control over the federal award that provides reasonable assurance that the Department is managing the program in compliance with federal statutes, regulation, and the terms and conditions of the federal award." The ongoing quality assurance reviews would be an effective control over compliance.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Number (award period): 05-1705NC5MAP (October 1, 2016 to September 30, 2017) and 05-1805NC5MAP (October 1, 2017 to September 30, 2018).</p> <p><i>Recommendation:</i> Department management should develop and implement standardized contract monitoring policies and procedures to ensure that all prior approval contractors are monitored and are making decisions based on the need, reducing the risk of unnecessary Medicaid expenditures.</p> <p>In addition, Department management should document the sampling methodology so that it is available to other employees in the future. The</p>

<sup>58</sup> <https://files.nc.gov/ncdoa/pandc/Documents/Contract-Administration-and-Monitoring-Guide/Contract-Administration-Guide.pdf>

<sup>59</sup> 2 CFR 200.303 - Internal controls.

**93.778 MEDICAL ASSISTANCE PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>Department should train other employees to perform the sampling plan or develop other contingency plans to ensure that ongoing quality assurance reviews can be performed.</p> <p><i>Agency Response:</i> The Department agrees with this finding. The Department utilizes six vendors to perform prior approvals/assessments for the relevant services covered by North Carolina Medicaid. Monitoring procedures were not in place for one of the six vendors as noted by the State Auditor. NC Medicaid will implement a quarterly monitoring plan for GDIT utilizing a random sample of claims to be evaluated for proper prior approval treatment to ensure the vendor is following direct prior approval (PA) policy guidelines.</p> <p>While the transition of the statistician role delayed the completion of the quality assurance reviews of LME/MCOs closed cases for quarters' one and two of State Fiscal Year 2018, the inadequate sample sizes were due to staff failing to replace sample items when an item was deemed to not meet the criteria for testing. The Department enhanced the sampling methodology documentation and provided training to appropriate staff on November 3, 2017 to ensure adequate coverage for sampling needs. Additionally, the Department will enhance the LME/MCO quality assurance review procedures to ensure executed sample sizes meet the 20% threshold as noted in the Department's quality assurance review guidelines. The enhanced procedures will include a control to ensure a sufficient number of cases are reviewed.</p>
2018-027 <u>Allowable Cost/ Costs Principles:</u>  Significant Deficiency  <u>Special Tests and Provisions:</u>  Significant Deficiency	<p><u>Inadequate Monitoring of Third Party Contractor</u></p> <p>The results of our audit disclosed a security deficiency considered reportable under generally accepted <i>Government Auditing Standards</i>. These deficiencies are reported to the Department by separate letter in accordance with these standards. These items should be kept confidential as provided by <i>North Carolina General Statute 132-6.1(c)</i>.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Number (award period): 05-1705NC5MAP (October 1, 2016 to September 30, 2017) and 05-1805NC5MAP (October 1, 2017 to September 30, 2018).</p> <p><i>Agency Response:</i> The Department is committed to maintaining adequate information security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions have been detailed in a response separately</p>



**93.778 MEDICAL ASSISTANCE PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
2018-028	submitted to the State Auditor. Security risks are given the highest priority by the Department and corrective actions will be monitored.
<u>Eligibility:</u>	<u>Deficiencies in Eligibility Determination Process</u>
Material Noncompliance	The Department made a projected \$29.1 million <sup>60</sup> in Medical Assistance Program (Medicaid) payments for ineligible beneficiaries due to inaccurate and inadequately documented eligibility determinations. During the audit period, approximately 2 million beneficiaries received \$11.4 billion in Medicaid benefits.
Material Weakness	The task of determining Medicaid eligibility has been delegated to the county departments of social services (DSS). <sup>61</sup> However, the Department was responsible for ensuring compliance with the eligibility requirements.
Questioned Cost Finding \$4,229	<p>Auditors reviewed the client files for a statistical sample of 9,600 paid claims<sup>62</sup> and found one or more errors in 532 (5.54%) paid claims. Specifically:</p> <ul style="list-style-type: none"> <li>466 (4.85%) paid claims were associated with client files that were missing some of the required eligibility documentation. Examples of missing information included proof of residency, online verification documentation, and inaccurate income calculations. However, auditors obtained updated information and determined that the beneficiaries were eligible.</li> <li>66 (0.69%) paid claims were associated with client files that contained ineligible beneficiaries during the coverage period. In these client files, errors included incorrect certification periods,<sup>63</sup> inaccurate eligibility determination calculations, inaccurate program certifications, and untimely termination. Payments totaling \$6,268 (federal share \$4,229) were made on behalf of these ineligible beneficiaries.</li> </ul> <p>As a result, the Department paid a projected \$29.1 million in error that could have been used to provide services for eligible beneficiaries.</p> <p>The errors were made for two reasons.</p>

<sup>60</sup> When the known error is projected to the entire population, the likely total error is \$29.1 million. When the errors are evaluated at a 95% confidence interval, the results are unlikely to be less than \$15.4 million or more than \$42.7 million.

<sup>61</sup> *North Carolina General Statute* §108A-25(b)

<sup>62</sup> Auditors selected 96 paid claims from each of the 100 counties.

<sup>63</sup> The certification period is the continuous eligibility period for which the participant is considered eligible for services.

**93.778 MEDICAL ASSISTANCE PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p>First, the Department did not perform monitoring activities between October 2017 and June 2018 of county DSS eligibility determinations.</p> <p>Second, the Department provided eligibility determination training to county DSS personnel that was neither mandatory nor sufficient to ensure consistent and accurate eligibility determinations.</p> <p>These two procedural weaknesses existed despite the Department's awareness of deficiencies in the eligibility determination process. As auditors reported in January 2017,<sup>64</sup> county DSS eligibility error rates ranged between 1.2% and 18.8% for new eligibility determinations and 1.2% and 23.2% for eligibility redeterminations.</p> <p>Additionally, the procedural weaknesses existed despite the Department's awareness that the Legislature had addressed Medicaid eligibility errors. The North Carolina General Assembly enacted <i>North Carolina Session Law 2017-57</i>,<sup>65</sup> which required the Department to establish accuracy standards, monitor quality, and audit the county eligibility determinations.</p> <p>Federal regulations<sup>66</sup> require that the Department, or its designee, determine client eligibility for all individuals applying for or receiving benefits in accordance with eligibility requirements defined in the approved State plan.</p> <p>Further, federal regulations<sup>67</sup> require that documentation be obtained as needed to determine if a beneficiary meets specific income standards and documentation must be maintained to support eligibility determinations.</p> <p>This finding was previously reported in the 2017 Statewide Single Audit Report as finding number 2017-030.</p> <p><i>Federal Award Information:</i> Federal Awarding Agency: U.S. Department of Health and Human Services; CFDA Number (title): 93.778 (Medical Assistance Program (Medicaid; Title XIX)); Federal Award Number (award period): 05-1705NC5MAP (October 1, 2016 to September 30, 2017) and 05-1805NC5MAP (October 1, 2017 to September 30, 2018).</p>

<sup>64</sup> Office of the State Auditor, North Carolina Medicaid Program Recipient Eligibility Determination, January 2017<sup>65</sup> Section 11H.22(b)<sup>66</sup> 42 CFR 431.10(b)(3)<sup>67</sup> 42 CFR 435

**93.778 MEDICAL ASSISTANCE PROGRAM** (continued)**III. Federal Award Findings and Questioned Costs**

U.S. Department of Health and Human Services

N.C. Department of Health and Human Services

For the Fiscal Year Ended June 30, 2018

Type of Finding/ Questioned Costs	Findings and Recommendations
	<p><i>Recommendation:</i> Department management should ensure eligibility determinations are performed accurately and are adequately documented. Specifically:</p> <ul style="list-style-type: none"> <li>• Department management should monitor county DSS eligibility determinations to ensure that eligibility determinations are accurate and supporting documentation is maintained in the client files.</li> <li>• Department management should develop and provide mandatory additional training on eligibility determinations and documentation to the county DSS.</li> </ul> <p><i>Agency Response:</i> The Department agrees with the identified errors and while the 2018 ineligible error rate of .69% decreased from the 2017 error rate of .92% (an approximate 20% improvement), the Department continues to work diligently to further reduce this rate, noting it is within the acceptable range established in G.S. 108A-70.47. Of the 100 counties reviewed, only thirty-seven (37) had an ineligible determination and only three (3) had an error rate which exceeded the established accuracy rate for ineligible determinations.</p> <p>Following the issuance of the Auditor's January 2017 report on county DSS eligibility error rates, the Department took several steps to enhance training and monitoring of county eligibility determinations including strengthening the county second party review process and implementing NC FAST certifications. The Department continues to provide Medicaid eligibility training to county DSS staff through the Medicaid Eligibility Support Team cluster meetings and the NC FAST Learning Gateway. The Department will implement mandatory Medicaid policy training and certification through the NC FAST system for all county caseworkers that input Medicaid data or make Medicaid eligibility determinations. The Department will continue to ensure collaboration between the state Division of Social Services, Division of Health Benefits, and NC FAST to provide and enhance program support, policy guidance, training, onsite consultations and technical assistance regarding Medicaid eligibility determinations to county DSS staff. Additionally, the Department has fully implemented the requirements of North Carolina Session Law 2017-57 regarding the monitoring of Medicaid eligibility determinations.</p> <p>The Department acknowledges that some county eligibility monitoring activities were temporarily delayed due to system issues. The Medicaid Quality Control Sample Portal tool, designed through the NC FAST eligibility system to generate random Medicaid eligibility samples utilized for monitoring and audit efforts, encountered defects which took some time to resolve. In June 2018, the system defects were corrected, and the Department resumed the monitoring activities retroactively to October 2017.</p>

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**Summary of Findings and Questioned Costs**

**Summary of Findings and Questioned Costs  
By Federal Agency**

For the Fiscal Year Ended June 30, 2018

Federal Agency	CFDA	Finding Number	Finding	Questioned Costs
U.S. Department of Agriculture:	10.553	2018-001	Inadequate Subrecipient Monitoring	\$ -
	10.555	2018-002	Inadequate Subrecipient Monitoring	-
	10.556	2018-003	Inadequate Subrecipient Monitoring	-
	10.559	2018-004	Inadequate Subrecipient Monitoring	-
Total Federal Agency				-
U.S. Department of Housing and Urban Development:	14.228	2018-005	Inadequate Subrecipient Monitoring	-
Total Federal Agency				-
U.S. Department of Justice:	16.575	2018-006	Governor's Crime Commission Did Not Adequately Monitor Subrecipients	291,507
Total Federal Agency				291,507
U.S. Department of Transportation:	20.106	2018-007	Federal Financial Reports Incomplete	-
		2018-008	No Monitoring of \$20.5 Million in Airport Revenue	-
		2018-009	Inadequate Monitoring of Subrecipients	-
	20.205	2018-010	Expenditures Incurred Prior to Project Authorization	18,801
		2018-011	Review Procedures Failed to Ensure Contractor Compliance With Federal Pay Rates	-
Total Federal Agency				18,801
U.S. Department of Education:	84.007	2018-012	Untimely Return of Title IV Funds	-
		2018-013	Errors in Return of Title IV Funds	-

**Summary of Findings and Questioned Costs  
By Federal Agency**

For the Fiscal Year Ended June 30, 2018

Federal Agency	CFDA	Finding Number	Finding	Questioned Costs	
U.S. Department of Education: (continued)	84.031	2018-014	The University Did Not Consistently Verify Whether Vendors Were Suspended or Debarred	-	
				-	
	84.063	2018-015 2018-016 2018-017 2018-018 2018-019	Enrollment Status Reporting Errors Enrollment Status Reporting Errors Enrollment Status Reporting Errors Untimely Return of Title IV Funds Errors in Return of Title IV Funds	-	
				-	
				-	
				-	
				-	
	84.268	2018-020 2018-021	Enrollment Status Reporting Errors Errors in Return of Title IV Funds	-	
				-	
	84.365	2018-022	Funds Used for Activities Performed Outside the Award Period	42,195	
				42,195	
	Total Federal Agency			42,195	
	U.S. Department of Health and Human Services:	93.568	2018-023	Inaccurate Household Information Reported to Federal Government	-
					-
		93.575	2018-024	Federal Award Information Was Not Included in Subaward	-
-					
93.778		2018-025 2018-026 2018-027 2018-028	Errors in Medicaid Provider Billing and Payment Process Lack of Quality Assurance Reviews Increased Risk of Undetected Payment Errors Inadequate Monitoring of Third Party Contractor Deficiencies in Eligibility Determination Process	4,222	
				-	
				-	
				4,229	
Total Federal Agency			8,451		
Total Questioned Costs			\$ 360,954		

**Summary of Findings and Questioned Costs  
By State Agency**

For the Fiscal Year Ended June 30, 2018

State Agency		Finding Numbers	Questioned Costs
Carteret Community College:	1 Enrollment Status Reporting Errors	2018-015	\$ -
		Total State Agency	-
Environmental Quality:	2 Inadequate Subrecipient Monitoring	2018-005	-
		Total State Agency	-
Health and Human Services:	3 Inaccurate Household Information Reported to Federal Government	2018-023	-
	4 Federal Award Information Was Not Included in Subaward	2018-024	-
	5 Errors in Medicaid Provider Billing and Payment Process	2018-025	4,222
	6 Lack of Quality Assurance Reviews Increased Risk of Undetected Payment Errors	2018-026	-
	7 Inadequate Monitoring of Third Party Contractor	2018-027	-
	8 Deficiencies in Eligibility Determination Process	2018-028	4,229
		Total State Agency	8,451
North Carolina Central University:	9 Enrollment Status Reporting Errors	2018-016, 2018-020	-
		Total State Agency	-
Public Instruction:	10 Inadequate Subrecipient Monitoring	2018-001, 2018-002, 2018-003, 2018-004	-
	11 Funds Used for Activities Performed Outside the Award Period	2018-022	42,195
		Total State Agency	42,195
Public Safety:	12 Governor's Crime Commission Did Not Adequately Monitor Subrecipients	2017-006	291,507
		Total State Agency	291,507
Randolph Community College:	13 Untimely Return of Title IV Funds	2018-012, 2018-018	-



**Summary of Findings and Questioned Costs  
By State Agency**

For the Fiscal Year Ended June 30, 2018

State Agency		Finding Numbers	Questioned Costs
Randolph Community College: (continued)	14 Enrollment Status Reporting Errors	2018-017	-
		Total State Agency	-
Transportation:	15 Federal Financial Reports Incomplete	2018-007	-
	16 No Monitoring of \$20.5 Million in Airport Revenue	2018-008	-
	17 Inadequate Monitoring of Subrecipients	2018-009	-
	18 Expenditures Incurred Prior to Project Authorization	2018-010	18,801
	19 Review Procedures Failed to Ensure Contractor Compliance With Federal Pay Rates	2018-011	-
		Total State Agency	18,801
University of North Carolina at Pembroke:	20 Errors in Return of Title IV Funds	2018-013, 2018-019, 2018-021	-
		Total State Agency	-
Winston-Salem State University:	21 The University Did Not Consistently Verify Whether Vendors Were Suspended or Debarred	2018-014	-
		Total State Agency	-
Total Questioned Costs			\$ 360,954

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## **AUDITEE'S SECTION**

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**Schedule of Expenditures of Federal Awards  
For the Year Ended June 30, 2018**

**Prepared by  
Office of the State Controller**

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>				
<b>CFDA</b>	<b>Program</b>	<b>Subrecipient</b>		
<b>Number</b>	<b>Expenditures</b>	<b>Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>	
AGEC	\$ 32,458,708	\$ 30,759,066	Aging Cluster	
CCDF	275,235,219	67,230,894	CCDF Cluster	
CDBG	8,957		CDBG - Entitlement Grants Cluster	
CHNC	591,398,072	591,023,515	Child Nutrition Cluster	
CWSR	24,162,886	22,970,880	Clean Water State Revolving Fund Cluster	
DISI	59,105,497		Disability Insurance/SSI Cluster	
DWSR	20,705,748	14,899,785	Drinking Water State Revolving Fund Cluster	
EFAC	19,890,766	17,248,894	Food Distribution Cluster	
EMPS	29,342,431		Employment Service Cluster	
F&WC	31,228,482	361,908	Fish and Wildlife Cluster	
FEDT	2,165,510	2,149,161	Federal Transit Cluster	
FGSC	621,607		Foster Grandparent/Senior Companion Cluster	
HCCL	3,385,152	2,470,289	Health Center Program Cluster	
HPCC	1,143,277,741	55,488,775	Highway Planning and Construction Cluster	
HVCL	4,646,161	4,134,429	Housing Voucher Cluster	
HWSC	13,164,133	3,466,268	Highway Safety Cluster	
MEDC	9,449,339,253	237,354,349	Medicaid Cluster	
MIECHV	3,388,894	2,205,543	Maternal, Infant, and Early Childhood Home Visiting Cluster	
PWED	143,930		Economic Development Cluster	
RD	936,052,511	129,740,830	Research and Development Cluster	
SFAC	2,222,582,765		Student Financial Assistance Programs	
SNAP	2,024,538,479	99,674,918	SNAP Cluster	
SPED	354,585,457	345,268,316	Special Education Cluster (IDEA)	
TANF	234,224,880	187,382,047	TANF Cluster	
TRIO	18,793,578	3,634	TRIO Cluster	
TSPC	8,822,089	7,711,518	Transit Services Programs Cluster	
WIOA	89,939,060	67,544,791	WIOA Cluster	
10.001	14,509		Agricultural Research Basic and Applied Research	
10.025	1,757,565		Plant and Animal Disease, Pest Control, and Animal Care	
10.028	19,389		Wildlife Services	
10.153	53,835		Market News	
10.163	245,473	175,873	Market Protection and Promotion	
10.170	968,077	937,419	Specialty Crop Block Grant Program - Farm Bill	
10.172	29,074		Local Food Promotion Program	
10.203	298,560		Payments to Agricultural Experiment Stations Under the Hatch Act	
10.205	-4,293		Payments to 1890 Land-Grant Colleges and Tuskegee University	
10.206	3,847,317	48,184	Grants for Agricultural Research Competitive Research Grants	
10.212	4,997		Small Business Innovation Research	
10.215	70,728	19,256	Sustainable Agriculture Research and Education	
10.216	212,909		1890 Institution Capacity Building Grants	
10.217	112,306		Higher Education - Institution Challenge Grants Program	
10.220	34,481		Higher Education - Multicultural Scholars Grant Program	
10.225	5,489		Community Food Projects	
10.250	99,214		Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations	
10.253	67,649		Consumer Data and Nutrition Research	
10.290	28,288	8,754	Agricultural Market and Economic Research	
10.303	287		Integrated Programs	
10.304	67,257		Homeland Security Agricultural	
10.310	598,291	12,714	Agriculture and Food Research Initiative (AFRI)	
10.311	41,395	-9,154	Beginning Farmer and Rancher Development Program	
10.318	10		Women and Minorities in Science, Technology, Engineering, and Mathematics Fields	
10.328	9,710		National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	
10.329	1,160,687	363,507	Crop Protection and Pest Management Competitive Grants Program	
10.351	11,742		Rural Business Development Grant	
10.435	113,703		State Mediation Grants	
10.443	98,234	17,729	Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers	
10.475	4,443,518		Cooperative Agreements with States for Intrastate Meat and Poultry Inspection	
10.479	98,324		Food Safety Cooperative Agreements	
10.500	2,894,803	254,434	Cooperative Extension Service	
10.544	2,132		Healthy Body Healthy Spirit	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
10.545	42,290		Farmers' Market Supplemental Nutrition Assistance Program Support Grants
10.547	62,345		Professional Standards for School Nutrition Employees
10.557	168,973,068	47,256,343	WIC Special Supplemental Nutrition Program for Women, Infants, and Children
10.558	101,879,414	100,440,932	Child and Adult Care Food Program
10.560	8,485,526		State Administrative Expenses for Child Nutrition
10.572	119,786		WIC Farmers' Market Nutrition Program (FMNP)
10.575	4,964		Farm to School Grant Program
10.576	63,482	56,655	Senior Farmers Market Nutrition Program
10.577	65,716		SNAP Partnership Grant
10.578	3,672,919		WIC Grants To States (WGS)
10.579	1,134,353	1,134,353	Child Nutrition Discretionary Grants Limited Availability
10.582	3,776,712	3,680,517	Fresh Fruit and Vegetable Program
10.652	946,109	24,081	Forestry Research
10.664	3,163,142	487,571	Cooperative Forestry Assistance
10.674	81,929		Wood Utilization Assistance
10.676	16,922		Forest Legacy Program
10.678	51,899		Forest Stewardship Program
10.680	476,900	38,178	Forest Health Protection
10.684	11,416		International Forestry Programs
10.691	33,484		Good Neighbor Authority
10.699	294,633		Partnership Agreements
10.762	48,802		Solid Waste Management Grants
10.855	218,610		Distance Learning and Telemedicine Loans and Grants
10.868	25,333		Rural Energy for America Program
10.890	21,868		Rural Development Cooperative Agreement Program
10.902	591,223		Soil and Water Conservation
10.903	35,055		Soil Survey
10.912	694,100	284,851	Environmental Quality Incentives Program
10.960	17,535		Technical Agricultural Assistance
10.962	214,911		Cochran Fellowship Program-International Training-Foreign Participant
10.U01	805,653		U. S. Department of Agriculture
10.U02	19,542		U. S. Department of Agriculture
10.U03	4,587		U. S. Department of Agriculture
10.U04	10,648		U. S. Department of Agriculture
10.U05	1,314		U. S. Department of Agriculture
10.U06	-791		U. S. Department of Agriculture
10.U07	34,705		U. S. Department of Agriculture
10.U08	6,344		U. S. Department of Agriculture
10.U09	6,934		U. S. Department of Agriculture
11.020	104,886		Cluster Grants
11.303	187,565		Economic Development Technical Assistance
11.312	29,751		Research and Evaluation Program
11.417	334,807	50,488	Sea Grant Support
11.427	34,808	22,864	Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program
11.431	77,954	18,462	Climate and Atmospheric Research
11.433	39,336	37,895	Marine Fisheries Initiative
11.435	93,654		Southeast Area Monitoring and Assessment Program
11.439	87,623		Marine Mammal Data Program
11.440	3,448		Environmental Sciences, Applications, Data, and Education
11.457	35,675		Chesapeake Bay Studies
11.459	33,560		Weather and Air Quality Research
11.468	69,253	24,149	Applied Meteorological Research
11.472	78,007	7,007	Unallied Science Program
11.474	8,674		Atlantic Coastal Fisheries Cooperative Management Act
11.478	74,285		Center for Sponsored Coastal Ocean Research Coastal Ocean Program
11.549	152,857		State and Local Implementation Grant Program
11.609	105,034		Measurement and Engineering Research and Standards
11.611	3,834,929	941,982	Manufacturing Extension Partnership
11.619	10,711		Arrangements for Interdisciplinary Research Infrastructure
11.620	67,729		Science, Technology, Business and/or Education Outreach
11.999	35,468		Marine Debris Program
11.U01	531		U. S. Department of Commerce

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
11.U02	22,369		U. S. Department of Commerce
12.002	425,764		Procurement Technical Assistance For Business Firms
12.110	5,000		Planning Assistance to States
12.300	1,751,555	46,352	Basic and Applied Scientific Research
12.401	27,163,454		National Guard Military Operations and Maintenance (O&M) Projects
12.404	6,183,636		National Guard Challenge Program
12.420	165,033	48,525	Military Medical Research and Development
12.431	975,335	163,839	Basic Scientific Research
12.556	33,394		Competitive Grants: Promoting K-12 Student Achievement at Military-Connected Schools
12.579	960,860		Language Training Center
12.610	13,236		Community Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies
12.617	1,448,450	100,916	Economic Adjustment Assistance for State Governments
12.630	1,205,455		Basic, Applied, and Advanced Research in Science and Engineering
12.632	35,449		Legacy Resource Management Program
12.800	68,712		Air Force Defense Research Sciences Program
12.901	13,489		Mathematical Sciences Grants
12.902	362,813		Information Security Grants
12.903	150,691		GenCyber Grants Program
12.905	113,501		CyberSecurity Core Curriculum
12.910	108,420		Research and Technology Development
12.U01	1,363,169		U. S. Department of Defense
12.U02	144,334		U. S. Department of Defense
12.U03	64,776		U. S. Department of Defense
12.U04	20,000		U. S. Department of Defense
12.U05	11,250		U. S. Department of Defense
12.U06	2,880		U. S. Department of Defense
12.U07	1,610		U. S. Department of Defense
12.U08	95,404		U. S. Department of Defense
12.U09	89,970		U. S. Department of Defense
12.U10	12,884		U. S. Department of Defense
12.U11	248,859		U. S. Department of Defense
12.U12	67,996		U. S. Department of Defense
12.U13	15,275		U. S. Department of Defense
12.U14	267,499		U. S. Department of Defense
12.U15	2,616		U. S. Department of Defense
12.U16	78,263		U. S. Department of Defense
12.U17	175,854		U. S. Department of Defense
12.U18	9,120		U. S. Department of Defense
12.U19	95,612		U. S. Department of Defense
12.U20	27,788		U. S. Department of Defense
12.U21	40,603		U. S. Department of Defense
12.U22	21,112		U. S. Department of Defense
12.U23	10,626		U. S. Department of Defense
12.U24	70,920		U. S. Department of Defense
12.U25	24,614		U. S. Department of Defense
12.U26	16,926		U. S. Department of Defense
14.169	2,849		Housing Counseling Assistance Program
14.171	28,539		Manufactured Home Dispute Resolution
14.228	48,364,990	47,324,056	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii
14.231	5,694,528	5,337,916	Emergency Solutions Grant Program
14.241	2,031,670	440,506	Housing Opportunities for Persons with AIDS
14.401	138,377		Fair Housing Assistance Program State and Local
14.520	-33,245		Historically Black Colleges and Universities Program
15.231	64		Fish, Wildlife and Plant Conservation Resource Management
15.424	96,367		Marine Minerals Activities
15.608	80,280		Fish and Wildlife Management Assistance
15.615	549,736	50,392	Cooperative Endangered Species Conservation Fund
15.616	30,537	9,861	Clean Vessel Act
15.626	254,898		Enhanced Hunter Education and Safety
15.634	1,889,829	161,460	State Wildlife Grants
15.650	85,312	7,958	Research Grants (Generic)
15.657	116,126	30,471	Endangered Species Conservation - Recovery Implementation Funds
15.663	38,240	25,000	National Fish and Wildlife Foundation



**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
15.669	44,777		Cooperative Landscape Conservation
15.670	19,695		Adaptive Science
15.674	2,019		National Fire Plan-Wildland Urban Interface Community Fire Assistance
15.678	67,083		Cooperative Ecosystem Studies Units
15.805	44		Assistance to State Water Resources Research Institutes
15.808	29,176		U.S. Geological Survey Research and Data Collection
15.810	924		National Cooperative Geologic Mapping
15.814	7,844		National Geological and Geophysical Data Preservation
15.815	3,385		National Land Remote Sensing Education Outreach and Research
15.817	10,988		National Geospatial Program: Building The National Map
15.904	1,022,774	116,342	Historic Preservation Fund Grants-In-Aid
15.916	468,747	260,986	Outdoor Recreation Acquisition, Development and Planning
15.921	2,600		Rivers, Trails and Conservation Assistance
15.923	10,007		National Center for Preservation Technology and Training
15.925	141,828	26,613	National Maritime Heritage Grants
15.931	68,321		Conservation Activities by Youth Service Organizations
15.945	333,951		Cooperative Research and Training Programs - Resources of the National Park System
15.946	4,690		Cultural Resources Management
16.017	359,730	359,730	Sexual Assault Services Formula Program
16.525	67,095		Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus
16.540	573,037	503,712	Juvenile Justice and Delinquency Prevention
16.543	288,088		Missing Children's Assistance
16.554	270,778		National Criminal History Improvement Program (NCHIP)
16.560	170,723		National Institute of Justice Research, Evaluation, and Development Project Grants
16.562	21,577		Criminal Justice Research and Development Graduate Research Fellowships
16.575	38,957,713	26,702,517	Crime Victim Assistance
16.576	2,830,780	2,516,628	Crime Victim Compensation
16.582	282,646	230,468	Crime Victim Assistance/Discretionary Grants
16.585	120,165		Drug Court Discretionary Grant Program
16.588	3,169,893	2,021,360	Violence Against Women Formula Grants
16.590	432,340		Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program
16.593	205,522		Residential Substance Abuse Treatment for State Prisoners
16.609	29,312		Project Safe Neighborhoods
16.710	63,897		Public Safety Partnership and Community Policing Grants
16.726	102,000		Juvenile Mentoring Program
16.738	3,638,609	2,247,317	Edward Byrne Memorial Justice Assistance Grant Program
16.741	144,616		DNA Backlog Reduction Program
16.742	259,368		Paul Coverdell Forensic Sciences Improvement Grant Program
16.745	-23		Criminal and Juvenile Justice and Mental Health Collaboration Program
16.750	291,318		Support for Adam Walsh Act Implementation Grant Program
16.751	99,288		Edward Byrne Memorial Competitive Grant Program
16.752	125,755		Economic, High-Tech, and Cyber Crime Prevention
16.754	4,618	4,618	Harold Rogers Prescription Drug Monitoring Program
16.758	5,675		Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers
16.812	1,164,939		Second Chance Act Reentry Initiative
16.816	44,502	44,502	John R. Justice Prosecutors and Defenders Incentive Act
16.817	92		Innovations in Community-Based Crime Reduction
16.820	169,765		Postconviction Testing of DNA Evidence
16.827	483,342		Justice Reinvestment Initiative
16.830	109,235		Girls in the Juvenile Justice System
16.922	1,069,250		Equitable Sharing Program
16.U01	191,625	119,145	U. S. Department of Justice
16.U02	55,817		U. S. Department of Justice
17.002	1,570,385		Labor Force Statistics
17.005	149,897		Compensation and Working Conditions
17.201	219,225		Registered Apprenticeship
17.225	242,153,197		Unemployment Insurance
17.235	2,113,152	1,876,908	Senior Community Service Employment Program
17.245	4,631,221		Trade Adjustment Assistance
17.265	228,180	32,938	Native American Employment and Training
17.268	1,286,025	522,737	H-1B Job Training Grants
17.271	494,669		Work Opportunity Tax Credit Program (WOTC)

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
17.273	315,517		Temporary Labor Certification for Foreign Workers
17.277	9,478,712	8,921,996	WIOA National Dislocated Worker Grants / WIA National Emergency Grants
17.281	1,778,553		WIOA Dislocated Worker National Reserve Technical Assistance and Training
17.282	1,985,460		Trade Adjustment Assistance Community College and Career Training (TAACCT) Grants
17.503	5,180,587		Occupational Safety and Health State Program
17.504	1,554,541		Consultation Agreements
17.600	72,838		Mine Health and Safety Grants
17.U01	800,564	515,759	U. S. Department of Labor
19.009	127,429	11,846	Academic Exchange Programs - Undergraduate Programs
19.015	92,923		Cultural, Technical and Educational Centers
19.021	16,089		Investing in People in The Middle East and North Africa
19.040	75,786		Public Diplomacy Programs
19.401	68,486		Academic Exchange Programs - Scholars
19.408	174,571		Academic Exchange Programs - Teachers
19.900	-67		AEECA/ESF PD Programs
19.901	12,153		Export Control and Related Border Security
20.106	22,150,479	20,245,664	Airport Improvement Program
20.200	15,600		Highway Research and Development Program
20.215	195,252		Highway Training and Education
20.218	15,843,937		Motor Carrier Safety Assistance
20.231	124,379		Performance and Registration Information Systems Management
20.232	29,087		Commercial Driver's License Program Implementation Grant
20.234	-8,237		Safety Data Improvement Program
20.235	14,747		Commercial Motor Vehicle Operator Safety Training Grants
20.237	565,790		Motor Carrier Safety Assistance High Priority Activities Grants and Cooperative Agreements
20.314	489,611		Railroad Development
20.319	32,920,038		High-Speed Rail Corridors and Intercity Passenger Rail Service - Capital Assistance Grants
20.505	2,111,211	1,755,752	Metropolitan Transportation Planning and State and Non-Metropolitan Planning and Research
20.509	26,587,079	25,461,725	Formula Grants for Rural Areas
20.527	-3		Public Transportation Emergency Relief Program
20.528	360,724		Rail Fixed Guideway Public Transportation System State Safety Oversight Formula Grant Program
20.604	18,682		Safety Incentive Grants for Use of Seatbelts
20.607	1,237,489	285,062	Alcohol Open Container Requirements
20.614	40,200		National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements
20.700	1,658,272		Pipeline Safety Program State Base Grant
20.701	1,294,957	698,241	University Transportation Centers Program
20.703	304,338	122,770	Interagency Hazardous Materials Public Sector Training and Planning Grants
20.933	3,898,071		National Infrastructure Investments
20.U01	15,992		U. S. Department of Transportation
20.U02	36,348		U. S. Department of Transportation
20.U03	156,148	1,358	U. S. Department of Transportation
20.U04	-61		U. S. Department of Transportation
20.U05	295		U. S. Department of Transportation
20.U06	10,574		U. S. Department of Transportation
21.008	143,275		Low Income Taxpayer Clinics
21.016	501,852		Equitable Sharing
23.001	393,371		Appalachian Regional Development (See individual Appalachian Programs)
23.002	15,480		Appalachian Area Development
23.011	2,085,418		Appalachian Research, Technical Assistance, and Demonstration Projects
27.011	21,533		Intergovernmental Personnel Act (IPA) Mobility Program
30.U01	64,100		U. S. Equal Employment Opportunity Commission
39.003	2,190,468		Donation of Federal Surplus Personal Property
43.001	188,319		Science
43.003	72,797		Exploration
43.007	76,397		Space Operations
43.008	1,268,484	420,427	Education
43.U01	56,250		National Aeronautics and Space Administration
43.U02	55,170		National Aeronautics and Space Administration
45.024	75,410		Promotion of the Arts Grants to Organizations and Individuals
45.025	619,706	533,798	Promotion of the Arts Partnership Agreements
45.129	4,030		Promotion of the Humanities Federal/State Partnership
45.149	14,348		Promotion of the Humanities Division of Preservation and Access

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

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<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
45.160	112,187		Promotion of the Humanities Fellowships and Stipends
45.161	121,442	10,381	Promotion of the Humanities Research
45.162	133,894		Promotion of the Humanities Teaching and Learning Resources and Curriculum Development
45.163	17,787		Promotion of the Humanities Professional Development
45.164	1,200		Promotion of the Humanities Public Programs
45.301	101,305		Museums for America
45.309	28,813		Museum Grants for African American History and Culture
45.310	4,036,732	2,535,357	Grants to States
45.312	64,561	7,058	National Leadership Grants
45.U01	6,687		Federal Council on the Arts and the Humanities
47.041	3,542,253		Engineering Grants
47.049	1,176,770	15,523	Mathematical and Physical Sciences
47.050	1,068,719	9,211	Geosciences
47.070	2,697,531	163,450	Computer and Information Science and Engineering
47.074	3,004,354	319,330	Biological Sciences
47.075	1,260,619	100,506	Social, Behavioral, and Economic Sciences
47.076	12,721,977	822,390	Education and Human Resources
47.079	31,910		Office of International Science and Engineering
47.U01	111,835		National Science Foundation
47.U02	30,750		National Science Foundation
59.037	3,390,126		Small Business Development Centers
59.044	234,065		Veterans Outreach Program
64.005	1,173,519		Grants to States for Construction of State Home Facilities
64.028	369,227		Post-9/11 Veterans Educational Assistance
64.124	356,063		All-Volunteer Force Educational Assistance
64.U01	62,518		U. S. Department of Veterans Affairs
64.U02	3,734		U. S. Department of Veterans Affairs
64.U03	14,970		U. S. Department of Veterans Affairs
66.032	181,617		State Indoor Radon Grants
66.034	37,624	19,075	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act
66.040	422,890		State Clean Diesel Grant Program
66.202	850,362		Congressionally Mandated Projects
66.204	288,861		Multipurpose Grants to States and Tribes
66.432	3,952,827		State Public Water System Supervision
66.433	109,246		State Underground Water Source Protection
66.436	14,988		Surveys, Studies, Investigations, Demonstrations, and Training Grants and Cooperative Agreements - Section 104(b)(3) of the Clean Water Act
66.454	351,974		Water Quality Management Planning
66.460	3,599,049		Nonpoint Source Implementation Grants
66.461	72,883	29,954	Regional Wetland Program Development Grants
66.462	102,597		National Wetland Program Development Grants and Five-Star Restoration Training Grant
66.472	301,208		Beach Monitoring and Notification Program Implementation Grants
66.509	19,389		Science To Achieve Results (STAR) Research Program
66.511	184,461	5,121	Office of Research and Development Consolidated Research/Training/Fellowships
66.516	14,235		P3 Award: National Student Design Competition for Sustainability
66.605	470,394		Performance Partnership Grants
66.608	53,987		Environmental Information Exchange Network Grant Program and Related Assistance
66.701	35,633		Toxic Substances Compliance Monitoring Cooperative Agreements
66.707	414,280		TSCA Title IV State Lead Grants Certification of Lead-Based Paint Professionals
66.708	46,777	13,055	Pollution Prevention Grants Program
66.716	8,997		Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, and Studies
66.801	2,279,631		Hazardous Waste Management State Program Support
66.802	1,295,932		Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements
66.804	848,009		Underground Storage Tank Prevention, Detection and Compliance Program
66.805	2,178,220		Leaking Underground Storage Tank Trust Fund Corrective Action Program
66.U01	19,945		U. S. Environmental Protection Agency
66.U02	11,460		U. S. Environmental Protection Agency
66.U03	289		U. S. Environmental Protection Agency
77.008	198,815		U. S. Nuclear Regulatory Commission Scholarship and Fellowship Program
81.042	3,557,262		Weatherization Assistance for Low-Income Persons
81.086	193,416	51,392	Conservation Research and Development
81.087	830,398	36,849	Renewable Energy Research and Development

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
81.117	443,539	6,145	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance
81.119	853,068		State Energy Program Special Projects
81.121	360,906		Nuclear Energy Research, Development and Demonstration
81.122	-121		Electricity Delivery and Energy Reliability, Research, Development and Analysis
81.135	154,455		Advanced Research Projects Agency - Energy
81.U01	21,617		U. S. Department of Energy
81.U02	307,391		U. S. Department of Energy
81.U03	25,113		U. S. Department of Energy
81.U04	10,850		U. S. Department of Energy
81.U05	32,293		U. S. Department of Energy
81.U06	283,381		U. S. Department of Energy
81.U07	35,919		U. S. Department of Energy
81.U08	53,051		U. S. Department of Energy
81.U09	10,000		U. S. Department of Energy
81.U10	9,765		U. S. Department of Energy
81.U11	35,774		U. S. Department of Energy
81.U12	46,755		U. S. Department of Energy
81.U13	4,969		U. S. Department of Energy
81.U14	34,895		U. S. Department of Energy
81.U15	21,771		U. S. Department of Energy
81.U16	37,578		U. S. Department of Energy
81.U17	35,253		U. S. Department of Energy
84.002	16,562,228	14,480,878	Adult Education - Basic Grants to States
84.010	437,701,802	433,971,651	Title I Grants to Local Educational Agencies
84.011	4,723,770	4,156,178	Migrant Education State Grant Program
84.013	724,827		Title I State Agency Program for Neglected and Delinquent Children and Youth
84.016	23,112		Undergraduate International Studies and Foreign Language Programs
84.021	54,862		Overseas Programs - Group Projects Abroad
84.031	32,935,813	76,367	Higher Education Institutional Aid
84.048	36,926,089	20,859,929	Career and Technical Education -- Basic Grants to States
84.116	3,106,361		Fund for the Improvement of Postsecondary Education
84.120	460,881		Minority Science and Engineering Improvement
84.126	99,889,348		Rehabilitation Services Vocational Rehabilitation Grants to States
84.129	590,925		Rehabilitation Long-Term Training
84.141	451,348		Migrant Education High School Equivalency Program
84.144	44,063		Migrant Education Coordination Program
84.161	413,374		Rehabilitation Services Client Assistance Program
84.169	626,841		Independent Living State Grants
84.177	1,366,033		Rehabilitation Services Independent Living Services for Older Individuals Who are Blind
84.181	14,391,219	884,497	Special Education-Grants for Infants and Families
84.187	274,911		Supported Employment Services for Individuals with the Most Significant Disabilities
84.196	1,989,434		Education for Homeless Children and Youth
84.200	449,098		Graduate Assistance in Areas of National Need
84.215	5,422		Fund for the Improvement of Education
84.224	424,555		Assistive Technology
84.265	95		Rehabilitation Training State Vocational Rehabilitation Unit In-Service Training
84.287	25,738,811	593,911	Twenty-First Century Community Learning Centers
84.299	348,535		Indian Education -- Special Programs for Indian Children
84.305	1,672,515	537,503	Education Research, Development and Dissemination
84.323	1,215,964	1,159,961	Special Education - State Personnel Development
84.324	68,896		Research in Special Education
84.325	2,965,245	2,592	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities
84.326	3,038,580	1,486,677	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities
84.334	7,612,440	3,373,197	Gaining Early Awareness and Readiness for Undergraduate Programs
84.336	1,546,499	135,335	Teacher Quality Partnership Grants
84.350	89,667		Transition to Teaching
84.351	55,758		Arts in Education
84.358	4,580,230	4,373,462	Rural Education
84.363	716,139		School Leader Recruitment and Support (formerly School Leadership)
84.365	15,762,054	14,152,085	English Language Acquisition State Grants
84.366	5,225,449	106,091	Mathematics and Science Partnerships

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

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<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
84.367	45,896,904	45,232,262	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)
84.368	725,619		Competitive Grants for State Assessments (formerly Grants for Enhanced Assessment Instruments)
84.369	8,677,025		Grants for State Assessments and Related Activities
84.372	33,721		Statewide Longitudinal Data Systems
84.377	8,848,064	8,547,162	School Improvement Grants
84.382	1,273,746	24,880	Strengthening Minority-Serving Institutions
84.407	255,188	23,528	Transition Programs for Students with Intellectual Disabilities into Higher Education
84.411	744,279	100,431	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)
84.412	-18,107		Race to the Top - Early Learning Challenge
84.424	4,316,744	4,302,790	Student Support and Academic Enrichment Program
84.U01	131,666		U. S. Department of Education
84.U02	189,290		U. S. Department of Education
84.U03	31,736		U. S. Department of Education
84.U04	2,840		U. S. Department of Education
84.U05	1,248,658	220,788	U. S. Department of Education
89.003	61,329		National Historical Publications and Records Grants
90.401	738,658		Help America Vote Act Requirements Payments
93.041	105,594	105,594	Special Programs for the Aging, Title VII, Chapter 3, Programs for Prevention of Elder Abuse, Neglect, and Exploitation
93.042	763,647	763,647	Special Programs for the Aging, Title VII, Chapter 2, Long Term Care Ombudsman Services for Older Individuals
93.043	597,610	571,719	Special Programs for the Aging, Title III, Part D, Disease Prevention and Health Promotion Services
93.048	338,476	49,500	Special Programs for the Aging, Title IV, and Title II, Discretionary Projects
93.052	4,393,301	3,997,523	National Family Caregiver Support, Title III, Part E
93.069	79,662		Public Health Emergency Preparedness
93.070	413,275	10,970	Environmental Public Health and Emergency Response
93.071	840,466	682,831	Medicare Enrollment Assistance Program
93.072	153,064		Lifespan Respite Care Program
93.073	152,742		Birth Defects and Developmental Disabilities - Prevention and Surveillance
93.074	19,976,026	7,252,829	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements
93.079	449,733		Cooperative Agreements to Promote Adolescent Health through School-Based HIV/STD Prevention and School-Based Surveillance
93.088	9,134	5,231	Advancing System Improvements for Key Issues in Women's Health
93.092	1,514,406	308,317	Affordable Care Act (ACA) Personal Responsibility Education Program
93.094	1,124,703	515,930	Well-Integrated Screening and Evaluation for Women Across the Nation
93.103	2,100,964		Food and Drug Administration Research
93.104	687,224	634,087	Comprehensive Community Mental Health Services for Children with Serious Emotional Disturbances (SED)
93.110	234,964		Maternal and Child Health Federal Consolidated Programs
93.113	878,553	62,443	Environmental Health
93.116	1,550,782	702,171	Project Grants and Cooperative Agreements for Tuberculosis Control Programs
93.121	2,063		Oral Diseases and Disorders Research
93.124	93,934		Nurse Anesthetist Traineeship
93.127	152,817		Emergency Medical Services for Children
93.130	213,874		Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices
93.136	3,406,434	355,865	Injury Prevention and Control Research and State and Community Based Programs
93.145	88,318		HIV-Related Training and Technical Assistance
93.150	858,233	855,145	Projects for Assistance in Transition from Homelessness (PATH)
93.153	525,799		Coordinated Services and Access to Research for Women, Infants, Children, and Youth
93.155	38,783		Rural Health Research Centers
93.165	164,591		Grants to States for Loan Repayment Program
93.173	227,629	19,036	Research Related to Deafness and Communication Disorders
93.178	83,768		Nursing Workforce Diversity
93.191	506,836		Graduate Psychology Education
93.211	216,608	20,000	Telehealth Programs
93.213	1,027,379	122,537	Research and Training in Complementary and Integrative Health
93.217	5,173,007	4,123,831	Family Planning Services
93.226	243,247	23,266	Research on Healthcare Costs, Quality and Outcomes
93.234	245,471	240,977	Traumatic Brain Injury State Demonstration Grant Program
93.235	2,750,536		Title V State Sexual Risk Avoidance Education (Title V State SRAE) Program
93.236	326,515		Grants to States to Support Oral Health Workforce Activities
93.240	277,265		State Capacity Building
93.241	598,239	375,581	State Rural Hospital Flexibility Program

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

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<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
93.242	162,795	38,175	Mental Health Research Grants
93.243	5,679,260	4,217,171	Substance Abuse and Mental Health Services Projects of Regional and National Significance
93.247	967,369		Advanced Nursing Education Workforce Grant Program
93.251	253,410	50,277	Universal Newborn Hearing Screening
93.256	-6,459		State Health Access Program
93.262	227,427	29,645	Occupational Safety and Health Program
93.268	128,147,561		Immunization Cooperative Agreements
93.270	92,596		Viral Hepatitis Prevention and Control
93.273	897,669	6,936	Alcohol Research Programs
93.276	61,779		Drug-Free Communities Support Program Grants
93.279	685,839	236,072	Drug Abuse and Addiction Research Programs
93.283	141,812		Centers for Disease Control and Prevention Investigations and Technical Assistance
93.286	90,546		Discovery and Applied Research for Technological Innovations to Improve Human Health
93.297	773,321	534,746	Teenage Pregnancy Prevention Program
93.301	221,697		Small Rural Hospital Improvement Grant Program
93.305	1,539,357	602,972	PPHF 2018: Office of Smoking and Health-National State-Based Tobacco Control Programs-Financed in part by 2018 Prevention and Public Health funds (PPHF)
93.307	227,117	33,423	Minority Health and Health Disparities Research
93.310	127,221	11,369	Trans-NIH Research Support
93.314	122,212		Early Hearing Detection and Intervention Information System (EHDI-IS) Surveillance Program
93.323	2,379,487	516,677	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)
93.324	1,155,334	392,155	State Health Insurance Assistance Program
93.336	210,916		Behavioral Risk Factor Surveillance System
93.350	48,610		National Center for Advancing Translational Sciences
93.351	103,431		Research Infrastructure Programs
93.358	10		Advanced Education Nursing Traineeships
93.359	1,223,197	241,408	Nurse Education, Practice Quality and Retention Grants
93.361	27,268		Nursing Research
93.389	149,360		National Center for Research Resources
93.393	288,196	52,592	Cancer Cause and Prevention Research
93.394	97,257		Cancer Detection and Diagnosis Research
93.395	1,120,336	96,085	Cancer Treatment Research
93.396	104,555		Cancer Biology Research
93.397	7,559		Cancer Centers Support Grants
93.398	34,284		Cancer Research Manpower
93.399	42		Cancer Control
93.433	4,370		ACL National Institute on Disability, Independent Living, and Rehabilitation Research
93.500	576,822	133,004	Pregnancy Assistance Fund Program
93.506	28,728		ACA Nationwide Program for National and State Background Checks for Direct Patient Access Employees of Long Term Care Facilities and Providers
93.511	11,115		Affordable Care Act (ACA) Grants to States for Health Insurance Premium Review
93.521	661,385		The Affordable Care Act: Building Epidemiology, Laboratory, and Health Information Systems Capacity in the Epidemiology and Laboratory Capacity for Infectious Disease (ELC) and Emerging Infections Program (EIP) Cooperative Agreements; PPHF
93.539	5,047,937	2,394,967	PPHF Capacity Building Assistance to Strengthen Public Health Immunization Infrastructure and Performance financed in part by Prevention and Public Health Funds
93.551	32,607	0	Abandoned Infants
93.556	13,325,234	10,942,951	Promoting Safe and Stable Families
93.560	-25,117		Family Support Payments to States Assistance Payments
93.563	104,709,279	89,455,515	Child Support Enforcement
93.566	4,236,907	2,657,357	Refugee and Entrant Assistance State/Replacement Designee Administered Programs
93.568	88,256,228	86,339,700	Low-Income Home Energy Assistance
93.569	21,868,026	21,081,783	Community Services Block Grant
93.576	329,885	216,028	Refugee and Entrant Assistance Discretionary Grants
93.584	935,430	903,553	Refugee and Entrant Assistance Targeted Assistance Grants
93.586	527,237		State Court Improvement Program
93.590	1,121,915	1,023,214	Community-Based Child Abuse Prevention Grants
93.591	1,009		Family Violence Prevention and Services/State Domestic Violence Coalitions
93.597	330,643		Grants to States for Access and Visitation Programs
93.599	793,006	793,006	Chafee Education and Training Vouchers Program (ETV)
93.600	359,754		Head Start
93.603	3,400		Adoption and Legal Guardianship Incentive Payments
93.630	1,756,876	604,680	Developmental Disabilities Basic Support and Advocacy Grants

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

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<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
93.643	379,929	52,622	Children's Justice Grants to States
93.645	8,049,694	2,676,795	Stephanie Tubbs Jones Child Welfare Services Program
93.647	85,557		Social Services Research and Demonstration
93.652	279,995	97,500	Adoption Opportunities
93.658	96,557,683	83,276,584	Foster Care Title IV-E
93.659	62,915,370	4,070,846	Adoption Assistance
93.667	66,789,158	51,234,879	Social Services Block Grant
93.669	310,693	12,280	Child Abuse and Neglect State Grants
93.670	10,000		Child Abuse and Neglect Discretionary Activities
93.671	2,783,425	2,675,394	Family Violence Prevention and Services/Domestic Violence Shelter and Supportive Services
93.674	2,928,943	2,779,041	Chafee Foster Care Independence Program
93.732	1,103,461		Mental and Behavioral Health Education and Training Grants
93.734	325,250	92,891	Empowering Older Adults and Adults with Disabilities through Chronic Disease Self-Management Education Programs - financed by Prevention and Public Health Funds (PPHF)
93.735	449,438		State Public Health Approaches for Ensuring Quitline Capacity - Funded in part by Prevention and Public Health Funds (PPHF)
93.738	42,083		PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds
93.745	47,727		PPHF: Health Care Surveillance/Health Statistics - Surveillance Program Announcement: Behavioral Risk Factor Surveillance System Financed in Part by Prevention and Public Health Fund
93.752	135,791	81,090	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations financed in part by Prevention and Public Health Funds
93.753	329,895		Child Lead Poisoning Prevention Surveillance financed in part by Prevention and Public Health (PPHF) Program
93.757	4,193,536	2,200,370	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)
93.758	5,030,207	3,613,962	Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)
93.761	35,692		Evidence-Based Falls Prevention Programs Financed Solely by Prevention and Public Health Funds (PPHF)
93.767	469,964,842	6,947,822	Children's Health Insurance Program
93.779	144,448	46,580	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations
93.788	14,092,945	13,619,548	Opioid STR
93.791	6,502,429		Money Follows the Person Rebalancing Demonstration
93.815	1,134,200		Domestic Ebola Supplement to the Epidemiology and Laboratory Capacity for Infectious Diseases (ELC).
93.817	84,222	33,901	Hospital Preparedness Program (HPP) Ebola Preparedness and Response Activities
93.829	480,698	480,698	Section 223 Demonstration Programs to Improve Community Mental Health Services
93.837	1,887,672	55,506	Cardiovascular Diseases Research
93.838	124,967		Lung Diseases Research
93.839	60,043		Blood Diseases and Resources Research
93.846	873,396	34,859	Arthritis, Musculoskeletal and Skin Diseases Research
93.847	1,926,354	89,378	Diabetes, Digestive, and Kidney Diseases Extramural Research
93.853	495,573	71,506	Extramural Research Programs in the Neurosciences and Neurological Disorders
93.855	2,451,428	181,963	Allergy and Infectious Diseases Research
93.859	4,815,018	83,714	Biomedical Research and Research Training
93.865	1,983,876	91,627	Child Health and Human Development Extramural Research
93.866	390,410		Aging Research
93.879	16,998		Medical Library Assistance
93.881	122,313		The Health Insurance Enforcement and Consumer Protections Grant Program
93.884	564,095		Grants for Primary Care Training and Enhancement
93.898	3,846,554	1,647,555	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations
93.910	11,053		Family and Community Violence Prevention Program
93.913	146,732		Grants to States for Operation of State Offices of Rural Health
93.917	40,889,204	27,744,616	HIV Care Formula Grants
93.918	540,016		Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease
93.926	2,318,160	1,124,068	Healthy Start Initiative
93.928	28,711		Special Projects of National Significance
93.933	89,233	44,780	Demonstration Projects for Indian Health
93.940	9,334,708	1,669,679	HIV Prevention Activities Health Department Based
93.941	16,669		HIV Demonstration, Research, Public and Professional Education Projects
93.944	1,283,507		Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Virus Syndrome (AIDS) Surveillance
93.945	1,077,323	547,305	Assistance Programs for Chronic Disease Prevention and Control
93.946	140,579		Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs
93.958	10,837,374	4,813,346	Block Grants for Community Mental Health Services
93.959	46,337,367	30,639,143	Block Grants for Prevention and Treatment of Substance Abuse

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (SUMMARY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			
<b>CFDA Number</b>	<b>Program Expenditures</b>	<b>Subrecipient Expenditures</b>	<b>CFDA Program Title or Cluster Title</b>
93.969	792,947	102,600	PPHF Geriatric Education Centers
93.977	2,898,085	92,365	Sexually Transmitted Diseases (STD) Prevention and Control Grants
93.982	913,086	872,267	Mental Health Disaster Assistance and Emergency Mental Health
93.991	8,172		Preventive Health and Health Services Block Grant
93.994	14,660,762	12,328,814	Maternal and Child Health Services Block Grant to the States
93.U01	96,618		U. S. Department of Health and Human Services
93.U02	283,744		U. S. Department of Health and Human Services
93.U03	-9,766		U. S. Department of Health and Human Services
93.U04	8,052		U. S. Department of Health and Human Services
93.U05	158,490	18,768	U. S. Department of Health and Human Services
93.U06	82		U. S. Department of Health and Human Services
93.U07	39,119		U. S. Department of Health and Human Services
94.002	146,887		Retired and Senior Volunteer Program
94.003	217,284		State Commissions
94.006	3,419,139	3,419,139	AmeriCorps
94.009	98,813		Training and Technical Assistance
94.019	1,089,016	211,994	Social Innovation Fund
96.008	156,674		Social Security - Work Incentives Planning and Assistance Program
97.005	177,330		State and Local Homeland Security National Training Program
97.012	1,367,253		Boating Safety Financial Assistance
97.023	426,026		Community Assistance Program State Support Services Element (CAP-SSSE)
97.029	2,898,297	2,654,408	Flood Mitigation Assistance
97.032	15,439		Crisis Counseling
97.036	64,520,744	46,917,624	Disaster Grants - Public Assistance (Presidentially Declared Disasters)
97.039	4,848,364	3,830,951	Hazard Mitigation Grant
97.041	191,329		National Dam Safety Program
97.042	9,143,942	4,648,349	Emergency Management Performance Grants
97.043	9,580		State Fire Training Systems Grants
97.044	115,289		Assistance to Firefighters Grant
97.045	1,417,226		Cooperating Technical Partners
97.046	2,576,977		Fire Management Assistance Grant
97.047	463,135	95,195	Pre-Disaster Mitigation
97.056	242,424		Port Security Grant Program
97.061	23,488		Centers for Homeland Security
97.067	8,975,932	4,262,952	Homeland Security Grant Program
97.088	1,802,782		Disaster Assistance Projects
97.U01	134,636	115,714	U. S. Department of Homeland Security
98.001	62,170		USAID Foreign Assistance for Programs Overseas
98.012	8,419		USAID Development Partnerships for University Cooperation and Development
98.U01	32,793		United States Agency for International Development
99.U01	74,494		Other Federal Assistance
99.U02	47,731		Other Federal Assistance
99.U03	7,800		Other Federal Assistance
99.U04	112,954		Other Federal Assistance
99.U05	17,750		Other Federal Assistance
99.U06	128,213		Other Federal Assistance
<b>\$ 20,774,351,729</b>		<b>\$ 3,326,487,456</b>	<b>Total Expenditures of Federal Awards</b>

The accompanying notes are an integral part of this schedule.



**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>		<b>Amount</b>					
<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Provided to</b>				
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b><i>Aging—Cluster:</i></b>							
<b><u>U. S. Department of Health and Human Services</u></b>							
93.044	D	12,659,132	11,922,759	Special Programs for the Aging, Title III, Part B, Grants for Supportive Services and Senior Centers			
93.045	D	16,450,239	15,486,970	Special Programs for the Aging, Title III, Part C, Nutrition Services			
93.053	D	3,349,337	3,349,337	Nutrition Services Incentive Program			
		<u>32,458,708</u>	<u>30,759,066</u>	Total — Aging Cluster — U. S. Department of Health and Human Services			
		<u>32,458,708</u>	<u>30,759,066</u>	Total — Aging			
<b><i>Child Care and Development Fund—Cluster:</i></b>							
<b><u>U. S. Department of Health and Human Services</u></b>							
93.575	D	163,776,858	21,696,894	Child Care and Development Block Grant			
93.596	D	111,458,361	45,534,000	Child Care Mandatory and Matching Funds of the Child Care and Development Fund			
		<u>275,235,219</u>	<u>67,230,894</u>	Total — CCDF Cluster — U. S. Department of Health and Human Services			
		<u>275,235,219</u>	<u>67,230,894</u>	Total — CCDF			
<b><i>CDBG - Entitlement Grants Cluster</i></b>							
<b><u>U. S. Department of Agriculture</u></b>							
14.218	I	8,957	-	Community Development Block Grants/Entitlement Grants	A14-0151-005	City of Greenville	
		<u>8,957</u>	<u>-</u>	Total — CDBG- Entitlement Grants Cluster — U. S. Department of Housing and Urban Development			
		<u>8,957</u>	<u>-</u>	Total — CDBG			
<b><i>Child Nutrition—Cluster:</i></b>							
<b><u>U. S. Department of Agriculture</u></b>							
10.553	D	139,268,695	139,229,969	School Breakfast Program			
10.555	D	437,943,594	437,869,383	National School Lunch Program			
10.556	D	98,710	98,710	Special Milk Program for Children			
10.559	D	14,087,073	13,825,453	Summer Food Service Program for Children			
		<u>591,398,072</u>	<u>591,023,515</u>	Total — Child Nutrition Cluster — U. S. Department of Agriculture			
		<u>591,398,072</u>	<u>591,023,515</u>	Total — Child Nutrition			
<b><i>Clean Water State Revolving Fund—Cluster:</i></b>							
<b><u>U. S. Environmental Protection Agency</u></b>							
66.458	D	24,162,886	22,970,880	Capitalization Grants for Clean Water State Revolving Funds			
		<u>24,162,886</u>	<u>22,970,880</u>	Total — Clean Water State Revolving Fund Cluster — U. S. Environmental Protection Agency			
		<u>24,162,886</u>	<u>22,970,880</u>	Total — Clean Water State Revolving Fund			
<b><i>Disability Insurance/SSI—Cluster:</i></b>							
<b><u>Social Security Administration</u></b>							
96.001	D	59,105,497	-	Social Security Disability Insurance			
		<u>59,105,497</u>	<u>-</u>	Total — Disability Insurance/SSI Cluster — Social Security Administration			
		<u>59,105,497</u>	<u>-</u>	Total — Disability Insurance/SSI			
<b><i>Drinking Water State Revolving Fund—Cluster:</i></b>							
<b><u>U. S. Environmental Protection Agency</u></b>							
66.468	D	20,692,587	14,899,785	Capitalization Grants for Drinking Water State Revolving Funds			
66.468	I	13,161	-	Capitalization Grants for Drinking Water State Revolving Funds	C50599078	Alabama Department of Environmental Management	
		<u>20,705,748</u>	<u>14,899,785</u>	Total — Drinking Water State Revolving Fund Cluster — U. S. Environmental Protection Agency			
		<u>20,705,748</u>	<u>14,899,785</u>	Total — Drinking Water State Revolving Fund			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			<b>Amount</b>				
<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Provided to</b>				
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Food Distribution—Cluster:</b>							
<b>U. S. Department of Agriculture</b>							
10.565	D	2,295,199	600,805	Commodity Supplemental Food Program			
10.568	D	2,713,232	1,765,754	Emergency Food Assistance Program (Administrative Costs)			
10.569	D	14,882,335	14,882,335	Emergency Food Assistance Program (Food Commodities)			
		<u>19,890,766</u>	<u>17,248,894</u>	Total — Food Distribution Cluster — U. S. Department of Agriculture			
		19,890,766	17,248,894	Total — Food Distribution			
<b>Employment Service—Cluster:</b>							
<b>U. S. Department of Labor</b>							
17.207	D	23,986,240	-	Employment Service/Wagner-Peyser Funded Activities			
17.801	D	5,348,787	-	Disabled Veterans' Outreach Program (DVOP)			
17.804	D	7,404	-	Local Veterans' Employment Representative Program			
		<u>29,342,431</u>	<u>-</u>	Total — Employment Service Cluster — U. S. Department of Labor			
		29,342,431	-	Total — Employment Service			
<b>Fish and Wildlife—Cluster:</b>							
<b>U. S. Department of Interior</b>							
15.605	D	9,723,216	172,806	Sport Fish Restoration			
15.611	D	21,505,266	189,102	Wildlife Restoration and Basic Hunter Education			
		<u>31,228,482</u>	<u>361,908</u>	Total — Fish and Wildlife Cluster — U. S. Department of Interior			
		31,228,482	361,908	Total — Fish and Wildlife			
<b>Federal Transit—Cluster:</b>							
<b>U. S. Department of Transportation</b>							
20.507	D	795,571	779,222	Federal Transit Formula Grants			
20.526	D	1,369,939	1,369,939	Bus and Bus Facilities Formula Program			
		<u>2,165,510</u>	<u>2,149,161</u>	Total — Federal Transit Cluster — U. S. Department of Transportation			
		2,165,510	2,149,161	Total — Federal Transit			
<b>Foster Grandparent/Senior Companion—Cluster:</b>							
<b>Corporation for National and Community Service</b>							
94.011	D	375,396	-	Foster Grandparent Program			
94.016	D	246,211	-	Senior Companion Program			
		<u>621,607</u>	<u>-</u>	Total — Foster Grandparent/Senior Companion Cluster — Corporation for National and Community Service			
		621,607	-	Total — Foster Grandparent/Senior Companion			
<b>Health Center—Cluster:</b>							
<b>U. S. Department of Health and Human Services</b>							
93.224	D	3,378,555	2,470,289	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care for the Homeless, and Public Housing Primary Care)			
93.224	I	6,597	-	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care for the Homeless, and Public Housing Primary Care)	N/A	Piedmont Health, Inc.	
		<u>3,385,152</u>	<u>2,470,289</u>	Total — Health Center Cluster — U. S. Department of Health and Human Services			
		3,385,152	2,470,289	Total — Health Center			
<b>Highway Planning and Construction—Cluster:</b>							
<b>U. S. Department of Transportation</b>							
20.205	D	1,140,887,786	55,476,780	Highway Planning and Construction			
20.205	I	112,786	2,644	Highway Planning and Construction	14983 / FY 2017 / 2018	City Of Durham	
20.205	I	4,237	3,117	Highway Planning and Construction	2016-3203	City Of Durham	
20.205	I	(61)	-	Highway Planning and Construction	N/A	City Of Durham	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
20.205	I	(44)	-	Highway Planning and Construction	58285	City Of Raleigh	
20.205	I	7,481	6,234	Highway Planning and Construction	PO 72988	City Of Raleigh	
20.205	I	28,633	-	Highway Planning and Construction	60049100	Ohio State University	
20.205	I	11,887	-	Highway Planning and Construction	B038	Toole Design Group	
20.219	D	1,517,425	-	Recreational Trails Program			
23.003	D	707,611	-	Appalachian Development Highway System			
		<u>1,143,277,741</u>	<u>55,488,775</u>	Total — Highway Planning and Construction Cluster — U. S. Department of Transportation			
		<u>1,143,277,741</u>	<u>55,488,775</u>	Total — Highway Planning and Construction			
<b>Housing Voucher—Cluster:</b>							
<b><u>U. S. Department of Housing and Urban Development</u></b>							
14.871	D	4,646,161	4,134,429	Section 8 Housing Choice Vouchers			
		<u>4,646,161</u>	<u>4,134,429</u>	Total — Housing Voucher Cluster — U. S. Department of Housing and Urban Development			
		<u>4,646,161</u>	<u>4,134,429</u>	Total — Housing Voucher			
<b>Highway Safety—Cluster:</b>							
<b><u>U. S. Department of Transportation</u></b>							
20.600	D	5,533,192	1,250,926	State and Community Highway Safety			
20.609	I	16,607	-	Safety Belt Performance Grants	DTNH2216C00025 / 2016-014	Toxcel, LLC	
20.616	D	7,614,334	2,215,342	National Priority Safety Programs			
		<u>13,164,133</u>	<u>3,466,268</u>	Total — Highway Safety Cluster — U. S. Department of Transportation			
		<u>13,164,133</u>	<u>3,466,268</u>	Total — Highway Safety			
<b>Maternal, Infant, and Early Childhood Home Visiting Program—Cluster</b>							
<b><u>U. S. Department of Health and Human Services</u></b>							
93.505	D	1,223,654	644,544	Affordable Care Act (ACA) Maternal, Infant, and Early Childhood Home Visiting Program			
93.870	D	2,165,240	1,560,999	Maternal, Infant and Early Childhood Home Visiting Grant Program			
		<u>3,388,894</u>	<u>2,205,543</u>	Total — Maternal, Infant, and Early Childhood Home Visiting Program Cluster — U. S. Department of Health and Human Services			
		<u>3,388,894</u>	<u>2,205,543</u>	Total — Maternal, Infant, and Early Childhood Home Visiting Program Cluster			
<b>Medicaid—Cluster:</b>							
<b><u>U. S. Department of Health and Human Services</u></b>							
93.775	D	4,251,553	-	State Medicaid Fraud Control Units			
93.777	D	16,447,290	-	State Survey and Certification of Health Care Providers and Suppliers (Title XVIII) Medicare			
93.778	D	9,428,629,976	237,354,349	Medical Assistance Program			
93.778	I	10,434	-	Medical Assistance Program	1-312-0215922-65095L	Research Triangle Institute (RTI International)	
		<u>9,449,339,253</u>	<u>237,354,349</u>	Total — Medicaid Cluster — U. S. Department of Health and Human Services			
		<u>9,449,339,253</u>	<u>237,354,349</u>	Total —Medicaid			
<b>Economic Development—Cluster:</b>							
<b><u>U. S. Department of Commerce</u></b>							
11.300	D	124,125	-	Investments for Public Works and Economic Development Facilities			
11.307	I	19,805	-	Economic Adjustment Assistance	04-79-06686	North Carolina Rural Economic Development Center, Inc	
		<u>143,930</u>	-	Total — Economic Development Cluster — U. S. Department of Commerce			
		<u>143,930</u>	-	Total—Economic Development			
<b>Research and Development—Cluster:</b>							
<b><u>U. S. Department of Agriculture</u></b>							
10.001	D	1,589,198	-	Agricultural Research Basic and Applied Research			
10.025	D	7,388,273	107,135	Plant and Animal Disease, Pest Control, and Animal Care			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

Federal CFDA	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
10.025	I	142,553	-	Plant and Animal Disease, Pest Control, and Animal Care	01-15	Commission For The Eradication	
10.025	I	1,135	-	Plant and Animal Disease, Pest Control, and Animal Care	RC106457A	Michigan State University	
10.025	I	15,480	-	Plant and Animal Disease, Pest Control, and Animal Care	5693-BBYR4-NC	Rutgers University	
10.025	I	3,796	-	Plant and Animal Disease, Pest Control, and Animal Care	422603-19071	Virginia Polytechnic Institute and State University	
10.168	D	33,854	-	Farmers Market Promotion Program			
10.200	D	161,187	28,259	Grants for Agricultural Research, Special Research Grants			
10.200	I	2,992	-	Grants for Agricultural Research, Special Research Grants	S16032	Kansas State University	
10.200	I	23,070	-	Grants for Agricultural Research, Special Research Grants	2-312-0214565-52422L	Research Triangle Institute (RTI International)	
10.200	I	891	-	Grants for Agricultural Research, Special Research Grants	SRAC OYSTERS PROJECT	South Reg Aqua Ctr	
10.200	I	7,000	-	Grants for Agricultural Research, Special Research Grants	1800575088	University of Florida	
10.200	I	4,690	-	Grants for Agricultural Research, Special Research Grants	PO # 1600470968	University of Florida	
10.200	I	16,350	-	Grants for Agricultural Research, Special Research Grants	PO # 1600472776	University of Florida	
10.200	I	88,478	-	Grants for Agricultural Research, Special Research Grants	PO 6015-1800574470	University of Florida	
10.200	I	5,143	-	Grants for Agricultural Research, Special Research Grants	PO 6015-1800575093	University of Florida	
10.200	I	(651)	-	Grants for Agricultural Research, Special Research Grants	PO# 1600412030	University of Florida	
10.200	I	1,485	-	Grants for Agricultural Research, Special Research Grants	PO# 1600472752	University of Florida	
10.200	I	719	-	Grants for Agricultural Research, Special Research Grants	PO# 1800574487	University of Florida	
10.200	I	24,675	-	Grants for Agricultural Research, Special Research Grants	PO# 1800574575	University of Florida	
10.200	I	22,007	-	Grants for Agricultural Research, Special Research Grants	PO# 1800575092	University of Florida	
10.200	I	6	-	Grants for Agricultural Research, Special Research Grants	PO1600448835	University of Florida	
10.200	I	3,277	-	Grants for Agricultural Research, Special Research Grants	PO1600472771	University of Florida	
10.200	I	43,288	-	Grants for Agricultural Research, Special Research Grants	SUBAWARD # UMS-1060	University of Maine	
10.202	D	1,085,578	-	Cooperative Forestry Research			
10.203	D	9,113,367	-	Payments to Agricultural Experiment Stations Under the Hatch Act			
10.206	D	4,217,278	31,756	Grants for Agricultural Research Competitive Research Grants			
10.207	D	46,418	-	Animal Health and Disease Research			
10.210	D	122,250	7,568	Higher Education - Graduate Fellowships Grant Program			
10.212	I	56,532	-	Small Business Innovation Research	2016-2154	Grafted Growers, LLC	
10.212	I	29,220	-	Small Business Innovation Research	3205-USDA-2S/NC SU	Luna Innovations, Inc.	
10.215	I	3	-	Sustainable Agriculture Research and Education	RD309-122/4940246	University of Georgia	
10.215	I	841	-	Sustainable Agriculture Research and Education	RD309-125/3502028	University of Georgia	
10.215	I	158	-	Sustainable Agriculture Research and Education	RD309-125/4940916	University of Georgia	
10.215	I	(11,963)	-	Sustainable Agriculture Research and Education	RD309-129/S000732	University of Georgia	
10.215	I	1,566	-	Sustainable Agriculture Research and Education	RD309-129/S000841	University of Georgia	
10.215	I	(3,689)	-	Sustainable Agriculture Research and Education	RD309-134/S001224	University of Georgia	
10.215	I	65,819	-	Sustainable Agriculture Research and Education	RD309-137/S0001421	University of Georgia	
10.215	I	89,131	-	Sustainable Agriculture Research and Education	RD309-137/S001414	University of Georgia	
10.215	I	28,399	3,693	Sustainable Agriculture Research and Education	SUB00001099	University of Georgia	
10.216	D	171,586	-	1890 Institution Capacity Building Grants			
10.216	I	16,473	-	1890 Institution Capacity Building Grants	SUBAWARD#CANFVSU-13-011	Fort Valley State University	
10.216	I	41,393	-	1890 Institution Capacity Building Grants	36 12091 367 76190	Tuskegee University	
10.216	I	39,610	-	1890 Institution Capacity Building Grants	R000018	Virginia State University	
10.217	I	3,112	-	Higher Education - Institution Challenge Grants Program	60039552	Ohio State University	
10.219	D	187,122	50,658	Biotechnology Risk Assessment Research			
10.219	I	92,418	-	Biotechnology Risk Assessment Research	M1800642	Texas A&M University	
10.219	I	128,378	-	Biotechnology Risk Assessment Research	42992-Z5825001	University of Maryland, College Park	
10.220	D	65,116	30,327	Higher Education - Multicultural Scholars Grant Program			
10.250	D	33,112	-	Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations			
10.253	I	12,716	-	Consumer Data and Nutrition Research	15-USDA-1039	Duke University	
10.290	D	106,755	70,563	Agricultural Market and Economic Research			
10.290	I	7,922	-	Agricultural Market and Economic Research	GTK737-SB-002	University of Idaho	
10.307	D	164,544	-	Organic Agriculture Research and Extension Initiative			
10.307	I	337	-	Organic Agriculture Research and Extension Initiative	67835-9950	Cornell University	
10.307	I	39,613	-	Organic Agriculture Research and Extension Initiative	8000064229-AG	Purdue University	
10.307	I	3,533	-	Organic Agriculture Research and Extension Initiative	SUBAWARD NO: 8000064230-AG	Purdue University	
10.307	I	(193)	-	Organic Agriculture Research and Extension Initiative	4821	Rutgers University	
10.307	I	25,398	-	Organic Agriculture Research and Extension Initiative	36 22091 410 76190	Tuskegee University	
10.307	I	56,439	-	Organic Agriculture Research and Extension Initiative	SUBAWARD NO: UFDSP00010998	University of Florida	
10.307	I	46,287	-	Organic Agriculture Research and Extension Initiative	RC293-636/S000867	University of Georgia	
10.307	I	31,290	-	Organic Agriculture Research and Extension Initiative	8500028703	University of Tennessee	
10.307	I	60,715	-	Organic Agriculture Research and Extension Initiative	8500028703	University of Tennessee	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

Federal CFDA	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
10.309	D	4,820,865	3,830,971	Specialty Crop Research Initiative			
10.309	I	39,753	-	Specialty Crop Research Initiative	79598-10780	Cornell University	
10.309	I	279,012	-	Specialty Crop Research Initiative	RC105573NCSU	Michigan State University	
10.309	I	88,747	-	Specialty Crop Research Initiative	RC107752C	Michigan State University	
10.309	I	157	-	Specialty Crop Research Initiative	06-M1703518	Texas A&M University	
10.309	I	15,386	-	Specialty Crop Research Initiative	A18-0425-S003-P0671355	University of Cal - Santa Cruz	
10.309	I	188,004	-	Specialty Crop Research Initiative	UFDSP00011195/00125051	University of Florida	
10.309	I	47,146	-	Specialty Crop Research Initiative	RR644-418/5054526	University of Georgia	
10.310	D	7,447,582	1,656,410	Agriculture and Food Research Initiative (AFRI)			
10.310	I	5,442	-	Agriculture and Food Research Initiative (AFRI)	71304-10173	Cornell University	
10.310	I	113,035	(500)	Agriculture and Food Research Initiative (AFRI)	73934-10464	Cornell University	
10.310	I	16,628	-	Agriculture and Food Research Initiative (AFRI)	416-41-07C	Iowa State University	
10.310	I	21,724	-	Agriculture and Food Research Initiative (AFRI)	S14148	Kansas State University	
10.310	I	20,761	-	Agriculture and Food Research Initiative (AFRI)	RC104967NCSU	Michigan State University	
10.310	I	162,781	-	Agriculture and Food Research Initiative (AFRI)	RC105883NCSU	Michigan State University	
10.310	I	19,573	-	Agriculture and Food Research Initiative (AFRI)	60044791	Ohio State University	
10.310	I	24,622	-	Agriculture and Food Research Initiative (AFRI)	60045042	Ohio State University	
10.310	I	189,639	-	Agriculture and Food Research Initiative (AFRI)	C0490A-A	Oregon State University	
10.310	I	46,734	46,734	Agriculture and Food Research Initiative (AFRI)	2015-68004-23179	Pennsylvania State University	
10.310	I	715,366	410,768	Agriculture and Food Research Initiative (AFRI)	5197-NCSU-USDA-3179	Pennsylvania State University	
10.310	I	128,893	-	Agriculture and Food Research Initiative (AFRI)	8000053331-AG	Purdue University	
10.310	I	115,828	-	Agriculture and Food Research Initiative (AFRI)	8000067418-AG	Purdue University	
10.310	I	17,144	-	Agriculture and Food Research Initiative (AFRI)	SUBAWARD NO:8000067017-AG	Purdue University	
10.310	I	234,397	-	Agriculture and Food Research Initiative (AFRI)	201223090-03	University of Cal - Davis	
10.310	I	(223,578)	-	Agriculture and Food Research Initiative (AFRI)	25574 2011-67003-30228	University of Delaware	
10.310	I	66,596	-	Agriculture and Food Research Initiative (AFRI)	UFDSP00011871 P0051625	University of Florida	
10.310	I	(54)	-	Agriculture and Food Research Initiative (AFRI)	RC371-291/S001200	University of Georgia	
10.310	I	64,494	-	Agriculture and Food Research Initiative (AFRI)	RC398-139/S000789	University of Georgia	
10.310	I	25,421	-	Agriculture and Food Research Initiative (AFRI)	078873-16463	University of Illinois - Urbana	
10.310	I	89,662	-	Agriculture and Food Research Initiative (AFRI)	Z5775007	University of Maryland, College Par	
10.310	I	88,121	-	Agriculture and Food Research Initiative (AFRI)	52672-Z5004201	University of Maryland, College Park	
10.310	I	29,195	-	Agriculture and Food Research Initiative (AFRI)	16-007995 D 00	University of Massachusetts	
10.310	I	267	-	Agriculture and Food Research Initiative (AFRI)	17 009835 A 00	University of Massachusetts	
10.310	I	4,737	-	Agriculture and Food Research Initiative (AFRI)	C00046787-1	University of Missouri - Columbia	
10.310	I	5,923	-	Agriculture and Food Research Initiative (AFRI)	SUBAWARD 562981 PO3781325	University of Pennsylvania	
10.310	I	173,132	-	Agriculture and Food Research Initiative (AFRI)	8500022696	University of Tennessee	
10.310	I	(6,607)	-	Agriculture and Food Research Initiative (AFRI)	85000024594	University of Tennessee at Knoxville	
10.310	I	33,864	-	Agriculture and Food Research Initiative (AFRI)	542K452	University of Wisconsin Madison	
10.310	I	20,108	-	Agriculture and Food Research Initiative (AFRI)	718253-712683	Virginia Institute Of Marine	
10.310	I	16,708	-	Agriculture and Food Research Initiative (AFRI)	422370-19071	Virginia Polytechnic Institute and State University	
10.310	I	2,798	-	Agriculture and Food Research Initiative (AFRI)	422585-19071	Virginia Polytechnic Institute and State University	
10.310	I	28,924	-	Agriculture and Food Research Initiative (AFRI)	16-012	Wake Forest University	
10.310	I	41,301	-	Agriculture and Food Research Initiative (AFRI)	126319_G003570	Washington State University	
10.312	I	298,821	-	Biomass Research and Development Initiative Competitive Grants Program (BRDI)	PO#14951	North Carolina Biotechnology Center	
10.320	I	38,571	-	Sun Grant Program	8500047865	University of Tennessee	
10.320	I	103,284	26,061	Sun Grant Program	8500047866	University of Tennessee	
10.328	I	13,629	-	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	UFDSP00011138 / 00125142	University of Florida	
10.329	D	300,547	86,605	Crop Protection and Pest Management Competitive Grants Program			
10.329	I	29,312	-	Crop Protection and Pest Management Competitive Grants Program	1978-207-2012255	Clemson University	
10.329	I	16,930	-	Crop Protection and Pest Management Competitive Grants Program	76523-10612	Cornell University	
10.329	I	11,508	-	Crop Protection and Pest Management Competitive Grants Program	RF330-503/8644617	University of Georgia	
10.330	I	17,583	-	Alfalfa and Forage Research Program	8500046909	University of Tennessee	
10.336	D	13,186	-	Veterinary Services Grant Program			
10.351	D	85,275	-	Rural Business Development Grant			
10.446	D	75,839	25,000	Rural Community Development Initiative			
10.500	D	12,094,295	22,136	Cooperative Extension Service			
10.652	D	112,129	-	Forestry Research			
10.664	D	10,288	-	Cooperative Forestry Assistance			
10.674	D	15,608	-	Wood Utilization Assistance			
10.676	D	172,668	-	Forest Legacy Program			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

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<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>Provided to</b>				
10.680	D	49,804	-		Forest Health Protection			
10.699	D	894,008	-		Partnership Agreements			
10.777	D	33,216	-		Norman E. Borlaug International Agricultural Science and Technology Fellowship			
10.902	D	22,118	-		Soil and Water Conservation			
10.903	D	28,911	-		Soil Survey			
10.912	I	33,679	-		Environmental Quality Incentives Program	68-F352-17-265	Puerto Rico Nrcs	
10.961	D	34,707	15,700		Scientific Cooperation and Research			
10.RD	D	57,061	32,207		U. S. Department of Agriculture			17-JV-11272138-069
10.RD	D	18,916	-		U. S. Department of Agriculture			240741
10.RD	D	(1,271)	-		U. S. Department of Agriculture			240747
10.RD	D	7,985	-		U. S. Department of Agriculture			A16-1660-001
10.RD	D	19,754	-		U. S. Department of Agriculture			A17-1403-001
10.RD	D	19,536	-		U. S. Department of Agriculture			A18-0348-001
10.RD	I	45,769	-		U. S. Department of Agriculture	SUBAWARD NO:ASU330109	Alcorn State University	280897
10.RD	I	88,909	-		U. S. Department of Agriculture	534667	Found. For Food & Agri. Res	534667
10.RD	I	511	-		U. S. Department of Agriculture	PO# I6 13800 00	Iowa State University	POI61380000
10.RD	I	(20)	-		U. S. Department of Agriculture	#13-052	Land of Sky Regional Council	11.307, 10.446, 23.011, 10.773
10.RD	I	15,874	-		U. S. Department of Agriculture	LETTER DATED 8/25/2017	Nanodiagnostic Technology, LLC	280983
10.RD	I	366,135	-		U. S. Department of Agriculture	1-312-0215472-52847L	Research Triangle Institute (RTI International)	USDAFSISAG3A94D160130
10.RD	I	64,159	-		U. S. Department of Agriculture	1-312-0216148-65141L	Research Triangle Institute (RTI International)	USDAFSISAG3A94D160138
10.RD	I	74,302	-		U. S. Department of Agriculture	E17-05	U.S. Endow For Forest & Communities Inc.	16-JV-11111106-053
10.RD	I	30,396	-		U. S. Department of Agriculture	E17-99	U.S. Endow For Forest & Communities Inc.	16-JV-11111136-094
10.RD	I	5,892	-		U. S. Department of Agriculture	201700387-02-NCSU-BATTS	University of Cal - Davis	SPO#201700387
10.RD	I	21,135	17,260		U. S. Department of Agriculture	CONTINGENCY LETTER	University of California at Davis	280860
10.RD	I	14,575	-		U. S. Department of Agriculture	1600472676	University of Florida	PO#1600472676
10.RD	I	12,000	-		U. S. Department of Agriculture	PO 1800588179	University of Florida	PO#1800588179
10.RD	I	(7,465)	-		U. S. Department of Agriculture	PO#1600474749	University of Florida	PO#1600474749
10.RD	I	4,725	-		U. S. Department of Agriculture	PURCHASE ORDER 1600473364	University of Florida	PO#1600473364
10.RD	I	42,299	-		U. S. Department of Agriculture	Subaward NO: RD309-137/S001432	University of Georgia	280970
10.RD	I	49,708	-		U. S. Department of Agriculture	UMES Subaward Signed 12/12/16	University of Maryland Eastern Shore	280949
10.RD	I	2,614	-		U. S. Department of Agriculture	1600013/ SR00004155	University of Maryland at Baltimore (UMB)	A15-1704-001
10.RD	I	1,286	-		U. S. Department of Agriculture	SUBAWARD NO: H006425303	University of Minnesota	280996
		<b>56,434,412</b>	<b>6,499,311</b>		<b>Total — Research and Development — U. S. Department of Agriculture</b>			
<b><u>U. S. Department of Commerce</u></b>								
11.008	I	9,000	-		NOAA Mission-Related Education Awards	SA 18-08	Consortium for Ocean Leadership, Inc.	
11.012	I	382,210	84,004		Integrated Ocean Observing System (IOOS)	1OOS.16(028)UNCW.LL.OBS.1	SECOORA	
11.012	I	6,342	-		Integrated Ocean Observing System (IOOS)	IOOS.16(028)NCSU.RH.GLD.1	SECOORA	
11.012	I	144,625	-		Integrated Ocean Observing System (IOOS)	IOOS.16(028)NCSU.RH.MOD.1	SECOORA	
11.012	I	121,396	-		Integrated Ocean Observing System (IOOS)	IOOS.16(028)UNCCH.HS	SECOORA	
11.012	I	26,216	-		Integrated Ocean Observing System (IOOS)	IOOS.16(28)UNCW.JD.PRO.1	SECOORA	
11.012	I	79,274	-		Integrated Ocean Observing System (IOOS)	2013-001	Southeastern Universities Research Association	
11.020	D	228,429	-		Cluster Grants			
11.020	I	3,512	-		Cluster Grants	343-0585	Duke University	
11.303	D	102,682	-		Economic Development Technical Assistance			
11.407	D	72,685	-		Interjurisdictional Fisheries Act of 1986			
11.417	D	1,180,155	530,935		Sea Grant Support			
11.419	D	2,461,738	-		Coastal Zone Management Administration Awards			
11.419	I	7,065	-		Coastal Zone Management Administration Awards	2657RC-001-UNCW	Dauphin Island Sea Lab	
11.419	I	212,959	10,000		Coastal Zone Management Administration Awards	3004278672	The University of Michigan	
11.419	I	134,080	-		Coastal Zone Management Administration Awards	3004232333	University of Michigan Board of Regents	
11.420	D	790,426	-		Coastal Zone Management Estuarine Research Reserves			
11.427	D	267,258	-		Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program			
11.431	D	189,262	-		Climate and Atmospheric Research			
11.431	I	1,224	-		Climate and Atmospheric Research	R/ECC-1A	South Carolina Sea Grant Consortium	
11.431	I	9,808	-		Climate and Atmospheric Research	S150208	Texas A&M University	
11.431	I	9,414	-		Climate and Atmospheric Research	Z17-28290	University Corporation Atmospheric Research	
11.431	I	55,469	-		Climate and Atmospheric Research	18-3399	University of South Carolina	
11.431	I	8,920	-		Climate and Atmospheric Research	18-3421/USC NO.13540-FB40	University of South Carolina	
11.431	I	127,949	-		Climate and Atmospheric Research	17-3250/PO2000030010	University of South Carolina (USC)	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>Provided to</b>				
11.431	I	15,554	-	-	Climate and Atmospheric Research	18-3422/ PO 20000363	University of South Carolina (USC)	
11.431	I	66,234	-	-	Climate and Atmospheric Research	PO#2000016422	University of South Carolina (USC)	
11.432	I	131,701	-	-	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	URJ58	Florida Atlantic University	
11.432	I	4,931,841	761,456	-	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	13342-Z7812001	University of Maryland, College Park	
11.432	I	2,040	-	-	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	3003712268	University of Michigan	
11.439	D	93,590	-	-	Marine Mammal Data Program			
11.454	D	46,633	-	-	Unallied Management Projects			
11.459	D	90,190	-	-	Weather and Air Quality Research			
11.463	I	9,574	-	-	Habitat Conservation	1018	North Carolina Coastal Federation	
11.468	D	187,445	34,607	-	Applied Meteorological Research			
11.472	D	11,178	8,254	-	Unallied Science Program			
11.472	I	67,165	-	-	Unallied Science Program	A70-01	North Pacific Research Board	
11.474	D	191,264	-	-	Atlantic Coastal Fisheries Cooperative Management Act			
11.478	D	303,523	-	-	Center for Sponsored Coastal Ocean Research Coastal Ocean Program			
11.478	I	66,555	-	-	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	NA288A-A	Oregon State University	
11.609	D	12,363	-	-	Measurement and Engineering Research and Standards			
11.609	I	24,086	-	-	Measurement and Engineering Research and Standards	RJ118-G1	Georgia Institute of Technology	
11.619	I	253	-	-	Arrangements for Interdisciplinary Research Infrastructure	NIIMBLSP1.0-2 GENETHERAPY	NIIMBL - University Of Delaware	
11.619	I	686,449	-	-	Arrangements for Interdisciplinary Research Infrastructure	SUBAWARD # 45781	University of Delaware	
11.619	I	4,836	-	-	Arrangements for Interdisciplinary Research Infrastructure	S 1266-15A	Youngstown State University	
11.620	D	5,500	-	-	Science, Technology, Business and/or Education Outreach			
11.999	D	57,858	3,135	-	Marine Debris Program			
11.RD	D	510,630	142,406	-	U. S. Department of Commerce			A17-0434-001
11.RD	I	132,137	-	-	U. S. Department of Commerce	G001-UNC-CH-16-001	CSS-Dynamac	A17-1103-001
11.RD	I	102,592	-	-	U. S. Department of Commerce	TASK ORDER#2017-2967	Synoptic Data	TASK ORDER#2017-2967
11.RD	I	95,388	-	-	U. S. Department of Commerce	UTA13-000443	University Of Texas - Austin	UTA13-000443
		<u>14,478,677</u>	<u>1,574,797</u>		Total — Research and Development — U. S. Department of Commerce			
<b>U. S. Department of Defense</b>								
12.300	D	5,221,750	1,333,049	-	Basic and Applied Scientific Research			
12.300	I	46,993	-	-	Basic and Applied Scientific Research	17-206	Arizona State University	
12.300	I	4,824	-	-	Basic and Applied Scientific Research	36150-Z8908002	University of Maryland at College Park	
12.300	I	9,739	-	-	Basic and Applied Scientific Research	13224200	Woods Hole Oceanographic Institution	
12.351	D	647,277	52,956	-	Scientific Research - Combating Weapons of Mass Destruction			
12.351	I	(3,329)	-	-	Scientific Research - Combating Weapons of Mass Destruction	UNC-0014	908 Devices, Inc.	
12.351	I	18,403	-	-	Scientific Research - Combating Weapons of Mass Destruction	UNIV59846	Vanderbilt University	
12.355	D	163,243	-	-	Pest Management and Vector Control Research			
12.360	D	213,666	-	-	Research on Chemical and Biological Defense			
12.360	I	86,385	-	-	Research on Chemical and Biological Defense	S-10456-01	Geneva Foundation	
12.360	I	1,960	-	-	Research on Chemical and Biological Defense	S-1434-01 W911QY-15	Geneva Foundation	
12.420	D	2,642,976	167,942	-	Military Medical Research and Development			
12.420	I	11,004	-	-	Military Medical Research and Development	W81XWH-08-1-0683	American Burn Association	
12.420	I	(462)	-	-	Military Medical Research and Development	313-0474	Duke University	
12.420	I	53,275	-	-	Military Medical Research and Development	S-10495-01	Geneva Foundation	
12.420	I	55,331	-	-	Military Medical Research and Development	S-1435-01	Geneva Foundation	
12.420	I	5,311	-	-	Military Medical Research and Development	V-1357-06	Geneva Foundation	
12.420	I	192,855	-	-	Military Medical Research and Development	3150/ 855506	Henry M Jackson Foundation	
12.420	I	232,139	-	-	Military Medical Research and Development	W81XWH-14-2-0151	Medical College of Wisconsin	
12.420	I	5,164	-	-	Military Medical Research and Development	60046663	Ohio State University	
12.420	I	35,439	-	-	Military Medical Research and Development	R19191	Rice University	
12.420	I	19,963	-	-	Military Medical Research and Development	410003856	University Health Network	
12.420	I	36,732	-	-	Military Medical Research and Development	UFDSP00011535	University of Florida	
12.420	I	4,388	-	-	Military Medical Research and Development	3200001006-17-129/ 7	University of Kentucky Research Foundation	
12.420	I	162,783	-	-	Military Medical Research and Development	GG12011 154266	University of Virginia	
12.420	I	(32,996)	-	-	Military Medical Research and Development	12078/ UWSC8821	University of Washington	
12.420	I	62,868	-	-	Military Medical Research and Development	VUMC62768	Vanderbilt University	
12.420	I	19,980	-	-	Military Medical Research and Development	WFUHS 115740	Wake Forest University Health Sciences	
12.420	I	46,803	-	-	Military Medical Research and Development	C16J12288 (J00244)	Yale University	
12.420	I	89,555	-	-	Military Medical Research and Development	C16J12325 (J00246)	Yale University	
12.431	D	6,285,314	1,008,680	-	Basic Scientific Research			
12.431	I	(1)	-	-	Basic Scientific Research	00000821	Brown University	

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
12.431	I	(2,278)	-	Basic Scientific Research	W911NF-12-2-0064/15-001	Cree, Inc.	
12.431	I	67	-	Basic Scientific Research	14-ARO-1098	Duke University	
12.431	I	1,500	-	Basic Scientific Research	14-ARO-1099	Duke University	
12.431	I	36,477	-	Basic Scientific Research	X16-8327-NCSU	National Institute of Aerospace	
12.431	I	431	-	Basic Scientific Research	504081-78051	Northeastern University	
12.431	I	24,886	-	Basic Scientific Research	E256GVA026	University of California at Merced	
12.431	I	124,124	-	Basic Scientific Research	0160 G UA560	University of California-Los Angeles	
12.431	I	4,968	-	Basic Scientific Research	Z845802	University of Maryland	
12.431	I	54,622	-	Basic Scientific Research	10593502	University of Southern California	
12.431	I	60,435	-	Basic Scientific Research	92689088	University of Southern California (USC)	
12.598	D	332,913	135,472	Centers for Academic Excellence			
12.630	D	1,452,169	-	Basic, Applied, and Advanced Research in Science and Engineering			
12.630	I	14,692	-	Basic, Applied, and Advanced Research in Science and Engineering	001	Affoa	
12.630	I	15,528	-	Basic, Applied, and Advanced Research in Science and Engineering	15-16-08 / 0220160017	Dmdii	
12.630	I	125,209	12,766	Basic, Applied, and Advanced Research in Science and Engineering	W911SR-14-0001-0002, D01-W911SR-14-2-0001-0024, W911SR-14-0001	MSI Consortium	
12.750	I	174,790	-	Uniformed Services University Medical Research Projects	2830084	Duke University	
12.750	I	79	-	Uniformed Services University Medical Research Projects	3967 (PO #916153)	Henry M Jackson Foundation	
12.800	D	3,721,160	545,716	Air Force Defense Research Sciences Program			
12.800	I	21,512	-	Air Force Defense Research Sciences Program	15-698	Arizona State University	
12.800	I	(11)	-	Air Force Defense Research Sciences Program	10008276-NCSU	Bowling Green State University	
12.800	I	30,021	-	Air Force Defense Research Sciences Program	X16-9280-NCSU	National Institute of Aerospace	
12.800	I	237,756	-	Air Force Defense Research Sciences Program	5011-NCSU-AFOSR-0067	Pennsylvania State University	
12.800	I	287,027	-	Air Force Defense Research Sciences Program	010635-002	University of Cincinnati	
12.800	I	38,490	-	Air Force Defense Research Sciences Program	085341-16309	University of Illinois- Urbana	
12.800	I	197,533	-	Air Force Defense Research Sciences Program	25-1123-0042-002	University of Nebraska at Lincoln	
12.800	I	86,538	-	Air Force Defense Research Sciences Program	450477-19071	Virginia Polytechnic Institute and State University	
12.901	D	110,716	-	Mathematical Sciences Grants			
12.902	D	10,654,290	4,334,490	Information Security Grants			
12.910	D	7,141,477	3,366,459	Research and Technology Development			
12.910	I	57,555	-	Research and Technology Development	3130714	Duke University	
12.910	I	229,937	-	Research and Technology Development	N/A	Massachusetts General Hospital	
12.910	I	1,202,004	-	Research and Technology Development	60060483	Ohio State University	
12.910	I	194,701	-	Research and Technology Development	2016-2194	Profusa, Inc.	
12.910	I	142,956	-	Research and Technology Development	W911NF-16-1-0341	Profusa, Inc.	
12.910	I	64,248	-	Research and Technology Development	00009160	University of Cal- Berkeley	
12.910	I	20,899	-	Research and Technology Development	49738-Z9315101	University of Maryland	
12.910	I	45,587	-	Research and Technology Development	A005959601	University of Minnesota	
12.RD	D	972,133	286,444	U. S. Department of Defense			210158
12.RD	D	825,069	544,223	U. S. Department of Defense			210169
12.RD	D	26,427	-	U. S. Department of Defense			210173
12.RD	D	196,172	-	U. S. Department of Defense			210183
12.RD	D	42,302	-	U. S. Department of Defense			210185
12.RD	D	72,886	-	U. S. Department of Defense			210188
12.RD	D	71,813	-	U. S. Department of Defense			210199
12.RD	D	27,122	-	U. S. Department of Defense			210205
12.RD	D	130,196	70,655	U. S. Department of Defense			A14-0166-001
12.RD	D	47,678	-	U. S. Department of Defense			A16-1387-001
12.RD	D	14,598	-	U. S. Department of Defense			A17-0220-001
12.RD	D	3,282	-	U. S. Department of Defense			A17-0233-001
12.RD	D	631,930	204,946	U. S. Department of Defense			A17-1205-001
12.RD	D	52,327	-	U. S. Department of Defense			A18-0086-001
12.RD	D	18,000	-	U. S. Department of Defense			A18-0258-001
12.RD	D	18,750	-	U. S. Department of Defense			A18-0673-001
12.RD	D	22,119	-	U. S. Department of Defense			A18-1156-001
12.RD	I	92,590	-	U. S. Department of Defense	2016-0408	Adroit Materials, Inc.	W56KGU-15-C-0052
12.RD	I	14,994	-	U. S. Department of Defense	2016-3075	Adroit Materials, Inc.	N-68936-16-C-0059
12.RD	I	165,318	-	U. S. Department of Defense	2017-0194	Adroit Materials, Inc.	W911NF-16-C-0101
12.RD	I	2,056	-	U. S. Department of Defense	2017-1328	Adroit Materials, Inc.	W911NF-16-P-0038
12.RD	I	23,314	-	U. S. Department of Defense	2018-0858	Adroit Materials, Inc.	15-082-01-39



Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
12.RD	I	25,223	-	U. S. Department of Defense	30668	Advanced Cooling Technologies	H999917P0060
12.RD	I	2,779	-	U. S. Department of Defense	S-001542.11.NCSU	Applied Research Assoc. (Ara)	W911NF-12-C-0067
12.RD	I	155,768	-	U. S. Department of Defense	S-002752.02.BASIC.UN	Applied Research Associates, Inc.	A15-1715-001
12.RD	I	387,949	-	U. S. Department of Defense	S-255-003253-01-UNC	Applied Research Associates, Inc.	A17-1640-001
12.RD	I	(46,937)	-	U. S. Department of Defense	N/A	Banyan Systems, Inc.	A13-1387-001
12.RD	I	51,221	-	U. S. Department of Defense	541168 / US001-0000541168	Battelle Memorial Institute	W911NF-11-D-0001
12.RD	I	(2)	-	U. S. Department of Defense	16-3485	BioMojo, LLC	A17-0719-001
12.RD	I	41,146	-	U. S. Department of Defense	N/A	BioMojo, LLC	A18-0820-001
12.RD	I	138,255	-	U. S. Department of Defense	108781SB3J	Booz Allen Hamilton, Inc.	FA8650-12-D-3211
12.RD	I	218,166	-	U. S. Department of Defense	15-0459	Brigham Young University	W900KK-15-C-0028
12.RD	I	727	-	U. S. Department of Defense	20160213	CFD Research Corporation (CFDRC)	W81XWH-14-C-0034
12.RD	I	205,683	-	U. S. Department of Defense	2016-2913	Calabazas Creek Research, Inc.	N00253-16-C-002
12.RD	I	57,713	-	U. S. Department of Defense	1990443-376508	Carnegie Mellon University	W911QY-17-C-0021
12.RD	I	(171)	-	U. S. Department of Defense	NCAT 16-S7700-03-C2	Clarkson Aerospace	280931
12.RD	I	19,151	-	U. S. Department of Defense	NCAT K16-S7700-03-C2	Clarkson Aerospace	280952
12.RD	I	4,752	-	U. S. Department of Defense	SUB# NCAT D 18-S7700-04-C2	Clarkson Aerospace	281001
12.RD	I	9,888	-	U. S. Department of Defense	SUBC NO: NCAT 16-S7700-04-C2	Clarkson Aerospace	280920
12.RD	I	1,510	-	U. S. Department of Defense	2016-SC003	Coherent Technical Serv, Inc.	N68335-16-C-0264
12.RD	I	35,621	-	U. S. Department of Defense	2017-SC003	Coherent Technical Serv, Inc.	N68335-18-C-0007
12.RD	I	2,033	-	U. S. Department of Defense	2014-2227	Computational Sciences, LLC	W911NF-11-C-0245
12.RD	I	89,254	-	U. S. Department of Defense	CV17010-01	Control Vision, Inc.	FA8650-16-C-2717
12.RD	I	18,350	-	U. S. Department of Defense	CVI7007-01	Control Vision, Inc.	FA8650-14-C-2434
12.RD	I	(2,339)	-	U. S. Department of Defense	CVI7008-01	Control Vision, Inc.	CVI7008-01
12.RD	I	98,645	-	U. S. Department of Defense	86956	Creare, Inc.	A17-0988-001
12.RD	I	17,700	-	U. S. Department of Defense	88906	Creare, Inc.	N68335-17-C-0405
12.RD	I	46,452	-	U. S. Department of Defense	17-0128-24-6103	Dignitas Technologies, LLC	N61340-14-C-6103
12.RD	I	48,026	-	U. S. Department of Defense	17-0228-24-6103	Dignitas Technologies, LLC	N61340-14-C-6103
12.RD	I	3,198	-	U. S. Department of Defense	1003025.0025	Ecology And Environment, Inc.	Great Klakes Restoration
12.RD	I	89,964	-	U. S. Department of Defense	N/A	Energy Materials Corporation	A18-0535-001
12.RD	I	119	-	U. S. Department of Defense	2014-0517	Energy-To-Power Solutions(E2p)	FA8650-12-M-2252
12.RD	I	14,689	-	U. S. Department of Defense	SUBCONTRACT/PO #PS180003	Engineering Research and Consulting, Inc.	281010
12.RD	I	99,914	-	U. S. Department of Defense	2016-0630	Firstpass Engineering	N00014-14-C-0033
12.RD	I	224	-	U. S. Department of Defense	SUBK_NC A&T-S01_STEM	General Informatics, Inc.	280866
12.RD	I	27,816	-	U. S. Department of Defense	S-40037-0013-01	Geneva Foundation	A18-0822-001
12.RD	I	413,985	-	U. S. Department of Defense	RH512-G1	Georgia Institute of Technology Research	A17-0825-001
12.RD	I	(2,025)	-	U. S. Department of Defense	TO# 2017-0460	Imagineoptix Corp	FA8650-15-C-1859
12.RD	I	(2,903)	-	U. S. Department of Defense	210-001-2015-NCSU	Institute For Wildlife Studies	W912HQ-15-C-0051
12.RD	I	43,919	-	U. S. Department of Defense	K002216-00-S01	Kitware, Inc.	W911NF-17-P-0038
12.RD	I	19,834	-	U. S. Department of Defense	4102294416	Lockheed Martin	A15-1652-001
12.RD	I	(553)	-	U. S. Department of Defense	342901NCSU	Luna Innovations, Inc.	W911QY-16-P-0273
12.RD	I	16,774	-	U. S. Department of Defense	342902NCSU	Luna Innovations, Inc.	W911QY-18-C-0003
12.RD	I	29,150	-	U. S. Department of Defense	349001NCSU	Luna Innovations, Inc.	W911QY-17-P-0129
12.RD	I	(1,188)	-	U. S. Department of Defense	MSI STEM R&D #1	MSRDC	280910
12.RD	I	370	370	U. S. Department of Defense	MSI STEM R&D #2	MSRDC	280911
12.RD	I	188,225	49,602	U. S. Department of Defense	SUB# D01-W911SR-14-2-0001-0019	MSRDC	280978
12.RD	I	86,043	-	U. S. Department of Defense	SUB# D01-W911SR-14-2-001-0026	MSRDC	2810

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

Federal	CFDA	Direct /	Program	Amount	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
Number	Indirect	Expenditures	Subrecipients	Provided to				
12.RD	I	405,738	-	U. S. Department of Defense	888-11-16-04/5-312-0	Research Triangle Institute (RTI International)	A13-0588-001	
12.RD	I	2,674	-	U. S. Department of Defense	SUBCONTRACT# P010223357	SAIC	280961	
12.RD	I	16,357	-	U. S. Department of Defense	SCEEE-17-01	SCEEE	280975	
12.RD	I	13,475	-	U. S. Department of Defense	1031-NCSU 1707	Sa Photonics	N00014-16-P-3045	
12.RD	I	20,358	-	U. S. Department of Defense	1049-NCSU 1802	Sa Photonics	W911SR-18-C-0005	
12.RD	I	1,427	-	U. S. Department of Defense	PO #2009-NCS1404	Sa Photonics	W911SR-14-C-0016	
12.RD	I	(9,645)	-	U. S. Department of Defense	Departmental Approval In Process	Scientific Research Corporation (SRC)	280809	
12.RD	I	59,885	-	U. S. Department of Defense	W911NF-17-P-0053	Storagenergy Tech, Inc.	W911NF-17-P-0053	
12.RD	I	26,238	-	U. S. Department of Defense	SA-NCSU-3767	Strategic Analysis, Inc.	W911NF-12-C-0035	
12.RD	I	66,532	-	U. S. Department of Defense	W912HQ-17-C-0028	Strategic Environmental Research & Dev Program	W912HQ-17-C-0028	
12.RD	I	6,168	-	U. S. Department of Defense	W912HQ18C0013	Strategic Environmental Research & Dev Program	W912HQ18C0013	
12.RD	I	19,580	-	U. S. Department of Defense	114-01	Sys Mat'L Res Corp, Smrc	SP4701-17-P-0049	
12.RD	I	70,989	-	U. S. Department of Defense	TS16-16-61-001	Taitech, Inc.	FA8650-14-D-2316	
12.RD	I	181,193	-	U. S. Department of Defense	W911NF1220022	The John Hopkins University	280958	
12.RD	I	11,176	-	U. S. Department of Defense	TSI-2515-17-106536	Triton Systems, Inc.	FA9101-17-P-0095	
12.RD	I	35,974	-	U. S. Department of Defense	S-140-040-002	Ues, Inc.	N6833517C0326	
12.RD	I	(1,874)	-	U. S. Department of Defense	11-S590-0004-02-C18	Universal Technology Corporation	280652	
12.RD	I	10,885	8,389	U. S. Department of Defense	SUBAWARD NO: RSC15001	University of Dayton Research Institute	280841	
12.RD	I	(3,666)	-	U. S. Department of Defense	316091	University of Maryland	280510	
12.RD	I	117,822	-	U. S. Department of Defense	3003179758	University of Michigan (UMICH)	A15-1710-001	
12.RD	I	22,812	-	U. S. Department of Defense	SUBAWARD NO:A18-0372-S001	University of Tennessee at Chattanooga	281004	
12.RD	I	68,093	-	U. S. Department of Defense	2018-0174	Vadum, Inc.	W911NF-17-C-0086	
12.RD	I	19,646	-	U. S. Department of Defense	WFUHS 114178	Wake Forest University Baptist Medical Center	280932	
		51,266,530	12,143,768	Total — Research and Development — U. S. Department of Defense				
<b><u>U. S. Central Intelligence Agency</u></b>								
13.RD	D	113,458	-	U.S. Central Intelligence Agency			2014-14082600004	
13.RD	D	191,804	-	U.S. Central Intelligence Agency			A16-0697-001	
		305,262	-	Total — Research and Development — U. S. Central Intelligence Agency				
<b><u>U. S. Department of Housing and Urban Development</u></b>								
14.506	D	5,548	-	General Research and Technology Activity				
14.536	I	94,887	-	Research and Evaluations, Demonstrations, and Data Analysis and Utilization	FR-5800-N-26	Manpower Demonstration Research Corporation		
14.906	D	30,105	-	Healthy Homes Technical Studies Grants				
14.RD	I	24,229	18,430	U. S. Department of Housing and Urban Development	2013-5-35 MBE	A.P. Sloan Found.	2013-5-35 MBE	
14.RD	I	8,347	-	U. S. Department of Housing and Urban Development	48106	Abt Associates, Inc.	A17-1656-001	
		163,116	18,430	Total — Research and Development — U. S. Department of Housing and Urban Development				
<b><u>U. S. Department of Interior</u></b>								
15.231	I	41,113	-	Fish, Wildlife and Plant Conservation Resource Management	L15AC00032	Chicago Botanic Gardens		
15.232	D	128,266	-	Wildland Fire Research and Studies				
15.423	D	55,855	46,823	Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)				
15.560	D	1,946	-	SECURE Water Act - Research Agreements				
15.605	I	14,627	-	Sport Fish Restoration	2016-000069	Puerto Rico Denr		
15.605	I	49,324	-	Sport Fish Restoration	2016-000069-A	Puerto Rico Denr		
15.611	I	(3,559)	-	Wildlife Restoration and Basic Hunter Education	2015-000141	Puerto Rico Denr		
15.611	I	115,122	-	Wildlife Restoration and Basic Hunter Education	2016-000092	Puerto Rico Denr		
15.630	D	20,390	-	Coastal				
15.650	D	52,481	-	Research Grants (Generic)				
15.663	I	1,582	-	National Fish and Wildlife Foundation	1701.14.046069	National Fish and Wildlife Foundation		
15.663	I	325,792	-	National Fish and Wildlife Foundation	8020.16.054141	National Fish and Wildlife Foundation		
15.669	D	38,187	-	Cooperative Landscape Conservation				
15.678	D	21,023	-	Cooperative Ecosystem Studies Units				
15.805	D	143,830	128,291	Assistance to State Water Resources Research Institutes				
15.807	D	28,926	-	Earthquake Hazards Program Assistance				
15.808	D	390,183	-	U.S. Geological Survey Research and Data Collection				
15.810	D	29,726	-	National Cooperative Geologic Mapping				
15.812	D	1,052,513	-	Cooperative Research Units				
15.820	D	1,221,747	293,264	National and Regional Climate Adaptation Science Centers				
15.944	I	28,851	-	Natural Resource Stewardship	17-01	Western States Air Resources Council (WESTAR)		

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
15.945	D	561,162	24,158	Cooperative Research and Training Programs - Resources of the National Park System			
15.954	D	107,913	-	National Park Service Conservation, Protection, Outreach, and Education			
15.RD	D	907	-	U. S. Department of Interior			A17-0211-001
15.RD	I	16,929	-	U. S. Department of Interior	NCOUA101339072017	Nature Conservancy	F12AC01516
		<u>4,444,836</u>	<u>492,536</u>	Total — Research and Development — U. S. Department of Interior			
<b><u>U. S. Department of Justice</u></b>							
16.026	I	30,859	-	OVW Research and Evaluation Program	F-FY17-82-058	Center For Court Innovations	
16.320	I	5,654	-	Services for Trafficking Victims	N/A	Restore NYC	
16.525	D	266,942	-	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
16.560	D	985,374	-	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.560	I	42,845	-	National Institute of Justice Research, Evaluation, and Development Project Grants	5-321-0215513-52954L	Research Triangle Institute (RTI International)	
16.560	I	195,223	-	National Institute of Justice Research, Evaluation, and Development Project Grants	2016-IJ-CX-0016	Vera Institute of Justice	
16.601	D	31,113	-	Corrections Training and Staff Development			
16.745	I	22,759	-	Criminal and Juvenile Justice and Mental Health Collaboration Program	1800000195	Durham County Office of the Sheriff	
		<u>1,580,769</u>	<u>-</u>	Total — Research and Development — U. S. Department of Justice			
<b><u>U. S. Department of Labor</u></b>							
17.502	D	75,279	-	Occupational Safety and Health Susan Harwood Training Grants			
17.RD	D	3,200	-	U. S. Department of Labor			A17-1434-001
		<u>78,479</u>	<u>-</u>	Total — Research and Development — U. S. Department of Labor			
<b><u>U. S. Department of State</u></b>							
19.040	D	2,080	(2,484)	Public Diplomacy Programs			
19.415	D	85,195	(52,736)	Professional and Cultural Exchange Programs - Citizen Exchanges			
19.415	I	19,197	(14,564)	Professional and Cultural Exchange Programs - Citizen Exchanges	S-ECAGD-15-CA-1073 (	American Association of Museums (AAM)	
19.415	I	49,153	-	Professional and Cultural Exchange Programs - Citizen Exchanges	S-ECAGD-16-CA-1120	Meridian International Center	
19.501	D	279,667	8,750	Public Diplomacy Programs for Afghanistan and Pakistan			
19.RD	D	14,484	11,047	U. S. Department of State			A17-0516-001
19.RD	I	87,992	-	U. S. Department of State	N/A	The Colombo Plan Secretariat	A16-1605-001
		<u>537,768</u>	<u>(49,987)</u>	Total — Research and Development — U. S. Department of State			
<b><u>U. S. Department of Transportation</u></b>							
20.108	I	(33,570)	-	Aviation Research Grants	4500001709	Boston University	
20.108	I	1,136	-	Aviation Research Grants	4500001937	Boston University	
20.109	D	350,025	-	Air Transportation Centers of Excellence			
20.200	D	704,470	86,814	Highway Research and Development Program			
20.200	I	(4,316)	-	Highway Research and Development Program	SUB0000607/HR 20-05(	National Academies	
20.200	I	159,800	72,362	Highway Research and Development Program	HR 15-63 / UNIT 905	National Academy of Sciences	
20.200	I	95,544	50,594	Highway Research and Development Program	HR 17-78 SUB0000919	National Academy of Sciences	
20.200	I	15,496	3,571	Highway Research and Development Program	HR 17-83 SUB0001094	National Academy of Sciences	
20.200	I	18,771	-	Highway Research and Development Program	207HAG573	Portland State University	
20.215	D	15,340	-	Highway Training and Education			
20.215	I	7,455	-	Highway Training and Education	KCS AGREEMENT DATED 11-15-16	Knox County School Systems	
20.701	D	1,999,158	915,490	University Transportation Centers Program			
20.701	I	1,563	-	University Transportation Centers Program	206KOT565	Portland State University	270128
20.701	I	2,649	-	University Transportation Centers Program	207MCN580	Portland State University	A11-1251-001
20.701	I	35,928	-	University Transportation Centers Program	UFDSP00011674	University of Florida	A12-0480-001
20.701	I	124,800	-	University Transportation Centers Program	UFDSP00011676	University of Florida	A17-1332-001
20.701	I	52,305	-	University Transportation Centers Program	5893-Z9600001	University of Maryland	A18-0228-001
20.701	I	104,508	-	University Transportation Centers Program	5893-Z9600001	University of Maryland, College Park	
20.701	I	20,278	-	University Transportation Centers Program	A14-0490-S006	University of Tennessee	
20.RD	D	925,513	390,696	U. S. Department of Transportation			
20.RD	D	255,858	148,534	U. S. Department of Transportation			
20.RD	D	184,649	114,434	U. S. Department of Transportation			
20.RD	D	20,842	-	U. S. Department of Transportation			
20.RD	D	69,883	7,877	U. S. Department of Transportation			
20.RD	D	136,129	-	U. S. Department of Transportation			
20.RD	I	79,511	-	U. S. Department of Transportation	025-5-1-042	Alaska Dot	DTFH6117C00037 4000(142)

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
20.RD	I	80,328	-	U. S. Department of Transportation	02563018	Alaska Dot	4000(162)
20.RD	I	59,572	-	U. S. Department of Transportation	02563019	Alaska Dot	4000(161)
20.RD	I	73,467	-	U. S. Department of Transportation	25183004	Alaska Dot	HFHWY00089
20.RD	I	199,179	-	U. S. Department of Transportation	S-001986-NCSU-00 14-00560	Applied Research Assoc. (Ara)	DTFH61-13-C-00025
20.RD	I	28,471	-	U. S. Department of Transportation	4562FHWA-UNC-1	Cadmus Group	A18-0498-001
20.RD	I	15,537	-	U. S. Department of Transportation	18135_11074	Kittelson & Associates, Inc.	DTFH61-12-D-00049
20.RD	I	(584)	-	U. S. Department of Transportation	19419 / 11074	Kittelson & Associates, Inc.	FHWA-HOP-14-008
20.RD	I	80,402	-	U. S. Department of Transportation	P010196045	Leidos, Inc. (Formerly Saic)	HRDO432016037
20.RD	I	42	-	U. S. Department of Transportation	20PO002036	Louis Berger Group, Inc.	2001739.006
20.RD	I	74,380	-	U. S. Department of Transportation	RC103194NCAT	Michigan State University	280796
20.RD	I	106,862	-	U. S. Department of Transportation	HR 03-113 / SUB0000490	National Academy of Sciences	DTFH61-13-H-00024
20.RD	I	10,157	7,094	U. S. Department of Transportation	HR 03-62	National Academy of Sciences	A02-0884-001
20.RD	I	36,644	-	U. S. Department of Transportation	HR 09-54	National Academy of Sciences	DTFH61-13-H-00024
20.RD	I	103,931	67,020	U. S. Department of Transportation	HR 17-72	National Academy of Sciences	A15-1512-001
20.RD	I	22,945	22,945	U. S. Department of Transportation	HR-03-113	National Academy of Sciences	DTFH61-13-H-00024
20.RD	I	-	-	U. S. Department of Transportation	SUB0000104/HR1756	National Academy of Sciences	A12-1512-001
20.RD	I	95,829	48,919	U. S. Department of Transportation	SUB0000698 HR 17-73	National Academy of Sciences	A15-1454-001
20.RD	I	4,561	3,145	U. S. Department of Transportation	90975	North Carolina Capital Area Metropolitan Planning Organization	90975
20.RD	I	94,101	-	U. S. Department of Transportation	RF01354864	Ohio State University	280799
20.RD	I	99,682	-	U. S. Department of Transportation	DTPH5616C00001	Pipeline & Hazardous Materials	DTPH5616C00001
20.RD	I	(2)	-	U. S. Department of Transportation	UF-EIES-1200008-UNC	Southeastern Transportation Research, Inc.	A12-1152-001
20.RD	I	10,496	-	U. S. Department of Transportation	5480	Toole Design Group	A15-1708-001
20.RD	I	24,037	-	U. S. Department of Transportation	7078/ DTNH2216C00017	Toole Design Group	A17-0630-001
20.RD	I	38,100	-	U. S. Department of Transportation	2016-015	Toxcel, LLC	DTNH2217F00153
20.RD	I	7,124	-	U. S. Department of Transportation	N/A	TransAnalytics	A16-0840-001
20.RD	I	1,346	-	U. S. Department of Transportation	TDMNCSU17	Triangle J Council of Government	TDMNCSU17 (USDOT)
20.RD	I	42,462	-	U. S. Department of Transportation	TDMNCSU18	Triangle J Council of Government	TDMNCSU18 (USDOT)
20.RD	I	20,138	-	U. S. Department of Transportation	AMEND #5 / UFDSP00011674	University of Florida	UFDSP00011674
20.RD	I	13,046	-	U. S. Department of Transportation	AMEND 3 / UFDSP00011674	University of Florida	UFDSP00011674
20.RD	I	10,216	-	U. S. Department of Transportation	AMEND. #2 / UFDSP00011674	University of Florida	UFDSP00011674
20.RD	I	7,374	-	U. S. Department of Transportation	AMEND. #4 / UFDAP00011674	University of Florida	UFDSP00011674
20.RD	I	30,990	-	U. S. Department of Transportation	TASK ORDER 13-NCA&T-E1	University of Tennessee at Knoxville	280797
20.RD	I	8,502	-	U. S. Department of Transportation	38049-01	Vanasse Hangen Brustlin, (VHB) Inc.	A10-1687-001
20.RD	I	191,861	-	U. S. Department of Transportation	38110-01	Vanasse Hangen Brustlin, (VHB) Inc.	A13-0948-001
20.RD	I	190,163	-	U. S. Department of Transportation	38541-15	Vanasse Hangen Brustlin, (VHB) Inc.	A16-1355-001
20.RD	I	740,258	-	U. S. Department of Transportation	38617-23	Vanasse Hangen Brustlin, (VHB) Inc.	A17-1457-001
		<u>7,865,342</u>	<u>1,939,495</u>	Total — Research and Development — U. S. Department of Transportation			

**U. S. General Services Administration**

39.RD	I	10,801	-	U. S. General Services Administration	2017-120101	National Association of County and City	A18-0721-001
		<u>10,801</u>	-	Total — Research and Development — General Services Administration			

**U. S. Library of Congress**

42.RD	I	6,840	-	Library of Congress	N/A	Waynesburg University	A18-0509-001
		<u>6,840</u>	-	Total — Research and Development — U. S. Library of Congress			

**National Aeronautics and Space Administration**

43.001	D	1,850,130	608,533	Science			
43.001	I	100,735	-	Science	16-806	Arizona State University	
43.001	I	13,985	-	Science	15-PHY-209376-NCSU	Auburn University	
43.001	I	5,543	-	Science	4500002641	Boston University	
43.001	I	46,633	-	Science	NNX16AN91G	Goddard Space Flight Center	
43.001	I	(8,519)	-	Science	GO5-16069A	Smithsonian Astrophys Observatory	
43.001	I	43,475	-	Science	GO6-17062X	Smithsonian Astrophys Observatory	
43.001	I	46,788	-	Science	GO6-17070X	Smithsonian Astrophys Observatory	
43.001	I	14,946	-	Science	GO6-17071X	Smithsonian Astrophys Observatory	
43.001	I	37,751	-	Science	73175/SOMAS	State University of New York	
43.001	I	25,695	-	Science	Z16-85732	University Corporation Atmospheric Research	
43.001	I	21,279	-	Science	1295 G UA448	University of California at Los Angeles	
43.001	I	11,212	-	Science	1554953	University of Colorado at Boulder	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Provided to</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>			<b>Subrecipients</b>				
43.001	I	34,277	-	Science	RR100-633/4944176	University of Georgia	
43.001	I	1,351	-	Science	RR176-308/S001031	University of Georgia	
43.001	I	125,792	-	Science	18802	University of Massachusetts	
43.001	I	6,764	-	Science	3003899011	University of Michigan (UMICH)	
43.002	I	49,879	-	Aeronautics	SUBAWARD # 60061599	Ohio State University	
43.002	I	478,078	-	Aeronautics	17-3379	University of South Carolina	
43.003	D	171,163	7,932	Exploration			
43.007	D	139,926	-	Space Operations			
43.007	I	37,511	-	Space Operations	WFUHS 111777	Wake Forest University School of Medicine	
43.008	D	277,408	19,146	Education			
43.008	I	30,134	-	Education	49A24-A	NY City College Of Technology	
43.008	I	44,638	-	Education	C15-2B00-NCSU 401003-NCSU	National Institute of Aerospace	
43.008	I	12,758	-	Education	C15-2B00-NCSU 4504-NCSU	National Institute of Aerospace	
43.008	I	6,618	-	Education	C15-2B00-NCSU 4511-NCSU	National Institute of Aerospace	
43.008	I	9,572	-	Education	2015-1942-CH-03	North Carolina Space Grant Consortium	
43.009	D	11,011	-	Cross Agency Support			
43.012	D	41,039	-	Space Technology			
43.RD	D	89,804	-	National Aeronautics and Space Administration			A17-1014-001
43.RD	D	14,446	-	National Aeronautics and Space Administration			A17-1015-001
43.RD	D	26,593	-	National Aeronautics and Space Administration			A18-0493-001
43.RD	D	51,542	-	National Aeronautics and Space Administration			A18-1026-001
43.RD	D	142,746	31,776	National Aeronautics and Space Administration			NNX16AL68G
43.RD	I	17,662	-	National Aeronautics and Space Administration	DTM-3250-1248 (PHASE E)	Carnegie Inst. Of Wash.	DTM-3250-1248
43.RD	I	3,357	-	National Aeronautics and Space Administration	341201NCSU	Luna Innovations, Inc.	NNX16GJ51P
43.RD	I	41,647	-	National Aeronautics and Space Administration	C15-2B00-NCSU 2B43-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	161,370	-	National Aeronautics and Space Administration	C15-2B00-NCSU 301003-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	8,821	-	National Aeronautics and Space Administration	C15-2B00-NCSU 401004-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	47,663	-	National Aeronautics and Space Administration	C15-2B00-NCSU-201087-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	10,483	-	National Aeronautics and Space Administration	C15-2B00-NCSU-2B35-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	15,220	-	National Aeronautics and Space Administration	C15-2B00-NCSU-2D16-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	78,040	-	National Aeronautics and Space Administration	C15-2B00-NCSU-3774-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	1,959	-	National Aeronautics and Space Administration	NCSU-03-01-2A41-NC	National Institute of Aerospace	NNL13AA08B
43.RD	I	(74)	-	National Aeronautics and Space Administration	NCSU-03-01-4502-NC	National Institute of Aerospace	NNL13AA08B
43.RD	I	9,684	-	National Aeronautics and Space Administration	HST-AR-13884.004-A	Space Telescope Science Institute	HST-AR-13884.004-A
43.RD	I	(279)	-	National Aeronautics and Space Administration	HST-GO-13840.008-A	Space Telescope Science Institute	A15-0617-001
43.RD	I	107,834	-	National Aeronautics and Space Administration	HST-HF2-51357.001-A	Space Telescope Science Institute	A16-0620-001
43.RD	I	28,716	-	National Aeronautics and Space Administration	2016-2954	Third Floor Material	NNX16CL65P
43.RD	I	1,290	-	National Aeronautics and Space Administration	SOF 04-0167 BORKOWSKI	University Space Research Association	SOF 04-0167 BORKOWSKI
43.RD	I	16,387	-	National Aeronautics and Space Administration	RR176-303/S000861	University of Georgia	NNZ14AR89G
43.RD	I	244,213	-	National Aeronautics and Space Administration	C16-2B00-NCAT, ACTIVITY 3773-N	Virginia Polytechnic Institute and State University	280887
43.RD	I	(64,004)	-	National Aeronautics and Space Administration	NCAT-03-01	Virginia Polytechnic Institute and State University	280127
				Total — Research and Development — National Aeronautics and Space Administration			
		4,742,692	667,387				
<b><u>National Foundation on the Arts and the Humanities</u></b>							
45.024	D	94,849	-	Promotion of the Arts Grants to Organizations and Individuals			
45.024	I	3,528	-	Promotion of the Arts Grants to Organizations and Individuals	5236	UNCW Research Foundation	
45.129	I	(2,648)	-	Promotion of the Humanities Federal/State Partnership	2013-0775	Friedrich Schiller University	
45.129	I	11,409	-	Promotion of the Humanities Federal/State Partnership	GRANT # 17-32	North Carolina Humanities Council	
45.130	D	526	-	Promotion of the Humanities Challenge Grants			
45.149	D	119,183	-	Promotion of the Humanities Division of Preservation and Access			
45.160	D	92,886	-	Promotion of the Humanities Fellowships and Stipends			
45.161	D	12,055	5,829	Promotion of the Humanities Research			
45.163	D	69,059	-	Promotion of the Humanities Professional Development			
45.169	D	116,005	-	Promotion of the Humanities Office of Digital Humanities			
45.310	I	49,042	32,600	Grants to States	5264	North Carolina Library Services and Tech	
45.310	I	473,526	-	Grants to States	5271	North Carolina State Library	
45.312	D	3,902	-	National Leadership Grants			
45.312	I	97,152	-	National Leadership Grants	LG-71-17-0016-17	Educopia Institute	
45.312	I	21,272	-	National Leadership Grants	505135-78050	Northeastern University	
45.312	I	3,283	-	National Leadership Grants	18-3747	University of Texas at Arlington	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

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<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>	
45.312	I	30,900	-	National Leadership Grants	UTA16-000464	University of Texas at Austin		
45.313	D	375,880	-	Laura Bush 21st Century Librarian Program				
45.313	I	12,516	-	Laura Bush 21st Century Librarian Program	077281-15576	University of Illinois Board of Trustees		
45.RD	D	14,522	-	Federal Council on the Arts and the Humanities				A16-0247-001
45.RD	I	2,000	-	Federal Council on the Arts and the Humanities	17-22	North Carolina Humanities Council		A17-1320-001
		<u>1,600,847</u>	<u>38,429</u>	Total — Research and Development — National Foundation on the Arts and the Humanities				
<b><u>National Science Foundation</u></b>								
47.041	D	20,830,172	4,953,610	Engineering Grants				
47.041	I	3,357	-	Engineering Grants	2017-1295	Applied Lifesciences & Systems		
47.041	I	31,762	-	Engineering Grants	333-2272	Duke University		
47.041	I	4,928	-	Engineering Grants	SUBAWARD NO. C-4966	Florida A&M University		
47.041	I	173,742	-	Engineering Grants	SUBGRANT NO. RG314-G1	Georgia Institute of Technology		
47.041	I	2,590	-	Engineering Grants	S1863P-A	Oregon State University		
47.041	I	54,158	-	Engineering Grants	2014-0225	Physical Devices, LLC		
47.041	I	30,486	-	Engineering Grants	4101-76208	Purdue University		
47.041	I	1,804	-	Engineering Grants	28250-04301-S19	Syracuse University		
47.041	I	50,060	-	Engineering Grants	2016-3358	University of Cal - Irvine		
47.041	I	39,721	-	Engineering Grants	33791	University of Delaware		
47.041	I	6,904	-	Engineering Grants	A13-0112-S0001	University of Tennessee at Knoxville		
47.041	I	13,373	-	Engineering Grants	445524-19071	Virginia Polytechnic Institute and State University		
47.041	I	7,441	-	Engineering Grants	445524-19071A	Virginia Polytechnic Institute and State University		
47.049	D	19,132,107	3,595,972	Mathematical and Physical Sciences				
47.049	I	315,537	41,160	Mathematical and Physical Sciences	12-NSF-1026	Duke University		
47.049	I	41,349	-	Mathematical and Physical Sciences	12-NSF-1027	Duke University		
47.049	I	492,769	-	Mathematical and Physical Sciences	12-NSF-1029	Duke University		
47.049	I	2,973	-	Mathematical and Physical Sciences	15-S08	George Washington University		
47.049	I	35,357	-	Mathematical and Physical Sciences	25-0521-0184-022	The University of Nebraska Lincoln		
47.049	I	1,643	-	Mathematical and Physical Sciences	N/A	University of Nebraska at Lincoln		
47.049	I	49,974	-	Mathematical and Physical Sciences	572460	University of Pennsylvania		
47.049	I	89,738	-	Mathematical and Physical Sciences	0044297(011606-1)	University of Pittsburgh		
47.049	I	11,286	-	Mathematical and Physical Sciences	UWSC6729 - PO #: BPO6175	University of Washington		
47.049	I	110,504	-	Mathematical and Physical Sciences	UWSC6738/PO#BP07546	University of Washington		
47.049	I	29,747	-	Mathematical and Physical Sciences	124885_G003639	Washington State University		
47.049	I	32,305	-	Mathematical and Physical Sciences	16-296-NCSU	West Virginia University		
47.050	D	6,820,066	408,208	Geosciences				
47.050	I	10,556	-	Geosciences	0111-0452-000	Battelle Ecology, Inc.		
47.050	I	-	-	Geosciences	40F93-D	City University of New York (CUNY)		
47.050	I	18,980	-	Geosciences	AGREEMENT 9.1.2016	Claflin University		
47.050	I	19,543	-	Geosciences	Agreement 12 12 17	Claflin University		
47.050	I	49,846	-	Geosciences	1338606-010	Consortium of Universities for the Advan		
47.050	I	3,185	-	Geosciences	1338606-18-01	Consortium of Universities for the Advan		
47.050	I	516	-	Geosciences	15-NSF-1076	Duke University		
47.050	I	95,707	-	Geosciences	420-41-15A	Iowa State University		
47.050	I	15,876	-	Geosciences	2-581500-NCSU	Oklahoma State Univ.		
47.050	I	19,747	-	Geosciences	S1974A-B	Oregon State University		
47.050	I	8,444	-	Geosciences	208LUC613	Portland State University		
47.050	I	78,233	-	Geosciences	3004146004	University of Michigan		
47.070	D	13,982,831	944,188	Computer and Information Science and Engineering				
47.070	I	8,085	-	Computer and Information Science and Engineering	PO 9500013180	BBN Technologies		
47.070	I	39,416	-	Computer and Information Science and Engineering	602871	Christiana Care Health System		
47.070	I	98,770	-	Computer and Information Science and Engineering	1905-206-2011806	Clemson University		
47.070	I	214,959	-	Computer and Information Science and Engineering	11826	Education Development Center		
47.070	I	23,806	-	Computer and Information Science and Engineering	800004119-01UG	Florida International University		
47.070	I	1,547	-	Computer and Information Science and Engineering	800004823-01UG	Florida International University		
47.070	I	52,464	-	Computer and Information Science and Engineering	800005863-01UG	Florida International University		
47.070	I	36,486	-	Computer and Information Science and Engineering	800006701-01UG	Florida International University		
47.070	I	2,028	-	Computer and Information Science and Engineering	206FEN547	Portland State University		
47.070	I	25,663	-	Computer and Information Science and Engineering	4101-82988	Purdue University		
47.070	I	220,717	46,634	Computer and Information Science and Engineering	14564/PO#9500013132	Raytheon BBN Technologies Corp.		

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Federal CFDA	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
47.070	I	104,871	-	Computer and Information Science and Engineering	69159-1120129-2	SUNY at Stony Brook	
47.070	I	76,379	-	Computer and Information Science and Engineering	72170-1126587-2	SUNY at Stony Brook	
47.070	I	28,406	-	Computer and Information Science and Engineering	289687	University of Arizona	
47.070	I	50,919	-	Computer and Information Science and Engineering	FP057117-SP-A	University of Chicago	
47.070	I	72,420	26,384	Computer and Information Science and Engineering	714K545	University of Wisconsin at Madison	
47.070	I	20,287	-	Computer and Information Science and Engineering	201260-473	Utah State University	
47.074	D	11,936,562	1,817,237	Biological Sciences			
47.074	I	6,925	-	Biological Sciences	4500002542	Boston University	
47.074	I	131,033	-	Biological Sciences	16-04	Boyce Thompson Inst.	
47.074	I	1,194	-	Biological Sciences	3161/200201411	Cary Institute of Ecosystem Studies	
47.074	I	19,146	-	Biological Sciences	SUBAWARD # 2254/200201913	Cary Institute of Ecosystem Studies	
47.074	I	50,565	-	Biological Sciences	52570114/PO 920962-S	Cold Spring Harbor Laboratory	
47.074	I	130,664	-	Biological Sciences	52570214	Cold Spring Harbor Laboratory	
47.074	I	205,582	-	Biological Sciences	67183-10114	Cornell University	
47.074	I	83,758	-	Biological Sciences	420-66-08A	Iowa State University	
47.074	I	267,297	-	Biological Sciences	61-2075NC	Michigan State University	
47.074	I	14,715	-	Biological Sciences	20112101_NCSU	National Jewish Health	
47.074	I	55,078	-	Biological Sciences	IOS-1444561	National Science Foundation	
47.074	I	33,364	-	Biological Sciences	SUBAWARD # 207SCH588	Portland State University	
47.074	I	19,133	-	Biological Sciences	4101-77383	Purdue University	
47.074	I	21,425	-	Biological Sciences	57280A P3541 7802 21	SDSU Foundation	
47.074	I	76,031	-	Biological Sciences	R1041544	SUNY at Buffalo	
47.074	I	7,152	-	Biological Sciences	N/A	Salk Institute for Biological Studies	
47.074	I	36,885	-	Biological Sciences	PO209713	Salk Institute for Biological Studies	
47.074	I	-	-	Biological Sciences	SA0000295	San Diego State University (SDSU)	
47.074	I	42,311	-	Biological Sciences	61223139-121390	Stanford University	
47.074	I	66,938	-	Biological Sciences	131817	University of Arizona	
47.074	I	(169)	-	Biological Sciences	27184	University of Delaware	
47.074	I	20,778	-	Biological Sciences	PO# 40948	University of Delaware	
47.074	I	51,468	-	Biological Sciences	RF331-302/S001089	University of Georgia	
47.074	I	53,129	-	Biological Sciences	RR167-808/S000657	University of Georgia	
47.074	I	4,430	-	Biological Sciences	RR272-671/S001368	University of Georgia	
47.074	I	1,998	-	Biological Sciences	RR272-815/S054246	University of Georgia	
47.074	I	(725)	-	Biological Sciences	RR272-815/S054256	University of Georgia	
47.074	I	6,178	-	Biological Sciences	C000041922-2	University of Missouri - Columbia	
47.074	I	(139)	-	Biological Sciences	14-035	University of New Hampshire	
47.074	I	35,314	-	Biological Sciences	0038425(011514-1)	University of Pittsburgh	
47.074	I	-	-	Biological Sciences	UP1400249-A	University of South Dakota	
47.074	I	28,356	-	Biological Sciences	UP1600233A	University of South Dakota	
47.074	I	156	-	Biological Sciences	UTA10-000936	University of Texas	
47.074	I	123,560	-	Biological Sciences	GA11020-142300	University of Virginia	
47.074	I	(2,175)	-	Biological Sciences	478778-19467	Virginia Tech	
47.074	I	79,140	-	Biological Sciences	479498-19467	Virginia Tech	
47.075	D	2,397,458	248,144	Social, Behavioral, and Economic Sciences			
47.075	I	104,828	-	Social, Behavioral, and Economic Sciences	N/A	American Bar Foundation	
47.075	I	111,407	-	Social, Behavioral, and Economic Sciences	16-789	Arizona State University	
47.075	I	5,385	-	Social, Behavioral, and Economic Sciences	333-2368	Duke University	
47.075	I	49,756	-	Social, Behavioral, and Economic Sciences	RC104050NCSU	Michigan State University	
47.075	I	36,025	-	Social, Behavioral, and Economic Sciences	5460-UNC-NSF-8661	Pennsylvania State University	
47.075	I	24,011	-	Social, Behavioral, and Economic Sciences	61344013-122890	Stanford University	
47.075	I	18,901	-	Social, Behavioral, and Economic Sciences	078113-16102	University of Illinois at Urbana-Champaign	
47.075	I	11,278	-	Social, Behavioral, and Economic Sciences	ULRF 16-0243-001	University of Louisville Research Fdn, Inc.	
47.075	I	11,745	-	Social, Behavioral, and Economic Sciences	202435	University of Notre Dame	
47.075	I	53,863	-	Social, Behavioral, and Economic Sciences	A17-1027-S001	University of Tennessee	
47.076	D	17,601,906	1,178,061	Education and Human Resources			
47.076	I	198,054	-	Education and Human Resources	BU9610-001	Associated Universities, Inc	
47.076	I	42,196	-	Education and Human Resources	2011-1825	Carleton College	
47.076	I	(1,106)	-	Education and Human Resources	DUE-1125331	Carleton College	
47.076	I	236,525	-	Education and Human Resources	278-01.01	Concord Consortium	
47.076	I	20,909	-	Education and Human Resources	N/A	Council of Graduate Schools (CGS)	
47.076	I	105,751	-	Education and Human Resources	SUBAGREEMENT # 332-0252	Duke University	

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<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>Provided to</b>				
47.076	I	27,699	-		Education and Human Resources	R01899	Florida State University	
47.076	I	79,499	-		Education and Human Resources	BL-4842404-NCST/PO1881747	Indiana University	
47.076	I	40,637	-		Education and Human Resources	4691-UNCCH-NSF-6347	Pennsylvania State University	
47.076	I	4,772	-		Education and Human Resources	S150503	Prairie View A&M University	
47.076	I	7,491	-		Education and Human Resources	2015-3274	University of Cal - Irvine	
47.076	I	1,689	-		Education and Human Resources	1463898	University of Maryland	
47.076	I	12,450	-		Education and Human Resources	29778-Z4602001	University of Maryland, College Park	
47.076	I	42,847	-		Education and Human Resources	UWSC8731 / PO# BPO10762	University of Washington	
47.076	I	154,590	-		Education and Human Resources	564K340	University of Wisconsin at Madison	
47.076	I	58,985	-		Education and Human Resources	479780-19071	Virginia Polytechnic Institute and State University	
47.078	I	19,069	-		Polar Programs	ANT-0424589	University of Kansas	
47.079	D	398,346	22,066		Office of International Science and Engineering			
47.079	I	26,232	-		Office of International Science and Engineering	13-NSF-1035	Duke University	
47.079	I	24,048	-		Office of International Science and Engineering	UP1700296-UNC1	University of South Dakota	
47.080	D	170,217	53,406		Office of Cyberinfrastructure			
47.081	D	(3,650)	-		Office of Experimental Program to Stimulate Competitive Research			
47.083	D	660,255	142,015		Office of Integrative Activities			
47.RD	D	32,027	-		National Science Foundation			260308
47.RD	D	65,037	-		National Science Foundation			260314
47.RD	D	77,431	-		National Science Foundation			260315
47.RD	D	108,663	-		National Science Foundation			A15-0793-001
47.RD	D	176,366	-		National Science Foundation			A17-0922-001
47.RD	I	11,300	-		National Science Foundation	1622866	AxNano, LLC	280928
47.RD	I	31,483	-		National Science Foundation	SUBCONTRACT # IIP-1353584	Koli Medical	280964
47.RD	I	4,298	-		National Science Foundation	5879-NCNU-NSF-7396	Pennsylvania State University	86873
47.RD	I	38,451	-		National Science Foundation	PHYSICAL DEVICES-1	Physical Devices, Inc.	280955
		<u>100,702,721</u>	<u>13,477,085</u>		Total — Research and Development — National Science Foundation			
<b><u>U. S. Department of Veterans Affairs</u></b>								
64.034	D	46,748	18,390		VA Grants for Adaptive Sports Programs for Disabled Veterans and Disabled Members of the Armed Forces			
64.RD	D	7,626	-		U. S. Department of Veterans Affairs			A17-1353-001
64.RD	D	49,963	-		U. S. Department of Veterans Affairs			A17-1561-001
64.RD	D	49,895	-		U. S. Department of Veterans Affairs			A17-1562-001
64.RD	D	20,836	-		U. S. Department of Veterans Affairs			A17-1563-001
64.RD	D	13,512	-		U. S. Department of Veterans Affairs			A17-1722-001
64.RD	D	21,708	-		U. S. Department of Veterans Affairs			A18-0525-001
64.RD	D	14,702	-		U. S. Department of Veterans Affairs			A18-1092-001
64.RD	D	5,823	-		U. S. Department of Veterans Affairs			A18-1093-001
64.RD	D	6,506	-		U. S. Department of Veterans Affairs			A18-1094-001
64.RD	D	8,540	-		U. S. Department of Veterans Affairs			DVAMCIPA
		<u>245,859</u>	<u>18,390</u>		Total — Research and Development — U. S. Department of Veterans Affairs			
<b><u>U. S. Environmental Protection Agency</u></b>								
66.001	D	2,521,419	-		Air Pollution Control Program Support			
66.203	D	341,451	121,889		Environmental Finance Center Grants			
66.419	D	7,030,045	-		Water Pollution Control State, Interstate, and Tribal Program Support			
66.424	D	1,691,181	1,104,876		Surveys, Studies, Investigations, Demonstrations, and Training Grants - Section 1442 of the Safe Drinking Water Act			
66.456	I	10,189	-		National Estuary Program	S1702	Barnegat Bay Partnership	
66.460	I	46,421	-		Nonpoint Source Implementation Grants	2014-1966	Hendersonville, NC	
66.509	D	409,650	146,626		Science To Achieve Results (STAR) Research Program			
66.509	I	1,070	-		Science To Achieve Results (STAR) Research Program	G-58003-1	Colorado State University	
66.509	I	10,031	-		Science To Achieve Results (STAR) Research Program	G-58004-1	Colorado State University	
66.509	I	74,960	-		Science To Achieve Results (STAR) Research Program	1(GG010809)	Columbia University	
66.509	I	20,016	-		Science To Achieve Results (STAR) Research Program	3430538	Duke University	
66.509	I	66,375	-		Science To Achieve Results (STAR) Research Program	00060507-01	Missouri University of Science and Technology	
66.509	I	62,395	-		Science To Achieve Results (STAR) Research Program	E0191A-A	Oregon State University	
66.509	I	123,324	-		Science To Achieve Results (STAR) Research Program	2016-1630	Stockholm Environment Institute	
66.509	I	(7,698)	-		Science To Achieve Results (STAR) Research Program	06-S150652	Texas A&M Agrilife Research	
66.509	I	244,438	-		Science To Achieve Results (STAR) Research Program	06-S160606	Texas A&M Agrilife Research	



**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>Provided to</b>				
66.509	I	(408)	-		Science To Achieve Results (STAR) Research Program	06-S160630	Texas A&M Agrilife Research	
66.509	I	6,693	-		Science To Achieve Results (STAR) Research Program	UTA16-001140	University Of Texas - Austin	
66.509	I	270,220	-		Science To Achieve Results (STAR) Research Program	C16P12352 (P00385)	Yale University	
66.511	D	1,182,179	-		Office of Research and Development Consolidated Research/Training/Fellowships			
66.514	D	16,191	-		Science To Achieve Results (STAR) Fellowship Program			
66.608	D	26,546	-		Environmental Information Exchange Network Grant Program and Related Assistance			
66.708	D	79,729	-		Pollution Prevention Grants Program			
66.809	D	144,248	-		Superfund State and Indian Tribe Core Program Cooperative Agreements			
66.RD	D	709,357	72,412		U. S. Environmental Protection Agency			A13-0473-001
66.RD	D	182,741	4,162		U. S. Environmental Protection Agency			A15-0709-017
66.RD	D	1,810,763	1,186,224		U. S. Environmental Protection Agency			A15-0709-022
66.RD	D	573,824	28,730		U. S. Environmental Protection Agency			A16-1709-001
66.RD	I	16,252	-		U. S. Environmental Protection Agency	0393.00.017/01	Eastern Research Group, Inc.	0393.00.017/01
66.RD	I	19,178	-		U. S. Environmental Protection Agency	0393.01.017/01	Eastern Research Group, Inc.	0393.00.017/01
66.RD	I	(427)	-		U. S. Environmental Protection Agency	4944-RFA13-1/14-5-2	Health Effects Institute	HEI 4944-RFA13-1
66.RD	I	39,114	-		U. S. Environmental Protection Agency	4944-RFA13-1/14-5-3	Health Effects Institute	HEI 4944-RFA13-1
66.RD	I	15,852	-		U. S. Environmental Protection Agency	17EGPO0045	ICF Incorporated, LLC	A18-0457-001
66.RD	I	49,319	-		U. S. Environmental Protection Agency	2017-0311	Jacobs	EP-C-15-0008
66.RD	I	8,339	-		U. S. Environmental Protection Agency	16-312-0213199-52066L	Research Triangle Institute (RTI International)	EP-D-11-084
		<u>17,794,977</u>	<u>2,664,919</u>		Total — Research and Development — U. S. Environmental Protection Agency			
<b><u>U. S. Nuclear Regulatory Commission</u></b>								
77.006	D	17,506	-		U. S. Nuclear Regulatory Commission Nuclear Education Grant Program			
77.008	D	355,676	-		U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program			
77.RD	I	73,123	-		Nuclear Regulatory Commission	706K786	University of Wisconsin	NRC-HQ-60-16-E-0001
		<u>446,305</u>	-		Total — Research and Development — U. S. Nuclear Regulatory Commission			
<b><u>U. S. Department of Energy</u></b>								
81.049	D	9,625,593	877,791		Office of Science Financial Assistance Program			
81.049	I	(28,245)	-		Office of Science Financial Assistance Program	2015-2339	Adroit Materials, Inc.	
81.049	I	(11,675)	-		Office of Science Financial Assistance Program	SC0013830-001	American Superconductor Corp.	
81.049	I	55,326	-		Office of Science Financial Assistance Program	2017-2001	Calabazas Creek Research, Inc.	
81.049	I	19,824	-		Office of Science Financial Assistance Program	1(GG010862)	Columbia University	
81.049	I	(49)	-		Office of Science Financial Assistance Program	2014-2289	Drs Research	
81.049	I	16,703	-		Office of Science Financial Assistance Program	12-DOE-1077 (MOD 4)	Duke University	
81.049	I	15,102	-		Office of Science Financial Assistance Program	2018-1921	Genesic Semiconductor, Inc.	
81.049	I	(209)	-		Office of Science Financial Assistance Program	2016-2398	Lupine Materials & Technology	
81.049	I	130,348	-		Office of Science Financial Assistance Program	2018-0161	Lupine Materials & Technology	
81.049	I	166,168	-		Office of Science Financial Assistance Program	RC107830	Michigan State University	
81.049	I	141,152	-		Office of Science Financial Assistance Program	5026-NCSU-DOE-1090	Pennsylvania State University	
81.049	I	25,944	-		Office of Science Financial Assistance Program	68856	SUNY at Stony Brook	
81.049	I	73,110	-		Office of Science Financial Assistance Program	254998	Temple University	
81.049	I	42,335	-		Office of Science Financial Assistance Program	1551588/PO#1000375790	University of Colorado - Boulder	
81.049	I	6,727	-		Office of Science Financial Assistance Program	1555891 PO#1000911947	University of Colorado - Boulder	
81.049	I	267,258	-		Office of Science Financial Assistance Program	25-1215-0123-010	University of Nebraska at Lincoln	
81.049	I	22,592	-		Office of Science Financial Assistance Program	A18-0368-S001	University of Tennessee at Knoxville	
81.049	I	3,601	-		Office of Science Financial Assistance Program	UTA16-000651	University of Texas at Austin	
81.049	I	197,352	-		Office of Science Financial Assistance Program	WU-15-69 (PO#2922325Y)	Washington University-St Louis	
81.049	I	407,657	-		Office of Science Financial Assistance Program	WU-HT-10-09 PO: 2911086A	Washington University-St Louis	
81.057	D	727	-		University Coal Research			
81.086	D	6,915,573	5,380,328		Conservation Research and Development			
81.086	I	13,562	-		Conservation Research and Development	2015-2325	Intermolecular, Inc.	
81.086	I	178,565	-		Conservation Research and Development	16-707NCSU PO#MM000026944	West Virginia University	
81.087	D	65,070	-		Renewable Energy Research and Development			
81.087	I	110,072	-		Renewable Energy Research and Development	ZFC-5-52044-01	Alliance For Sustainable Energy	
81.087	I	80,401	-		Renewable Energy Research and Development	1070227-382029	Carnegie Mellon University	
81.087	I	45,157	-		Renewable Energy Research and Development	SUBCONTRACT NO. 1004	Corrim	
81.087	I	203,584	-		Renewable Energy Research and Development	DE-EE0007253-NCSU	Eaton Corp.	
81.087	I	103,729	-		Renewable Energy Research and Development	N/A	Energy Materials Corporation	
81.087	I	125,498	-		Renewable Energy Research and Development	2014-2776	Metabolix, Inc.	
81.087	I	15,185	-		Renewable Energy Research and Development	DE-EE0007888-05-6	Rapid Institute	

## SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2018

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
81.087	I	65,207	-	Renewable Energy Research and Development	CESMII-2017-R-03	Smart Manufacturing Lead. Co.	
81.087	I	8,756	-	Renewable Energy Research and Development	SUBAWARD # M1802860	Texas A&M Engine Exper Station	
81.087	I	106,475	-	Renewable Energy Research and Development	8500051911	University of Tennessee	
81.089	D	657,778	3,757	Fossil Energy Research and Development			
81.104	D	1,948	-	Environmental Remediation and Waste Processing and Disposal			
81.112	D	7	-	Stewardship Science Grant Program			
81.113	D	5,566,819	2,992,450	Defense Nuclear Nonproliferation Research			
81.113	I	2,518	-	Defense Nuclear Nonproliferation Research	209762	University of Arizona	
81.113	I	271,210	-	Defense Nuclear Nonproliferation Research	3003222368	University of Michigan	
81.117	D	157,614	-	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance			
81.121	D	3,249,452	738,983	Nuclear Energy Research, Development and Demonstration			
81.121	I	128,215	-	Nuclear Energy Research, Development and Demonstration	401012-5801	Colorado School Of Mines	
81.121	I	144,891	-	Nuclear Energy Research, Development and Demonstration	401012-5803	Colorado School Of Mines	
81.121	I	92,092	-	Nuclear Energy Research, Development and Demonstration	800007088-01	Florida International University	
81.121	I	51,243	-	Nuclear Energy Research, Development and Demonstration	5725-NCSU-DOE-8717	Pennsylvania State University	
81.121	I	152,196	-	Nuclear Energy Research, Development and Demonstration	4105-77328	Purdue University	
81.121	I	15,992	-	Nuclear Energy Research, Development and Demonstration	SUBAWARD NO. 68016083-01	University of Central Florida	
81.121	I	47,403	-	Nuclear Energy Research, Development and Demonstration	3004190071	University of Michigan	
81.121	I	13,345	-	Nuclear Energy Research, Development and Demonstration	775K541	University of Wisconsin	
81.122	D	190,869	79,998	Electricity Delivery and Energy Reliability, Research, Development and Analysis			
81.122	I	(2,940)	-	Electricity Delivery and Energy Reliability, Research, Development and Analysis	PO4500305158 BRIAN HIXSON	First Energy Corp (Allegheny)	
81.123	D	1,104,119	612,880	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program			
81.123	I	295,373	-	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	SUB AWARD NO: F1040061-14-08	Norfolk State University	
81.135	D	383,948	-	Advanced Research Projects Agency - Energy			
81.135	I	55,929	-	Advanced Research Projects Agency - Energy	2018-0104	Adroit Materials, Inc.	
81.135	I	121,338	-	Advanced Research Projects Agency - Energy	2014-2747	Bio2electric, LLC	
81.135	I	(37,430)	-	Advanced Research Projects Agency - Energy	2013-0070	Energy-To-Power Solutions(E2p)	
81.135	I	16,697	-	Advanced Research Projects Agency - Energy	79427836; PO#S9001469	University of Cal - San Diego	
81.135	I	267,244	-	Advanced Research Projects Agency - Energy	33339-Z7218002	University of Maryland, College Park	
81.135	I	142,447	-	Advanced Research Projects Agency - Energy	9153-20936	Vanderbilt University	
81.RD	D	(9,411)	-	U. S. Department of Energy			A14-1560-001
81.RD	D	638	-	U. S. Department of Energy			A15-0801-001
81.RD	D	28,413	-	U. S. Department of Energy			A18-0714-001
81.RD	D	107,188	-	U. S. Department of Energy			IPARD
81.RD	I	67,422	-	U. S. Department of Energy	4F-32144	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	2,190	-	U. S. Department of Energy	8F-30076	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	7,453	-	U. S. Department of Energy	8F-30081	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	5,286	-	U. S. Department of Energy	00145661-00001	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	34,137	-	U. S. Department of Energy	00145661-00002	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	32,091	-	U. S. Department of Energy	0145661-005	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	29,402	-	U. S. Department of Energy	0145661-006	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	67,774	-	U. S. Department of Energy	0145661-007	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	29,522	-	U. S. Department of Energy	0161615-001	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	(2,293)	-	U. S. Department of Energy	145661-007	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	(12,919)	-	U. S. Department of Energy	145661-009	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	15,922	-	U. S. Department of Energy	145661-13	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	152,678	-	U. S. Department of Energy	145661-14	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	6,879	-	U. S. Department of Energy	145661-17	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	20,546	-	U. S. Department of Energy	145661-18	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	49,555	-	U. S. Department of Energy	145661-4	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	107,750	-	U. S. Department of Energy	MASTER #145661-RELEASE#11	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	20,404	-	U. S. Department of Energy	RELEASE 16 U/C 145661	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	75,660	-	U. S. Department of Energy	PO # 107832	Bettis Atomic Power Laboratory	107832 Bettis Atomic Lab US DOE
81.RD	I	149,259	-	U. S. Department of Energy	PO #107832	Bettis Atomic Power Laboratory	107832 Bettis Atomic Lab US DOE
81.RD	I	32,741	-	U. S. Department of Energy	PO# 107832	Bettis Atomic Power Laboratory	107832 Bettis Atomic Lab US DOE
81.RD	I	81,205	-	U. S. Department of Energy	329344	Brookhaven Nat'L Lab	DE-SC0012704
81.RD	I	5,348	-	U. S. Department of Energy	LETTER DATED 01-22-2018	Honeywell Federal Manufacturing & Technologies, LLC	280997
81.RD	I	6,006	-	U. S. Department of Energy	LETTER DATED 10-19-16	Honeywell International, Inc.	280937

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
81.RD	I	49,179	-	U. S. Department of Energy	7090112	Lawrence Berkeley National Lab	DE-AC02-05CH11231
81.RD	I	29,588	-	U. S. Department of Energy	7307086	Lawrence Berkeley National Lab	DE-AC02-05CH11231
81.RD	I	16,367	-	U. S. Department of Energy	7381614	Lawrence Berkeley National Lab	DE-AC02-05CH11231
81.RD	I	87,401	-	U. S. Department of Energy	B620596	Lawrence Livermore National Laboratory	DE-AC52-07NA27344
81.RD	I	58,050	-	U. S. Department of Energy	B621752	Lawrence Livermore National Laboratory	DE-AC52-07NA27344
81.RD	I	10,716	-	U. S. Department of Energy	B623398	Lawrence Livermore National Laboratory	DE-AC52-07NA27344
81.RD	I	28,288	-	U. S. Department of Energy	B627261	Lawrence Livermore National Laboratory	DE-AC52-07NA27344
81.RD	I	188,684	-	U. S. Department of Energy	B615702	Lawrence Livermore Natl. Secu.	DE-AC52-07NA27344
81.RD	I	23,872	-	U. S. Department of Energy	B623286	Lawrence Livermore Natl. Secu.	DE-AC52-07NA27344
81.RD	I	24,176	-	U. S. Department of Energy	LTI-FE0022594-NCS	Leonardo Technologies, Inc.	DE-FE0022594
81.RD	I	10,143	-	U. S. Department of Energy	427825	Los Alamos National Lab	DE-AC52-06NA25396
81.RD	I	22,456	-	U. S. Department of Energy	463643	Los Alamos National Lab	337918-463643
81.RD	I	1,893	-	U. S. Department of Energy	4000109736	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	354,180	-	U. S. Department of Energy	4000114671	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	30,047	-	U. S. Department of Energy	4000144968	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	12,036	-	U. S. Department of Energy	4000157746	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	2,138	-	U. S. Department of Energy	4000161999	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	45,683	-	U. S. Department of Energy	4200000036-4000133202	Oak Ridge National Lab	JFA-2001-2
81.RD	I	12,919	-	U. S. Department of Energy	4200000036-4000143197	Oak Ridge National Lab	JFA-2001-2
81.RD	I	152,113	-	U. S. Department of Energy	4200000036-4000147886	Oak Ridge National Lab	JFA-2001-2
81.RD	I	47,895	-	U. S. Department of Energy	4200000570-4000143422	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	20,760	-	U. S. Department of Energy	4200000570-4000159477	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	358,001	-	U. S. Department of Energy	286473	Pacific Northwest National Lab	DE-AC05-00OR22725
81.RD	I	126,008	-	U. S. Department of Energy	292626	Pacific Northwest National Lab	DE-AC05-76RL01830
81.RD	I	14,657	-	U. S. Department of Energy	1746401	Sandia National Lab	DE-AC05-76RL01830
81.RD	I	103,935	-	U. S. Department of Energy	1746480	Sandia National Lab	DE-AC04-94AL85000
81.RD	I	17,870	6,195	U. S. Department of Energy	BOA #532 TOA #267299	Savannah River Nuclear Solutions	280918
81.RD	I	98,791	-	U. S. Department of Energy	TAO#: 0000275746	Savannah River Nuclear Solutions	280947
81.RD	I	122,787	-	U. S. Department of Energy	TOA# 0000332973	Savannah River Nuclear Solutions	280986
81.RD	I	37,430	-	U. S. Department of Energy	TOA# 0000332974	Savannah River Nuclear Solutions	280987
81.RD	I	51,211	-	U. S. Department of Energy	4000056870	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	134,593	-	U. S. Department of Energy	4000114809	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	105,747	29,520	U. S. Department of Energy	4000120148	UT Battelle, LLC	A13-0941-001
81.RD	I	(856)	-	U. S. Department of Energy	4000130891	UT Battelle, LLC	DE-AC04-94AL85000
81.RD	I	63,946	-	U. S. Department of Energy	4000139793	UT Battelle, LLC	A16-0143-001
81.RD	I	(584)	-	U. S. Department of Energy	4000144475	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	52,973	-	U. S. Department of Energy	4000145506	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	91,843	-	U. S. Department of Energy	4000151695	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	28,078	-	U. S. Department of Energy	4000153636	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	12,297	-	U. S. Department of Energy	4000155130	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	25,156	-	U. S. Department of Energy	4000155187	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	29,827	-	U. S. Department of Energy	4200000036-4000120386	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	8,486	-	U. S. Department of Energy	4200000036-4000126315	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	62,597	-	U. S. Department of Energy	4200000036-4000141258	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	(2,156)	-	U. S. Department of Energy	SUBCONTRACT NO: 4000151854	UT Battelle, LLC	280954
81.RD	I	63,531	-	U. S. Department of Energy	7F-30031	University of Chicago	A17-0780-001
		36,250,090	10,721,902	Total — Research and Development — U. S. Department of Energy			

**U. S. Department of Education**

84.015	D	2,736,706	278,915	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program			
84.015	I	96,323	-	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	15-ED-1054	Duke University	
84.015	I	28,715	-	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	342-0081	Duke University	
84.015	I	196,271	-	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	342-0083	Duke University	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

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<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
84.022	D	168,832	-	Overseas Programs - Doctoral Dissertation Research Abroad			
84.116	D	715,648	-	Fund for the Improvement of Postsecondary Education			
84.120	D	151,411	-	Minority Science and Engineering Improvement			
84.120	I	5,567	-	Minority Science and Engineering Improvement	S150508	Prairie View A&M University	
84.129	D	603,659	-	Rehabilitation Long-Term Training			
84.133	I	21,473	-	National Institute on Disability and Rehabilitation Research	SUBCONTRACT DATED 10/27/2014	Langston University	
84.200	D	360,697	-	Graduate Assistance in Areas of National Need			
84.305	D	3,359,954	288,852	Education Research, Development and Dissemination			
84.305	I	71,160	-	Education Research, Development and Dissemination	721851-2	College of William and Mary	
84.305	I	50,660	-	Education Research, Development and Dissemination	15-ED-1095	Duke University	
84.305	I	5,036	-	Education Research, Development and Dissemination	4876-UNCCH-USDE-0031	Pennsylvania State University	
84.305	I	102,579	-	Education Research, Development and Dissemination	PO15786	SRI International	
84.305	I	349,983	-	Education Research, Development and Dissemination	43802	University of Delaware	
84.305	I	76,839	-	Education Research, Development and Dissemination	RR244-144/S001449	University of Georgia	
84.305	I	115,218	-	Education Research, Development and Dissemination	3003143121	University of Michigan (UMICH)	
84.305	I	58,147	-	Education Research, Development and Dissemination	569644 PO# 3903295	University of Pennsylvania	
84.305	I	316,221	-	Education Research, Development and Dissemination	UNIV58617 3748-0198	Vanderbilt University	
84.324	D	2,293,729	609,542	Research in Special Education			
84.325	D	768,808	8,021	Special Education - Personnel Development to Improve Services and Results for Children			
84.325	I	564	-	Special Education - Personnel Development to Improve Services and Results for Children	2789-015468	Vanderbilt University	
84.326	D	5,576,954	1,479,635	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities			
84.326	I	8,614	-	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	224440Q	University of Oregon	
84.326	I	14,817	-	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	S00030018.0	WestEd	
84.327	D	964,033	-	Special Education Educational Technology Media, and Materials for Individuals with Disabilities			
84.336	D	402,275	-	Teacher Quality Partnership Grants			
84.373	I	1,307,292	-	Special Education Technical Assistance on State Data Collection	51-001279	SRI International	
84.373	I	141,641	-	Special Education Technical Assistance on State Data Collection	6189-S-006	Westat, Inc.	
84.382	D	206,869	-	Strengthening Minority-Serving Institutions			
84.RD	I	8,664	-	U. S. Department of Education	R01615	Florida State University	A13-1084-001
84.RD	I	(4,200)	-	U. S. Department of Education	40346S03620	Mathematica Policy Research, Inc.	A14-0903-001
		<u>21,281,159</u>	<u>2,664,965</u>	Total — Research and Development — U. S. Department of Education			
<b><u>U. S. National Archives and Records Administration</u></b>							
89.003	D	19,379	-	National Historical Publications and Records Grants			
		<u>19,379</u>	-	Total — Research and Development — U. S. National Archives and Records Administration			
<b><u>U. S. Department of Health and Human Services</u></b>							
93.004	I	88,892	-	Cooperative Agreements to Improve the Health Status of Minority Populations	5U01GH001003-05	Universidad del Valle de Guatemala (UVG)	
93.004	I	43,128	-	Cooperative Agreements to Improve the Health Status of Minority Populations	N/A	Universidad del Valle de Guatemala (UVG)	
93.067	I	6,469	-	Global AIDS	1NU2GGH001920-01-00-	Centre for Infectious Disease Research	
93.067	I	11,510	-	Global AIDS	5NU2GGH001920-02-00	Centre for Infectious Disease Research	
93.068	D	585,982	-	Chronic Diseases: Research, Control, and Prevention			
93.068	I	131,472	-	Chronic Diseases: Research, Control, and Prevention	6543-00-S001	Westat, Inc.	
93.073	D	1,280,994	460	Birth Defects and Developmental Disabilities - Prevention and Surveillance			
93.073	I	5,283	-	Birth Defects and Developmental Disabilities - Prevention and Surveillance	216069	Duke University	
93.074	I	14,156	-	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements	N/A	Mississippi Department of Health	
93.077	D	8,403,504	825,518	Family Smoking Prevention and Tobacco Control Act Regulatory Research			
93.080	I	188,383	142,420	Blood Disorder Program: Prevention, Surveillance, and Research	ATHN2015001-IVN-2	American Thrombosis and Hemostasis Network	
93.080	I	134,107	42,599	Blood Disorder Program: Prevention, Surveillance, and Research	ATHN2015001-IVN-3	American Thrombosis and Hemostasis Network	
93.083	D	300,153	-	Prevention of Disease, Disability, and Death through Immunization and Control of Respiratory and Related Diseases			
93.084	I	131,792	-	Prevention of Disease, Disability, and Death by Infectious Diseases	2036220	Duke University	
93.086	I	16,244	-	Healthy Marriage Promotion and Responsible Fatherhood Grants	2017-1299	Center For Policy Research	
93.088	I	214,092	-	Advancing System Improvements for Key Issues in Women's Health	N/A	North Carolina Coalition Against Domestic Violence	

## SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)

For the Fiscal Year Ended June 30, 2018

Federal CFDA	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.103	D	981,916	389,917	Food and Drug Administration Research			
93.103	I	20,160	-	Food and Drug Administration Research	S-002335/PO15-00247	Applied Research Associates, Inc.	
93.103	I	7,708	-	Food and Drug Administration Research	207574/215728	Duke University	
93.107	D	881,930	794,396	Area Health Education Centers			
93.110	D	3,126,528	596,091	Maternal and Child Health Federal Consolidated Programs			
93.110	I	21,113	-	Maternal and Child Health Federal Consolidated Programs	T822424	Emory University (EU)	
93.110	I	6,289	-	Maternal and Child Health Federal Consolidated Programs	6 H30MC24046-07-00	Hemophilia of Georgia (HOG)	
93.110	I	(1,244)	-	Maternal and Child Health Federal Consolidated Programs	608195277	Hemophilia of Georgia (HOG)	
93.110	I	85,880	-	Maternal and Child Health Federal Consolidated Programs	6H30MC24046-06-02	Hemophilia of Georgia (HOG)	
93.113	D	15,437,672	1,231,583	Environmental Health			
93.113	I	114,816	-	Environmental Health	4500002242	Boston University	
93.113	I	83,392	-	Environmental Health	00000542	Brown University	
93.113	I	61,725	-	Environmental Health	2(GG010695-01)	Columbia University	
93.113	I	18,642	-	Environmental Health	203-6060	Duke University	
93.113	I	26,544	-	Environmental Health	203-6631	Duke University	
93.113	I	2,254	-	Environmental Health	203-7118	Duke University	
93.113	I	(7,996)	-	Environmental Health	T133135	Emory University	
93.113	I	45,556	-	Environmental Health	T778769	Emory University (EU)	
93.113	I	23,704	-	Environmental Health	306048-1.00-63850	Henry M Jackson Foundation	
93.113	I	(61,725)	-	Environmental Health	2001627675	Johns Hopkins University	
93.113	I	106,512	-	Environmental Health	2003147882	Johns Hopkins University	
93.113	I	28,276	-	Environmental Health	2003271084	Johns Hopkins University	
93.113	I	2,584	-	Environmental Health	2003583375	Johns Hopkins University	
93.113	I	29,901	-	Environmental Health	P0431A-A	Oregon State University	
93.113	I	7,292	-	Environmental Health	2-340-0215502-65237L	Research Triangle Institute (RTI International)	
93.113	I	26,397	-	Environmental Health	Subaward# 1-340-0215502-52722L	Research Triangle Institute (RTI International)	
93.113	I	145,789	-	Environmental Health	2017-001	SeaTox Research, Inc.	
93.113	I	40,609	-	Environmental Health	16032	University of Illinois at Chicago (UIC)	
93.113	I	13,138	-	Environmental Health	417115-G/UR FAO GR51	University of Rochester	
93.113	I	15,255	-	Environmental Health	93348042	University of Southern California (USC)	
93.113	I	9,450	-	Environmental Health	UWSC10029/ BPO26342	University of Washington	
93.117	D	570,699	-	Preventive Medicine and Public Health Residency Training Program, Integrative Medicine Program, and National Center for Integrative Primary Healthcare			
93.121	D	9,759,975	2,327,874	Oral Diseases and Disorders Research			
93.121	I	210,447	-	Oral Diseases and Disorders Research	01060145	Beth Israel Deaconess Medical Center	
93.121	I	(7,333)	-	Oral Diseases and Disorders Research	2000203699	Carolinas HealthCare System	
93.121	I	129,818	-	Oral Diseases and Disorders Research	2000203699 (14-050S7	Carolinas HealthCare System	
93.121	I	48,621	-	Oral Diseases and Disorders Research	3000301064 (14-050S7	Carolinas HealthCare System	
93.121	I	48,946	-	Oral Diseases and Disorders Research	2035823	Duke University	
93.121	I	85,921	-	Oral Diseases and Disorders Research	K002137-00-S01	Kitware, Inc.	
93.121	I	25,884	-	Oral Diseases and Disorders Research	K002271-00-S01	Kitware, Inc.	
93.121	I	52,137	-	Oral Diseases and Disorders Research	6R44DE022218-03	N2 Biomedical, LLC	
93.121	I	2,326	177	Oral Diseases and Disorders Research	11529SUB	Seattle Children's Hospital	
93.121	I	10,534	-	Oral Diseases and Disorders Research	11531SUB	Seattle Children's Hospital	
93.121	I	20,187	-	Oral Diseases and Disorders Research	11719SUB	Seattle Children's Hospital Research Institute	
93.121	I	(5,998)	-	Oral Diseases and Disorders Research	UNC21127-2335	The Forsyth Institute	
93.121	I	341,189	-	Oral Diseases and Disorders Research	22000007-133	The Methodist Hospital Research Institute	
93.121	I	61,327	-	Oral Diseases and Disorders Research	22000010-170	The Methodist Hospital Research Institute	
93.121	I	21,469	-	Oral Diseases and Disorders Research	100852-00002	Tufts University	
93.121	I	101,058	1,838	Oral Diseases and Disorders Research	100852-00003	Tufts University	
93.121	I	(57,256)	-	Oral Diseases and Disorders Research	000407304-001	University of Alabama	
93.121	I	28,697	-	Oral Diseases and Disorders Research	2017-3474	University of California	
93.121	I	13,345	-	Oral Diseases and Disorders Research	UFDSP00011631	University of Florida	
93.121	I	2,451	-	Oral Diseases and Disorders Research	3002885068	University of Michigan (UMICH)	
93.121	I	130,573	-	Oral Diseases and Disorders Research	573174	University of Pennsylvania	
93.121	I	16,230	-	Oral Diseases and Disorders Research	10034028-01	University of Utah	
93.121	I	58,690	-	Oral Diseases and Disorders Research	PT112270-SC107121	Virginia Commonwealth University (VCU)	
93.127	D	264,716	18,071	Emergency Medical Services for Children			
93.130	I	-	-	Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices	DH140006001	Missouri Department of Health and Senior	
93.135	D	2,198,163	145,924	Centers for Research and Demonstration for Health Promotion and Disease Prevention			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

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<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>Provided to</b>				
93.135	I	2,418	-	-	Centers for Research and Demonstration for Health Promotion and Disease Prevention	PO#3000602118/000033	University of Texas MD Anderson Cancer Center	
93.135	I	3,595	-	-	Centers for Research and Demonstration for Health Promotion and Disease Prevention	PO#3000620501/000334	University of Texas MD Anderson Cancer Center	
93.136	D	1,662,059	62,720	-	Injury Prevention and Control Research and State and Community Based Programs			
93.136	I	2,252	-	-	Injury Prevention and Control Research and State and Community Based Programs	W000915127/ 10017454	University of Iowa	
93.143	D	447,636	94,802	-	NIEHS Superfund Hazardous Substances Basic Research and Education			
93.143	I	6,365	-	-	NIEHS Superfund Hazardous Substances Basic Research and Education	5(GG0133322-04)	Columbia University	
93.143	I	36,390	-	-	NIEHS Superfund Hazardous Substances Basic Research and Education	203-6119	Duke University	
93.143	I	24,321	-	-	NIEHS Superfund Hazardous Substances Basic Research and Education	203-7058	Duke University	
93.143	I	59,093	-	-	NIEHS Superfund Hazardous Substances Basic Research and Education	02-M1800350	Texas A&M University	
93.143	I	102,340	-	-	NIEHS Superfund Hazardous Substances Basic Research and Education	02-M1800359	Texas A&M University	
93.145	I	51	-	-	HIV-Related Training and Technical Assistance	T066365	Emory University (EU)	
93.145	I	201,450	-	-	HIV-Related Training and Technical Assistance	VUMC 56921	Vanderbilt University	
93.153	I	60,909	-	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	309-0070	Duke University	
93.153	I	9,186	-	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090062	Duke University	
93.153	I	59,344	-	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090071	Duke University	
93.153	I	4,485	-	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090061	Duke University Medical Center	
93.155	D	1,113,076	182,134	-	Rural Health Research Centers			
93.155	I	25,549	-	-	Rural Health Research Centers	W001061668 PO 10019	University of Iowa	
93.172	D	8,200,477	1,629,431	-	Human Genome Research			
93.172	I	75,978	-	-	Human Genome Research	N/A	Cell Microsystems, Inc.	
93.172	I	8,991	-	-	Human Genome Research	0355	Rutgers the State University of New Jersey	
93.172	I	69,708	-	-	Human Genome Research	6120/ 575570	Rutgers the State University of New Jersey	
93.172	I	32,320	-	-	Human Genome Research	ULRF 16-0709-03	University of Louisville	
93.173	D	2,089,937	124,587	-	Research Related to Deafness and Communication Disorders			
93.173	I	59,799	(1,200)	-	Research Related to Deafness and Communication Disorders	R01DC011038	Boys Town National Research Hospital	
93.173	I	255,416	-	-	Research Related to Deafness and Communication Disorders	R01DC015056	Boys Town National Research Hospital	
93.173	I	33,237	-	-	Research Related to Deafness and Communication Disorders	SP0038317-PROJ001053	Northwestern University	
93.173	I	126,874	-	-	Research Related to Deafness and Communication Disorders	1001683015	University of Iowa	
93.173	I	13,762	-	-	Research Related to Deafness and Communication Disorders	W000869978	University of Iowa	
93.173	I	48,773	-	-	Research Related to Deafness and Communication Disorders	16-009267 A00	University of Massachusetts at Amherst	
93.173	I	51,853	-	-	Research Related to Deafness and Communication Disorders	89151268	University of Southern California (USC)	
93.178	D	372,940	11,000	-	Nursing Workforce Diversity			
93.185	I	5,159	-	-	Immunization Research, Demonstration, Public Information and Education Training and Clinical Skills Improvement Projects	N/A	Kid Risk, Inc.	
93.186	D	326,683	-	-	National Research Service Award in Primary Care Medicine			
93.211	I	55,641	-	-	Telehealth Programs	W000892097/100156135	University of Iowa	
93.213	D	1,868,782	1,750	-	Research and Training in Complementary and Integrative Health			
93.213	I	27,447	-	-	Research and Training in Complementary and Integrative Health	203-7756	Duke University	
93.213	I	3,519	-	-	Research and Training in Complementary and Integrative Health	2035538	Duke University	
93.213	I	25,889	-	-	Research and Training in Complementary and Integrative Health	0254-3831-4609	Icahn School Of Medicine	
93.213	I	39,327	-	-	Research and Training in Complementary and Integrative Health	4102-70443	Purdue University	
93.213	I	50,159	-	-	Research and Training in Complementary and Integrative Health	4102-78167	Purdue University	
93.225	D	643,013	280	-	National Research Service Awards Health Services Research Training			
93.226	D	5,928,253	2,309,021	-	Research on Healthcare Costs, Quality and Outcomes			
93.226	I	188,187	-	-	Research on Healthcare Costs, Quality and Outcomes	203-7625	Duke University	
93.226	I	72,123	-	-	Research on Healthcare Costs, Quality and Outcomes	203-8983	Duke University	
93.226	I	51,534	-	-	Research on Healthcare Costs, Quality and Outcomes	2032514	Duke University	
93.226	I	61,944	-	-	Research on Healthcare Costs, Quality and Outcomes	2038055	Duke University	
93.226	I	(258)	-	-	Research on Healthcare Costs, Quality and Outcomes	2039720	Duke University	
93.226	I	22,825	-	-	Research on Healthcare Costs, Quality and Outcomes	2003209559	Johns Hopkins University	
93.226	I	10,494	-	-	Research on Healthcare Costs, Quality and Outcomes	SP0034124-PROJ001010	Northwestern University	
93.241	I	318,884	-	-	State Rural Hospital Flexibility Program	P004027953	University of Minnesota	
93.241	I	2,413	-	-	State Rural Hospital Flexibility Program	PO 004027953	University of Minnesota	
93.242	D	32,481,497	6,968,641	-	Mental Health Research Grants			
93.242	I	4,820	-	-	Mental Health Research Grants	31468-01	American University (AU)	
93.242	I	4,757	-	-	Mental Health Research Grants	SIS-31448-02	American University (AU)	
93.242	I	36,417	-	-	Mental Health Research Grants	N/A	Blackrock Microsystems	
93.242	I	77,703	-	-	Mental Health Research Grants	00001130	Brown University	
93.242	I	100,888	-	-	Mental Health Research Grants	N/A	Caktus Consulting Group, LLC	
93.242	I	18,878	-	-	Mental Health Research Grants	GENFD00001282076	Children's Hospital Boston	
93.242	I	68,826	-	-	Mental Health Research Grants	2034233	Duke University	

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.242	I	15,927	-	Mental Health Research Grants	2035821	Duke University	
93.242	I	(37)	-	Mental Health Research Grants	T620330	Emory University (EU)	
93.242	I	8,521	-	Mental Health Research Grants	T856966	Emory University (EU)	
93.242	I	10,497	-	Mental Health Research Grants	T931147	Emory University (EU)	
93.242	I	488	-	Mental Health Research Grants	149869.5101563.0114	Harvard University Medical School	
93.242	I	91,448	-	Mental Health Research Grants	2003027466	Johns Hopkins University	
93.242	I	60,921	-	Mental Health Research Grants	2003250210	Johns Hopkins University	
93.242	I	32,507	-	Mental Health Research Grants	2017115109 MH106510	Kaiser Permanente Washington Health Research Institute	
93.242	I	18,227	-	Mental Health Research Grants	N/A	Kennedy Krieger Institute	
93.242	I	2,737	-	Mental Health Research Grants	227381	Massachusetts General Hospital	
93.242	I	18,253	2,660	Mental Health Research Grants	0255-3351-4609	Mount Sinai School of Medicine	
93.242	I	36,934	-	Mental Health Research Grants	60040275 UNC	Northwestern University	
93.242	I	13,134	-	Mental Health Research Grants	60042322 UNC	Northwestern University	
93.242	I	34,161	-	Mental Health Research Grants	SP0037754-PROJ001040	Northwestern University	
93.242	I	23,378	-	Mental Health Research Grants	SP0037754-PROJ001102	Northwestern University	
93.242	I	72,210	-	Mental Health Research Grants	0744	Pacific Institute for Research and Evaluation	
93.242	I	4,684	-	Mental Health Research Grants	0768	Pacific Institute for Research and Evaluation	
93.242	I	(5)	-	Mental Health Research Grants	BL-4631228-UNC	Trustees of Indiana University	
93.242	I	89,081	-	Mental Health Research Grants	IN4684136UNC	Trustees of Indiana University	
93.242	I	56,872	-	Mental Health Research Grants	TUL-HSC-555238-17/18	Tulane University	
93.242	I	105,828	-	Mental Health Research Grants	A15-0085-S002	University of California at Davis	
93.242	I	59,728	-	Mental Health Research Grants	2015-3230	University of California at Irvine	
93.242	I	158,417	-	Mental Health Research Grants	8288SC	University of California at San Francisco	
93.242	I	23,010	-	Mental Health Research Grants	9086SC	University of California at San Francisco	
93.242	I	1,645	-	Mental Health Research Grants	9420SC	University of California at San Francisco	
93.242	I	41,052	-	Mental Health Research Grants	9451SC	University of California at San Francisco	
93.242	I	164,790	-	Mental Health Research Grants	9701SC	University of California at San Francisco	
93.242	I	32,401	-	Mental Health Research Grants	SC37573-03-00	University of Denver	
93.242	I	34,226	-	Mental Health Research Grants	2012-05795-01-02	University of Illinois at Chicago (UIC)	
93.242	I	9,850	-	Mental Health Research Grants	087283-16478	University of Illinois at Urbana-Champaign	
93.242	I	42,686	-	Mental Health Research Grants	SPC-000505	University of Miami	
93.242	I	31,557	-	Mental Health Research Grants	A004036501	University of Minnesota	
93.242	I	18,853	-	Mental Health Research Grants	34-5250-2001-001	University of Nebraska Medical Center	
93.242	I	125,694	-	Mental Health Research Grants	416351	University of Rochester	
93.242	I	38,602	-	Mental Health Research Grants	00004509	University of Texas MD Anderson Cancer Center	
93.242	I	2,410	-	Mental Health Research Grants	00004510	University of Texas MD Anderson Cancer Center	
93.242	I	19,888	-	Mental Health Research Grants	3001008463	University of Texas MD Anderson Cancer Center	
93.242	I	131,352	-	Mental Health Research Grants	3001008468	University of Texas MD Anderson Cancer Center	
93.242	I	19,650	-	Mental Health Research Grants	UWSC8457	University of Washington	
93.242	I	16,575	-	Mental Health Research Grants	UWSC9149/ 15897	University of Washington	
93.242	I	13,248	-	Mental Health Research Grants	686K221	University of Wisconsin at Madison	
93.242	I	5,756	-	Mental Health Research Grants	709K936	University of Wisconsin at Madison	
93.242	I	23,794	-	Mental Health Research Grants	781K406	University of Wisconsin at Madison	
93.242	I	72,065	-	Mental Health Research Grants	PD303148-SC104511	Virginia Commonwealth University (VCU)	
93.242	I	89,767	-	Mental Health Research Grants	N/A	Virtually Better, Inc.	
93.242	I	20,727	-	Mental Health Research Grants	WU-12-280/PO 2917859	Washington University in Saint Louis	
93.242	I	252,533	-	Mental Health Research Grants	N/A	Xona Microfluidics, LLC	
93.243	D	1,391,612	42,583	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.243	I	2,106	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	UNCW 03	County of Brunswick	
93.243	I	6,916	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	UNCW-02	County of Brunswick	
93.243	I	349,253	81,780	Substance Abuse and Mental Health Services Projects of Regional and National Significance	HBCU CFE 18-17/18, HBCU.CFE 16-	Morehouse School of Medicine	
93.243	I	38,172	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	4600469202	South Carolina Department of Health and	
93.243	I	9,837	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	0065184/00052430	University of Missouri at Kansas City	
93.243	I	(252)	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	M17A12587(A10895)	Yale University	

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.243	I	4,659	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	M17A12587(CON-800009	Yale University	
93.247	D	299,873	-	Advanced Nursing Education Workforce Grant Program			
93.260	I	281,248	39,695	Family Planning Personnel Training	37223.2017.0001	John Snow, Inc. (JSI)	
93.262	D	1,603,330	493,798	Occupational Safety and Health Program			
93.262	I	5,885	-	Occupational Safety and Health Program	17-A1-00-006508-01/	New York University (NYU)	
93.262	I	98,212	-	Occupational Safety and Health Program	4885/102815 128669	University of Rhode Island	
93.262	I	843	-	Occupational Safety and Health Program	PO0000112383	University of Rhode Island	
93.262	I	11,754	-	Occupational Safety and Health Program	6402-1090-00-A	University of South Florida	
93.273	D	10,304,664	1,249,078	Alcohol Research Programs			
93.273	I	11,379	-	Alcohol Research Programs	761-SUB	Cleveland Clinic Foundation	
93.273	I	147,835	-	Alcohol Research Programs	14-NIH-1043	Duke University	
93.273	I	-	-	Alcohol Research Programs	2033758	Duke University	
93.273	I	15,367	-	Alcohol Research Programs	2036469	Duke University	
93.273	I	248,246	-	Alcohol Research Programs	500693 NCSU	Feinstein Inst For Medical Research	
93.273	I	20,310	-	Alcohol Research Programs	2017-1740	Kwj Engineering	
93.273	I	203,574	-	Alcohol Research Programs	0059011 (130258	University of Pittsburgh	
93.279	D	10,289,039	878,802	Drug Abuse and Addiction Research Programs			
93.279	I	58,437	-	Drug Abuse and Addiction Research Programs	0001325422	Cedars Sinai Medical Center	
93.279	I	18,199	-	Drug Abuse and Addiction Research Programs	R01DA032533/149R183	Dartmouth College	
93.279	I	53,959	-	Drug Abuse and Addiction Research Programs	2035733	Duke University	
93.279	I	34,749	-	Drug Abuse and Addiction Research Programs	2036645	Duke University	
93.279	I	1,449	-	Drug Abuse and Addiction Research Programs	2037179	Duke University	
93.279	I	53,777	-	Drug Abuse and Addiction Research Programs	2037538	Duke University	
93.279	I	24,854	-	Drug Abuse and Addiction Research Programs	210247-0418-07	Jackson Laboratory	
93.279	I	121,810	-	Drug Abuse and Addiction Research Programs	N/A	Jackson Laboratory	
93.279	I	15,959	-	Drug Abuse and Addiction Research Programs	7147060LBR	Miriam Hospital	
93.279	I	62,140	-	Drug Abuse and Addiction Research Programs	1-R01-DA045657-01	NIH National Institute on Drug Abuse (NIDA)	
93.279	I	66,202	-	Drug Abuse and Addiction Research Programs	60061683	Ohio State University	
93.279	I	24,127	-	Drug Abuse and Addiction Research Programs	1-340-0216071-65060L	Research Triangle Institute (RTI International)	
93.279	I	403	-	Drug Abuse and Addiction Research Programs	2-312-0214377-51847L	Research Triangle Institute (RTI International)	
93.279	I	35,150	-	Drug Abuse and Addiction Research Programs	2-312-0216046-65212L	Research Triangle Institute (RTI International)	
93.279	I	12,924	-	Drug Abuse and Addiction Research Programs	2-340-0215297-52570L	Research Triangle Institute (RTI International)	
93.279	I	30,716	-	Drug Abuse and Addiction Research Programs	3-312-0216046-65211L	Research Triangle Institute (RTI International)	
93.279	I	9,349	-	Drug Abuse and Addiction Research Programs	7017137280	Rhode Island Hospital	
93.279	I	140,300	-	Drug Abuse and Addiction Research Programs	5-20983	Scripps Research Institute	
93.279	I	57,415	-	Drug Abuse and Addiction Research Programs	5-27127	Scripps Research Institute	
93.279	I	11,803	-	Drug Abuse and Addiction Research Programs	UFDSP00011926	University of Florida	
93.279	I	153,291	-	Drug Abuse and Addiction Research Programs	61878019	University of Southern California (USC)	
93.279	I	7,232	-	Drug Abuse and Addiction Research Programs	GR1026976 (CON-80001	Yale University	
93.283	D	1,723,245	28,064	Centers for Disease Control and Prevention Investigations and Technical Assistance			
93.283	I	3,951	-	Centers for Disease Control and Prevention Investigations and Technical Assistance	N/A	American Thrombosis and Hemostasis Network	
93.283	I	71,942	-	Centers for Disease Control and Prevention Investigations and Technical Assistance	5U01GH001003-04	Universidad del Valle de Guatemala (UVG)	
93.286	D	4,440,995	335,799	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.286	I	40,866	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	RFA-EB-16-001	Brim Technologies	
93.286	I	11,470	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	1(GG012399)	Columbia University	
93.286	I	25,549	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-5442	Duke University	
93.286	I	67,752	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-6700	Duke University	
93.286	I	329,099	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	K001687-00-S01	Kitware, Inc.	
93.286	I	33,444	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	K001837-00-S01	Kitware, Inc.	
93.286	I	53,539	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	N/A	Medical College of Wisconsin	
93.286	I	58,543	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	SP0039578-PROJ001187	Northwestern University	
93.286	I	(3,532)	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	1550237/PO# 1000209323	University of Colorado - Boulder	
93.286	I	79,577	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	1553725/ PO 1000653369	University of Colorado - Boulder	
93.286	I	170,595	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	RR168-708/S001393	University of Georgia	
93.286	I	66,134	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	FY2017-040	University of Kansas Center for Research	
93.286	I	19,313	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	59046	Vanderbilt University	
93.286	I	40,109	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	VUMC 60090	Vanderbilt University	
93.286	I	31,921	-	Discovery and Applied Research for Technological Innovations to Improve Human Health	UNIV 58419/2186-0163	Vanderbilt University Medical Center	
93.300	D	448,914	52,721	National Center for Health Workforce Analysis			
93.300	I	(549)	-	National Center for Health Workforce Analysis	4743-01	Health Research Incorporated	



**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>Provided to</b>				
93.300	I	(15)	-	-	National Center for Health Workforce Analysis	4743-02	Health Research Incorporated	
93.300	I	35,658	-	-	National Center for Health Workforce Analysis	4743-04	Health Research Incorporated	
93.300	I	56,993	-	-	National Center for Health Workforce Analysis	18-4	SUNY Research Foundation	
93.300	I	78,830	(400)	-	National Center for Health Workforce Analysis	3004232572	University of Michigan (UMICH)	
93.307	D	2,248,015	391,527	-	Minority Health and Health Disparities Research			
93.307	I	15,602	-	-	Minority Health and Health Disparities Research	31106A	Albert Einstein College of Medicine, Inc.	
93.307	I	44,431	-	-	Minority Health and Health Disparities Research	PO610384/31106A	Albert Einstein College of Medicine, Inc.	
93.307	I	239,254	-	-	Minority Health and Health Disparities Research	HU - 160024	Hampton University	
93.307	I	98,236	-	-	Minority Health and Health Disparities Research	HU-140004	Hampton University	
93.307	I	16,592	-	-	Minority Health and Health Disparities Research	HU-150006	Hampton University	
93.307	I	41,101	-	-	Minority Health and Health Disparities Research	140214SEA043-27	Meharry Medical College	
93.307	I	32,299	-	-	Minority Health and Health Disparities Research	60044313 NCSU	Northwestern University	
93.307	I	44,647	-	-	Minority Health and Health Disparities Research	52211-UNC	University of Arkansas	
93.307	I	88,768	-	-	Minority Health and Health Disparities Research	088353-16582	University of Illinois at Urbana-Champaign	
93.307	I	12,764	-	-	Minority Health and Health Disparities Research	SPC-000444	University of Miami	
93.307	I	44,598	-	-	Minority Health and Health Disparities Research	3002987899	University of Michigan (UMICH)	
93.307	I	30,271	-	-	Minority Health and Health Disparities Research	571099	University of Pennsylvania	
93.307	I	6,525	-	-	Minority Health and Health Disparities Research	573518	University of Pennsylvania	
93.307	I	193,568	-	-	Minority Health and Health Disparities Research	16-2910/PO2000005316	University of South Carolina (USC)	
93.307	I	8,714	-	-	Minority Health and Health Disparities Research	M17A12612(A10950)	Yale University	
93.307	I	36,425	-	-	Minority Health and Health Disparities Research	M17A12612(CON-800006)	Yale University	
93.310	D	8,026,510	2,530,876	-	Trans-NIH Research Support			
93.310	I	49,918	-	-	Trans-NIH Research Support	18-330	Arizona State University	
93.310	I	83,889	-	-	Trans-NIH Research Support	68-1096429	California Institute of Technology (CalTech)	
93.310	I	27,166	-	-	Trans-NIH Research Support	R902	Dartmouth College	
93.310	I	76,180	-	-	Trans-NIH Research Support	800110	Drexel University	
93.310	I	135,402	-	-	Trans-NIH Research Support	203-8397	Duke University	
93.310	I	179,551	-	-	Trans-NIH Research Support	2037591	Duke University	
93.310	I	1,440	-	-	Trans-NIH Research Support	0255-2291-4609	Mount Sinai School of Medicine	
93.310	I	14,358	-	-	Trans-NIH Research Support	0255-2292-4609	Mount Sinai School of Medicine	
93.310	I	36,991	-	-	Trans-NIH Research Support	16-A0-00-006256-01	NYU Medical Center	
93.310	I	383,055	-	-	Trans-NIH Research Support	F0018-03	New York University (NYU)	
93.310	I	126,604	(9,000)	-	Trans-NIH Research Support	F8708-03	New York University (NYU)	
93.310	I	88,985	-	-	Trans-NIH Research Support	1-312-0215007-52418L	Research Triangle Institute (RTI International)	
93.310	I	156,245	-	-	Trans-NIH Research Support	1-340-0215040-52885L	Research Triangle Institute (RTI International)	
93.310	I	(950)	-	-	Trans-NIH Research Support	3003124659	University of Michigan (UMICH)	
93.310	I	3,952	-	-	Trans-NIH Research Support	PO 143737	University of New Mexico at Albuquerque	
93.310	I	25,374	-	-	Trans-NIH Research Support	9525	Women and Infants Hospital of Rhode Island	
93.319	D	956,630	-	-	Outreach Programs to Reduce the Prevalence of Obesity in High Risk Rural Areas			
93.322	I	66,519	-	-	CSELS Partnership: Strengthening Public Health Laboratories	56400-200-922-18-12	Association of Public Health Laboratorie	
93.330	D	99,982	-	-	Leadership in Public Health Social Work Education Grant Program			
93.350	D	14,067,723	2,023,992	-	National Center for Advancing Translational Sciences			
93.350	I	28,659	-	-	National Center for Advancing Translational Sciences	203-7551	Duke University	
93.350	I	90,602	-	-	National Center for Advancing Translational Sciences	N/A	Falcon Therapeutics, Inc.	
93.350	I	203	-	-	National Center for Advancing Translational Sciences	1441TR001330-01	Initos Pharmaceuticals, LLC	
93.350	I	278,283	-	-	National Center for Advancing Translational Sciences	1R44TR001916-02/ PA-	Luceome Biotechnologies, L.L.C.	
93.350	I	95,562	-	-	National Center for Advancing Translational Sciences	MUSC17-042-8C828	Medical University of South Carolina (MUSC)	
93.350	I	28,776	-	-	National Center for Advancing Translational Sciences	1-312-0215481-52686L	Research Triangle Institute (RTI International)	
93.350	I	20,809	-	-	National Center for Advancing Translational Sciences	100107-00007	Tufts University	
93.350	I	111,513	-	-	National Center for Advancing Translational Sciences	0055353 (129324-30)	University of Pittsburgh	
93.351	D	3,665,389	23,576	-	Research Infrastructure Programs			
93.359	D	138,970	138,970	-	Nurse Education, Practice Quality and Retention Grants			
93.359	I	253,178	-	-	Nurse Education, Practice Quality and Retention Grants	1618NEPQR	Piedmont Health, Inc.	
93.361	D	2,125,690	1,325,500	-	Nursing Research			
93.361	I	50,937	-	-	Nursing Research	30003061-01-07	Children's Research Institute	
93.361	I	8,687	-	-	Nursing Research	203-8505	Duke University	
93.361	I	33,228	-	-	Nursing Research	2034749	Duke University	
93.361	I	90,924	-	-	Nursing Research	2035898	Duke University	
93.361	I	(8,687)	-	-	Nursing Research	2039778	Duke University	
93.361	I	1,608	(250)	-	Nursing Research	214931	Duke University	
93.361	I	80,645	-	-	Nursing Research	T807191	Emory University (EU)	

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Federal CFDA	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.361	I	34,341	-	Nursing Research	60059901	Ohio State University	
93.361	I	2,021	-	Nursing Research	2015-06577	University of Illinois at Chicago (UIC)	
93.361	I	11,602	-	Nursing Research	10037474-UNC	University of Utah	
93.393	D	10,036,549	950,815	Cancer Cause and Prevention Research			
93.393	I	190,843	-	Cancer Cause and Prevention Research	N/A	BD Technologies	
93.393	I	43,854	832	Cancer Cause and Prevention Research	01027406	Beth Israel Deaconess Medical Center	
93.393	I	28,205	-	Cancer Cause and Prevention Research	2035764	Duke University	
93.393	I	(42,815)	-	Cancer Cause and Prevention Research	T253674	Emory University (EU)	
93.393	I	13,212	-	Cancer Cause and Prevention Research	T487797	Emory University (EU)	
93.393	I	4,773	-	Cancer Cause and Prevention Research	411518_GR412884-UNC	Georgetown University	
93.393	I	43,890	-	Cancer Cause and Prevention Research	AH000632	Harvard Pilgrim Health Care	
93.393	I	6,292	-	Cancer Cause and Prevention Research	150159.5077497.0002	Harvard University	
93.393	I	9,335	-	Cancer Cause and Prevention Research	SCR/17/02	International Agency for Research on Cancer	
93.393	I	51,617	-	Cancer Cause and Prevention Research	2002986020	Johns Hopkins University	
93.393	I	14,517	-	Cancer Cause and Prevention Research	RNG200623-UNC-03	Kaiser Foundation Research Institute	
93.393	I	14,376	-	Cancer Cause and Prevention Research	CA154292-05-UNC	Kaiser Permanente Washington Health Research Institute	
93.393	I	48,446	-	Cancer Cause and Prevention Research	0255-6601-4609	Mount Sinai School of Medicine	
93.393	I	6,092	-	Cancer Cause and Prevention Research	60037274 UNC	Northwestern University	
93.393	I	313,639	-	Cancer Cause and Prevention Research	1-312-0215410-52694L	Research Triangle Institute (RTI International)	
93.393	I	15,537	-	Cancer Cause and Prevention Research	10252sc	University of California Regents	
93.393	I	301,277	-	Cancer Cause and Prevention Research	201603696-08	University of California at Davis	
93.393	I	20,978	-	Cancer Cause and Prevention Research	10010sc	University of California at San Francisco	
93.393	I	71,351	-	Cancer Cause and Prevention Research	FY16.804.001	University of Colorado Denver	
93.393	I	26,089	-	Cancer Cause and Prevention Research	UFDSP00011890 P0032835	University of Florida	
93.393	I	(2,318)	-	Cancer Cause and Prevention Research	2010-03794-03-04/ E0	University of Illinois at Chicago (UIC)	
93.393	I	26,481	-	Cancer Cause and Prevention Research	G021.UNC.01	University of Illinois at Chicago (UIC)	
93.393	I	70,437	-	Cancer Cause and Prevention Research	3004700015	University of Michigan (UMICH)	
93.393	I	418,509	-	Cancer Cause and Prevention Research	3RCQ4	University of New Mexico at Albuquerque	
93.393	I	13,326	-	Cancer Cause and Prevention Research	565706	University of Pennsylvania	
93.393	I	22,047	-	Cancer Cause and Prevention Research	565706/PO3998528	University of Pennsylvania	
93.393	I	13,582	-	Cancer Cause and Prevention Research	VUMC 58928	Vanderbilt University Medical Center	
93.393	I	204,879	-	Cancer Cause and Prevention Research	VUMCS58792	Vanderbilt University Medical Center	
93.393	I	9,666	-	Cancer Cause and Prevention Research	FP00003673_SA001	Virginia Commonwealth University (VCU)	
93.393	I	24,167	-	Cancer Cause and Prevention Research	130544-G003764	Washington State University	
93.394	D	3,541,956	1,939,375	Cancer Detection and Diagnosis Research			
93.394	I	60,755	-	Cancer Detection and Diagnosis Research	N/A	Asystbio Laboratories, LLC	
93.394	I	34,140	-	Cancer Detection and Diagnosis Research	7000000410	Baylor College of Medicine	
93.394	I	30,709	-	Cancer Detection and Diagnosis Research	N/A	BioFluidica Microtechnologies, LLC	
93.394	I	44,662	-	Cancer Detection and Diagnosis Research	41950-A	City University of New York (CUNY)	
93.394	I	40,398	-	Cancer Detection and Diagnosis Research	203-5616	Duke University	
93.394	I	180,391	-	Cancer Detection and Diagnosis Research	203-6050	Duke University	
93.394	I	25,497	-	Cancer Detection and Diagnosis Research	0000903490	Fred Hutchinson Cancer Research Center	
93.394	I	12,576	-	Cancer Detection and Diagnosis Research	0000940715	Fred Hutchinson Cancer Research Center	
93.394	I	32,994	-	Cancer Detection and Diagnosis Research	CRA NO GEP /16/07	International Agency for Research on Cancer	
93.394	I	67,276	-	Cancer Detection and Diagnosis Research	K000646-00-S01	Kitware, Inc.	
93.394	I	11,194	-	Cancer Detection and Diagnosis Research	60046298 UNC	Northwestern University	
93.394	I	107,498	-	Cancer Detection and Diagnosis Research	SUB0000166	Princeton University	
93.394	I	12,514	-	Cancer Detection and Diagnosis Research	R1109660	SUNY at Buffalo	
93.394	I	141,982	-	Cancer Detection and Diagnosis Research	1552592/PO:1000500405	University of Colorado - Boulder	
93.394	I	28,104	-	Cancer Detection and Diagnosis Research	3004034932	University of Michigan (UMICH)	
93.394	I	38,784	-	Cancer Detection and Diagnosis Research	17-3177 / PO# 2000029462	University of South Carolina	
93.394	I	5,775	-	Cancer Detection and Diagnosis Research	WU-17-279	Washington University in Saint Louis	
93.395	D	12,562,454	1,616,930	Cancer Treatment Research			
93.395	I	2,037	-	Cancer Treatment Research	310472	Albert Einstein College of Medicine, Inc.	
93.395	I	10,117	-	Cancer Treatment Research	U10CA180820-01-UNC1	American College of Radiology Imaging Network	
93.395	I	23,353	-	Cancer Treatment Research	7000000573	Baylor College of Medicine	
93.395	I	41,413	-	Cancer Treatment Research	961188-RSUB	Children's Hospital of Philadelphia	
93.395	I	8,681	-	Cancer Treatment Research	N/A	Children's Hospital of Philadelphia	
93.395	I	72,707	-	Cancer Treatment Research	2035177	Duke University	
93.395	I	150,855	-	Cancer Treatment Research	2035335	Duke University	
93.395	I	25,399	-	Cancer Treatment Research	2035521	Duke University	

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Federal CFDA	Direct /	Program	Amount Provided to				
Number	Indirect	Expenditures	Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.395	I	14,827	-	Cancer Treatment Research	2035883	Duke University	
93.395	I	61,857	-	Cancer Treatment Research	2035886	Duke University	
93.395	I	314,077	-	Cancer Treatment Research	CRA/SCR/2017/18	International Agency for Research on Cancer	
93.395	I	(1,407)	-	Cancer Treatment Research	64871814 / CAR-19432	Mayo Clinic	
93.395	I	24,062	-	Cancer Treatment Research	64871945 UNC 194321-	Mayo Clinic	
93.395	I	60,750	-	Cancer Treatment Research	65507744 UNC 194321-	Mayo Clinic	
93.395	I	41,961	27,600	Cancer Treatment Research	NOR-194321	Mayo Clinic	
93.395	I	2,039	-	Cancer Treatment Research	UCH-194321/ PO655786	Mayo Clinic in Rochester	
93.395	I	224,704	-	Cancer Treatment Research	0255-3281-4609	Mount Sinai School of Medicine	
93.395	I	9,126	-	Cancer Treatment Research	0903 PO #20203	National Marrow Donor Program	
93.395	I	13,740	-	Cancer Treatment Research	60049335	Ohio State University	
93.395	I	57,131	-	Cancer Treatment Research	1568 G TA857	University of California at Los Angeles	
93.395	I	183,541	-	Cancer Treatment Research	1568 G TA857 4-44134	University of California at Los Angeles	
93.395	I	45,754	-	Cancer Treatment Research	1568 G UA023	University of California at Los Angeles	
93.395	I	179,210	-	Cancer Treatment Research	1568 G UA696	University of California at Los Angeles	
93.395	I	52,334	-	Cancer Treatment Research	FY2016-005	University of Kansas Center for Research	
93.395	I	85,564	-	Cancer Treatment Research	FY2016-020-M1	University of Kansas Center for Research	
93.395	I	26,912	-	Cancer Treatment Research	UTA14-001433	University of Texas (UT)	
93.395	I	9,560	-	Cancer Treatment Research	VUMC 57291	Vanderbilt University Medical Center	
93.396	D	10,263,170	432,914	Cancer Biology Research			
93.396	I	53,342	-	Cancer Biology Research	009680-002	University of Cincinnati	
93.396	I	63,464	-	Cancer Biology Research	98104520	University of Southern California (USC)	
93.396	I	71,319	-	Cancer Biology Research	00003043/ PO 3000940	University of Texas MD Anderson Cancer Center	
93.396	I	33,776	-	Cancer Biology Research	3001135426	University of Texas MD Anderson Cancer Center	
93.396	I	13,740	-	Cancer Biology Research	F-2016-26	University of Toledo	
93.396	I	11,445	-	Cancer Biology Research	F-2016-27	University of Toledo	
93.396	I	6,489	-	Cancer Biology Research	F-2017-106	University of Toledo	
93.396	I	94,545	-	Cancer Biology Research	647K662	University of Wisconsin at Madison	
93.397	D	13,835,289	28,992	Cancer Centers Support Grants			
93.397	I	2,361	-	Cancer Centers Support Grants	ASUB08	Arizona State University	
93.397	I	41,520	-	Cancer Centers Support Grants	RES512160	Case Western Reserve University	
93.397	I	33,132	-	Cancer Centers Support Grants	RES512488	Case Western Reserve University	
93.397	I	3,308	-	Cancer Centers Support Grants	RES513129	Case Western Reserve University	
93.397	I	10,809	-	Cancer Centers Support Grants	1230604	Dana Farber Cancer Institute	
93.397	I	6,839	-	Cancer Centers Support Grants	1231004	Dana Farber Cancer Institute	
93.397	I	130,339	-	Cancer Centers Support Grants	IN4681938UNC	Indiana University at Indianapolis	
93.397	I	203,025	-	Cancer Centers Support Grants	IN4689857UNC/2058940	Indiana University at Indianapolis	
93.397	I	99,352	-	Cancer Centers Support Grants	MUSC15-085	Medical University of South Carolina (MUSC)	
93.397	I	8,044	-	Cancer Centers Support Grants	61399862-117724	Stanford University	
93.397	I	36,714	-	Cancer Centers Support Grants	VUMC60498	Vanderbilt University Medical Center	
93.397	I	13,156	-	Cancer Centers Support Grants	WU-17-161	Washington University in St. Louis School	
93.397	I	184,341	-	Cancer Centers Support Grants	WU-18-76 2934358E	Washington University in St. Louis School	
93.397	I	6,183	-	Cancer Centers Support Grants	WU-18-80 2934422E	Washington University in St. Louis School	
93.398	D	4,401,934	-	Cancer Research Manpower			
93.424	I	746	-	NON-ACA/PPHF - Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	N/A	Association of University Centers on Disability	
93.424	I	52,564	-	NON-ACA/PPHF - Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	1762018/ 210-1401-5	National Association of Chronic Disease	
93.424	I	9,082	-	NON-ACA/PPHF - Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	G804	National Network of Public Health Institution	
93.433	I	548	-	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	5601	Rehabilitation Inst Of Chicago	
93.516	I	27,849	-	Public Health Training Centers Program	T657422(T470332)	Emory University	
93.524	I	3,149	-	Building Capacity of the Public Health System to Improve Population Health through National, Non-Profit Organizations- financed in part by Prevention and Public Health Funds (PPHF)	G1160	National Network of Public Health Institution	
93.524	I	2,663	1,752	Building Capacity of the Public Health System to Improve Population Health through National, Non-Profit Organizations- financed in part by Prevention and Public Health Funds (PPHF)	G921	National Network of Public Health Institution	
93.600	D	(1,119)	-	Head Start			
93.600	I	8,182	-	Head Start	SC36898U-03-04/ PO14	University of Denver	
93.600	I	1,200,419	-	Head Start	201709277N	Zero to Three	
93.602	I	60,190	-	Assets for Independence Demonstration Program	13-312-0214780-65076	Research Triangle Institute (RTI International)	

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<b>Federal CFDA Number</b>	<b>Direct / Indirect</b>	<b>Program Expenditures</b>	<b>Amount Provided to Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
93.610	D	774,839	-	Health Care Innovation Awards (HCIA)			
93.610	I	23,069	-	Health Care Innovation Awards (HCIA)	2016-1866	Community Care Of North Carolina Services	
93.610	I	263,700	-	Health Care Innovation Awards (HCIA)	N/A	Community Care of North Carolina (CCNC)	
93.610	I	(5,481)	-	Health Care Innovation Awards (HCIA)	N/A	North Carolina Community Care Networks (CCNC)	
93.632	D	565,093	-	University Centers for Excellence in Developmental Disabilities Education, Research, and			
93.638	I	40,877	-	ACA-Transforming Clinical Practice Initiative: Practice Transformation Networks (PTNs)	N/A	Community Care of North Carolina (CCNC)	
93.652	I	183,254	-	Adoption Opportunities	N/A	Spaulding for Children, National Research	
93.670	D	261,847	-	Child Abuse and Neglect Discretionary Activities			
93.701	I	(2,181)	-	Trans-NIH Recovery Act Research Support	N/A	Brain Plasticity, Inc.	
93.715	I	(12,592)	-	Recovery Act - Comparative Effectiveness Research	N/A	Community Care of North Carolina (CCNC)	
93.732	D	738,519	9,808	Mental and Behavioral Health Education and Training Grants			
93.757	I	15,483	-	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	5888CD40	Iowa Department of Public Health (IDPH)	
93.757	I	15,795	-	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	709P632546	Virginia Department of Health	
93.779	D	125,960	125,960	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations			
93.809	I	2,480	-	National Organizations for Chronic Disease Prevention and Health Promotion	3002018	National Association of Chronic Disease	
93.809	I	2,065	-	National Organizations for Chronic Disease Prevention and Health Promotion	3012018	National Association of Chronic Disease	
93.815	I	43,400	-	Domestic Ebola Supplement to the Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	34349-65718	Tennessee Department of Health	
93.837	D	20,892,485	1,231,975	Cardiovascular Diseases Research			
93.837	I	60,102	-	Cardiovascular Diseases Research	31105A/ PO648559	Albert Einstein College of Medicine, Inc.	
93.837	I	64,294	-	Cardiovascular Diseases Research	31114A/ 590292	Albert Einstein College of Medicine, Inc.	
93.837	I	22,177	-	Cardiovascular Diseases Research	114117	Brigham and Women's Hospital	
93.837	I	681	-	Cardiovascular Diseases Research	00000728	Brown University	
93.837	I	106,447	-	Cardiovascular Diseases Research	5001191-ROSAMOND	Brown University	
93.837	I	13,986	-	Cardiovascular Diseases Research	N/A	Chimera Biotechnology, Inc.	
93.837	I	(187)	-	Cardiovascular Diseases Research	758-SUB	Cleveland Clinic	
93.837	I	141,020	-	Cardiovascular Diseases Research	2034138	Duke University	
93.837	I	22,057	-	Cardiovascular Diseases Research	2035773	Duke University	
93.837	I	26,985	-	Cardiovascular Diseases Research	2036763	Duke University	
93.837	I	24,642	-	Cardiovascular Diseases Research	N/A	Duke University	
93.837	I	26,829	-	Cardiovascular Diseases Research	N/A	Duke University Clinical Research Institution	
93.837	I	142,978	-	Cardiovascular Diseases Research	302-0442	Duke University Medical Center	
93.837	I	316	-	Cardiovascular Diseases Research	T848176	Emory University (EU)	
93.837	I	21,180	-	Cardiovascular Diseases Research	2002882979	Johns Hopkins University	
93.837	I	20,245	-	Cardiovascular Diseases Research	2003634963	Johns Hopkins University	
93.837	I	70,804	-	Cardiovascular Diseases Research	225708	Massachusetts General Hospital	
93.837	I	(3,290)	-	Cardiovascular Diseases Research	N/A	Massachusetts General Hospital	
93.837	I	5,715	-	Cardiovascular Diseases Research	N/A	Medical College of Wisconsin	
93.837	I	198,940	125	Cardiovascular Diseases Research	710-9144	Miriam Hospital	
93.837	I	(3,238)	-	Cardiovascular Diseases Research	N/A	Nanometrics, LLC	
93.837	I	4,145	-	Cardiovascular Diseases Research	N/A	New England Research Institutes	
93.837	I	290,297	-	Cardiovascular Diseases Research	60043052	Northwestern University	
93.837	I	(6,847)	-	Cardiovascular Diseases Research	60050102	Ohio State University	
93.837	I	2,131	-	Cardiovascular Diseases Research	60055475/ RF01459151	Ohio State University	
93.837	I	(8)	-	Cardiovascular Diseases Research	N/A	Path BioAnalytics	
93.837	I	395,802	-	Cardiovascular Diseases Research	2016-1746	Profusa, Inc.	
93.837	I	23,445	-	Cardiovascular Diseases Research	60436087-107606-A	Stanford University	
93.837	I	179,236	(500)	Cardiovascular Diseases Research	000503570-008	University of Alabama at Birmingham	
93.837	I	347,455	16,486	Cardiovascular Diseases Research	000511972-001	University of Alabama at Birmingham	
93.837	I	26	-	Cardiovascular Diseases Research	6763SC	University of California at San Francisco	
93.837	I	42,839	-	Cardiovascular Diseases Research	FY17.878.001/	University of Colorado Denver	
93.837	I	(1,925)	-	Cardiovascular Diseases Research	W000710699/ PO 10014	University of Iowa	
93.837	I	22,222	-	Cardiovascular Diseases Research	W000961822/ PO100179	University of Iowa	
93.837	I	25,129	-	Cardiovascular Diseases Research	N004944403	University of Minnesota	
93.837	I	(9,132)	-	Cardiovascular Diseases Research	P000640503	University of Minnesota	
93.837	I	28,066	-	Cardiovascular Diseases Research	P005875703	University of Minnesota	
93.837	I	(2,781)	-	Cardiovascular Diseases Research	0041597 (125465-1)	University of Pittsburgh	
93.837	I	108,793	46,675	Cardiovascular Diseases Research	0041597 (128874-1)	University of Pittsburgh	

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93.837	I	64,689	1,570	Cardiovascular Diseases Research	0041597 (130470-1)	University of Pittsburgh	
93.837	I	(1,178)	-	Cardiovascular Diseases Research	761545/UWSC7852	University of Washington	
93.837	I	30,514	-	Cardiovascular Diseases Research	UWSC10266	University of Washington	
93.837	I	80,678	-	Cardiovascular Diseases Research	431965-19467	Virginia Tech	
93.837	I	905	-	Cardiovascular Diseases Research	WFUHS 115749	Wake Forest University Health Sciences	
93.837	I	(4,708)	-	Cardiovascular Diseases Research	WFUHS 115767	Wake Forest University Health Sciences	
93.837	I	58,479	-	Cardiovascular Diseases Research	WFUHS 115768	Wake Forest University Health Sciences	
93.837	I	19,010	-	Cardiovascular Diseases Research	N/A	Washington University in Saint Louis	
93.837	I	57,076	-	Cardiovascular Diseases Research	WU-17-320/PO2928659C	Washington University in Saint Louis	
93.837	I	22,997	-	Cardiovascular Diseases Research	WU-18-3	Washington University in Saint Louis	
93.837	I	(4,859)	-	Cardiovascular Diseases Research	N/A	Yale University	
93.838	D	10,528,160	814,977	Lung Diseases Research			
93.838	I	304,838	-	Lung Diseases Research	RES511740	Case Western Reserve University	
93.838	I	13,476	-	Lung Diseases Research	RES512136	Case Western Reserve University	
93.838	I	72	-	Lung Diseases Research	203-1647	Duke University	
93.838	I	14,600	-	Lung Diseases Research	2035073	Duke University	
93.838	I	19,702	-	Lung Diseases Research	2032351	Duke University Medical Center	
93.838	I	1,957	-	Lung Diseases Research	1-AF-27	George Washington University	
93.838	I	16,275	-	Lung Diseases Research	2-AF-27	George Washington University	
93.838	I	29,033	-	Lung Diseases Research	2002772677	Johns Hopkins University	
93.838	I	7,771	-	Lung Diseases Research	11012SUB	Seattle Children's Hospital Research Institute	
93.838	I	(1,830)	-	Lung Diseases Research	11079SUB	Seattle Children's Hospital Research Institute	
93.838	I	550	-	Lung Diseases Research	11473SUB	Seattle Children's Hospital Research Institute	
93.838	I	54,119	-	Lung Diseases Research	11663SUB	Seattle Children's Hospital Research Institute	
93.838	I	687,903	-	Lung Diseases Research	10454sc	University of California at San Francisco	
93.838	I	2,250	-	Lung Diseases Research	S00137-01	University of Iowa	
93.838	I	5,982	-	Lung Diseases Research	W000969881	University of Iowa	
93.838	I	36,007	-	Lung Diseases Research	SPC-000542	University of Miami	
93.838	I	6,250	-	Lung Diseases Research	3003104557	University of Michigan (UMICH)	
93.838	I	52,617	-	Lung Diseases Research	0059236 (130132-2)	University of Pittsburgh	
93.838	I	5,055	-	Lung Diseases Research	63244	Vanderbilt University Medical Center	
93.838	I	78	-	Lung Diseases Research	63246	Vanderbilt University Medical Center	
93.839	D	8,233,437	462,379	Blood Diseases and Resources Research			
93.839	I	67,654	-	Blood Diseases and Resources Research	N/A	250Glycan Therapeutics, Inc.	
93.839	I	1,177	-	Blood Diseases and Resources Research	01028986	Beth Israel Deaconess Medical Center	
93.839	I	3,836	-	Blood Diseases and Resources Research	0155-81148	BloodCenter of Wisconsin	
93.839	I	3,405	-	Blood Diseases and Resources Research	0156-81148	BloodCenter of Wisconsin	
93.839	I	13,168	-	Blood Diseases and Resources Research	824-UNC-2017	Bloodworks Northwest	
93.839	I	57,826	-	Blood Diseases and Resources Research	GENFD0001386039	Children's Hospital Boston	
93.839	I	19,308	-	Blood Diseases and Resources Research	2034835	Duke University Medical Center	
93.839	I	13,705	-	Blood Diseases and Resources Research	RG850-G1	Georgia Institute of Technology	
93.839	I	43,474	-	Blood Diseases and Resources Research	15-13-121/R01HL11855	Louisiana State University (LSU)	
93.839	I	1,265	-	Blood Diseases and Resources Research	PO 6013872	Medical College of Wisconsin	
93.839	I	53,008	-	Blood Diseases and Resources Research	07416-3	Minneapolis Medical Research Foundation	
93.839	I	(3,065)	-	Blood Diseases and Resources Research	N/A	Ohio State University	
93.839	I	15,003	-	Blood Diseases and Resources Research	RF01499049/60061713	Ohio State University	
93.839	I	112,230	-	Blood Diseases and Resources Research	N/A	Redbud Labs	
93.839	I	49,256	-	Blood Diseases and Resources Research	N/A	Rutgers the State University of New Jersey	
93.839	I	53,495	-	Blood Diseases and Resources Research	11575SUB	Seattle Children's Hospital Research Institute	
93.839	I	6,790	-	Blood Diseases and Resources Research	11030002-143	The Methodist Hospital Research Institute	
93.839	I	98,461	-	Blood Diseases and Resources Research	FY18.878.005	University of Colorado Denver	
93.839	I	58,813	-	Blood Diseases and Resources Research	24-6230-0191-003	University of Nebraska at Lincoln	
93.839	I	136,616	-	Blood Diseases and Resources Research	564956	University of Pennsylvania	
93.839	I	12,515	-	Blood Diseases and Resources Research	565117	University of Pennsylvania	
93.839	I	156,714	-	Blood Diseases and Resources Research	571866	University of Pennsylvania	
93.839	I	231,402	-	Blood Diseases and Resources Research	UWSC8675 (BPO9467)	University of Washington	
93.839	I	14,552	-	Blood Diseases and Resources Research	WU-18-162	Washington University in Saint Louis	
93.846	D	6,380,091	4,255,639	Arthritis, Musculoskeletal and Skin Diseases Research			
93.846	I	1,039	-	Arthritis, Musculoskeletal and Skin Diseases Research	PS#113296	Brigham and Women's Hospital	
93.846	I	36,033	-	Arthritis, Musculoskeletal and Skin Diseases Research	3210940919-XX	Children's Hospital of Philadelphia	
93.846	I	(1,824)	-	Arthritis, Musculoskeletal and Skin Diseases Research	2R42AR055042-02	Cytex Therapeutics, Inc.	

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93.846	I	63,883	-	Arthritis, Musculoskeletal and Skin Diseases Research	203-5348	Duke University	
93.846	I	71,626	-	Arthritis, Musculoskeletal and Skin Diseases Research	203-7646	Duke University	
93.846	I	979	-	Arthritis, Musculoskeletal and Skin Diseases Research	12-01091	New York University (NYU)	
93.846	I	4,035	-	Arthritis, Musculoskeletal and Skin Diseases Research	1137965-2-77417	SUNY at Stony Brook	
93.846	I	17,456	-	Arthritis, Musculoskeletal and Skin Diseases Research	8977sc	University of California at San Francisco	
93.846	I	6,041	-	Arthritis, Musculoskeletal and Skin Diseases Research	14-010	Wake Forest University	
93.846	I	668,289	350	Arthritis, Musculoskeletal and Skin Diseases Research	16-004	Wake Forest University	
93.846	I	40,503	-	Arthritis, Musculoskeletal and Skin Diseases Research	11-181-UNC-CH	West Virginia University Research Corporation	
93.847	D	27,528,964	862,524	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	1,719	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	102095487	Baylor University College of Medicine	
93.847	I	22,771	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	5216282-5500000980	Broad Institute	
93.847	I	2,798	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	962293RSUB	Children's Hospital of Philadelphia	
93.847	I	31,222	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	962639-RSUB 33018207	Children's Hospital of Philadelphia	
93.847	I	(376)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	1975UB/283SUB	Cleveland Clinic	
93.847	I	56,661	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Clinical Sensors, Inc.	
93.847	I	(2,146)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	16-179296-05	Connecticut Children's Medical Center	
93.847	I	101,307	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	17-179296-01	Connecticut Children's Medical Center	
93.847	I	100,845	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	17-179296-01-01	Connecticut Children's Medical Center	
93.847	I	207	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Connecticut Children's Medical Center	
93.847	I	(1,897)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	16-3981	Curl Bio, LLC	
93.847	I	40,508	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	16-NIH-1017	Duke University	
93.847	I	795	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2034738	Duke University	
93.847	I	46,864	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2034783	Duke University	
93.847	I	38,813	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2035593	Duke University	
93.847	I	(7,403)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	SITE 105 179995/1886	Duke University Clinical Research Institution	
93.847	I	10,490	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	0000884626	Fred Hutchinson Cancer Research Center	
93.847	I	7,595	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	0000917572	Fred Hutchinson Cancer Research Center	
93.847	I	32,743	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	S-GRD1617-AT31	George Washington University	
93.847	I	154,904	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	S-GRD1718-MD31	George Washington University	
93.847	I	22,229	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	IN468876UNC	Indiana University System	
93.847	I	12,332	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2002879987	Johns Hopkins Bloomberg School of Public	
93.847	I	201	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2001815789	Johns Hopkins University	
93.847	I	18,282	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	2003105028	Johns Hopkins University	
93.847	I	33,388	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	228583	Massachusetts General Hospital	
93.847	I	12,990	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	82137416/ WX00295438	Nationwide Children's Hospital	
93.847	I	27,009	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Neuro10-9 Pharma, Inc.	
93.847	I	124,604	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	FAR0027327	North Dakota State University	
93.847	I	9,965	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	TIE1980-01	Northern California Institute for Research	
93.847	I	50,858	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	60040977 UNC	Northwestern University	
93.847	I	68,115	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	60059166-UNCCCH	Ohio State University	
93.847	I	323	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	RPS 2	Pelvic Floor Disorders Research	
93.847	I	(59,399)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	UNCDK095078	Pennsylvania State University	
93.847	I	180,162	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	5-53384	Scripps Research Institute	
93.847	I	494	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Sonovol, LLC	
93.847	I	(576)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	R42DK074193-02A1	TheraLogics	
93.847	I	7,853	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	344930	University of Arizona	
93.847	I	26,900	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	64744923	University of California at San Diego	
93.847	I	16,785	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	FY16.253.003	University of Colorado	
93.847	I	(96)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	3001321183	University of Michigan (UMICH)	
93.847	I	43,085	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	3003328374	University of Michigan (UMICH)	
93.847	I	137,150	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	3003601669	University of Michigan (UMICH)	
93.847	I	120,824	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	3004212973	University of Michigan (UMICH)	
93.847	I	128,665	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	PO#3003642651	University of Michigan (UMICH)	
93.847	I	45,057	10,500	Diabetes, Digestive, and Kidney Diseases Extramural Research	N006851801	University of Minnesota	
93.847	I	20,731	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	University of South Florida Tampa	
93.847	I	3,308	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	00004207	University of Texas MD Anderson Cancer Center	
93.847	I	3,401	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	00004207/ PO30010739	University of Texas MD Anderson Cancer Center	
93.847	I	4,887	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	10046979-01	University of Utah	
93.847	I	312,156	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	VUMC 62324	Vanderbilt University Medical Center	
93.847	I	35,411	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	FP00005212_SA001	Virginia Commonwealth University (VCU)	
93.847	I	41,336	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	PD303771-SC107091	Virginia Commonwealth University (VCU)	

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93.847	I	323,546	128,076	Diabetes, Digestive, and Kidney Diseases Extramural Research	WUHS 114580	Wake Forest University Health Sciences	
93.847	I	46,718	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	WUHS113519	Wake Forest University School of Medicine	
93.847	I	53,224	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	PO#2922664Y/WU-15-10	Washington University in Saint Louis	
93.847	I	(37)	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	WU-17-187	Washington University in Saint Louis	
93.847	I	21,563	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	WU-18-312	Washington University in Saint Louis	
93.853	D	9,822,712	9,001,661	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	3,810	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	Beth Israel Deaconess Medical Center	
93.853	I	11,469	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2259	Boston Medical Center	
93.853	I	4,558	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	115618	Brigham and Women's Hospital	
93.853	I	6,343	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	729-SUB	Cleveland Clinic Foundation	
93.853	I	49,471	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	937-SUB	Cleveland Clinic Foundation	
93.853	I	24,018	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	1(GG10847-01)	Columbia University	
93.853	I	10,660	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2(GG008402-04)	Columbia University	
93.853	I	201,904	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	Dignify Therapeutics	
93.853	I	6,517	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2036795	Duke University	
93.853	I	14,745	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2037079	Duke University	
93.853	I	15,733	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	T458594	Emory University (EU)	
93.853	I	16,127	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	PO #209391	Jackson Laboratory	
93.853	I	9,791	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2003631110	Johns Hopkins University	
93.853	I	5,854	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	K001628-00-S01	Kitware, Inc.	
93.853	I	20,309	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	5-27078	Scripps Research Institute	
93.853	I	76,092	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	SNNC4117	Soterix Medical, Inc.	
93.853	I	14,436	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	SNNC4118	Soterix Medical, Inc.	
93.853	I	(215)	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	61353145-115866	Stanford University	
93.853	I	5,378	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2014-0568	The Allen Institute for Brain Science	
93.853	I	154,885	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	2014-0569/ AIP043537	The Allen Institute for Brain Science	
93.853	I	6,184	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	8564SC	University of California at San Francisco	
93.853	I	298,380	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	9091SC	University of California at San Francisco	
93.853	I	10,687	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	48575	University of Delaware	
93.853	I	37,505	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	UFDSP00011481	University of Florida	
93.853	I	127,850	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	FY2016-006	University of Kansas Center for Research	
93.853	I	245,145	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	569365	University of Pennsylvania	
93.853	I	56,101	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	SUBAWARD NO. 569935	University of Pennsylvania	
93.853	I	520	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	416220	University of Rochester	
93.853	I	14,591	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	UWSC7150/PO#BPO7044	University of Washington	
93.853	I	7,347	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	UWSC8476 BPO24224	University of Washington	
93.853	I	29,149	5,661	Extramural Research Programs in the Neurosciences and Neurological Disorders	WU-17-2/PO#2928132C	Washington University in Saint Louis	
93.855	D	61,425,880	26,947	Allergy and Infectious Diseases Research			
93.855	I	80,051	-	Allergy and Infectious Diseases Research	008-1117	Agile Sciences, Inc.	
93.855	I	28,922	-	Allergy and Infectious Diseases Research	2R42AIC98192-02A1	Agile Sciences, Inc.	
93.855	I	3,590	-	Allergy and Infectious Diseases Research	310429 PO 633350	Albert Einstein College of Medicine, Inc.	
93.855	I	26,149	-	Allergy and Infectious Diseases Research	7000000377	Baylor College of Medicine	
93.855	I	58,944	-	Allergy and Infectious Diseases Research	FY15ITN012	Benaroya Research Institute	
93.855	I	109,103	-	Allergy and Infectious Diseases Research	FY17ITN008	Benaroya Research Institute	
93.855	I	4,301	-	Allergy and Infectious Diseases Research	FY17ITN012	Benaroya Research Institute	
93.855	I	20,313	-	Allergy and Infectious Diseases Research	FY17ITN156	Benaroya Research Institute	
93.855	I	35,574	-	Allergy and Infectious Diseases Research	FY17ITN237	Benaroya Research Institute	
93.855	I	71,634	-	Allergy and Infectious Diseases Research	FY18ITN008	Benaroya Research Institute	
93.855	I	908	-	Allergy and Infectious Diseases Research	FY18ITN012	Benaroya Research Institute	
93.855	I	114,672	-	Allergy and Infectious Diseases Research	ITN050AD	Benaroya Research Institute	
93.855	I	28,880	-	Allergy and Infectious Diseases Research	110006	Brigham and Women's Hospital	
93.855	I	10,042	-	Allergy and Infectious Diseases Research	110007	Brigham and Women's Hospital	
93.855	I	112,428	-	Allergy and Infectious Diseases Research	110008	Brigham and Women's Hospital	
93.855	I	94,822	-	Allergy and Infectious Diseases Research	110014	Brigham and Women's Hospital	
93.855	I	272,057	-	Allergy and Infectious Diseases Research	110200	Brigham and Women's Hospital	
93.855	I	316,913	(439)	Allergy and Infectious Diseases Research	110209	Brigham and Women's Hospital	
93.855	I	4,767	-	Allergy and Infectious Diseases Research	110233	Brigham and Women's Hospital	
93.855	I	18,247	-	Allergy and Infectious Diseases Research	110236	Brigham and Women's Hospital	
93.855	I	569,105	33,000	Allergy and Infectious Diseases Research	111666	Brigham and Women's Hospital	
93.855	I	319,637	-	Allergy and Infectious Diseases Research	111672	Brigham and Women's Hospital	
93.855	I	76,000	-	Allergy and Infectious Diseases Research	116529	Brigham and Women's Hospital	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

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<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>Provided to</b>				
93.855	I	30,785	-	-	Allergy and Infectious Diseases Research	00000978	Brown University	
93.855	I	(287)	-	-	Allergy and Infectious Diseases Research	N/A	Capture Pharmaceuticals	
93.855	I	231,530	-	-	Allergy and Infectious Diseases Research	N/A	Cell Microsystems, Inc.	
93.855	I	13,855	-	-	Allergy and Infectious Diseases Research	N/A	Centre for the AIDS Programme of Research	
93.855	I	33,621	-	-	Allergy and Infectious Diseases Research	135408-CT1-OMEGA	Cincinnati Children's Hospital Medical Center	
93.855	I	28,713	-	-	Allergy and Infectious Diseases Research	135409 CT2-DIET STUD	Cincinnati Children's Hospital Medical Center	
93.855	I	5,245	-	-	Allergy and Infectious Diseases Research	135409-CT2-DIET	Cincinnati Children's Hospital Medical Center	
93.855	I	641	-	-	Allergy and Infectious Diseases Research	1R41AI112064-01	Clinical Sensors, Inc.	
93.855	I	256,582	-	-	Allergy and Infectious Diseases Research	2R42AI112064-03	Clinical Sensors, Inc.	
93.855	I	59,395	-	-	Allergy and Infectious Diseases Research	G-2544-1	Colorado State University	
93.855	I	159,451	-	-	Allergy and Infectious Diseases Research	G-45858-04	Colorado State University	
93.855	I	(2,721)	-	-	Allergy and Infectious Diseases Research	5(GG008377-19)	Columbia University	
93.855	I	688,829	-	-	Allergy and Infectious Diseases Research	5(GG008377-29)	Columbia University	
93.855	I	278,440	-	-	Allergy and Infectious Diseases Research	5(GG008377-39)	Columbia University	
93.855	I	(43,620)	-	-	Allergy and Infectious Diseases Research	1(GG007638)	Columbia University Trustees	
93.855	I	3,038	-	-	Allergy and Infectious Diseases Research	16111865-04	Cornell University Medical Campus	
93.855	I	581,318	-	-	Allergy and Infectious Diseases Research	180185	Cornell University Medical Campus	
93.855	I	220,563	-	-	Allergy and Infectious Diseases Research	000503356-SP002-025	Creative and Novel Ideas in HIV Research	
93.855	I	42,353	-	-	Allergy and Infectious Diseases Research	1651R18	Dartmouth College	
93.855	I	53,665	-	-	Allergy and Infectious Diseases Research	203-7732	Duke University	
93.855	I	104,804	-	-	Allergy and Infectious Diseases Research	203-7757	Duke University	
93.855	I	83,728	-	-	Allergy and Infectious Diseases Research	203-8436	Duke University	
93.855	I	29,201	-	-	Allergy and Infectious Diseases Research	2032190	Duke University	
93.855	I	261,471	-	-	Allergy and Infectious Diseases Research	2032192	Duke University	
93.855	I	512,295	-	-	Allergy and Infectious Diseases Research	2034857	Duke University	
93.855	I	139,428	-	-	Allergy and Infectious Diseases Research	2035707	Duke University	
93.855	I	1,288	-	-	Allergy and Infectious Diseases Research	2035714	Duke University	
93.855	I	9,545	-	-	Allergy and Infectious Diseases Research	2037381	Duke University	
93.855	I	3,317	-	-	Allergy and Infectious Diseases Research	235058	Duke University	
93.855	I	21,114	-	-	Allergy and Infectious Diseases Research	3020909	Duke University	
93.855	I	56,761	-	-	Allergy and Infectious Diseases Research	3021001	Duke University	
93.855	I	145,397	-	-	Allergy and Infectious Diseases Research	3021016	Duke University	
93.855	I	45,462	-	-	Allergy and Infectious Diseases Research	3021054	Duke University	
93.855	I	6,401	-	-	Allergy and Infectious Diseases Research	N/A	Duke University	
93.855	I	136,100	-	-	Allergy and Infectious Diseases Research	2035484	Duke University Medical Center	
93.855	I	331,618	-	-	Allergy and Infectious Diseases Research	2036404	Duke University Medical Center	
93.855	I	2,400	-	-	Allergy and Infectious Diseases Research	N/A	Emory University (EU)	
93.855	I	5,057	-	-	Allergy and Infectious Diseases Research	T701239	Emory University (EU)	
93.855	I	121,921	-	-	Allergy and Infectious Diseases Research	T817182 (T652736)	Emory University (EU)	
93.855	I	3,931	-	-	Allergy and Infectious Diseases Research	N/A	EpiCypher, Inc.	
93.855	I	25,256	-	-	Allergy and Infectious Diseases Research	PO17000385	FHI 360	
93.855	I	46,578	-	-	Allergy and Infectious Diseases Research	0080.0144/955	Family Health International	
93.855	I	507,248	(1,777)	-	Allergy and Infectious Diseases Research	0080.0247/104122	Family Health International	
93.855	I	13,273	(35,375)	-	Allergy and Infectious Diseases Research	15001682	Family Health International	
93.855	I	51,315	-	-	Allergy and Infectious Diseases Research	15001683	Family Health International	
93.855	I	(7,501)	-	-	Allergy and Infectious Diseases Research	799/0080.0233	Family Health International	
93.855	I	476,453	-	-	Allergy and Infectious Diseases Research	861/0080.0016	Family Health International	
93.855	I	18,002	-	-	Allergy and Infectious Diseases Research	956/0080.0145/ GO 00	Family Health International	
93.855	I	13,581	-	-	Allergy and Infectious Diseases Research	972/0080.0174	Family Health International	
93.855	I	74,575	-	-	Allergy and Infectious Diseases Research	N/A	Family Health International	
93.855	I	862,837	(600)	-	Allergy and Infectious Diseases Research	PO 15004410	Family Health International	
93.855	I	533,653	91,704	-	Allergy and Infectious Diseases Research	PO 15004411	Family Health International	
93.855	I	257,278	-	-	Allergy and Infectious Diseases Research	PO 16002863	Family Health International	
93.855	I	46,837	24,697	-	Allergy and Infectious Diseases Research	PO 16003096	Family Health International	
93.855	I	25,667	-	-	Allergy and Infectious Diseases Research	PO 17004265	Family Health International	
93.855	I	31,065	-	-	Allergy and Infectious Diseases Research	PO 18001617	Family Health International	
93.855	I	280,009	151,421	-	Allergy and Infectious Diseases Research	PO15000443	Family Health International	
93.855	I	376,570	313	-	Allergy and Infectious Diseases Research	PO17001853	Family Health International	
93.855	I	228,692	228,692	-	Allergy and Infectious Diseases Research	PO17001868	Family Health International	
93.855	I	410,122	226,079	-	Allergy and Infectious Diseases Research	PO17002292	Family Health International	
93.855	I	106,986	7,875	-	Allergy and Infectious Diseases Research	PO17003035	Family Health International	



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Federal CFDA	Direct /	Program	Amount Provided to				
Number	Indirect	Expenditures	Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.855	I	49,392	-	Allergy and Infectious Diseases Research	0000892599	Fred Hutchinson Cancer Research Center	
93.855	I	34,168	-	Allergy and Infectious Diseases Research	0000900563	Fred Hutchinson Cancer Research Center	
93.855	I	50,577	-	Allergy and Infectious Diseases Research	0000925916	Fred Hutchinson Cancer Research Center	
93.855	I	6,895	-	Allergy and Infectious Diseases Research	0000936571	Fred Hutchinson Cancer Research Center	
93.855	I	30,429	-	Allergy and Infectious Diseases Research	2501	Henry M Jackson Foundation	
93.855	I	278,231	-	Allergy and Infectious Diseases Research	2501/ 824643	Henry M Jackson Foundation	
93.855	I	205,344	-	Allergy and Infectious Diseases Research	2502/ PO 824894	Henry M Jackson Foundation	
93.855	I	11,716	-	Allergy and Infectious Diseases Research	2927/ 850356	Henry M Jackson Foundation	
93.855	I	13,028	-	Allergy and Infectious Diseases Research	824894/ 2502	Henry M Jackson Foundation	
93.855	I	33,484	-	Allergy and Infectious Diseases Research	N/A	Institute for Clinical Research	
93.855	I	12,482	-	Allergy and Infectious Diseases Research	2002815334	Johns Hopkins University	
93.855	I	5,304	-	Allergy and Infectious Diseases Research	2002967331	Johns Hopkins University	
93.855	I	53,702	-	Allergy and Infectious Diseases Research	2003037086	Johns Hopkins University	
93.855	I	79,726	-	Allergy and Infectious Diseases Research	2003383922 200338391	Johns Hopkins University	
93.855	I	130,203	-	Allergy and Infectious Diseases Research	2003478036	Johns Hopkins University	
93.855	I	27,514	-	Allergy and Infectious Diseases Research	LDR-10 PO 2002688423	Johns Hopkins University	
93.855	I	156,231	-	Allergy and Infectious Diseases Research	N/A	Johns Hopkins University	
93.855	I	227,600	-	Allergy and Infectious Diseases Research	PO 2002815333	Johns Hopkins University	
93.855	I	22,050	-	Allergy and Infectious Diseases Research	PO 2002815334	Johns Hopkins University	
93.855	I	450,900	(17,876)	Allergy and Infectious Diseases Research	PO# 2002815334	Johns Hopkins University	
93.855	I	(4)	-	Allergy and Infectious Diseases Research	9294	Magee-Women's Research Institute & Foundation	
93.855	I	235,728	(32,014)	Allergy and Infectious Diseases Research	9469	Magee-Women's Research Institute & Foundation	
93.855	I	229,209	8,789	Allergy and Infectious Diseases Research	9532	Magee-Women's Research Institute & Foundation	
93.855	I	102,497	-	Allergy and Infectious Diseases Research	231656	Massachusetts General Hospital	
93.855	I	221,047	-	Allergy and Infectious Diseases Research	R01AI111965	Monash University	
93.855	I	5,707	-	Allergy and Infectious Diseases Research	0254-6992-4609	Mount Sinai School of Medicine	
93.855	I	(27,273)	-	Allergy and Infectious Diseases Research	0255-0621-4609	Mount Sinai School of Medicine	
93.855	I	5,830	-	Allergy and Infectious Diseases Research	0258-3962	Mount Sinai School of Medicine	
93.855	I	(1,752)	-	Allergy and Infectious Diseases Research	N/A	Mucommune, LLC	
93.855	I	39,351	-	Allergy and Infectious Diseases Research	700154-0119-00	Nationwide Children's Hospital	
93.855	I	60,053	-	Allergy and Infectious Diseases Research	16-A0-00-006199-01	New York University (NYU)	
93.855	I	180,795	-	Allergy and Infectious Diseases Research	2016-0593	Nirvana Sciences, Inc.	
93.855	I	16,521	-	Allergy and Infectious Diseases Research	60040631 UNC	Northwestern University	
93.855	I	9,821	-	Allergy and Infectious Diseases Research	1005926_UNCCH	Oregon Health and Science University	
93.855	I	47,752	-	Allergy and Infectious Diseases Research	17-292	Profectus Biosciences, Inc.	
93.855	I	64,068	-	Allergy and Infectious Diseases Research	1R01AI131688-01	Rockefeller University	
93.855	I	18,130	-	Allergy and Infectious Diseases Research	5R01AI1316888-02	Rockefeller University	
93.855	I	8,845	-	Allergy and Infectious Diseases Research	8316	Rutgers the State University of New Jersey	
93.855	I	49,068	-	Allergy and Infectious Diseases Research	R988507	SUNY at Buffalo	
93.855	I	58,177	-	Allergy and Infectious Diseases Research	5-20807	Scripps Research Institute	
93.855	I	15,726	-	Allergy and Infectious Diseases Research	A18-0078-S001	The Board of Trustees of Illinois State	
93.855	I	(12)	-	Allergy and Infectious Diseases Research	000503356-SP002-SC006	University of Alabama	
93.855	I	(43,299)	-	Allergy and Infectious Diseases Research	000397076-011	University of Alabama at Birmingham	
93.855	I	15,208	-	Allergy and Infectious Diseases Research	000421524-004	University of Alabama at Birmingham	
93.855	I	365,480	-	Allergy and Infectious Diseases Research	000502793 -005	University of Alabama at Birmingham	
93.855	I	45,608	-	Allergy and Infectious Diseases Research	000502793-005	University of Alabama at Birmingham	
93.855	I	242,991	-	Allergy and Infectious Diseases Research	000502793-008	University of Alabama at Birmingham	
93.855	I	236,766	-	Allergy and Infectious Diseases Research	0005100836-008	University of Alabama at Birmingham	
93.855	I	(7,088)	-	Allergy and Infectious Diseases Research	000510836-008	University of Alabama at Birmingham	
93.855	I	109,505	-	Allergy and Infectious Diseases Research	201303042-02	University of Cal - Davis	
93.855	I	2,907	-	Allergy and Infectious Diseases Research	9302SC	University of California Regents	
93.855	I	(341)	-	Allergy and Infectious Diseases Research	00008956	University of California at Berkeley	
93.855	I	252,354	-	Allergy and Infectious Diseases Research	00008956/ POBB006442	University of California at Berkeley	
93.855	I	8,677	-	Allergy and Infectious Diseases Research	94075853	University of California at San Diego	
93.855	I	3,565	-	Allergy and Infectious Diseases Research	10351sc	University of California at San Francisco	
93.855	I	1,360	-	Allergy and Infectious Diseases Research	10381SC	University of California at San Francisco	
93.855	I	269,288	-	Allergy and Infectious Diseases Research	N/A	University of Cape Town	
93.855	I	(13)	-	Allergy and Infectious Diseases Research	MA150048	University of Hawaii	
93.855	I	31,473	-	Allergy and Infectious Diseases Research	W000834356	University of Iowa	
93.855	I	30,002	-	Allergy and Infectious Diseases Research	OSP2018069/ WA006836	University of Massachusetts	
93.855	I	202,145	-	Allergy and Infectious Diseases Research	OSP2018037	University of Massachusetts Medical School	

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Federal CFDA	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.855	I	136,529	-	Allergy and Infectious Diseases Research	3004163909	University of Michigan (UMICH)	
93.855	I	120,375	-	Allergy and Infectious Diseases Research	N005402801	University of Minnesota	
93.855	I	6,815	-	Allergy and Infectious Diseases Research	P004756921	University of Minnesota Board of Regents	
93.855	I	9,694	-	Allergy and Infectious Diseases Research	0043800 (125428-1)	University of Pittsburgh	
93.855	I	78,877	-	Allergy and Infectious Diseases Research	0047867 (126557-1)	University of Pittsburgh	
93.855	I	41,584	-	Allergy and Infectious Diseases Research	17-3287/ PO200003094	University of South Carolina (USC)	
93.855	I	11,741	-	Allergy and Infectious Diseases Research	UTA18-000140	University of Texas at Austin	
93.855	I	111	-	Allergy and Infectious Diseases Research	GB10296 151323	University of Virginia	
93.855	I	409	-	Allergy and Infectious Diseases Research	PO#754876/UWSC7179	University of Washington	
93.855	I	130,960	-	Allergy and Infectious Diseases Research	UWSC7489	University of Washington	
93.855	I	(269)	-	Allergy and Infectious Diseases Research	684K644	University of Wisconsin at Madison	
93.855	I	60,260	-	Allergy and Infectious Diseases Research	755K241	University of Wisconsin at Madison	
93.855	I	6,972	-	Allergy and Infectious Diseases Research	41666	Vanderbilt University Medical Center	
93.855	I	10,915	-	Allergy and Infectious Diseases Research	VUMC 41666	Vanderbilt University Medical Center	
93.855	I	25,105	-	Allergy and Infectious Diseases Research	608195277/D1404210	Wits Health Consortium	
93.856	D	479,753	382,012	Microbiology and Infectious Diseases Research			
93.859	D	38,602,723	13,793,702	Biomedical Research and Research Training			
93.859	I	30,663	-	Biomedical Research and Research Training	18-0634	250Glycan Therapeutics, Inc.	
93.859	I	27,839	-	Biomedical Research and Research Training	N/A	250Glycan Therapeutics, Inc.	
93.859	I	77,231	-	Biomedical Research and Research Training	N/A	AI Tracking Solutions, Inc.	
93.859	I	229,835	-	Biomedical Research and Research Training	R42GM106421	Cell Microsystems, Inc.	
93.859	I	(2,232)	-	Biomedical Research and Research Training	1R43GM117948-01A1	Clinical Sensors, Inc.	
93.859	I	116,555	-	Biomedical Research and Research Training	78565-10763	Cornell University	
93.859	I	(730)	-	Biomedical Research and Research Training	12-NIH-1009	Duke University	
93.859	I	6,683	-	Biomedical Research and Research Training	A030019	Duke University	
93.859	I	27,935	-	Biomedical Research and Research Training	203-3125	Duke University Medical Center	
93.859	I	13,966	-	Biomedical Research and Research Training	N/A	EpiCypher, Inc.	
93.859	I	3,122	-	Biomedical Research and Research Training	FCCC15101-01	Fox Chase Cancer Center	
93.859	I	11,266	-	Biomedical Research and Research Training	FCCC15101-02	Fox Chase Cancer Center	
93.859	I	55,917	-	Biomedical Research and Research Training	0000905066	Fred Hutchinson Cancer Research Center	
93.859	I	75,942	-	Biomedical Research and Research Training	RF164-G1	Georgia Institute of Technology	
93.859	I	6,304	-	Biomedical Research and Research Training	RJ-193-G1	Georgia Institute of Technology Research	
93.859	I	1,471	-	Biomedical Research and Research Training	PO#1594722/IN4684684	Indiana University System	
93.859	I	58,706	-	Biomedical Research and Research Training	MUSC16-036	Medical University of South Carolina (MUSC)	
93.859	I	95,555	-	Biomedical Research and Research Training	RC104917UNC	Michigan State University	
93.859	I	42,915	-	Biomedical Research and Research Training	N/A	Ribometrix, Inc.	
93.859	I	98,262	-	Biomedical Research and Research Training	N/A	SciKon Innovation, Inc.	
93.859	I	63,108	-	Biomedical Research and Research Training	361195-13340-02	Temple University	
93.859	I	14,353	-	Biomedical Research and Research Training	2017-3475	University of California at Irvine	
93.859	I	7,152	-	Biomedical Research and Research Training	FY2016-001	University of Kansas Center for Research	
93.859	I	57,392	-	Biomedical Research and Research Training	WA00473947/OSP201704	University of Massachusetts	
93.859	I	242,621	-	Biomedical Research and Research Training	WA00615827/ OSP20170	University of Massachusetts	
93.859	I	(71,777)	-	Biomedical Research and Research Training	3003094798	University of Michigan	
93.859	I	126,849	-	Biomedical Research and Research Training	3004653332	University of Michigan (UMICH)	
93.859	I	49,607	-	Biomedical Research and Research Training	3004537869	University of Michigan Ann Arbor	
93.859	I	(14)	-	Biomedical Research and Research Training	0023300(119860-1)	University of Pittsburgh	
93.859	I	39,234	-	Biomedical Research and Research Training	GB10488.156554	University of Virginia	
93.865	D	40,693,194	764,857	Child Health and Human Development Extramural Research			
93.865	I	26,009	-	Child Health and Human Development Extramural Research	17-2667	Affinity, Inc.	
93.865	I	5,849	(25)	Child Health and Human Development Extramural Research	16091646-01/182878	Cornell University Weill Medical College	
93.865	I	193,750	-	Child Health and Human Development Extramural Research	14-NIH-1039	Duke University	
93.865	I	15,007	-	Child Health and Human Development Extramural Research	201316	Duke University	
93.865	I	41,989	-	Child Health and Human Development Extramural Research	203-5652	Duke University	
93.865	I	75,778	-	Child Health and Human Development Extramural Research	203-6353	Duke University	
93.865	I	1,302	-	Child Health and Human Development Extramural Research	203-8975	Duke University	
93.865	I	27,204	-	Child Health and Human Development Extramural Research	2034757	Duke University	
93.865	I	62,808	-	Child Health and Human Development Extramural Research	2035282	Duke University	
93.865	I	124,108	-	Child Health and Human Development Extramural Research	2036108	Duke University	
93.865	I	17,662	-	Child Health and Human Development Extramural Research	2036309	Duke University	
93.865	I	5,690	-	Child Health and Human Development Extramural Research	2037053	Duke University	
93.865	I	13,165	(1,200)	Child Health and Human Development Extramural Research	2831024	Duke University	

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.865	I	39,784	-	Child Health and Human Development Extramural Research	3021051	Duke University	
93.865	I	52,566	(780)	Child Health and Human Development Extramural Research	3836242/206028	Duke University	
93.865	I	88,672	-	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	23,588	-	Child Health and Human Development Extramural Research	N/A	Duke University Medical Center	
93.865	I	6,053	-	Child Health and Human Development Extramural Research	S120282-3	Eastern Virginia Medical School	
93.865	I	505,983	77,011	Child Health and Human Development Extramural Research	N/A	George Washington University	
93.865	I	29,380	-	Child Health and Human Development Extramural Research	114205-1385-5106544	Harvard University	
93.865	I	47,339	37,447	Child Health and Human Development Extramural Research	2002795954	Johns Hopkins University	
93.865	I	(29,374)	-	Child Health and Human Development Extramural Research	N/A	Liverpool School of Tropical Medicine	
93.865	I	8,828	-	Child Health and Human Development Extramural Research	RC104815NCSU	Michigan State University	
93.865	I	11,849	-	Child Health and Human Development Extramural Research	RC106691D	Michigan State University	
93.865	I	659,737	(13,605)	Child Health and Human Development Extramural Research	F4330-02	New York University (NYU)	
93.865	I	55,059	-	Child Health and Human Development Extramural Research	60050547	Ohio State University	
93.865	I	397,086	(4,408)	Child Health and Human Development Extramural Research	5385-UNCCH-DHHS-4807	Pennsylvania State University	
93.865	I	70,271	-	Child Health and Human Development Extramural Research	3730 (COST CENTER 81370)	Rehabilitation Inst Of Chicago	
93.865	I	53,321	-	Child Health and Human Development Extramural Research	1-312-0215374-52637L	Research Triangle Institute (RTI International)	
93.865	I	12,091	-	Child Health and Human Development Extramural Research	1-312-0216102-65094L	Research Triangle Institute (RTI International)	
93.865	I	9,131	-	Child Health and Human Development Extramural Research	61411565-47273	Stanford University	
93.865	I	15,343	-	Child Health and Human Development Extramural Research	61676814-47273	Stanford University	
93.865	I	27,352	-	Child Health and Human Development Extramural Research	TUL-HSC-555717-17/18	Tulane University	
93.865	I	48,704	-	Child Health and Human Development Extramural Research	000509380-SP004-003	University of Alabama at Birmingham	
93.865	I	25,236	-	Child Health and Human Development Extramural Research	2015-3286	University of California at Irvine	
93.865	I	17,438	-	Child Health and Human Development Extramural Research	2000-G-VM484	University of California at Los Angeles	
93.865	I	1,164	-	Child Health and Human Development Extramural Research	N/A	University of Cape Town	
93.865	I	52,395	-	Child Health and Human Development Extramural Research	1553411	University of Colorado at Boulder	
93.865	I	29,588	-	Child Health and Human Development Extramural Research	SC37547-02-00	University of Denver	
93.865	I	95,154	-	Child Health and Human Development Extramural Research	UFDSP00011045	University of Florida	
93.865	I	5,554	-	Child Health and Human Development Extramural Research	N006344802	University of Minnesota	
93.865	I	12,025	-	Child Health and Human Development Extramural Research	571036 /PO 3979378	University of Pennsylvania	
93.865	I	29,165	-	Child Health and Human Development Extramural Research	571036/PO#3762262	University of Pennsylvania	
93.865	I	39,998	-	Child Health and Human Development Extramural Research	15-2719/PO2000020719	University of South Carolina (USC)	
93.865	I	21,746	-	Child Health and Human Development Extramural Research	PD301855-SC102433	Virginia Commonwealth University (VCU)	
93.865	I	11,158	-	Child Health and Human Development Extramural Research	PD302900-SC-105276	Virginia Commonwealth University (VCU)	
93.865	I	957	(780)	Child Health and Human Development Extramural Research	N/A	Virtually Better, Inc.	
93.865	I	861	-	Child Health and Human Development Extramural Research	440545/440547	Wake Forest University Health Sciences	
93.865	I	165,374	-	Child Health and Human Development Extramural Research	D1404360-01	Wits Health Consortium	
93.865	I	141,359	-	Child Health and Human Development Extramural Research	9373	Women and Infants Hospital of Rhode Island	
93.865	I	20,058	-	Child Health and Human Development Extramural Research	GR101950 (CON-800011	Yale University	
93.865	I	187,024	173,000	Child Health and Human Development Extramural Research	GR101978(CON-8000112	Yale University	
93.865	I	49,951	-	Child Health and Human Development Extramural Research	M14A12036 (A10949)	Yale University	
93.866	D	7,197,404	501,712	Aging Research			
93.866	I	22,292	-	Aging Research	4500002102	Boston University	
93.866	I	56,058	-	Aging Research	23030.1000102.669202	City of Hope National Medical Center	
93.866	I	77,710	-	Aging Research	9SB1AG059313	Cytex Therapeutics, Inc.	
93.866	I	178,175	-	Aging Research	N/A	Dignify Therapeutics	
93.866	I	339	-	Aging Research	2014-1244	Doty Scientific, Inc.	
93.866	I	222,220	-	Aging Research	13-NIH-1080	Duke University	
93.866	I	(21)	-	Aging Research	15-NIH-1049	Duke University	
93.866	I	52,882	-	Aging Research	203-6200	Duke University	
93.866	I	52,441	-	Aging Research	203-7097	Duke University	
93.866	I	17,745	-	Aging Research	2034216	Duke University	
93.866	I	9,674	-	Aging Research	10.10.91562	Hebrew Rehabilitation Center	
93.866	I	8,089	-	Aging Research	90076	Hebrew SeniorLife	
93.866	I	42,856	-	Aging Research	2003060831	Johns Hopkins University	
93.866	I	35,134	-	Aging Research	2003160709	Johns Hopkins University	
93.866	I	47,351	-	Aging Research	2003190090	Johns Hopkins University	
93.866	I	3,709	-	Aging Research	2003379634	Johns Hopkins University	
93.866	I	402,814	-	Aging Research	2003475848	Johns Hopkins University	
93.866	I	18,368	-	Aging Research	RC105335E	Michigan State University	
93.866	I	47,953	-	Aging Research	60041739 UNC	Northwestern University	
93.866	I	86,583	-	Aging Research	A12418	Rensselaer Polytechnic Institute (RPI)	

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Federal CFDA	Direct /	Program	Amount Provided to				
Number	Indirect	Expenditures	Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.866	I	48,330	-	Aging Research	A18-0168-S001	University of California at Davis	
93.866	I	21,839	-	Aging Research	1558 G VA099	University of California at Los Angeles	
93.866	I	3,983	-	Aging Research	103896352	University of California at San Diego	
93.866	I	12,849	-	Aging Research	KK1632	University of California at Santa Barbara	
93.866	I	78,354	-	Aging Research	FP062370 B	University of Chicago	
93.866	I	8,594	-	Aging Research	RR540-193/4942156	University of Georgia	
93.866	I	141,541	-	Aging Research	SUBAWARD # 667146	University of Miami	
93.866	I	19,396	-	Aging Research	SUBAWARD NO. 667607	University of Miami	
93.866	I	9,540	-	Aging Research	2616022661	University of Texas at Arlington	
93.866	I	61,276	-	Aging Research	UTA15-000439	University of Texas at Austin	
93.866	I	3,873	-	Aging Research	0011496A	University of Texas at Houston Health	
93.866	I	87,004	-	Aging Research	674K531	University of Wisconsin at Madison	
93.866	I	18,356	-	Aging Research	VUMC 38284	Vanderbilt University	
93.866	I	37,502	-	Aging Research	WFUHS-115068	Wake Forest University Health Sciences	
93.867	D	3,735,255	32,017	Vision Research			
93.867	I	61,589	-	Vision Research	N/A	Jaeb Center for Health Research	
93.867	I	5,561	-	Vision Research	20000-0000016024	Massachusetts Eye and Ear Infirmary	
93.867	I	22,628	-	Vision Research	10033536-00	University of Utah	
93.867	I	4,783	-	Vision Research	10033536-00/ U000025	University of Utah	
93.876	D	38,915	-	Antimicrobial Resistance Surveillance in Retail Food Specimens			
93.879	D	355,293	(60)	Medical Library Assistance			
93.879	I	18,872	-	Medical Library Assistance	1600679	University of Maryland at Baltimore (UMB)	
93.879	I	419	-	Medical Library Assistance	10028048-01	University of Utah	
93.884	D	68,610	68,610	Grants for Primary Care Training and Enhancement			
93.918	D	588,946	-	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease			
93.924	D	6,519	6,519	Ryan White HIV/AIDS Dental Reimbursement and Community Based Dental Partnership Grants			
93.926	D	237,213	105,461	Healthy Start Initiative			
93.928	D	266,991	140,475	Special Projects of National Significance			
93.928	I	246,940	115,969	Special Projects of National Significance	N/A	National AIDS Fund	
93.941	I	50,948	-	HIV Demonstration, Research, Public and Professional Education Projects	T886562	Emory University (EU)	
93.945	D	333,814	10,132	Assistance Programs for Chronic Disease Prevention and Control			
93.945	I	1,749	-	Assistance Programs for Chronic Disease Prevention and Control	0618-076	Alaska Department of Health and Social Security	
93.945	I	1,943	-	Assistance Programs for Chronic Disease Prevention and Control	6100334214	University of Southern Maine	
93.945	I	15,710	-	Assistance Programs for Chronic Disease Prevention and Control	6482102	University of Southern Maine	
93.946	D	50,737	50,737	Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs			
93.969	D	834,878	834,878	PPHF Geriatric Education Centers			
93.989	D	3,076,714	174,315	International Research and Research Training			
93.989	I	43,011	-	International Research and Research Training	1(GG010661-01)	Columbia University Trustees	
93.989	I	20,106	-	International Research and Research Training	60042025 UNC	Northwestern University	
93.989	I	28,809	-	International Research and Research Training	S005253	Stellenbosch University	
93.999	I	69,799	-	Test for Suppression Effects of Advanced Energy	N/A	Universidad del Valle de Guatemala (UVG)	
93.RD	D	539,535	167,572	U. S. Department of Health and Human Services			A09-0420-009
93.RD	D	2,058,637	-	U. S. Department of Health and Human Services			A09-0420-013
93.RD	D	125,327	-	U. S. Department of Health and Human Services			A09-1582-001
93.RD	D	(4)	-	U. S. Department of Health and Human Services			A11-0691-001
93.RD	D	3,454,344	(23,935)	U. S. Department of Health and Human Services			A13-1294-001
93.RD	D	480,213	-	U. S. Department of Health and Human Services			A14-0502-001
93.RD	D	61,315	-	U. S. Department of Health and Human Services			A15-0571-001
93.RD	D	54,828	-	U. S. Department of Health and Human Services			A15-1261-001
93.RD	D	28,092	-	U. S. Department of Health and Human Services			A15-1694-002
93.RD	D	31,359	31,359	U. S. Department of Health and Human Services			A16-0111-003
93.RD	D	595,157	-	U. S. Department of Health and Human Services			A16-0475-001
93.RD	D	7,982	-	U. S. Department of Health and Human Services			A17-0509-001
93.RD	D	50,419	-	U. S. Department of Health and Human Services			A17-0524-001
93.RD	D	135,659	135,659	U. S. Department of Health and Human Services			A17-0524-002
93.RD	D	2,543,561	16,747	U. S. Department of Health and Human Services			A17-0674-001
93.RD	D	242,414	242,414	U. S. Department of Health and Human Services			A17-0674-003
93.RD	D	1,244,114	834,376	U. S. Department of Health and Human Services			A17-0674-004
93.RD	D	1,038,483	-	U. S. Department of Health and Human Services			A17-0687-001

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For the Fiscal Year Ended June 30, 2018

Federal	CFDA	Direct /	Program	Amount				
	Number	Indirect	Expenditures	Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.RD	D		36,371	-	U. S. Department of Health and Human Services			A17-0873-001
93.RD	D		11,097	-	U. S. Department of Health and Human Services			A17-0979-001
93.RD	D		48,867	38,983	U. S. Department of Health and Human Services			A17-1342-001
93.RD	D		198,646	-	U. S. Department of Health and Human Services			A17-1569-001
93.RD	D		2,041	-	U. S. Department of Health and Human Services			A17-1593-001
93.RD	D		1,461	-	U. S. Department of Health and Human Services			A17-1671-001
93.RD	D		3,497	2,020	U. S. Department of Health and Human Services			A18-0296-001
93.RD	D		28,119	-	U. S. Department of Health and Human Services			A18-0398-001
93.RD	D		23,449	-	U. S. Department of Health and Human Services			A18-0821-001
93.RD	D		2,666	-	U. S. Department of Health and Human Services			A18-1056-001
93.RD	D		4,035	-	U. S. Department of Health and Human Services			A18-1166-001
93.RD	D		4,721	-	U. S. Department of Health and Human Services			A18-1208-001
93.RD	D		24,258	-	U. S. Department of Health and Human Services			A18-1218-001
93.RD	D		8,000	-	U. S. Department of Health and Human Services			A18-1224-001
93.RD	D		12,878	-	U. S. Department of Health and Human Services			A18-1238-001
93.RD	D		256,931	50,045	U. S. Department of Health and Human Services			HHSF223201610583P
93.RD	I		22,013	-	U. S. Department of Health and Human Services	N/A	250Glycan Therapeutics, Inc.	A16-0917-001
93.RD	I		195,052	-	U. S. Department of Health and Human Services	N/A	250Glycan Therapeutics, Inc.	A16-0917-003
93.RD	I		135,773	-	U. S. Department of Health and Human Services	43777	Abt Associates, Inc.	A15-0639-003
93.RD	I		56,794	-	U. S. Department of Health and Human Services	43777	Abt Associates, Inc.	A15-0639-005
93.RD	I		200,513	-	U. S. Department of Health and Human Services	2017.707.001UNC	AcademyHealth	A18-0395-001
93.RD	I		(1,527)	-	U. S. Department of Health and Human Services	008-1116	Agile Sciences, Inc.	HHSN272201500010C
93.RD	I		36,671	-	U. S. Department of Health and Human Services	2016-0746	Agile Sciences, Inc.	HHSN272201500010C
93.RD	I		21,658	-	U. S. Department of Health and Human Services	0412400001	American Institutes for Research (AIR)	A17-0785-001
93.RD	I		(7,685)	-	U. S. Department of Health and Human Services	N/A	Argos Therapeutics, Inc.	A10-1766-001
93.RD	I		63	-	U. S. Department of Health and Human Services	15-715	Arizona State University	A15-1415-001
93.RD	I		9,730	(270)	U. S. Department of Health and Human Services	N/A	Association of Maternal and Child Health	A16-1421-001
93.RD	I		59,755	-	U. S. Department of Health and Human Services	1R4ES026916-01	AxNano, LLC	280953
93.RD	I		115,747	-	U. S. Department of Health and Human Services	N/A	Brigham and Women's Hospital	A10-1773-001
93.RD	I		9,630	-	U. S. Department of Health and Human Services	N/A	Brigham and Women's Hospital	A10-1776-001
93.RD	I		30,766	-	U. S. Department of Health and Human Services	N/A	Community Care of North Carolina (CCNC)	A17-0932-001
93.RD	I		20,521	-	U. S. Department of Health and Human Services	N/A	Community Care of North Carolina (CCNC)	A18-0688-001
93.RD	I		8,256	-	U. S. Department of Health and Human Services	000-12-0005-1	DARTNet Institute	A16-1256-002
93.RD	I		5,067	-	U. S. Department of Health and Human Services	11.11.09	DARTNet Institute	A16-1256-003
93.RD	I		50,659	-	U. S. Department of Health and Human Services	N/A	Directors of Health Promotion and Education	A09-0654-001
93.RD	I		25,497	-	U. S. Department of Health and Human Services	203-7570	Duke University	A18-0523-001
93.RD	I		6,093	-	U. S. Department of Health and Human Services	203-8394	Duke University	A16-0937-002
93.RD	I		6,390	-	U. S. Department of Health and Human Services	203-8492	Duke University	A17-1112-001
93.RD	I		10,071	-	U. S. Department of Health and Human Services	203-8758	Duke University	A15-1723-002
93.RD	I		1,815	-	U. S. Department of Health and Human Services	2035584	Duke University	A17-0609-001
93.RD	I		35,438	-	U. S. Department of Health and Human Services	2036749/ 200-2012-53	Duke University	A18-0620-001
93.RD	I		36,260	-	U. S. Department of Health and Human Services	2038152	Duke University	A16-1108-001
93.RD	I		(31)	-	U. S. Department of Health and Human Services	2038781	Duke University	A15-1090-001
93.RD	I		434	-	U. S. Department of Health and Human Services	210424	Duke University	A17-0735-001
93.RD	I		39,000	-	U. S. Department of Health and Human Services	215039	Duke University	A17-0503-001
93.RD	I		340	-	U. S. Department of Health and Human Services	218092	Duke University	A17-1711-001
93.RD	I		2,559	-	U. S. Department of Health and Human Services	383-9754	Duke University	A16-1814-001
93.RD	I		4,686	-	U. S. Department of Health and Human Services	3836242/26028	Duke University	A16-1325-001
93.RD	I		3,122	-	U. S. Department of Health and Human Services	N/A	Duke University	A16-1089-001
93.RD	I		326	-	U. S. Department of Health and Human Services	SUBAWARD N0: 2037138	Duke University	281006
93.RD	I		109,385	-	U. S. Department of Health and Human Services	EA1151	ECOG-ACRIN Cancer Research Group	A18-0567-001
93.RD	I		398	-	U. S. Department of Health and Human Services	EA4151	ECOG-ACRIN Cancer Research Group	A18-0655-001
93.RD	I		6,131	-	U. S. Department of Health and Human Services	N/A	Emory University (EU)	A17-0837-001
93.RD	I		98,523	-	U. S. Department of Health and Human Services	T930446	Emory University (EU)	A18-0690-001
93.RD	I		308,422	-	U. S. Department of Health and Human Services	PO15001683	Family Health International	A15-1720-001
93.RD	I		77,085	-	U. S. Department of Health and Human Services	0000865654	Fred Hutchinson Cancer Research Center	A16-1238-003
93.RD	I		8,782	-	U. S. Department of Health and Human Services	0000865654	Fred Hutchinson Cancer Research Center	A16-1238-006
93.RD	I		72,863	-	U. S. Department of Health and Human Services	N/A	Georgia Medical Care Foundation, Inc.	A17-1447-001
93.RD	I		59,070	-	U. S. Department of Health and Human Services	N/A	Georgia Medical Care Foundation, Inc.	A17-1447-003
93.RD	I		(1,781)	-	U. S. Department of Health and Human Services	EMAIL DATED 4/17/17	Heitech Services, Inc.	280967
93.RD	I		90,329	-	U. S. Department of Health and Human Services	2017-PO-DR-001	Information Management Services, Inc.	A17-0125-002

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Federal CFDA	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.RD	I	26,749	-	U. S. Department of Health and Human Services	GEP/17/04	International Agency for Research on Cancer	A17-1676-001
93.RD	I	130,423	-	U. S. Department of Health and Human Services	00741-PSC-CW CURRICU	JBS International, Inc.	A17-0579-001
93.RD	I	613,755	-	U. S. Department of Health and Human Services	FPNTCUNCY2	John Snow, Inc. (JSI)	A18-0702-001
93.RD	I	21,326	-	U. S. Department of Health and Human Services	N/A	KIYATEC, Inc.	A15-0868-001
93.RD	I	92,016	-	U. S. Department of Health and Human Services	HHS2902015000071	Kaiser Foundation Research Institute	A16-1721-001
93.RD	I	(6,427)	-	U. S. Department of Health and Human Services	200-2016-92145-SK01	Karna, LLC	A17-0772-001
93.RD	I	59,979	-	U. S. Department of Health and Human Services	200-2016-92145-SK01	Karna, LLC	A17-0772-003
93.RD	I	47,779	-	U. S. Department of Health and Human Services	30016-87-381	La Jolla Institute for Allergy and Immunology	A15-1256-003
93.RD	I	15,035	-	U. S. Department of Health and Human Services	30017-87-381	La Jolla Institute for Allergy and Immunology	A15-1256-004
93.RD	I	2,995,382	-	U. S. Department of Health and Human Services	16X250	Leidos Biomedical Research	A17-0747-001
93.RD	I	5,723	-	U. S. Department of Health and Human Services	17X011	Leidos Biomedical Research	A17-1423-001
93.RD	I	(9,847)	-	U. S. Department of Health and Human Services	A56711/29XS126	Leidos Biomedical Research	A11-0308-001
93.RD	I	33,943	-	U. S. Department of Health and Human Services	X17346M/X17346N	Leidos Biomedical Research	A17-1595-001
93.RD	I	56,006	-	U. S. Department of Health and Human Services	18X090	Leidos, Inc. (Formerly Saic)	HHSN261200800001E
93.RD	I	64,361	-	U. S. Department of Health and Human Services	LSBP01378/HHSF22320151013	Lifescience Biomedical	HHSF223201510131A
93.RD	I	234,734	-	U. S. Department of Health and Human Services	N/A	MacroGenics, Inc.	A16-1013-001
93.RD	I	48,654	-	U. S. Department of Health and Human Services	N/A	MacroGenics, Inc.	A16-1938-001
93.RD	I	50,575	-	U. S. Department of Health and Human Services	HHSP233201500059I	Manpower Demonstration Research Corporation	A17-1024-001
93.RD	I	4,649	-	U. S. Department of Health and Human Services	HR1763 SUB0000341	National Academy of Sciences	A13-1335-001
93.RD	I	4,146	-	U. S. Department of Health and Human Services	16GZSK0002	National Collegiate Inventors and Innovators	A17-1217-001
93.RD	I	73,048	-	U. S. Department of Health and Human Services	1011940_UNC	Oregon Health and Science University	A17-1635-001
93.RD	I	15,389	-	U. S. Department of Health and Human Services	400069	RAND Corporation	A17-0580-001
93.RD	I	16,592	-	U. S. Department of Health and Human Services	1-312-0214460-51905L	Research Triangle Institute (RTI International)	A15-0705-001
93.RD	I	51,281	-	U. S. Department of Health and Human Services	1-312-0214491-51947L	Research Triangle Institute (RTI International)	A15-1169-001
93.RD	I	131,779	(400)	U. S. Department of Health and Human Services	1-312-0214531-52014L	Research Triangle Institute (RTI International)	A15-1368-001
93.RD	I	1,977	-	U. S. Department of Health and Human Services	1-312-0215034-052454	Research Triangle Institute (RTI International)	A16-0971-001
93.RD	I	7,612	-	U. S. Department of Health and Human Services	10-312-0213618-52723	Research Triangle Institute (RTI International)	A17-0759-001
93.RD	I	17,908	-	U. S. Department of Health and Human Services	13-312-0214643-52776	Research Triangle Institute (RTI International)	A17-0659-001
93.RD	I	123,263	-	U. S. Department of Health and Human Services	15-312-0214643-52624	Research Triangle Institute (RTI International)	A17-0718-001
93.RD	I	6,755	-	U. S. Department of Health and Human Services	16-312-0214448-52718	Research Triangle Institute (RTI International)	A17-1592-001
93.RD	I	5,544	-	U. S. Department of Health and Human Services	16-312-0214643-52634	Research Triangle Institute (RTI International)	A16-1848-001
93.RD	I	7,095	-	U. S. Department of Health and Human Services	16-312-0214643-52634	Research Triangle Institute (RTI International)	A16-1848-002
93.RD	I	109,292	-	U. S. Department of Health and Human Services	17-312-0214643-52761	Research Triangle Institute (RTI International)	A17-1054-001
93.RD	I	132,311	-	U. S. Department of Health and Human Services	18-312-0214643-52894	Research Triangle Institute (RTI International)	A17-1450-001
93.RD	I	127,466	-	U. S. Department of Health and Human Services	19-312-0214643-52895	Research Triangle Institute (RTI International)	A17-1433-001
93.RD	I	192,431	-	U. S. Department of Health and Human Services	20-312-0214643-65059	Research Triangle Institute (RTI International)	A18-0619-001
93.RD	I	8,117	-	U. S. Department of Health and Human Services	23-312-0214643-65236	Research Triangle Institute (RTI International)	A18-1213-001
93.RD	I	(4,300)	-	U. S. Department of Health and Human Services	3-312-0213462	Research Triangle Institute (RTI International)	A14-0481-001
93.RD	I	56,596	-	U. S. Department of Health and Human Services	3-312-0213776-52063L	Research Triangle Institute (RTI International)	A15-1602-001
93.RD	I	22,968	-	U. S. Department of Health and Human Services	30-312-0212305-52187	Research Triangle Institute (RTI International)	A15-1714-001
93.RD	I	17,697	-	U. S. Department of Health and Human Services	4-312-0215034-52774L	Research Triangle Institute (RTI International)	A17-1115-001
93.RD	I	409,125	-	U. S. Department of Health and Human Services	5-312-0214643-52341L	Research Triangle Institute (RTI International)	A16-1520-001
93.RD	I	72,969	-	U. S. Department of Health and Human Services	6-312-0214780-52373L	Research Triangle Institute (RTI International)	A16-1228-001
93.RD	I	24,345	-	U. S. Department of Health and Human Services	7-312-0213618-52523L	Research Triangle Institute (RTI International)	A16-0775-001
93.RD	I	25,894	-	U. S. Department of Health and Human Services	7-312-0213618-52523L	Research Triangle Institute (RTI International)	A16-0775-003
93.RD	I	94,456	-	U. S. Department of Health and Human Services	8-312-0214077-51973L	Research Triangle Institute (RTI International)	A15-0970-001
93.RD	I	20,779	-	U. S. Department of Health and Human Services	888-11-16-04	Research Triangle Institute (RTI International)	A13-0932-001
93.RD	I	44	-	U. S. Department of Health and Human Services	9-312-0213462-51888L	Research Triangle Institute (RTI International)	A14-1724-001
93.RD	I	3,348	-	U. S. Department of Health and Human Services	13XS093	SAIC-Frederick, Inc.	A13-1196-001
93.RD	I	(1,691)	-	U. S. Department of Health and Human Services	5-50682	Scripps Research Institute	A14-1282-001
93.RD	I	26,914	-	U. S. Department of Health and Human Services	CRB-SSS-S-15-004559	Social and Scientific Systems (S3), Inc.	A16-1847-001
93.RD	I	(536)	-	U. S. Department of Health and Human Services	PHR-SSS-P-13-003160	Social and Scientific Systems (S3), Inc.	A14-0799-001
93.RD	I	39,748	-	U. S. Department of Health and Human Services	095054	Southern Research Institute	A17-1543-001
93.RD	I	21,852	-	U. S. Department of Health and Human Services	4000028116	Takeda Vaccine (Montana), Inc.	A17-0808-001
93.RD	I	12,362	-	U. S. Department of Health and Human Services	#06-S170631	Texas A&M Agrilife Research	200-2016-91789
93.RD	I	101,451	1,600	U. S. Department of Health and Human Services	000500918-T011-007	University of Alabama at Birmingham	A17-1402-001
93.RD	I	1,392	-	U. S. Department of Health and Human Services	000500918-T013-008	University of Alabama at Birmingham	A17-1321-001
93.RD	I	8,222	-	U. S. Department of Health and Human Services	000500918-T013-008	University of Alabama at Birmingham	A17-1321-002
93.RD	I	8,757	-	U. S. Department of Health and Human Services	N/A	University of Alabama at Birmingham	A07-1265-004
93.RD	I	18,364	-	U. S. Department of Health and Human Services	N/A	University of Alabama at Birmingham	A08-1541-001
93.RD	I	46,526	-	U. S. Department of Health and Human Services	430429	University of Arizona	A17-1737-001

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
93.RD	I	240,441	-	U. S. Department of Health and Human Services	SUBAWARD NO:UFDSP00010628	University of Florida	280850
93.RD	I	110,889	-	U. S. Department of Health and Human Services	1001837485	University of Iowa	A17-1577-001
93.RD	I	2,190	-	U. S. Department of Health and Human Services	3004345260	University of Michigan Ann Arbor	A17-0994-001
93.RD	I	109,847	-	U. S. Department of Health and Human Services	66102700414-04UNC-MM	University of Mississippi Medical Center	A13-1648-003
93.RD	I	13,416	-	U. S. Department of Health and Human Services	66102700414-04UNC-MM	University of Mississippi Medical Center	A13-1648-005
93.RD	I	6,291	-	U. S. Department of Health and Human Services	16-2910/PO2000005316	University of South Carolina (USC)	A16-1915-001
93.RD	I	688	-	U. S. Department of Health and Human Services	9500061906	University of Tennessee at Knoxville	A17-1073-001
93.RD	I	(2,750)	-	U. S. Department of Health and Human Services	08800-036-00-FPG-0	Urban Institute	A13-0505-001
93.RD	I	250	-	U. S. Department of Health and Human Services	709P632546	Virginia Department of Health	A17-0212-001
93.RD	I	17,147	-	U. S. Department of Health and Human Services	330332	Wake Forest University	A16-1845-001
93.RD	I	49,632	-	U. S. Department of Health and Human Services	330334	Wake Forest University	A16-1845-003
93.RD	I	70,098	-	U. S. Department of Health and Human Services	WU-17-188	Washington University in Saint Louis	A17-0848-001
93.RD	I	21,302	-	U. S. Department of Health and Human Services	8977-S-003	Westat, Inc.	A12-1214-001
93.RD	I	781,478	-	U. S. Department of Health and Human Services	2016090247	Zero to Three	A16-0513-005
		<u>540,367,446</u>	<u>68,958,483</u>	Total — Research and Development — U. S. Department of Health and Human Services			
<b><u>Corporation for National and Community Service</u></b>							
94.026	I	19,518	-	National Service and Civic Engagement Research Competition	18-393	Arizona State University	
		<u>19,518</u>	-	Total — Research and Development — Corporation for National and Community Service			
<b><u>Social Security Administration</u></b>							
96.RD	I	98,029	-	Social Security Administration	6464-S-NC01-001	Westat, Inc.	A18-0543-001
		<u>98,029</u>	-	Total — Research and Development — Social Security Administration			
<b><u>U. S. Department of Homeland Security</u></b>							
97.044	D	1,210,140	255,267	Assistance to Firefighters Grant			
97.061	D	3,844,243	-	Centers for Homeland Security			
97.061	I	12,600	-	Centers for Homeland Security	SUBAWARD NO: 18-484	Arizona State University	
97.061	I	(899)	-	Centers for Homeland Security	X9106025121	US Dept of Commerce	
97.062	D	712,235	-	Scientific Leadership Awards			
97.077	D	30,306	23,648	Homeland Security Research, Development, Testing, Evaluation, and Demonstration of Technologies Related to Nuclear Threat Detection			
97.108	D	208,455	73,399	Homeland Security, Research, Testing, Evaluation, and Demonstration of Technologies			
97.108	I	19,266	-	Homeland Security, Research, Testing, Evaluation, and Demonstration of Technologies	2018-0843	Higher Dimension Materials, Inc.	
97.122	D	1,759,758	1,759,758	Bio-Preparedness Collaboratory			
97.RD	I	12,497	-	U. S. Department of Homeland Security	CONTINGENCY FUND 09-13-2017	Arizona State University	280984
97.RD	I	(19)	-	U. S. Department of Homeland Security	13-215017110 FA45 PO51435	University of South Carolina	2012-DN-130-NF00001
		<u>7,808,582</u>	<u>2,112,072</u>	Total — Research and Development — U. S. Department of Homeland Security			
<b><u>U. S. Agency for International Development</u></b>							
98.001	D	54,224,692	(4,363)	USAID Foreign Assistance for Programs Overseas			
98.001	I	151,304	(18,000)	USAID Foreign Assistance for Programs Overseas	PO 16003161	Family Health International	
98.001	I	390,790	28,780	USAID Foreign Assistance for Programs Overseas	SH1422	Population Council	
98.001	I	6,668	-	USAID Foreign Assistance for Programs Overseas	4-330-0212934	Research Triangle Institute (RTI International)	
98.001	I	69,098	-	USAID Foreign Assistance for Programs Overseas	4-340-0216030-65235L	Research Triangle Institute (RTI International)	
98.001	I	101,471	27,862	USAID Foreign Assistance for Programs Overseas	06-S131628	Texas A&M University	
98.001	I	28,227	-	USAID Foreign Assistance for Programs Overseas	SUBAWARD # 2015-06391-02	University of Illinois at Urbana-Champaign	
98.001	I	1,756	-	USAID Foreign Assistance for Programs Overseas	451375-19071	Virginia Polytechnic Institute and State University	
98.012	I	3,278	-	USAID Development Partnerships for University Cooperation and Development	MAPS1-16-068	Eastern Virginia Medical School	
98.012	I	80,081	44,127	USAID Development Partnerships for University Cooperation and Development	RC710-059/4708614	University of Georgia	
98.012	I	133,588	133,565	USAID Development Partnerships for University Cooperation and Development	RC710-059/4945986	University of Georgia	
98.012	I	47,371	35,366	USAID Development Partnerships for University Cooperation and Development	RC710-077/S001334	University of Georgia	
98.RD	D	15,046	-	United States Agency for International Development			2018-0103
98.RD	D	(4,366)	-	United States Agency for International Development			A09-0394-001
98.RD	D	2,170,523	2,170,523	United States Agency for International Development			A13-0615-001
98.RD	D	2,841,208	2,841,208	United States Agency for International Development			A13-1348-001
98.RD	D	4,638,269	-	United States Agency for International Development			A14-1017-001
98.RD	I	883,371	-	United States Agency for International Development	MAPS1-17-073	Eastern Virginia Medical School	A17-1193-001
98.RD	I	889,771	340,712	United States Agency for International Development	100303/W0936	Family Health International	A14-1557-001
98.RD	I	(31)	-	United States Agency for International Development	N/A	Icrisat	ICRISAT - USAID CRP-GL Lead Center

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
98.RD	I	53,623	-	United States Agency for International Development	RC102095-G4003	Michigan State University	RC102095-G4003
98.RD	I	56,948	-	United States Agency for International Development	2000006098	National Academy of Sciences	ESP-00-05-00001-00
98.RD	I	35,916	-	United States Agency for International Development	2000007142	National Academy of Sciences	AID-263-A-15-00002
98.RD	I	51,214	-	United States Agency for International Development	2000007149	National Academy of Sciences	EPP_A-00-06-00012-00
98.RD	I	22,919	-	United States Agency for International Development	7554.UNC-CH.01	National Opinion Research Center (NORC)	A18-1242-001
98.RD	I	471,563	199,068	United States Agency for International Development	RD011G-C	Oregon State University	RD011G-C USAID OSU
98.RD	I	26,885	-	United States Agency for International Development	8000062018-41060000	Purdue University	280828
98.RD	I	26,416	-	United States Agency for International Development	N/A	Right to Care	A15-0657-003
98.RD	I	4,302	-	United States Agency for International Development	N/A	Right to Care	A17-0775-001
98.RD	I	66,621	-	United States Agency for International Development	N/A	Right to Care	A17-1436-001
98.RD	I	20,186	-	United States Agency for International Development	AGREEMENT # 09-002945-201	University of California at Davis	280926
98.RD	I	(6,633)	-	United States Agency for International Development	6015-S03	Westat, Inc.	A13-0344-001
		<u>67,502,075</u>	<u>5,798,848</u>	Total — Research and Development — U. S. Agency for International Development			
		936,052,511	129,740,830	Total — Research and Development			

**Student Financial Assistance Programs—Cluster:****U. S. Department of Education**

84.007	D	12,888,039	-	Federal Supplemental Educational Opportunity Grants			
84.033	D	14,273,537	-	Federal Work-Study Program			
84.038	D	85,199,038	-	Federal Perkins Loan Program - Federal Capital Contributions			
84.063	D	686,086,892	-	Federal Pell Grant Program			
84.268	D	1,416,400,627	-	Federal Direct Student Loans			
84.379	D	247,945	-	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.408	D	10,925	-	Postsecondary Education Scholarships for Veteran's Dependents			
		<u>2,215,107,003</u>	<u>-</u>	Total — Student Financial Assistance Programs Cluster — U. S. Department of Education			

**U. S. Department of Health and Human Services**

93.264	D	898,966	-	Nurse Faculty Loan Program (NFLP)			
93.342	D	4,013,015	-	Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students			
93.364	D	402,564	-	Nursing Student Loans			
93.925	D	2,161,217	-	Scholarships for Health Professions Students from Disadvantaged Backgrounds			
		<u>7,475,762</u>	<u>-</u>	Total — Student Financial Assistance Programs Cluster — U. S. Department of Health and Human Services			
		<u>2,222,582,765</u>	<u>-</u>	Total —Student Financial Assistance			

**Supplemental Nutrition Assistance Program (SNAP)—Cluster:****U. S. Department of Agriculture**

10.551	D	1,907,032,714	-	Supplemental Nutrition Assistance Program			
10.561	D	117,469,453	99,674,918	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program			
10.561	I	23,838	-	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	0000001207	University of Wisconsin-Extension	
10.561	I	12,474	-	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	0000001570	University of Wisconsin-Extension	
		<u>2,024,538,479</u>	<u>99,674,918</u>	Total — Supplemental Nutrition Assistance Program (SNAP) — U. S. Department of Agriculture			
		<u>2,024,538,479</u>	<u>99,674,918</u>	Total —Supplemental Nutrition Assistance Program (SNAP)			

**Special Education—Cluster (IDEA)****U. S. Department of Education**

84.027	D	343,449,297	336,375,354	Special Education Grants to States			
84.173	D	11,136,160	8,892,962	Special Education Preschool Grants			
		<u>354,585,457</u>	<u>345,268,316</u>	Total — Special Education Cluster (IDEA) — U. S. Department of Education			
		<u>354,585,457</u>	<u>345,268,316</u>	Total —Special Education (IDEA)			



**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

Federal	Direct /	Program	Amount				
CFDA	Indirect	Expenditures	Provided to	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
Number			Subrecipients				
TANF—Cluster:							
U. S. Department of Health and Human Services							
93.558	D	234,224,880	187,382,047	Temporary Assistance for Needy Families			
		234,224,880	187,382,047	Total — TANF Cluster — U. S. Department of Health and Human Services			
		234,224,880	187,382,047	Total —TANF			
TRIO—Cluster:							
U. S. Department of Education							
84.042	D	8,375,788	-	TRIO Student Support Services			
84.044	D	3,043,181	-	TRIO Talent Search			
84.047	D	5,084,400	3,514	TRIO Upward Bound			
84.066	D	1,559,705	-	TRIO Educational Opportunity Centers			
84.217	D	730,504	120	TRIO McNair Post-Baccalaureate Achievement			
		18,793,578	3,634	Total — Teacher Quality Partnership Grants Cluster (TRIO) — U. S. Department of Education			
		18,793,578	3,634	Total —TRIO			
Transit Services Programs—Cluster:							
U. S. Department of Transportation							
20.513	D	5,890,142	4,798,945	Enhanced Mobility of Seniors and Individuals with Disabilities			
20.516	D	1,732,219	1,713,030	Job Access and Reverse Commute Program			
20.521	D	1,199,728	1,199,543	New Freedom Program			
		8,822,089	7,711,518	Total — Transit Services Programs Cluster — U. S. Department of Transportation			
		8,822,089	7,711,518	Total —Transit Services Programs			
WIOA—Cluster:							
U. S. Department of Labor							
17.258	D	25,032,758	24,490,524	WIOA Adult Program			
17.258	I	161,835	-	WIOA Adult Program	0-2020-33	Cape Fear COG	
17.258	I	293,032	-	WIOA Adult Program	17-2020-4020-40-6035-07	ECWDB	
17.258	I	121,365	-	WIOA Adult Program	2020	ECWDB	
17.258	I	175,774	-	WIOA Adult Program	11-2020-40-6169	Eastern Carolina Workforce Development Board	
17.258	I	172,729	-	WIOA Adult Program	17-4020-40-6331-09	Eastern Carolina Workforce Development Board	
17.258	I	1,048	-	WIOA Adult Program	16-4020-49-1533	HCCOG	
17.258	I	106,440	-	WIOA Adult Program	N/A	Land of Sky Regional Council	
17.258	I	122,259	-	WIOA Adult Program	LRCOG	Lumber River	
17.258	I	5,550	-	WIOA Adult Program	N/A	Mid-East Commission	
17.258	I	225,597	-	WIOA Adult Program	WIOA-2017-61-ABTCC-02	Mountain Area Workforce	
17.258	I	211,990	-	WIOA Adult Program	17-4020-49-1380	Region D	
17.258	I	56,601	-	WIOA Adult Program	17-4020-40-6227-08	WAC	
17.259	D	28,713,594	24,636,032	WIOA Youth Activities			
17.259	I	192,155	-	WIOA Youth Activities	0-2040-33	Cape Fear COG	
17.259	I	734,694	-	WIOA Youth Activities	2040-36	Charlotte Works	
17.259	I	140,962	-	WIOA Youth Activities	N/A	Council of Governments	
17.259	I	114,814	-	WIOA Youth Activities	17-2040-4040-40-6035-07	ECWDB	
17.259	I	183,228	-	WIOA Youth Activities	2040	ECWDB	
17.259	I	186,930	-	WIOA Youth Activities	11-2020-40-6169	Eastern Carolina Workforce Development Board	
17.259	I	83,911	-	WIOA Youth Activities	17-4040-40-6331-09	Eastern Carolina Workforce Development Board	
17.259	I	258,200	-	WIOA Youth Activities	1718-349	Gaston County	
17.259	I	3,629	-	WIOA Youth Activities	16-4040-49-1533	HCCOG	
17.259	I	130,303	-	WIOA Youth Activities	1117	Kerr-Tar Regional Council of Governments	
17.259	I	580,711	-	WIOA Youth Activities	44-17-5467 YTH	LRCOG	
17.259	I	166,969	-	WIOA Youth Activities	N/A	Land of Sky Regional Council	
17.259	I	127,304	-	WIOA Youth Activities	LRCOG	Lumber River	
17.259	I	64,574	-	WIOA Youth Activities	UpSkills	Mountain Area Workforce	
17.259	I	214,912	-	WIOA Youth Activities	17-4020-49-1380	Region D	
17.278	D	30,136,787	18,418,235	WIOA Dislocated Worker Formula Grants			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
17.278	I	143,450	-	WIOA Dislocated Worker Formula Grants	0-2030-33	Cape Fear COG	
17.278	I	172,871	-	WIOA Dislocated Worker Formula Grants	17-2030-4030-40-6035.07	ECWDB	
17.278	I	28,032	-	WIOA Dislocated Worker Formula Grants	2030	ECWDB	
17.278	I	73,693	-	WIOA Dislocated Worker Formula Grants	11-2020-40-6169	Eastern Carolina Workforce Development Board	
17.278	I	125,774	-	WIOA Dislocated Worker Formula Grants	17-4030-40-6331-09	Eastern Carolina Workforce Development Board	
17.278	I	409	-	WIOA Dislocated Worker Formula Grants	16-4031-49-1533	HCCOG	
17.278	I	147,832	-	WIOA Dislocated Worker Formula Grants	N/A	Land of Sky Regional Council	
17.278	I	102,597	-	WIOA Dislocated Worker Formula Grants	LRCOG	Lumber River	
17.278	I	1,077	-	WIOA Dislocated Worker Formula Grants	N/A	Mid-East Commission	
17.278	I	196,526	-	WIOA Dislocated Worker Formula Grants	WIOA-2017-61-ABTCC-02	Mountain Area Workforce	
17.278	I	218,045	-	WIOA Dislocated Worker Formula Grants	17-4020-49-1380	Region D	
17.278	I	8,099	-	WIOA Dislocated Worker Formula Grants	17-4030-40-6227-08	WAC	
		89,939,060	67,544,791	Total — WIOA Cluster — U. S. Department of Labor			
		89,939,060	67,544,791	Total —WIOA			

**Other Programs:****U. S. Department of Agriculture**

10.001	D	14,509	-	Agricultural Research Basic and Applied Research			
10.025	D	1,757,565	-	Plant and Animal Disease, Pest Control, and Animal Care			
10.028	D	19,389	-	Wildlife Services			
10.153	D	53,835	-	Market News			
10.163	D	245,473	175,873	Market Protection and Promotion			
10.170	D	968,077	937,419	Specialty Crop Block Grant Program - Farm Bill			
10.172	I	29,074	-	Local Food Promotion Program	#205756	City of Greensboro	
10.203	D	298,560	-	Payments to Agricultural Experiment Stations Under the Hatch Act			
10.205	I	(4,293)	-	Payments to 1890 Land-Grant Colleges and Tuskegee University	PURCHASE ORDER #U130837	University of Maryland Eastern Shore	
10.206	D	3,847,317	48,184	Grants for Agricultural Research Competitive Research Grants			
10.212	I	4,997	-	Small Business Innovation Research	NDT-0001	Nanodiagnostic Technology, LLC	
10.215	I	16,169	-	Sustainable Agriculture Research and Education	RD309-134/S001170	University of Georgia	
10.215	I	14,112	-	Sustainable Agriculture Research and Education	RD309-134/S001172	University of Georgia	
10.215	I	31,445	19,256	Sustainable Agriculture Research and Education	RD309-137/S001404	University of Georgia	
10.215	I	9,002	-	Sustainable Agriculture Research and Education	RD309-137/S001468	University of Georgia	
10.216	D	212,186	-	1890 Institution Capacity Building Grants			
10.216	I	723	-	1890 Institution Capacity Building Grants	RD309-129/S000680	University of Georgia	
10.217	D	103,603	-	Higher Education - Institution Challenge Grants Program			
10.217	I	8,703	-	Higher Education - Institution Challenge Grants Program	60039552	Ohio State University	
10.220	D	34,481	-	Higher Education - Multicultural Scholars Grant Program			
10.225	I	4,226	-	Community Food Projects	2015-1669	Third Sector New England, Inc.	
10.225	I	1,263	-	Community Food Projects	SUBAWARD NO. 00005500	Third Sector New England, Inc.	
10.250	D	99,214	-	Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations			
10.253	D	59,008	-	Consumer Data and Nutrition Research			
10.253	I	8,641	-	Consumer Data and Nutrition Research	343-0617	Duke University	
10.290	D	28,288	8,754	Agricultural Market and Economic Research			
10.303	I	(1,236)	-	Integrated Programs	RC101368NCSU	Michigan State University	
10.303	I	1,523	-	Integrated Programs	UA AES 91147-03	University of Ark-Fayetteville	
10.304	D	28,605	-	Homeland Security Agricultural			
10.304	I	11	-	Homeland Security Agricultural	RC101676NCSU	Michigan State University	
10.304	I	8,564	-	Homeland Security Agricultural	RC106556C	Michigan State University	
10.304	I	30,077	-	Homeland Security Agricultural	UFDSP00011542 / P0019073	University of Florida	
10.310	D	409,948	12,714	Agriculture and Food Research Initiative (AFRI)			
10.310	I	(3,726)	-	Agriculture and Food Research Initiative (AFRI)	UFDSP00010678	University of Florida	
10.310	I	4,507	-	Agriculture and Food Research Initiative (AFRI)	RC299-458/S000769	University of Georgia	
10.310	I	50,329	-	Agriculture and Food Research Initiative (AFRI)	3200000565-17-02,PO#7800003360	University of Kentucky Research Foundation	
10.310	I	7,575	-	Agriculture and Food Research Initiative (AFRI)	Z5775006	University of Maryland	
10.310	I	129,658	-	Agriculture and Food Research Initiative (AFRI)	25-6239-0235-305	University of Nebraska- Lincoln	
10.311	D	(11,236)	-	Beginning Farmer and Rancher Development Program			
10.311	I	17,367	(9,154)	Beginning Farmer and Rancher Development Program	2017-1680	Southern Appalachian Highland Conservancy	
10.311	I	17,013	-	Beginning Farmer and Rancher Development Program	UA AES 91132-03	University of Ark-Fayetteville	
10.311	I	18,251	-	Beginning Farmer and Rancher Development Program	545943-19071	Virginia Polytechnic Institute and State University	
10.318	I	10	-	Women and Minorities in Science, Technology, Engineering, and Mathematics Fields	Z574200	University of Maryland	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

Federal CFDA	Direct /	Program	Amount Provided to				
Number	Indirect	Expenditures	Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
10.328	I	9,710	-	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	9500061989	University of Tennessee	
10.329	D	1,160,687	363,507	Crop Protection and Pest Management Competitive Grants Program			
10.351	D	11,742	-	Rural Business Development Grant			
10.435	D	113,703	-	State Mediation Grants			
10.443	D	98,234	17,729	Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers			
10.475	D	4,443,518	-	Cooperative Agreements with States for Intrastate Meat and Poultry Inspection			
10.479	D	98,324	-	Food Safety Cooperative Agreements			
10.500	D	2,206,303	247,140	Cooperative Extension Service			
10.500	I	12,151	-	Cooperative Extension Service	C00055873-8	Curators Of Univ Of Missouri	
10.500	I	10	-	Cooperative Extension Service	S12065	Kansas State University	
10.500	I	(1,520)	-	Cooperative Extension Service	S14018	Kansas State University	
10.500	I	23,933	-	Cooperative Extension Service	S16016	Kansas State University	
10.500	I	4,320	-	Cooperative Extension Service	S17134	Kansas State University	
10.500	I	130,588	-	Cooperative Extension Service	S18041	Kansas State University	
10.500	I	415,809	-	Cooperative Extension Service	RC105427NCSU	Michigan State University	
10.500	I	70,080	-	Cooperative Extension Service	5559-NCSU-UM-9802	Pennsylvania State University	
10.500	I	2,227	-	Cooperative Extension Service	21666-08	University of Arkansas	
10.500	I	9,677	-	Cooperative Extension Service	21666-12	University of Arkansas	
10.500	I	4,992	-	Cooperative Extension Service	21667-05	University of Arkansas	
10.500	I	18,282	7,294	Cooperative Extension Service	SUBAWARD NO.21667-16	University of Arkansas	
10.500	I	(2,049)	-	Cooperative Extension Service	RE675-171/4944686	University of Georgia	
10.544	D	2,132	-	Healthy Body Healthy Spirit			
10.545	D	42,290	-	Farmers' Market Supplemental Nutrition Assistance Program Support Grants			
10.547	D	62,345	-	Professional Standards for School Nutrition Employees			
10.557	D	168,973,068	47,256,343	WIC Special Supplemental Nutrition Program for Women, Infants, and Children			
10.558	D	101,879,414	100,440,932	Child and Adult Care Food Program			
10.560	D	8,485,526	-	State Administrative Expenses for Child Nutrition			
10.572	D	119,786	-	WIC Farmers' Market Nutrition Program (FMNP)			
10.575	D	4,964	-	Farm to School Grant Program			
10.576	D	63,482	56,655	Senior Farmers Market Nutrition Program			
10.577	I	65,716	-	SNAP Partnership Grant	Contract # 2492	Buncombe County DSS	
10.578	D	3,672,919	-	WIC Grants To States (WGS)			
10.579	D	1,134,353	1,134,353	Child Nutrition Discretionary Grants Limited Availability			
10.582	D	3,776,712	3,680,517	Fresh Fruit and Vegetable Program			
10.652	D	946,109	24,081	Forestry Research			
10.664	D	3,163,142	487,571	Cooperative Forestry Assistance			
10.674	D	81,929	-	Wood Utilization Assistance			
10.676	D	16,922	-	Forest Legacy Program			
10.678	D	51,899	-	Forest Stewardship Program			
10.680	D	476,900	38,178	Forest Health Protection			
10.684	D	11,416	-	International Forestry Programs			
10.691	D	33,484	-	Good Neighbor Authority			
10.699	D	294,633	-	Partnership Agreements			
10.762	D	48,802	-	Solid Waste Management Grants			
10.855	D	218,610	-	Distance Learning and Telemedicine Loans and Grants			
10.868	D	25,333	-	Rural Energy for America Program			
10.890	I	21,868	-	Rural Development Cooperative Agreement Program	018000.340677.06	Mississippi State University	
10.902	D	591,223	-	Soil and Water Conservation			
10.903	D	35,055	-	Soil Survey			
10.912	D	694,100	284,851	Environmental Quality Incentives Program			
10.960	D	17,535	-	Technical Agricultural Assistance			
10.962	D	214,911	-	Cochran Fellowship Program-International Training-Foreign Participant			
10.U01	D	805,653	-	U. S. Department of Agriculture			Phytosanitary Fees
10.U02	D	19,542	-	U. S. Department of Agriculture			240794
10.U03	D	4,587	-	U. S. Department of Agriculture			240878
10.U04	D	10,648	-	U. S. Department of Agriculture			240879
10.U05	I	1,314	-	U. S. Department of Agriculture	RC100236NC	The Regents of the University of Michigan	280670
10.U06	I	(791)	-	U. S. Department of Agriculture	SUBAWARD NO:CIE-1604-NCAT	Association of Research Directors (ARD), Inc.	280903
10.U07	D	34,705	-	U. S. Department of Agriculture			Web GIS Data Management

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>Provided to</b>				
10.U08	D	6,344	-	U. S. Department of Agriculture				Building Effective Communication
10.U09	D	6,934	-	U. S. Department of Agriculture				Development and Operation of the We
		<u>313,519,042</u>	<u>155,232,197</u>	Total — Other Programs — U. S. Department of Agriculture				
<b>U. S. Department of Commerce</b>								
11.020	D	85,228	-	Cluster Grants				
11.020	I	19,658	-	Cluster Grants	343-0586	Duke University		
11.303	D	187,565	-	Economic Development Technical Assistance				
11.312	D	29,751	-	Research and Evaluation Program				
11.417	D	331,361	50,488	Sea Grant Support				
11.417	I	3,446	-	Sea Grant Support	D004196857	University of Minnesota		
11.427	D	34,808	22,864	Fisheries Development and Utilization Research and Development Grants and Cooperative Agreements Program				
11.431	I	22,945	-	Climate and Atmospheric Research	GSXXFFXXYS	Harmonic International		
11.431	I	45,140	18,462	Climate and Atmospheric Research	R/ECC-01C(YR2); NA150AR4310111	SC Sea Grant Consortium		
11.431	I	9,869	-	Climate and Atmospheric Research	R/ECC-1C; NA150AR4310111	SC Sea Grant Consortium		
11.433	D	39,336	37,895	Marine Fisheries Initiative				
11.435	D	93,654	-	Southeast Area Monitoring and Assessment Program				
11.439	D	87,623	-	Marine Mammal Data Program				
11.440	I	3,448	-	Environmental Sciences, Applications, Data, and Education	WC-133R-14-CN	Riverside Technology		
11.457	I	35,675	-	Chesapeake Bay Studies	17-125-100477-010	Old Dominion University		
11.459	D	33,560	-	Weather and Air Quality Research				
11.468	D	51,181	24,149	Applied Meteorological Research				
11.468	I	15,179	-	Applied Meteorological Research	PO#210550-1	ECS, LLC		
11.468	I	2,893	-	Applied Meteorological Research	TASK ORDER#2018-2960	Synoptic Data		
11.472	D	78,007	7,007	Unallied Science Program				
11.474	I	8,674	-	Atlantic Coastal Fisheries Cooperative Management Act	17-1201	Atlantic States Marine Fisheries Commission		
11.478	D	74,285	-	Center for Sponsored Coastal Ocean Research Coastal Ocean Program				
11.549	D	152,857	-	State and Local Implementation Grant Program				
11.609	D	105,034	-	Measurement and Engineering Research and Standards				
11.611	D	3,774,150	941,982	Manufacturing Extension Partnership				
11.611	I	60,779	-	Manufacturing Extension Partnership	70NANB17H304-DEMEP001	Delaware Tech Cc		
11.619	D	10,711	-	Arrangements for Interdisciplinary Research Infrastructure				
11.620	D	67,729	-	Science, Technology, Business and/or Education Outreach				
11.999	D	35,468	-	Marine Debris Program				
11.U01	I	531	-	U. S. Department of Commerce	SA15-NCSU01	Global Science & Technology		SA15-NCSU01
11.U02	I	22,369	-	U. S. Department of Commerce	PO#2000030024 13540-FB40	University of South Carolina		PO#2000030024 13540-FB40
		<u>5,522,914</u>	<u>1,102,847</u>	Total — Other Programs — U. S. Department of Commerce				
<b>U. S. Department of Defense</b>								
12.002	D	425,764	-	Procurement Technical Assistance For Business Firms				
12.110	I	5,000	-	Planning Assistance to States	170191F-501	Blue Ridge Rsc & Consulting		
12.300	D	1,452,856	-	Basic and Applied Scientific Research				
12.300	I	103,052	20,086	Basic and Applied Scientific Research	W9126G-12-2-0051	Cooperative Ecosystem Studies		
12.300	I	72,378	26,266	Basic and Applied Scientific Research	W9126G-17-2-0025	Cooperative Ecosystem Studies		
12.300	I	4,898	-	Basic and Applied Scientific Research	421-23-03A	Iowa State University		
12.300	I	69,423	-	Basic and Applied Scientific Research	503365-78050	Northeastern University		
12.300	I	24,073	-	Basic and Applied Scientific Research	M1800375	Texas A&M Agrilife Research		
12.300	I	7,174	-	Basic and Applied Scientific Research	07-S140728	Texas A&M University		
12.300	I	17,701	-	Basic and Applied Scientific Research	406300 SUB1	The Catholic University of America		
12.401	D	27,163,454	-	National Guard Military Operations and Maintenance (O&M) Projects				
12.404	D	6,183,636	-	National Guard Challenge Program				
12.420	D	102,220	48,525	Military Medical Research and Development				
12.420	I	62,813	-	Military Medical Research and Development	7137164	Rhode Island Hospital		
12.431	D	954,434	163,839	Basic Scientific Research				
12.431	I	20,901	-	Basic Scientific Research	SUB AGMT #2010-04989-01	University of Illinois		
12.556	I	33,394	-	Competitive Grants: Promoting K-12 Student Achievement at Military-Connected Schools	A16-0138	Wayne County Public Schools		
12.579	I	897,922	-	Language Training Center	#2603-NCSU-6-LTC-052-PO6	Institute Of Int'L Education		
12.579	I	62,944	-	Language Training Center	2603-NCSU-6-LTC-052-PO5	Institute Of Int'L Education		
12.579	I	(6)	-	Language Training Center	2603-NCSU-6-LTC-LT4-PO2	Institute Of Int'L Education		

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>	
12.610	D	13,236	-	Community Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies				
12.617	D	1,448,450	100,916	Economic Adjustment Assistance for State Governments				
12.630	D	1,132,681	-	Basic, Applied, and Advanced Research in Science and Engineering				
12.630	I	2,807	-	Basic, Applied, and Advanced Research in Science and Engineering	2017-UNIV-NO-1	Academy of Applied Science		
12.630	I	18,713	-	Basic, Applied, and Advanced Research in Science and Engineering	LTR DATED 9/29/17	Academy of Applied Science		
12.630	I	28,148	-	Basic, Applied, and Advanced Research in Science and Engineering	D01-W911SR-14-2-0001-0013	MSI STEM Research & Development Consortium (MSRDC)		
12.630	I	23,106	-	Basic, Applied, and Advanced Research in Science and Engineering	2975-2016-0591	MetroSage, LLC		
12.632	I	35,449	-	Legacy Resource Management Program	775K460	University of Wisconsin Board of Regents		
12.800	D	68,712	-	Air Force Defense Research Sciences Program				
12.901	D	6,063	-	Mathematical Sciences Grants				
12.901	I	7,426	-	Mathematical Sciences Grants	245153	Simons Foundation		
12.902	D	362,813	-	Information Security Grants				
12.903	D	150,691	-	GenCyber Grants Program				
12.905	D	113,501	-	CyberSecurity Core Curriculum				
12.910	I	(171)	-	Research and Technology Development	A16-0448-S001	University of Tennessee		
12.910	I	108,591	-	Research and Technology Development	PO# 4206496155	University of Tennessee		
12.U01	D	1,363,169	-	U. S. Department of Defense				#DCBR-CA-09
12.U02	D	144,334	-	U. S. Department of Defense				Troop to Teachers Grant year 2015-16.
12.U03	D	64,776	-	U. S. Department of Defense				Voucher # NC 092422015.
12.U04	I	20,000	-	U. S. Department of Defense	NCAT-NCASE-15	Morgan State University		210189
12.U05	D	11,250	-	U. S. Department of Defense				280885
12.U06	I	2,880	-	U. S. Department of Defense	1486	Small Business Group, Inc.		W912PM-16-T-0049
12.U07	I	1,610	-	U. S. Department of Defense	S-001542.08.NCSU	Applied Research Assoc. (Ara)		W912HN-12-D-0024
12.U08	I	95,404	-	U. S. Department of Defense	2975-2015-0365	Optimax Systems, Inc.		W911NF-12-C-0067
12.U09	I	89,970	-	U. S. Department of Defense	PO# 1516925	Boeing Company		3D Printed Lightweight Optics Sys
12.U10	I	12,884	-	U. S. Department of Defense	TSC-1077-40066	Technology Services Corporation		Affordable Machining of Components
12.U11	I	248,859	-	U. S. Department of Defense	2-2015	American Museum of Natural History		Development of Rapid Innovation Pro
12.U12	I	67,996	-	U. S. Department of Defense	PO2003292859/96016927 CLIN 6	Johns Hopkins University		Integrating Linguistic
12.U13	I	15,275	-	U. S. Department of Defense	2975-17-0267	Nanohmics, Inc.		MEDE CRA PRI
12.U14	D	267,499	-	U. S. Department of Defense				Optical Enhanced IR Components
12.U15	I	2,616	-	U. S. Department of Defense	2975-15-0482	OptiPro Systems, LLC		Program Manager in Defense Sciences
12.U16	I	78,263	-	U. S. Department of Defense	2975-2016-0612	Rochester Precision Optics, LLC		SBIR: Uncertainty Analysis and Vali
12.U17	I	175,854	-	U. S. Department of Defense	Subaward #60057838/RF01465286	The Ohio State University		STTR: Mid_IR Optic Development
12.U18	I	9,120	-	U. S. Department of Defense	PO# R20204-0005	Zapata, Inc.		Visual Analytics - Pathogens
12.U19	I	95,612	-	U. S. Department of Defense	GC4564 / PO#10060948	Geosyntec Consultants, Inc.		Turner AFB Groundwater Model
12.U20	I	27,788	-	U. S. Department of Defense	1316.GS.UNCC.17.01	TDA Research, Inc.		Energy Performance Assessment
12.U21	I	40,603	-	U. S. Department of Defense	2975-2017-0435	Zuess, Inc.		Task5
12.U22	I	21,112	-	U. S. Department of Defense	2975-18-0208	NuSpot Technologies, LLC		Rewarming Solutions - Cryopreserved
12.U23	D	10,626	-	U. S. Department of Defense				STTR: Novel OSINT Platform
12.U24	I	70,920	-	U. S. Department of Defense	Agreement dated 01/08/18	Global Technical Systems		Phase Filter Design Study
12.U25	I	24,614	-	U. S. Department of Defense	16246083-02	University of Central Florida		Visual Analytics on the spread of P
12.U26	I	16,926	-	U. S. Department of Defense	2975-2017-0678	IRflex Corporation		GTS Composite Flywheel Energy Tests
		44,164,207	359,632	Total — Other Programs — U. S. Department of Defense				Information Spread and Evolution in
								STTR: Development of optical fibers

**U. S. Department of Housing and Urban Development**

14.169	D	2,849	-	Housing Counseling Assistance Program				
14.171	D	28,539	-	Manufactured Home Dispute Resolution				
14.228	D	48,331,491	47,324,056	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii				
14.228	I	10,749	-	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A17-0048	City of Clinton		
14.228	I	4,461	-	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A16-0130-001	City of Roanoke Rapids		
14.228	I	9,329	-	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A17-0049	County of Harnett		
14.228	I	4,507	-	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A16-0132-001	McDowell County Board of Education		
14.228	I	4,453	-	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A16-0129-001	Town of Fremont		

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			<b>Amount</b>				
<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Provided to</b>				
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
14.231	D	5,694,528	5,337,916	Emergency Solutions Grant Program			
14.241	D	2,031,670	440,506	Housing Opportunities for Persons with AIDS			
14.401	D	138,377	-	Fair Housing Assistance Program State and Local			
14.520	D	(33,245)	-	Historically Black Colleges and Universities Program			
		<u>56,227,708</u>	<u>53,102,478</u>	Total — Other Programs — U. S. Department of Housing and Urban Development			
<b><u>U. S. Department of Interior</u></b>							
15.231	I	64	-	Fish, Wildlife and Plant Conservation Resource Management	F13-AP00833	Chicago Botanic Gardens	
15.424	D	72,140	-	Marine Minerals Activities			
15.424	I	24,227	-	Marine Minerals Activities	SCDNR FY 2017-014; M14AC00012	South Carolina Dept of Nat Resources	
15.608	D	80,280	-	Fish and Wildlife Management Assistance			
15.615	D	549,736	50,392	Cooperative Endangered Species Conservation Fund			
15.616	D	30,537	9,861	Clean Vessel Act			
15.626	D	254,898	-	Enhanced Hunter Education and Safety			
15.634	D	1,889,829	161,460	State Wildlife Grants			
15.650	D	85,312	7,958	Research Grants (Generic)			
15.657	D	116,126	30,471	Endangered Species Conservation - Recovery Implementation Funds			
15.663	D	38,240	25,000	National Fish and Wildlife Foundation			
15.669	D	28,887	-	Cooperative Landscape Conservation			
15.669	I	15,890	-	Cooperative Landscape Conservation	NCBU 20150801.3875.01	Nature Conservancy of North Carolina	
15.670	D	19,695	-	Adaptive Science			
15.674	D	2,019	-	National Fire Plan-Wildland Urban Interface Community Fire Assistance			
15.678	D	67,083	-	Cooperative Ecosystem Studies Units			
15.805	D	44	-	Assistance to State Water Resources Research Institutes			
15.808	D	29,176	-	U.S. Geological Survey Research and Data Collection			
15.810	D	924	-	National Cooperative Geologic Mapping			
15.814	D	7,844	-	National Geological and Geophysical Data Preservation			
15.815	I	3,385	-	National Land Remote Sensing Education Outreach and Research	AV13-NC01/G14AP00002	AmericaView	
15.817	D	10,988	-	National Geospatial Program: Building The National Map			
15.904	D	1,022,774	116,342	Historic Preservation Fund Grants-In-Aid			
15.916	D	468,747	260,986	Outdoor Recreation Acquisition, Development and Planning			
15.921	D	2,600	-	Rivers, Trails and Conservation Assistance			
15.923	D	10,007	-	National Center for Preservation Technology and Training			
15.925	D	141,828	26,613	National Maritime Heritage Grants			
15.931	D	68,321	-	Conservation Activities by Youth Service Organizations			
15.945	D	333,951	-	Cooperative Research and Training Programs - Resources of the National Park System			
15.946	D	4,690	-	Cultural Resources Management			
		<u>5,380,242</u>	<u>689,083</u>	Total — Other Programs — U. S. Department of Interior			
<b><u>U. S. Department of Justice</u></b>							
16.017	D	359,730	359,730	Sexual Assault Services Formula Program			
16.523	D	-	-	Juvenile Accountability Block Grants			
16.525	D	67,095	-	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
16.540	D	573,037	503,712	Juvenile Justice and Delinquency Prevention			
16.543	D	288,088	-	Missing Children's Assistance			
16.554	D	270,778	-	National Criminal History Improvement Program (NCHIP)			
16.560	D	170,723	-	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.562	D	21,577	-	Criminal Justice Research and Development Graduate Research Fellowships			
16.575	D	38,957,713	26,702,517	Crime Victim Assistance			
16.576	D	2,830,780	2,516,628	Crime Victim Compensation			
16.582	D	282,646	230,468	Crime Victim Assistance/Discretionary Grants			
16.585	D	6,865	-	Drug Court Discretionary Grant Program			
16.585	I	113,300	-	Drug Court Discretionary Grant Program	2016-DC-BX-0020	Harnett County	
16.588	D	3,169,893	2,021,360	Violence Against Women Formula Grants			
16.590	D	101,836	-	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program			
16.590	I	81,277	-	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	2014-WE-AX-0008	Haywood County	
16.590	I	3,309	-	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	2017-WE-AX-0026	Haywood County	
16.590	I	245,918	-	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	A16-0190-001	Pitt County	
16.593	D	205,522	-	Residential Substance Abuse Treatment for State Prisoners			
16.606	D	-	-	State Criminal Alien Assistance Program			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			<b>Amount</b>				
<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Provided to</b>				
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
16.609	I	29,312	-	Project Safe Neighborhoods	2016-GP-BX-0010	Greensboro Police Dept	
16.710	D	63,897	-	Public Safety Partnership and Community Policing Grants			
16.726	I	44,000	-	Juvenile Mentoring Program	NC10922-15-0716-S1	National CASA Association	
16.726	I	58,000	-	Juvenile Mentoring Program	NC10922-15-0717-S2	National CASA Association	
16.738	D	3,638,609	2,247,317	Edward Byrne Memorial Justice Assistance Grant Program			
16.740	D	-	-	Statewide Automated Victim Information Notification (SAVIN) Program			
16.741	D	144,616	-	DNA Backlog Reduction Program			
16.742	D	259,368	-	Paul Coverdell Forensic Sciences Improvement Grant Program			
16.745	I	(23)	-	Criminal and Juvenile Justice and Mental Health Collaboration Program	2017000051	Charlotte Mecklenburg Police Dept	
16.750	D	291,318	-	Support for Adam Walsh Act Implementation Grant Program			
16.751	D	99,288	-	Edward Byrne Memorial Competitive Grant Program			
16.752	D	125,755	-	Economic, High-Tech, and Cyber Crime Prevention			
16.754	D	4,618	4,618	Harold Rogers Prescription Drug Monitoring Program			
16.758	I	3,961	-	Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers	GREEN-NC-SA17	Children's Advocacy Ctr of NC, Inc.	
16.758	I	1,714	-	Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers	GREEN-NC-SA18	Children's Advocacy Ctr of NC, Inc.	
16.812	D	1,164,939	-	Second Chance Act Reentry Initiative			
16.816	D	44,502	44,502	John R. Justice Prosecutors and Defenders Incentive Act			
16.817	I	92	-	Innovations in Community-Based Crime Reduction	2014-AJ-BX-0015	City of Durham	
16.820	D	169,765	-	Postconviction Testing of DNA Evidence			
16.827	D	483,342	-	Justice Reinvestment Initiative			
16.830	D	109,235	-	Girls in the Juvenile Justice System			
16.922	D	1,069,250	-	Equitable Sharing Program			
16.U01	D	191,625	119,145	U. S. Department of Justice			270125
16.U02	I	55,817	-	U. S. Department of Justice	13-321-0215513-65112L	Research Triangle Institute (RTI International)	2016-MU-BX-K110
		<b>55,803,087</b>	<b>34,749,997</b>	<b>Total — Other Programs — U. S. Department of Justice</b>			
<b><u>U. S. Department of Labor</u></b>							
17.002	D	1,570,385	-	Labor Force Statistics			
17.005	D	149,897	-	Compensation and Working Conditions			
17.201	D	219,225	-	Registered Apprenticeship			
17.225	D	242,153,197	-	Unemployment Insurance			
17.235	D	1,900,117	1,876,908	Senior Community Service Employment Program			
17.235	I	213,035	-	Senior Community Service Employment Program	1718-348	Senior Service America, Inc.	
17.245	D	4,631,221	-	Trade Adjustment Assistance			
17.265	D	228,180	32,938	Native American Employment and Training			
17.268	D	1,286,025	522,737	H-1B Job Training Grants			
17.271	D	494,669	-	Work Opportunity Tax Credit Program (WOTC)			
17.273	D	315,517	-	Temporary Labor Certification for Foreign Workers			
17.277	D	9,475,961	8,921,996	WIOA National Dislocated Worker Grants / WIA National Emergency Grants			
17.277	I	2,709	-	WIOA National Dislocated Worker Grants / WIA National Emergency Grants	16-3030-49-1533	HCCOG	
17.277	I	42	-	WIOA National Dislocated Worker Grants / WIA National Emergency Grants	16-3031-49-1533	HCCOG	
17.281	D	1,778,553	-	WIOA Dislocated Worker National Reserve Technical Assistance and Training			
17.282	D	1,985,460	-	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants			
17.503	D	5,180,587	-	Occupational Safety and Health State Program			
17.504	D	1,554,541	-	Consultation Agreements			
17.600	D	72,838	-	Mine Health and Safety Grants			
17.U01	D	800,564	515,759	U. S. Department of Labor			270121
		<b>274,012,723</b>	<b>11,870,338</b>	<b>Total — Other Programs — U. S. Department of Labor</b>			
<b><u>U. S. Department of State</u></b>							
19.009	D	28,628	-	Academic Exchange Programs - Undergraduate Programs			
19.009	I	83,244	-	Academic Exchange Programs - Undergraduate Programs	FY17-YALI-CL-APP-02	IREX	
19.009	I	15,557	11,846	Academic Exchange Programs - Undergraduate Programs	CBG-2016-R2-06	Partners of the Americas Found	
19.015	I	92,923	-	Cultural, Technical and Educational Centers	S-ECAGD-17-CA-1053-UNCC-200389	American Councils for International Education	
19.021	I	16,089	-	Investing in People in The Middle East and North Africa	FY17-HEP-ASU-01	IREX	
19.040	D	56,153	-	Public Diplomacy Programs			
19.040	I	19,633	-	Public Diplomacy Programs	100K-292COL-3	Partners of the Americas Found	
19.401	I	63,885	-	Academic Exchange Programs - Scholars	FS16_NCSU_JFDP-4.1.17-11.	Institute Of Int'L Education	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>Provided to</b>				
19.401	I	4,601	-	-	Academic Exchange Programs - Scholars	FS17_NCSU_JFDP	Institute Of Int'L Education	
19.408	I	174,571	-	-	Academic Exchange Programs - Teachers	FY17-TEA-ASU-01	IREX	
19.900	I	(67)	-	-	AEECA/ESF PD Programs	W16-1013	Eurasia Foundation	
19.901	I	12,153	-	-	Export Control and Related Border Security	FSCX-17-63351-0	U.S. Civilian Research and Development Foundation	
		<u>567,370</u>	<u>11,846</u>		Total — Other Programs — U. S. Department of State			
<b><u>U. S. Department of Transportation</u></b>								
20.106	D	22,150,479	20,245,664	-	Airport Improvement Program			
20.200	I	2,917	-	-	Highway Research and Development Program	Task 1-3B.1	Snyder & Associates, Inc.	
20.200	I	12,327	-	-	Highway Research and Development Program	Task 1-3F DTFH61-12-H-00010	Snyder & Associates, Inc.	
20.200	I	82	-	-	Highway Research and Development Program	Task Order 1-3A	Snyder & Associates, Inc.	
20.200	I	261	-	-	Highway Research and Development Program	Task Order 1-3B.2	Snyder & Associates, Inc.	
20.200	I	13	-	-	Highway Research and Development Program	Task Order 1-3C	Snyder & Associates, Inc.	
20.215	D	195,252	-	-	Highway Training and Education			
20.218	D	15,843,937	-	-	Motor Carrier Safety Assistance			
20.231	D	124,379	-	-	Performance and Registration Information Systems Management			
20.232	D	29,087	-	-	Commercial Driver's License Program Implementation Grant			
20.234	D	(8,237)	-	-	Safety Data Improvement Program			
20.235	D	14,747	-	-	Commercial Motor Vehicle Operator Safety Training Grants			
20.237	D	565,790	-	-	Motor Carrier Safety Assistance High Priority Activities Grants and Cooperative Agreements			
20.314	D	489,611	-	-	Railroad Development			
20.319	D	32,920,038	-	-	High-Speed Rail Corridors and Intercity Passenger Rail Service - Capital Assistance Grants			
20.505	D	2,111,211	1,755,752	-	Metropolitan Transportation Planning and State and Non-Metropolitan Planning and Research			
20.509	D	26,587,079	25,461,725	-	Formula Grants for Rural Areas			
20.527	D	(3)	-	-	Public Transportation Emergency Relief Program			
20.528	D	360,724	-	-	Rail Fixed Guideway Public Transportation System State Safety Oversight Formula Grant Program			
20.604	D	18,682	-	-	Safety Incentive Grants for Use of Seatbelts			
20.607	D	1,237,489	285,062	-	Alcohol Open Container Requirements			
20.614	D	24,660	-	-	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements			
20.614	I	10,064	-	-	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements	1-0TAECU 2015	American Occupational Therapy Association, Inc.	
20.614	I	5,476	-	-	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements	DTNH22-09-D-00138	Dunlap and Associates, Inc.	
20.700	D	1,658,272	-	-	Pipeline Safety Program State Base Grant			
20.701	D	1,198,390	698,241	-	University Transportation Centers Program			
20.701	I	96,567	-	-	University Transportation Centers Program	21-1100-5726-UNCC	San Jose State University Research Foundation	
20.703	D	304,338	122,770	-	Interagency Hazardous Materials Public Sector Training and Planning Grants			
20.933	D	3,898,071	-	-	National Infrastructure Investments			
20.U01	I	15,992	-	-	U. S. Department of Transportation	TASK ORDER 13-NCA&T-E1	University of Tennessee at Knoxville	280797
20.U02	D	36,348	-	-	U. S. Department of Transportation			DTFH6117P00061
20.U03	I	156,148	1,358	-	U. S. Department of Transportation	17-087	Go Triangle	17-087
20.U04	I	(61)	-	-	U. S. Department of Transportation	2015-3239/15-042	Go Triangle	15-042
20.U05	I	295	-	-	U. S. Department of Transportation	5007 / 4552FHWA-NCSU-1	The Cadmus Group, Inc.	DTFH61-11-D-00031
20.U06	I	10,574	-	-	U. S. Department of Transportation	DTNH2216D00018 / 2018-003	Toxcel, LLC	DTNH2216RQ-00935
		<u>110,070,999</u>	<u>48,570,572</u>		Total — Other Programs — U. S. Department of Transportation			
<b><u>U. S. Department of the Treasury</u></b>								
21.008	D	143,275	-	-	Low Income Taxpayer Clinics			
21.016	D	501,852	-	-	Equitable Sharing			
		<u>645,127</u>	<u>-</u>		Total — Other Programs — U. S. Department of the Treasury			
<b><u>U. S. Appalachian Regional Commission</u></b>								
23.001	D	393,371	-	-	Appalachian Regional Development (See individual Appalachian Programs)			
23.002	D	15,480	-	-	Appalachian Area Development			
23.011	D	2,085,418	-	-	Appalachian Research, Technical Assistance, and Demonstration Projects			
		<u>2,494,269</u>	<u>-</u>		Total — Other Programs — U. S. Appalachian Regional Commission			



**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
<b><u>U. S. Office of Personnel Management</u></b>							
27.011	D	21,533	-	Intergovernmental Personnel Act (IPA) Mobility Program			
		21,533	-	Total — Other Programs — Office of Personnel Management			
<b><u>U. S. Equal Employment Opportunity Commission</u></b>							
30.U01	D	64,100	-	U. S. Equal Employment Opportunity Commission			EEC45016C007400001
		64,100	-	Total — Other Programs — U. S. Equal Employment Opportunity Commission			
<b><u>U. S. General Services Administration</u></b>							
39.003	D	2,190,468	-	Donation of Federal Surplus Personal Property			
		2,190,468	-	Total — Other Programs — U. S. General Services Administration			
<b><u>U. S. National Aeronautics and Space Administration</u></b>							
43.001	D	175,665	-	Science			
43.001	I	12,654	-	Science	098002.001.0189.2015.03	SURVICE Engineering	
43.003	D	72,797	-	Exploration			
43.007	D	76,397	-	Space Operations			
43.008	D	1,268,484	420,427	Education			
43.U01	I	56,250	-	National Aeronautics and Space Administration	LETTER DATED 9-23-03	National Action Council for Minorities in Engineering, Inc.	280155
43.U02	I	55,170	-	National Aeronautics and Space Administration	LSK-NNK14EA01C-NCAT Letter SUB	Millennium Engineering and Integration Company	280802
		1,717,417	420,427	Total — Other Programs — U. S. National Aeronautics and Space Administration			
<b><u>National Foundation on the Arts and the Humanities</u></b>							
45.024	D	75,410	-	Promotion of the Arts Grants to Organizations and Individuals			
45.025	D	619,706	533,798	Promotion of the Arts Partnership Agreements			
45.129	I	1,302	-	Promotion of the Humanities Federal/State Partnership	17-33	North Carolina Humanities Council	
45.129	I	2,728	-	Promotion of the Humanities Federal/State Partnership	17-36	North Carolina Humanities Council	
45.149	D	14,348	-	Promotion of the Humanities Division of Preservation and Access			
45.160	D	112,187	-	Promotion of the Humanities Fellowships and Stipends			
45.161	D	79,770	10,381	Promotion of the Humanities Research			
45.161	I	22,170	-	Promotion of the Humanities Research	NMU 2016-001	Northern Michigan University	
45.161	I	19,502	-	Promotion of the Humanities Research	#1001419517	University of Iowa	
45.162	D	133,894	-	Promotion of the Humanities Teaching and Learning Resources and Curriculum Development			
45.163	D	17,787	-	Promotion of the Humanities Professional Development			
45.164	I	1,200	-	Promotion of the Humanities Public Programs	N/A	Library of America	
45.301	D	101,143	-	Museums for America			
45.301	I	162	-	Museums for America	#205653	Greensboro Children's Museum	
45.309	D	28,813	-	Museum Grants for African American History and Culture			
45.310	D	4,009,510	2,535,367	Grants to States			
45.310	I	27,222	-	Grants to States	1718-20903	State Library of North Carolina	
45.312	D	64,561	7,058	National Leadership Grants			
45.U01	I	6,687	-	Federal Council on the Arts and the Humanities	2015-1498	South Arts	NCSU Dance Touring Initiative
		5,338,102	3,086,594	Total — Other Programs — National Foundation on the Arts and the Humanities			
<b><u>National Science Foundation</u></b>							
47.041	D	2,841,207	-	Engineering Grants			
47.041	I	34,192	-	Engineering Grants	100600-1	Clarkson University	
47.041	I	73,730	-	Engineering Grants	100830-1/PO# 92559	Clarkson University	
47.041	I	174,973	-	Engineering Grants	RG314-G2	Georgia Tech	
47.041	I	9,019	-	Engineering Grants	1632410	Roundtable Analytics	
47.041	I	15,233	-	Engineering Grants	087442-16573	University of Illinois	
47.041	I	7,457	-	Engineering Grants	44084-Z4552001	University of Maryland	
47.041	I	141,891	-	Engineering Grants	# 416951G	University of Rochester	
47.041	I	2,528	-	Engineering Grants	416572-G	University of Rochester	
47.041	I	52,114	-	Engineering Grants	416833-G	University of Rochester	
47.041	I	140,875	-	Engineering Grants	416952-G	University of Rochester	
47.041	I	18,200	-	Engineering Grants	417244G	University of Rochester	
47.041	I	30,834	-	Engineering Grants	2975-2016-0793	Video Collaboratory, LLC	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>	
47.049	D	1,138,136	15,523	Mathematical and Physical Sciences				
47.049	I	(2)	-	Mathematical and Physical Sciences	PT-011-20015	American Physical Society		
47.049	I	22,400	-	Mathematical and Physical Sciences	#205807	American Statistical Assoc		
47.049	I	16,236	-	Mathematical and Physical Sciences	[G001686-7500	Southern Methodist University		
47.050	D	1,008,722	9,211	Geosciences				
47.050	I	45,587	-	Geosciences	14-NSF-1026/EAR1338694	Duke University		
47.050	I	10,869	-	Geosciences	16-122-100539-010	Old Dominion University Research Foundation		
47.050	I	3,541	-	Geosciences	1(GG012596)	Trustees of Columbia University in New York City		
47.070	D	2,587,541	163,450	Computer and Information Science and Engineering				
47.070	I	49,644	-	Computer and Information Science and Engineering	RD199-G15	Georgia Institute of Technology		
47.070	I	45,812	-	Computer and Information Science and Engineering	0008957-1000071879/6	Howard University		
47.070	I	10,423	-	Computer and Information Science and Engineering	402071-UNC	Kent State University		
47.070	I	4,111	-	Computer and Information Science and Engineering	15639	Wichita State University		
47.074	D	2,851,363	319,330	Biological Sciences				
47.074	I	31,967	-	Biological Sciences	14-2657/PO 2000004359	University of South Carolina		
47.074	I	121,024	-	Biological Sciences	564K336	University of Wisconsin-Madison		
47.075	D	1,224,430	100,506	Social, Behavioral, and Economic Sciences				
47.075	I	8,510	-	Social, Behavioral, and Economic Sciences	2017-27	Davidson College		
47.075	I	4,006	-	Social, Behavioral, and Economic Sciences	18005A	Missouri State University		
47.075	I	1,012	-	Social, Behavioral, and Economic Sciences	16-3018; PO#200001867	University of South Carolina		
47.075	I	7,028	-	Social, Behavioral, and Economic Sciences	0011729A	University of Texas		
47.075	I	3,751	-	Social, Behavioral, and Economic Sciences	0012090A	University of Texas		
47.075	I	11,882	-	Social, Behavioral, and Economic Sciences	479862-19347	Virginia Polytechnic Institute and State University		
47.076	D	11,811,161	822,390	Education and Human Resources				
47.076	I	9,532	-	Education and Human Resources	0007964-1000046713/47258	Howard University		
47.076	I	78,923	-	Education and Human Resources	DRL-1502755	Michigan State University		
47.076	I	56,192	-	Education and Human Resources	RC107583UNCG	Michigan State University		
47.076	I	15,198	-	Education and Human Resources	Grant # 1533627	Morehouse College		
47.076	I	2,063	-	Education and Human Resources	Subaward NO. PU-NCAT-02-2017	Pacific University		
47.076	I	14,372	-	Education and Human Resources	P601988/P700839	Prairie View A&M University		
47.076	I	167,167	-	Education and Human Resources	4101-63663 / DUE-1431694	Purdue University		
47.076	I	13,468	-	Education and Human Resources	1601452	Riverside CC District		
47.076	I	(19,525)	-	Education and Human Resources	UF-EIES-1109030-NCA	University of Florida		
47.076	I	152,563	-	Education and Human Resources	C00056306-1	University of Missouri		
47.076	I	13,552	-	Education and Human Resources	C00032406-1	University of Missouri - Columbia		
47.076	I	6,210	-	Education and Human Resources	2017-000447	University of Puerto Rico Mayaguez Campus		
47.076	I	401,101	-	Education and Human Resources	GA 10969-141627	University of Virginia		
47.079	D	31,304	-	Office of International Science and Engineering				
47.079	I	606	-	Office of International Science and Engineering	OISE-15-61170-0	U.S. Civilian Research and Development Foundation		
47.U01	D	111,835	-	National Science Foundation				IPA - Program Manager
47.U02	D	30,750	-	National Science Foundation				NSF - National Science Foundation
		<u>25,646,718</u>	<u>1,430,410</u>	Total — Other Programs — National Science Foundation				

**U. S. Small Business Administration**

59.037	D	3,390,126	-	Small Business Development Centers				
59.044	D	234,065	-	Veterans Outreach Program				
		<u>3,624,191</u>	-	Total — Other Programs — U. S. Small Business Administration				

**U. S. Department of Veterans Affairs**

64.005	D	1,173,519	-	Grants to States for Construction of State Home Facilities				
64.028	D	369,227	-	Post-9/11 Veterans Educational Assistance				
64.124	D	356,063	-	All-Volunteer Force Educational Assistance				
64.U01	D	62,518	-	U. S. Department of Veterans Affairs				IPA - Davies, Boyd
64.U02	D	3,734	-	U. S. Department of Veterans Affairs				Veterans With Dementia
64.U03	D	14,970	-	U. S. Department of Veterans Affairs				Story-Call: e-Mobile Support
		<u>1,980,031</u>	-	Total — Other Programs — U. S. Department of Veterans Affairs				

**U. S. Environmental Protection Agency**

66.032	D	181,617	-	State Indoor Radon Grants				
66.034	D	37,624	19,075	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act				

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>	
66.040	D	422,890	-	State Clean Diesel Grant Program				
66.202	D	850,362	-	Congressionally Mandated Projects				
66.204	D	288,861	-	Multipurpose Grants to States and Tribes				
66.432	D	3,952,827	-	State Public Water System Supervision				
66.433	D	109,246	-	State Underground Water Source Protection				
66.436	D	14,988	-	Surveys, Studies, Investigations, Demonstrations, and Training Grants and Cooperative Agreements - Section 104(b)(3) of the Clean Water Act				
66.454	D	348,234	-	Water Quality Management Planning				
66.454	I	3,740	-	Water Quality Management Planning	7116	Mid-East Commission		
66.460	D	3,587,488	-	Nonpoint Source Implementation Grants				
66.460	I	6,850	-	Nonpoint Source Implementation Grants	2016-1924	Albemarle Rc&D		
66.460	I	4,711	-	Nonpoint Source Implementation Grants	2015-1025	Town Of Pittsboro		
66.461	D	72,883	29,954	Regional Wetland Program Development Grants				
66.462	D	102,597	-	National Wetland Program Development Grants and Five-Star Restoration Training Grant				
66.472	D	301,208	-	Beach Monitoring and Notification Program Implementation Grants				
66.509	D	19,389	-	Science To Achieve Results (STAR) Research Program				
66.511	I	98,812	5,121	Office of Research and Development Consolidated Research/Training/Fellowships	4951-RFA 14-4/16-2	Health Effects Institute		
66.511	I	85,649	-	Office of Research and Development Consolidated Research/Training/Fellowships	4951-RFA14-4/16-2-3	Health Effects Institute		
66.516	D	14,235	-	P3 Award: National Student Design Competition for Sustainability				
66.605	D	470,394	-	Performance Partnership Grants				
66.608	D	53,987	-	Environmental Information Exchange Network Grant Program and Related Assistance				
66.701	D	35,633	-	Toxic Substances Compliance Monitoring Cooperative Agreements				
66.707	D	414,280	-	TSCA Title IV State Lead Grants Certification of Lead-Based Paint Professionals				
66.708	D	46,777	13,055	Pollution Prevention Grants Program				
66.716	D	8,997	-	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, and Studies				
66.801	D	2,279,631	-	Hazardous Waste Management State Program Support				
66.802	D	1,295,932	-	Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements				
66.804	D	848,009	-	Underground Storage Tank Prevention, Detection and Compliance Program				
66.805	D	2,178,220	-	Leaking Underground Storage Tank Trust Fund Corrective Action Program				
66.U01	I	19,945	-	U. S. Environmental Protection Agency	SA-2017-65	Extension Foundation	X8-83698001	
66.U02	I	11,460	-	U. S. Environmental Protection Agency	2018-1592	Jacobs	EP-C-15-0008	
66.U03	D	289	-	U. S. Environmental Protection Agency			209075-EP-14-W-000040	
		<u>18,167,765</u>	<u>67,205</u>	Total — Other Programs — U. S. Environmental Protection Agency				
<b><u>Nuclear Regulatory Commission</u></b>								
77.008	D	198,815	-	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program				
		<u>198,815</u>	-	Total — Other Programs — Nuclear Regulatory Commission				
<b><u>U. S. Department of Energy</u></b>								
81.042	D	3,557,262	-	Weatherization Assistance for Low-Income Persons				
81.086	D	142,357	51,392	Conservation Research and Development				
81.086	I	51,059	-	Conservation Research and Development	2016-0802	Envision Charlotte		
81.087	D	585,635	36,849	Renewable Energy Research and Development				
81.087	I	182,280	-	Renewable Energy Research and Development	10001630/DE-FOA-0000856	Electric Power Research Institute, Inc.		
81.087	I	62,483	-	Renewable Energy Research and Development	207BIR606	Portland State University		
81.117	D	292,742	6,145	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance				
81.117	I	150,797	-	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	PEEIF486-01	Ucpco		
81.119	D	853,068	-	State Energy Program Special Projects				
81.121	D	351,101	-	Nuclear Energy Research, Development and Demonstration				
81.121	I	9,805	-	Nuclear Energy Research, Development and Demonstration	17-3304/PO# 2000032066	University of South Carolina		
81.122	D	(121)	-	Electricity Delivery and Energy Reliability, Research, Development and Analysis				
81.135	I	154,455	-	Advanced Research Projects Agency - Energy	5645-UNCC-EARPA-0801	Pennsylvania State University	280875	
81.U01	I	21,617	-	U. S. Department of Energy	LETTER DATED 6-12-15	National Nuclear Security Administration	IPAU01	
81.U02	D	307,391	-	U. S. Department of Energy				
81.U03	I	25,113	-	U. S. Department of Energy	1879-205-2011567	Clemson University	CAPER PD-1 Critical Infrastructure	
81.U04	I	10,850	-	U. S. Department of Energy	324457	Battelle Memorial Institute	Communication Bridge	
81.U05	I	32,293	-	U. S. Department of Energy	245450-1	Los Alamos National Security	Numerical Simulation of Turbulent M	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>			<b>Amount</b>					
<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Provided to</b>					
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>	
81.U06	I	283,381	-	U. S. Department of Energy	Task 4300104099 BOA 4100000316	Consolidated Nuclear Security, LLC	Securing American Manufacturing	
81.U07	I	35,919	-	U. S. Department of Energy	309507	Brookhaven Science Associates, LLC	Support for Development of AIERCI	
81.U08	I	53,051	-	U. S. Department of Energy	B621419	Lawrence Livermore National Laboratory	Surface Topography Measurements	
81.U09	I	10,000	-	U. S. Department of Energy	Ltr dated 4/10/2017	Hydro Research Foundation	Performance of Magnetically Geared	
81.U10	I	9,765	-	U. S. Department of Energy	PO#361759	Battelle Memorial Institute	Streaming Query User Interface	
81.U11	I	35,774	-	U. S. Department of Energy	Task Order 4300105908	Consolidated Nuclear Security, LLC	SAM - Task 4300105908	
81.U12	I	46,755	-	U. S. Department of Energy	N000229563	Honeywell Federal Manufacturing & Technologies, LLC	Non-Contact Dimensional Inspection	
81.U13	I	4,969	-	U. S. Department of Energy	PO Number N000270917	Honeywell Federal Manufacturing & Technologies, LLC	Non-Contact Dimensional Inspection	
81.U14	I	34,895	-	U. S. Department of Energy	Task Order 4300105977	Consolidated Nuclear Security, LLC	SAM - Task 4300105977	
81.U15	I	21,771	-	U. S. Department of Energy	380698	Battelle Memorial Institute	Deception Detection in Social Media	
81.U16	I	37,578	-	U. S. Department of Energy	390587	Battelle Memorial Institute	Increasing Distribution System	
81.U17	I	35,253	-	U. S. Department of Energy	195684	Battelle Energy Alliance, LLC	LDRD 18A12-132FP IN FY18	
		<u>7,399,298</u>	<u>94,386</u>	Total — Other Programs — U. S. Department of Energy				
<b>U. S. Department of Education</b>								
84.002	D	16,562,228	14,480,878	Adult Education - Basic Grants to States				
84.010	D	437,697,147	433,971,651	Title I Grants to Local Educational Agencies				
84.010	I	4,655	-	Title I Grants to Local Educational Agencies	PO 3063989	Charlotte Mecklenburg Board of Education		
84.011	D	4,685,121	4,156,178	Migrant Education State Grant Program				
84.011	I	38,649	-	Migrant Education State Grant Program	1-312-021495-52532L	Research Triangle Institute (RTI International)		
84.013	D	724,827	-	Title I State Agency Program for Neglected and Delinquent Children and Youth				
84.016	D	23,112	-	Undergraduate International Studies and Foreign Language Programs				
84.021	D	54,862	-	Overseas Programs - Group Projects Abroad				
84.031	D	32,935,813	76,367	Higher Education Institutional Aid				
84.048	D	36,926,089	20,859,929	Career and Technical Education -- Basic Grants to States				
84.116	D	3,106,361	-	Fund for the Improvement of Postsecondary Education				
84.120	D	460,881	-	Minority Science and Engineering Improvement				
84.126	D	99,889,348	-	Rehabilitation Services Vocational Rehabilitation Grants to States				
84.129	D	590,925	-	Rehabilitation Long-Term Training				
84.141	D	451,348	-	Migrant Education High School Equivalency Program				
84.144	D	44,063	-	Migrant Education Coordination Program				
84.161	D	413,374	-	Rehabilitation Services Client Assistance Program				
84.169	D	626,841	-	Independent Living State Grants				
84.177	D	1,366,033	-	Rehabilitation Services Independent Living Services for Older Individuals Who are Blind				
84.181	D	14,391,219	884,497	Special Education-Grants for Infants and Families				
84.187	D	274,911	-	Supported Employment Services for Individuals with the Most Significant Disabilities				
84.196	D	1,989,434	-	Education for Homeless Children and Youth				
84.200	D	449,098	-	Graduate Assistance in Areas of National Need				
84.215	I	5,422	-	Fund for the Improvement of Education	S215G140012-002	Allegheny Co Schools		
84.224	D	424,555	-	Assistive Technology				
84.265	D	95	-	Rehabilitation Training State Vocational Rehabilitation Unit In-Service Training				
84.287	D	25,738,811	593,911	Twenty-First Century Community Learning Centers				
84.299	I	348,535	-	Indian Education -- Special Programs for Indian Children	N/A	Lumbee Lan Development, Inc.		
84.305	D	1,455,991	537,503	Education Research, Development and Dissemination				
84.305	I	14,593	-	Education Research, Development and Dissemination	Agmt dated 02/20/2017	Assoc of Public and Land Grant Universities (APLU)		
84.305	I	101,392	-	Education Research, Development and Dissemination	43221	University of Delaware		
84.305	I	62,045	-	Education Research, Development and Dissemination	2014-00953-01-03-739	University of Illinois		
84.305	I	38,494	-	Education Research, Development and Dissemination	WFUHS 114266	Wake Forest University		
84.323	D	1,215,964	1,159,961	Special Education - State Personnel Development				
84.324	D	(339)	-	Research in Special Education				
84.324	I	69,561	-	Research in Special Education	S-000828	University of California, Riverside		
84.324	I	(326)	-	Research in Special Education	224311A	University of Oregon		
84.325	D	2,821,254	2,592	Special Education - Personnel Development to Improve Services and Results for Children				
84.325	I	143,991	-	Special Education - Personnel Development to Improve Services and Results for Children	88401 15-16	Salus University		
84.326	D	2,856,921	1,486,677	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities				
84.326	I	54,918	-	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	A006557003	Regents of the Univ of Minnesota		

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
84.326	I	95,403	-	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	A006557004	University of Minnesota	
84.326	I	31,338	-	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	224440D	University of Oregon	
84.334	D	7,604,847	3,373,197	Gaining Early Awareness and Readiness for Undergraduate Programs			
84.334	I	7,593	-	Gaining Early Awareness and Readiness for Undergraduate Programs	9012343-96	University of North Carolina General Administration	
84.336	D	1,546,499	135,335	Teacher Quality Partnership Grants			
84.350	D	89,667	-	Transition to Teaching			
84.351	I	55,758	-	Arts in Education	2101 Req 709	Guilford County Schools	
84.358	D	4,580,230	4,373,462	Rural Education			
84.363	D	716,139	-	School Leader Recruitment and Support (formerly School Leadership)			
84.365	D	15,762,054	14,152,085	English Language Acquisition State Grants			
84.366	D	4,696,344	-	Mathematics and Science Partnerships			
84.366	I	129,210	54,805	Mathematics and Science Partnerships	#205732	Brunswick County Schools	
84.366	I	320,727	51,286	Mathematics and Science Partnerships	#205770	Brunswick County Schools	
84.366	I	79,168	-	Mathematics and Science Partnerships	2015-1763	Person County Schools	
84.367	D	45,867,637	45,232,262	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)			
84.367	I	3,975	-	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2016	National Writing Project Corporation	
84.367	I	17,982	-	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2017-CRWPPD	National Writing Project Corporation	
84.367	I	7,310	-	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2017-ILI	National Writing Project Corporation	
84.368	D	725,619	-	Competitive Grants for State Assessments (formerly Grants for Enhanced Assessment Instruments)			
84.369	D	8,677,025	-	Grants for State Assessments and Related Activities			
84.372	D	33,721	-	Statewide Longitudinal Data Systems			
84.377	D	8,848,064	8,547,162	School Improvement Grants			
84.382	D	1,273,746	24,880	Strengthening Minority-Serving Institutions			
84.407	D	255,188	23,528	Transition Programs for Students with Intellectual Disabilities into Higher Education			
84.411	I	216,798	-	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	1516-013-01	Columbus State Community College	
84.411	I	233,907	100,431	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	U411B120049	Jobs for the Future	
84.411	I	293,574	-	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	#511138	Teachers College Columbia University	
84.412	D	(18,107)	-	Race to the Top - Early Learning Challenge			
84.424	D	4,316,744	4,302,790	Student Support and Academic Enrichment Program			
84.U01	D	131,666	-	U. S. Department of Education			NAEP Grant year 2015-16. Acct. # 882400016
84.U02	I	189,290	-	U. S. Department of Education	2015-0287	Harnett County	2015-0287
84.U03	I	31,736	-	U. S. Department of Education	2015-0613	Jones County Schools	2015-0613
84.U04	I	2,840	-	U. S. Department of Education	2017-0546	Lee County Schools	2017-0546
84.U05	D	1,248,658	220,788	U. S. Department of Education			209085-ED-ESE-14-C-0131 National Ctr o Homeless Education-9/30/2014-9/29/2017
		<u>797,130,566</u>	<u>558,802,155</u>	Total — Other Programs — U. S. Department of Education			

**National Archives and Records Administration**

89.003	D	61,329	-	National Historical Publications and Records Grants			
		<u>61,329</u>	<u>-</u>	Total — Other Programs — National Archives and Records Administration			

**U. S. Election Assistance Commission**

90.401	D	738,658	-	Help America Vote Act Requirements Payments			
		<u>738,658</u>	<u>-</u>	Total — Other Programs — U. S. Election Assistance Committee			

**U. S. Department of Health and Human Services**

93.041	D	105,594	105,594	Special Programs for the Aging, Title VII, Chapter 3, Programs for Prevention of Elder Abuse, Neglect, and Exploitation			
93.042	D	763,647	763,647	Special Programs for the Aging, Title VII, Chapter 2, Long Term Care Ombudsman Services for Older Individuals			
93.043	D	597,610	571,719	Special Programs for the Aging, Title III, Part D, Disease Prevention and Health Promotion Services			
93.048	D	338,476	49,500	Special Programs for the Aging, Title IV, and Title II, Discretionary Projects			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal</b>	<b>CFDA</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>Number</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>	
93.052	D	4,393,301	3,997,523	National Family Caregiver Support, Title III, Part E				
93.069	D	79,662	-	Public Health Emergency Preparedness				
93.070	D	344,633	10,970	Environmental Public Health and Emergency Response				
93.070	I	68,642	-	Environmental Public Health and Emergency Response	2017-333 / 2016-361	Gaston County Department of Health		
93.071	D	840,466	682,831	Medicare Enrollment Assistance Program				
93.072	D	153,064	-	Lifespan Respite Care Program				
93.073	D	145,842	-	Birth Defects and Developmental Disabilities - Prevention and Surveillance				
93.073	I	6,900	-	Birth Defects and Developmental Disabilities - Prevention and Surveillance	216069/NU50DD004933	Duke University		
93.074	D	19,976,026	7,252,829	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements				
93.079	D	449,733	-	Cooperative Agreements to Promote Adolescent Health through School-Based HIV/STD Prevention and School-Based Surveillance				
93.088	D	9,134	5,231	Advancing System Improvements for Key Issues in Women's Health				
93.092	D	1,514,406	308,317	Affordable Care Act (ACA) Personal Responsibility Education Program				
93.094	D	1,124,703	515,930	Well-Integrated Screening and Evaluation for Women Across the Nation				
93.103	D	1,995,171	-	Food and Drug Administration Research				
93.103	I	69,439	-	Food and Drug Administration Research	DUKE SPS: 207574/215728	Duke University		
93.103	I	36,354	-	Food and Drug Administration Research	S16027	Kansas State University		
93.104	D	687,224	634,087	Comprehensive Community Mental Health Services for Children with Serious Emotional Disturbances (SED)				
93.110	D	100,911	-	Maternal and Child Health Federal Consolidated Programs				
93.110	I	754	-	Maternal and Child Health Federal Consolidated Programs	5 H30MC24046-07-00	Hemophilia of Georgia, Inc.		
93.110	I	112	-	Maternal and Child Health Federal Consolidated Programs	5H30MC24046-05-00	Hemophilia of Georgia, Inc.		
93.110	I	9,820	-	Maternal and Child Health Federal Consolidated Programs	6 H30MC24046-06-02	Hemophilia of Georgia, Inc.		
93.110	I	123,367	-	Maternal and Child Health Federal Consolidated Programs	60041104	Ohio State University		
93.113	D	878,553	62,443	Environmental Health				
93.116	D	1,550,782	702,171	Project Grants and Cooperative Agreements for Tuberculosis Control Programs				
93.121	D	387	-	Oral Diseases and Disorders Research				
93.121	I	1,551	-	Oral Diseases and Disorders Research	1794-209-2008855	Clemson University		
93.121	I	125	-	Oral Diseases and Disorders Research	U19-DE-22516	University of Alabama at Birmingham		
93.124	D	93,934	-	Nurse Anesthetist Traineeship				
93.127	D	152,817	-	Emergency Medical Services for Children				
93.130	D	213,874	-	Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices				
93.136	D	3,406,434	355,865	Injury Prevention and Control Research and State and Community Based Programs				
93.145	I	19,801	-	HIV-Related Training and Technical Assistance	4500002396	Boston University		
93.145	I	68,517	-	HIV-Related Training and Technical Assistance	Subaward NO. 4500002431 / YR 2	Boston University		
93.150	D	858,233	855,145	Projects for Assistance in Transition from Homelessness (PATH)				
93.153	D	525,799	-	Coordinated Services and Access to Research for Women, Infants, Children, and Youth				
93.155	I	38,783	-	Rural Health Research Centers	PO#78000004013	University of Kentucky Research Foundation		
93.165	D	164,591	-	Grants to States for Loan Repayment Program				
93.173	D	213,559	19,036	Research Related to Deafness and Communication Disorders				
93.173	I	14,070	-	Research Related to Deafness and Communication Disorders	GB10125	University of Virginia		
93.178	D	83,768	-	Nursing Workforce Diversity				
93.191	D	506,836	-	Graduate Psychology Education				
93.211	D	216,608	20,000	Telehealth Programs				
93.213	D	482,146	122,537	Research and Training in Complementary and Integrative Health				
93.213	I	21,155	-	Research and Training in Complementary and Integrative Health	32270170-02	Baylor University		
93.213	I	72,360	-	Research and Training in Complementary and Integrative Health	UFDSP00010627	University of Florida		
93.213	I	126,010	-	Research and Training in Complementary and Integrative Health	BP010966	University of Washington		
93.213	I	325,708	-	Research and Training in Complementary and Integrative Health	132416 G00	Washington State University		
93.217	D	5,173,007	4,123,831	Family Planning Services				
93.226	D	240,299	23,266	Research on Healthcare Costs, Quality and Outcomes				
93.226	I	2,858	-	Research on Healthcare Costs, Quality and Outcomes	WFOHS 118147	Wake Forest University Health Science		
93.226	I	90	-	Research on Healthcare Costs, Quality and Outcomes	WFOHS 118148	Wake Forest University Health Science		
93.234	D	245,471	240,977	Traumatic Brain Injury State Demonstration Grant Program				
93.235	D	2,750,536	-	Title V State Sexual Risk Avoidance Education (Title V State SRAE) Program				
93.236	D	326,515	-	Grants to States to Support Oral Health Workforce Activities				
93.240	D	277,265	-	State Capacity Building				
93.241	D	598,239	375,581	State Rural Hospital Flexibility Program				
93.242	D	162,795	38,175	Mental Health Research Grants				

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct / Indirect</b>	<b>Program Expenditures</b>	<b>Amount Provided to Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
93.243	D	5,571,668	4,217,171	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.243	I	30,635	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	5H79T1026129	Brunswick County	
93.243	I	69,394	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	1H79T1026778-01	Harnett County	
93.243	I	7,539	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	Subaward #:HBCUCFE.17-17/18	Morehouse School Of Medicine	
93.243	I	24	-	Substance Abuse and Mental Health Services Projects of Regional and National Significance	Subcontract NO: NBCU-CFE 16-17	Morehouse School Of Medicine	
93.247	D	967,369	-	Advanced Nursing Education Workforce Grant Program			
93.251	D	253,410	50,277	Universal Newborn Hearing Screening			
93.256	D	(6,459)	-	State Health Access Program			
93.262	D	147,291	20,000	Occupational Safety and Health Program			
93.262	I	4,645	4,645	Occupational Safety and Health Program	U60 OH009762	Center to Protect Workers Rights	
93.262	I	25,361	-	Occupational Safety and Health Program	4885/120715 PO0000128920	State of Rhode Island	
93.262	I	36,773	5,000	Occupational Safety and Health Program	3210000532-17-217	University of Kentucky Research Foundation	
93.262	I	13,357	-	Occupational Safety and Health Program	3210000762-18-189 PO780004084	University of Kentucky Research Foundation	
93.268	D	128,147,561	-	Immunization Cooperative Agreements			
93.270	D	92,596	-	Viral Hepatitis Prevention and Control			
93.273	D	607,404	6,936	Alcohol Research Programs			
93.273	I	290,265	-	Alcohol Research Programs	5304-2931	Pennsylvania State University	
93.276	D	61,779	-	Drug-Free Communities Support Program Grants			
93.279	D	555,953	236,072	Drug Abuse and Addiction Research Programs			
93.279	I	2,829	-	Drug Abuse and Addiction Research Programs	ECIG ADOLESCENT	Amer Acad of Chil and Adolescent Psychiatry	
93.279	I	28,234	-	Drug Abuse and Addiction Research Programs	500392-78053	Northeastern University	
93.279	I	64,043	-	Drug Abuse and Addiction Research Programs	361052-04760-02	Temple Research Admin	
93.279	I	27,511	-	Drug Abuse and Addiction Research Programs	361052-04760-02	Temple University	
93.279	I	7,269	-	Drug Abuse and Addiction Research Programs	7109993	The Miriam Hospital	
93.283	D	102,831	-	Centers for Disease Control and Prevention Investigations and Technical Assistance			
93.283	I	1,750	-	Centers for Disease Control and Prevention Investigations and Technical Assistance	PROJECT#17-07-407	Assoc for Prevention Teaching and Research	
93.283	I	37,231	-	Centers for Disease Control and Prevention Investigations and Technical Assistance	17-22-TH01	Assoc of Prevention Teaching and Research	
93.286	D	90,546	-	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.297	D	773,321	534,746	Teenage Pregnancy Prevention Program			
93.301	D	221,697	-	Small Rural Hospital Improvement Grant Program			
93.305	D	1,539,357	602,972	PPHF 2018: Office of Smoking and Health-National State-Based Tobacco Control Programs-Financed in part by 2018 Prevention and Public Health funds (PPHF)			
93.307	D	162,664	33,423	Minority Health and Health Disparities Research			
93.307	I	61,172	-	Minority Health and Health Disparities Research	127687 G003655	USDHHS-Via WSU	
93.307	I	(1,541)	-	Minority Health and Health Disparities Research	RN0078-2014-001	University of North Texas Health Science Center	
93.307	I	4,822	-	Minority Health and Health Disparities Research	#205766	Wake Forest University	
93.310	D	14,325	11,369	Trans-NIH Research Support			
93.310	I	112,896	-	Trans-NIH Research Support	2036047	Duke University	
93.314	D	122,212	-	Early Hearing Detection and Intervention Information System (EHDI-IS) Surveillance Program			
93.323	D	2,242,500	416,490	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)			
93.323	I	136,987	100,187	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	NU50CK000384	USDHHS	
93.324	D	1,155,334	392,155	State Health Insurance Assistance Program			
93.336	D	210,916	-	Behavioral Risk Factor Surveillance System			
93.350	D	18,000	-	National Center for Advancing Translational Sciences			
93.350	I	30,610	-	National Center for Advancing Translational Sciences	WFUHS 441418	Wake Forest University Health Science	
93.351	D	37,808	-	Research Infrastructure Programs			
93.351	I	65,623	-	Research Infrastructure Programs	18-SUBC-440-0000392244	Smithsonian Institution	
93.358	D	10	-	Advanced Education Nursing Traineeships			
93.359	D	1,223,197	241,408	Nurse Education, Practice Quality and Retention Grants			
93.361	I	27,268	-	Nursing Research	2035601	Duke University	
93.389	D	149,360	-	National Center for Research Resources			
93.393	D	231,731	-	Cancer Cause and Prevention Research			
93.393	I	56,487	52,592	Cancer Cause and Prevention Research	2975-17-0453	Dualogics, LLC	
93.393	I	(22)	-	Cancer Cause and Prevention Research	UFDSP00011092	University of Florida	
93.394	I	1,015	-	Cancer Detection and Diagnosis Research	A151216 (SCREENING ALCHEMIST)	Cancer and Leukemia Group B	
93.394	I	36,244	-	Cancer Detection and Diagnosis Research	223808 / 2R01CA135650-05A1	Massachusetts General Hospital	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.394	I	59,998	-	Cancer Detection and Diagnosis Research	RC108375UNC	Michigan State University	
93.395	D	266,286	-	Cancer Treatment Research			
93.395	I	11,387	-	Cancer Treatment Research	U10CA021661	American College of Radiology	
93.395	I	462	-	Cancer Treatment Research	#4500002674	Boston University	
93.395	I	17,061	-	Cancer Treatment Research	R15CA192936-uNCG	Campbell University	
93.395	I	1,686	-	Cancer Treatment Research	A011106 / ALTERNATE	Cancer and Leukemia Group B	
93.395	I	1,015	-	Cancer Treatment Research	Alliance A081105 (EGFR ALCHEMI)	Cancer and Leukemia Group B	
93.395	I	1,015	-	Cancer Treatment Research	E4512 (ALK ALCHEMIST)	Cancer and Leukemia Group B	
93.395	I	887	-	Cancer Treatment Research	N1048-(PROSPECT)/ALLIANCE	Cancer and Leukemia Group B	
93.395	I	84	-	Cancer Treatment Research	PROTOCOL A061202 (ALLIANCE)	Cancer and Leukemia Group B	
93.395	I	870	-	Cancer Treatment Research	PROTOCOL A071401	Cancer and Leukemia Group B	
93.395	I	22,808	-	Cancer Treatment Research	9500080216-13C	Children's Hospital of Philadelphia	
93.395	I	15,692	-	Cancer Treatment Research	CTA #CT005	CivaTech Oncology	
93.395	I	287,895	-	Cancer Treatment Research	2035509	Duke University	
93.395	I	1,026	-	Cancer Treatment Research	NRG-BR003	NRG Oncology	
93.395	I	308,402	96,085	Cancer Treatment Research	P01CA125066	Ohio State University	
93.395	I	48,563	-	Cancer Treatment Research	GB10232 153173	University of Virginia	
93.395	I	135,197	-	Cancer Treatment Research	GB10232. 156228	University of Virginia	
93.396	D	101,351	-	Cancer Biology Research			
93.396	I	3,204	-	Cancer Biology Research	2975-2015-0715	OncoTab, Inc.	
93.397	I	7,559	-	Cancer Centers Support Grants	3210000374-18-308	University of Kentucky Research Foundation	
93.398	D	34,284	-	Cancer Research Manpower			
93.399	I	42	-	Cancer Control	N107C ALLIANCE	University of Chicago	
93.433	I	4,370	-	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	PO# WA00374879	University of Massachusetts	
93.500	D	576,822	133,004	Pregnancy Assistance Fund Program			
93.506	D	28,728	-	ACA Nationwide Program for National and State Background Checks for Direct Patient Access Employees of Long Term Care Facilities and Providers			
93.511	D	11,115	-	Affordable Care Act (ACA) Grants to States for Health Insurance Premium Review			
93.521	D	661,385	-	The Affordable Care Act: Building Epidemiology, Laboratory, and Health Information Systems Capacity in the Epidemiology and Laboratory Capacity for Infectious Disease (ELC) and Emerging Infections Program (EIP) Cooperative Agreements; PPHF			
93.539	D	5,047,937	2,394,967	PPHF Capacity Building Assistance to Strengthen Public Health Immunization Infrastructure and Performance financed in part by Prevention and Public Health Funds			
93.551	D	32,607	-	Abandoned Infants			
93.556	D	13,325,234	10,942,951	Promoting Safe and Stable Families			
93.560	D	(25,117)	-	Family Support Payments to States Assistance Payments			
93.563	D	104,709,279	89,455,515	Child Support Enforcement			
93.566	D	4,236,907	2,657,357	Refugee and Entrant Assistance State/Replacement Designee Administered Programs			
93.568	D	88,256,228	86,339,700	Low-Income Home Energy Assistance			
93.569	D	21,868,026	21,081,783	Community Services Block Grant			
93.576	D	329,885	216,028	Refugee and Entrant Assistance Discretionary Grants			
93.584	D	935,430	903,553	Refugee and Entrant Assistance Targeted Assistance Grants			
93.586	D	527,237	-	State Court Improvement Program			
93.590	D	1,121,915	1,023,214	Community-Based Child Abuse Prevention Grants			
93.591	I	1,009	-	Family Violence Prevention and Services/State Domestic Violence Coalitions	#205757	N/L Resource Ctr of Domestic Violence	
93.597	D	330,643	-	Grants to States for Access and Visitation Programs			
93.599	D	793,006	793,006	Chafee Education and Training Vouchers Program (ETV)			
93.600	D	280,729	-	Head Start			
93.600	I	151	-	Head Start	2017-1676	Big Blue Marble Academy	
93.600	I	75,715	-	Head Start	#205782	Guilford Child Development	
93.600	I	2,270	-	Head Start	2017-0483	Lancaster County First Steps	
93.600	I	267	-	Head Start	2017-1674	Sunshine House	
93.600	I	181	-	Head Start	2017-1675	The Learning Tree Day School	
93.600	I	286	-	Head Start	2017-1671	UU World of Children	
93.600	I	155	-	Head Start	2017-1660	Unique Kidz	
93.603	D	3,400	-	Adoption and Legal Guardianship Incentive Payments			
93.630	D	1,756,876	604,680	Developmental Disabilities Basic Support and Advocacy Grants			
93.643	D	379,929	52,622	Children's Justice Grants to States			
93.645	D	8,049,694	2,676,795	Stephanie Tubbs Jones Child Welfare Services Program			
93.647	I	85,557	-	Social Services Research and Demonstration	90PH0025-02-00	Child Trends	
93.652	D	242,300	97,500	Adoption Opportunities			



**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (DETAIL)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct / Indirect</b>	<b>Program Expenditures</b>	<b>Amount Provided to Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
93.652	I	9,314	-	Adoption Opportunities	173405311	University of Wisconsin Board of Regents	
93.652	I	28,381	-	Adoption Opportunities	183405361	University of Wisconsin Board of Regents	
93.658	D	96,557,683	83,276,584	Foster Care Title IV-E			
93.659	D	62,915,370	4,070,846	Adoption Assistance			
93.667	D	66,789,158	51,234,879	Social Services Block Grant			
93.669	D	310,693	12,280	Child Abuse and Neglect State Grants			
93.670	I	10,000	-	Child Abuse and Neglect Discretionary Activities	#170605	Ctr for the Study of Soc Policy	
93.671	D	2,783,425	2,675,394	Family Violence Prevention and Services/Domestic Violence Shelter and Supportive Services			
93.674	D	2,928,943	2,779,041	Chafee Foster Care Independence Program			
93.732	D	1,103,461	-	Mental and Behavioral Health Education and Training Grants			
93.734	D	325,250	92,891	Empowering Older Adults and Adults with Disabilities through Chronic Disease Self-Management Education Programs - financed by Prevention and Public Health Funds (PPHF)			
93.735	D	449,438	-	State Public Health Approaches for Ensuring Qiltline Capacity - Funded in part by Prevention and Public Health Funds (PPHF)			
93.738	I	42,083	-	PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds	PO# 2018279	Cabarrus Health Alliance	
93.745	D	47,727	-	PPHF: Health Care Surveillance/Health Statistics - Surveillance Program Announcement: Behavioral Risk Factor Surveillance System Financed in Part by Prevention and Public Health Fund			
93.752	D	135,791	81,090	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations financed in part by Prevention and Public Health Funds			
93.753	D	329,895	-	Child Lead Poisoning Prevention Surveillance financed in part by Prevention and Public Health (PPHF) Program			
93.757	D	4,171,596	2,200,370	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)			
93.757	I	21,940	-	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	2016-049309-002 PO#428829	Texas Dept. Of State Health	
93.758	D	5,030,207	3,613,962	Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)			
93.761	D	35,692	-	Evidence-Based Falls Prevention Programs Financed Solely by Prevention and Public Health Funds (PPHF)			
93.767	D	469,964,842	6,947,822	Children's Health Insurance Program			
93.779	D	141,977	46,580	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations			
93.779	I	2,471	-	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations	23-312-0212790-52034	Research Triangle Institute (RTI International)	
93.788	D	14,092,945	13,619,548	Opioid STR			
93.791	D	6,502,429	-	Money Follows the Person Rebalancing Demonstration			
93.815	D	1,134,200	-	Domestic Ebola Supplement to the Epidemiology and Laboratory Capacity for Infectious Diseases (ELC).			
93.817	D	84,222	33,901	Hospital Preparedness Program (HPP) Ebola Preparedness and Response Activities			
93.829	D	480,698	480,698	Section 223 Demonstration Programs to Improve Community Mental Health Services			
93.837	D	1,283,108	55,506	Cardiovascular Diseases Research			
93.837	I	56,715	-	Cardiovascular Diseases Research	2033701/RHL124444B	Duke University	
93.837	I	133,478	-	Cardiovascular Diseases Research	1R41HL133633-01A1	RFPI, LLC	
93.837	I	785	-	Cardiovascular Diseases Research	N006187416-UMN CON #65083	Regents of the Univ of Minnesota	
93.837	I	111,103	-	Cardiovascular Diseases Research	W000934177 PO1001768818	State University of Iowa	
93.837	I	15,604	-	Cardiovascular Diseases Research	66105170517-ECU	State of Mississippi-University of Mississippi Medical Center	
93.837	I	282,212	-	Cardiovascular Diseases Research	000511972-002/5UH3HL130691-03	University of Alabama at Birmingham	
93.837	I	4,667	-	Cardiovascular Diseases Research	431965-19347	Virginia Polytechnic Institute and State University	
93.838	D	108,546	-	Lung Diseases Research			
93.838	I	15,613	-	Lung Diseases Research	SUBAWARD NO 001	COPD Foundation, Inc.	
93.838	I	808	-	Lung Diseases Research	9012549 (128373-4) (130129-36)	University of Pittsburgh	
93.839	I	8,648	-	Blood Diseases and Resources Research	MUSC17-050-8C868	Med Univ of South Carolina	
93.839	I	51,395	-	Blood Diseases and Resources Research	FP00003310_SA003	University of Virginia	
93.846	D	702,776	34,859	Arthritis, Musculoskeletal and Skin Diseases Research			
93.846	I	170,620	-	Arthritis, Musculoskeletal and Skin Diseases Research	ZAT00020/1R01AR071263-01	University of Kansas Medical Center Research Inst, Inc.	
93.847	D	1,792,275	89,378	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	4,172	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	32307-13	Augusta University	
93.847	I	13,170	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	330182	Children's Hospital of Philadelphia	
93.847	I	20,992	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	SUBAWARD NO. 203-7549/DILIN	Duke University	

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Federal CFDA Number	Direct / Indirect	Program Expenditures	Amount Provided to Subrecipients	CFDA Program Title	Pass-Through Entity Number	Pass-Through Entity Name	Additional Award Information
93.847	I	6,109	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	700043-0518-00	Nationwide Children's Hospital	
93.847	I	17,731	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	FY18.001.019	USDHHS-Via UOC	
93.847	I	71,905	-	Diabetes, Digestive, and Kidney Diseases Extramural Research	VUMC 62470	Vanderbilt University	
93.853	D	445,193	71,506	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	50,380	-	Extramural Research Programs in the Neurosciences and Neurological Disorders	00107151/UFDSP00010694	University of Florida	
93.855	D	1,847,934	181,963	Allergy and Infectious Diseases Research			
93.855	I	167,954	-	Allergy and Infectious Diseases Research	3210871219/ PO 961879SUB	Children's Hospital of Philadelphia	
93.855	I	136,439	-	Allergy and Infectious Diseases Research	DUKE SPS#:199679/157805/210393	Duke University	
93.855	I	96,126	-	Allergy and Infectious Diseases Research	0000900564	Fred Hutchinson Cancer Research Center	
93.855	I	20,412	-	Allergy and Infectious Diseases Research	0000936572	Fred Hutchinson Cancer Research Center	
93.855	I	90,992	-	Allergy and Infectious Diseases Research	101217-00001	Trustees of Tufts College	
93.855	I	40,468	-	Allergy and Infectious Diseases Research	87251207	University of Southern California	
93.855	I	2,501	-	Allergy and Infectious Diseases Research	0011094B	University of Texas at Houston	
93.855	I	33,640	-	Allergy and Infectious Diseases Research	S2017-144	University of Toledo	
93.855	I	14,962	-	Allergy and Infectious Diseases Research	GR100603 (CON-80000936)	Yale University	
93.859	D	4,782,067	83,714	Biomedical Research and Research Training			
93.859	I	32,951	-	Biomedical Research and Research Training	1R15GM119052-1	University of Alabama	
93.865	D	1,810,355	91,627	Child Health and Human Development Extramural Research			
93.865	I	721	-	Child Health and Human Development Extramural Research	199688/TASK 23	Duke University	
93.865	I	62,969	-	Child Health and Human Development Extramural Research	PO # 88167-1/ KFS# 5633480	University of Connecticut	
93.865	I	88,720	-	Child Health and Human Development Extramural Research	431909-19728	Virginia Polytechnic Institute and State University	
93.865	I	21,111	-	Child Health and Human Development Extramural Research	WFUHS 112761	Wake Forest University Health Sciences	
93.866	D	134,664	-	Aging Research			
93.866	I	149,361	-	Aging Research	PO# PM00495959/SP00012985-01	Georgia State University	
93.866	I	9,481	-	Aging Research	3003913736/P01AG02940910	University of Michigan	
93.866	I	5,619	-	Aging Research	ASPREE	Wake Forest University	
93.866	I	18,439	-	Aging Research	WFUHS 30209/30215/330216/20/21	Wake Forest University	
93.866	I	72,846	-	Aging Research	WFUHS 115238	Wake Forest University Health Sciences	
93.879	I	14,998	-	Medical Library Assistance	1600679	University of Maryland	
93.879	I	2,000	-	Medical Library Assistance	1600679/PO#SR00004893	University of Maryland Balt. County	
93.881	D	122,313	-	The Health Insurance Enforcement and Consumer Protections Grant Program			
93.884	D	562,809	-	Grants for Primary Care Training and Enhancement			
93.884	I	1,286	-	Grants for Primary Care Training and Enhancement	WFUHS 116164	Wake Forest University	
93.898	D	3,846,554	1,647,555	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations			
93.910	I	11,053	-	Family and Community Violence Prevention Program	PO#2017189	Cabarrus Health Alliance	
93.913	D	146,732	-	Grants to States for Operation of State Offices of Rural Health			
93.917	D	40,889,204	27,744,616	HIV Care Formula Grants			
93.918	D	540,016	-	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease			
93.926	D	2,318,160	1,124,068	Healthy Start Initiative			
93.928	I	28,711	-	Special Projects of National Significance	WFUHS 119038	Wake Forest University	
93.933	I	89,233	44,780	Demonstration Projects for Indian Health	WCU-1400-01	USDHHS-Via USET	
93.940	D	9,334,708	1,669,679	HIV Prevention Activities Health Department Based			
93.941	I	16,669	-	HIV Demonstration, Research, Public and Professional Education Projects	WFUHS 115788	Wake Forest University	
93.944	D	1,283,507	-	Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Virus Syndrome (AIDS) Surveillance			
93.945	D	1,077,323	547,305	Assistance Programs for Chronic Disease Prevention and Control			
93.946	D	140,579	-	Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs			
93.958	D	10,837,374	4,813,346	Block Grants for Community Mental Health Services			
93.959	D	46,307,249	30,639,143	Block Grants for Prevention and Treatment of Substance Abuse			
93.959	I	30,118	-	Block Grants for Prevention and Treatment of Substance Abuse	P00001134	Sandhills Center	
93.969	D	792,947	102,600	PPHF Geriatric Education Centers			
93.977	D	2,898,085	92,365	Sexually Transmitted Diseases (STD) Prevention and Control Grants			
93.982	D	913,086	872,267	Mental Health Disaster Assistance and Emergency Mental Health			
93.991	I	8,172	-	Preventive Health and Health Services Block Grant	CY-6-466	Scdhec	
93.994	D	14,660,762	12,328,814	Maternal and Child Health Services Block Grant to the States			
93.U01	D	96,618	-	U. S. Department of Health and Human Services			#HHSF223201310161C
93.U02	D	283,744	-	U. S. Department of Health and Human Services			#HHSF223201100149C
93.U03	D	(9,766)	-	U. S. Department of Health and Human Services			250227
93.U04	I	8,052	-	U. S. Department of Health and Human Services	CONTRACT DATED 12/09/17	DHHS OPHS Office on Women's Health (OWH)	280963
93.U05	D	158,490	18,768	U. S. Department of Health and Human Services			HHSF223201210130C

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<b>Federal</b>	<b>Direct /</b>	<b>Program</b>	<b>Amount</b>				
<b>CFDA</b>	<b>Indirect</b>	<b>Expenditures</b>	<b>Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
93.U06	I	82	-	U. S. Department of Health and Human Services	2018-1560	Nasda	5U01FD005334-04
93.U07	I	39,119	-	U. S. Department of Health and Human Services	8-312-0213405-51919L	Research Triangle Institute (RTI International)	205755-790 8-312-0213405-51919L (SBIRT Evaluation)
		<u>1,343,486,754</u>	<u>501,651,153</u>	Total — Other Programs — U. S. Department of Health and Human Services			
<b><u>Corporation for National and Community Service</u></b>							
94.002	D	146,887	-	Retired and Senior Volunteer Program			
94.003	D	217,284	-	State Commissions			
94.006	D	3,419,139	3,419,139	AmeriCorps			
94.009	D	98,813	-	Training and Technical Assistance			
94.019	D	1,089,016	211,994	Social Innovation Fund			
		<u>4,971,139</u>	<u>3,631,133</u>	Total — Other Programs — Corporation for National and Community Service			
<b><u>Social Security Administration</u></b>							
96.008	D	156,674	-	Social Security - Work Incentives Planning and Assistance Program			
		<u>156,674</u>	-	Total — Other Programs — Social Security Administration			
<b><u>U. S. Department of Homeland Security</u></b>							
97.005	I	177,330	-	State and Local Homeland Security National Training Program	FY16-00097-S01-NCCU	Rural Domestic Preparedness Consortium	
97.012	D	1,307,366	-	Boating Safety Financial Assistance			
97.012	I	14,443	-	Boating Safety Financial Assistance	A18-0077-001	American Canoe Association	
97.012	I	45,444	-	Boating Safety Financial Assistance	170221	National Safe Boating Council	
97.023	D	426,026	-	Community Assistance Program State Support Services Element (CAP-SSSE)			
97.029	D	2,898,297	2,654,408	Flood Mitigation Assistance			
97.032	D	15,439	-	Crisis Counseling			
97.036	D	64,520,744	46,917,624	Disaster Grants - Public Assistance (Presidentially Declared Disasters)			
97.039	D	4,848,364	3,830,951	Hazard Mitigation Grant			
97.041	D	191,329	-	National Dam Safety Program			
97.042	D	9,143,942	4,648,349	Emergency Management Performance Grants			
97.043	D	9,580	-	State Fire Training Systems Grants			
97.044	D	115,289	-	Assistance to Firefighters Grant			
97.045	D	1,417,226	-	Cooperating Technical Partners			
97.046	D	2,576,977	-	Fire Management Assistance Grant			
97.047	D	463,135	95,195	Pre-Disaster Mitigation			
97.056	D	242,424	-	Port Security Grant Program			
97.061	I	23,488	-	Centers for Homeland Security	R-16-0014	University of Houston	
97.067	D	8,975,932	4,262,952	Homeland Security Grant Program			
97.088	D	1,802,782	-	Disaster Assistance Projects			
97.U01	D	134,636	115,714	U. S. Department of Homeland Security			Mobile Security Management Tool
		<u>99,350,193</u>	<u>62,525,193</u>	Total — Other Programs — U. S. Department of Homeland Security			
<b><u>United States Agency for International Development</u></b>							
98.001	I	47,669	-	USAID Foreign Assistance for Programs Overseas	8000078002	Purdue University	
98.001	I	14,501	-	USAID Foreign Assistance for Programs Overseas	8000081084-AG	Purdue University	
98.012	I	8,419	-	USAID Development Partnerships for University Cooperation and Development	RC102095-W1003	Michigan State University	
98.U01	I	32,793	-	United States Agency for International Development	RC102095BHEARD-MALAWI	Michigan State University	RC102095BHEARD-MALAWI
		<u>103,382</u>	-	Total — Other Programs — United States Agency for International Development			
<b><u>Other Federal Assistance</u></b>							
99.U01	D	74,494	-	Other Federal Assistance			SJI-15-N-178, SJI-16-T-138
99.U02	D	47,731	-	Other Federal Assistance			BHSIS - State Agreement with Single State Agencies
99.U03	D	7,800	-	Other Federal Assistance			SOMMS Grant - State Outcome Measurement & Management System
99.U04	D	112,954	-	Other Federal Assistance			DASIS - Drug and Alcohol Services Information System

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<b>Federal CFDA Number</b>	<b>Direct / Indirect</b>	<b>Program Expenditures</b>	<b>Amount Provided to Subrecipients</b>	<b>CFDA Program Title</b>	<b>Pass-Through Entity Number</b>	<b>Pass-Through Entity Name</b>	<b>Additional Award Information</b>
99.U05	D	17,750	-	Other Federal Assistance			PC-15-8-057
99.U06	I	128,213	-	Other Federal Assistance	1545	Corporate for Public	Corporate For Broadcasting 1545
		<u>388,942</u>	<u>-</u>	Total — Other Programs — Other Federal Assistance			
		<u>3,181,143,763</u>	<u>1,437,397,646</u>	Total — Other Programs			
		<u>\$20,774,351,729</u>	<u>\$3,326,487,456</u>	<b>TOTAL EXPENDITURES OF FEDERAL AWARDS</b>			

N/A = Not Available

D = Direct Federal Assistance – Assistance received directly from the federal government or received in a pass-through relationship from other State entities.

I = Indirect Federal Assistance – Assistance received in a pass-through relationship from entities other than the federal government or other State entities.

The accompanying notes are an integral part of this schedule.

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
<b>Primary Government</b>						
<b><u>N. C. Administrative Office of the Courts</u></b>						
16.585	D	6,865	Drug Court Discretionary Grant Program			
16.585	I	113,300	Drug Court Discretionary Grant Program	2016-DC-BX-0020	Harnett County	
16.590	D	101,836	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program			
16.590	I	3,309	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	2017-WE-AX-0026	Haywood County	
16.590	I	81,277	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	2014-WE-AX-0008	Haywood County	
16.726	I	44,000	Juvenile Mentoring Program	NC10922-15-0716-S1	National CASA Association	
16.726	I	58,000	Juvenile Mentoring Program	NC10922-15-0717-S2	National CASA Association	
16.820	D	169,765	Postconviction Testing of DNA Evidence			
93.243	I	30,635	Substance Abuse and Mental Health Services Projects of Regional and National Significance	5H79T1026129	Brunswick County	
93.243	I	69,394	Substance Abuse and Mental Health Services Projects of Regional and National Significance	1H79T1026778-01	Harnett County	
93.586	D	527,237	State Court Improvement Program			
99.U01	D	74,494	Other Federal Assistance			SJI-15-N-178, SJI-16-T-138
		<u>1,280,112</u>	Total — N. C. Administrative Office of the Courts			
<b><u>N. C. Department of Administration</u></b>						
14.871	D	4,646,161	Section 8 Housing Choice Vouchers			
17.265	D	228,180	Native American Employment and Training			
39.003	D	2,190,468	Donation of Federal Surplus Personal Property			
84.044	D	22,829	TRIO Talent Search			
93.671	D	2,783,425	Family Violence Prevention and Services/Domestic Violence Shelter and Supportive Services			
		<u>9,871,063</u>	Total — N. C. Department of Administration			
<b><u>N. C. Department of Agriculture and Consumer Services</u></b>						
10.025	D	1,681,514	Plant and Animal Disease, Pest Control, and Animal Care			
10.153	D	53,835	Market News			
10.163	D	245,473	Market Protection and Promotion			
10.170	D	968,077	Specialty Crop Block Grant Program - Farm Bill			
10.203	D	298,560	Payments to Agricultural Experiment Stations Under the Hatch Act			
10.250	D	99,214	Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations			
10.304	D	28,605	Homeland Security Agricultural			
10.475	D	4,443,518	Cooperative Agreements with States for Intrastate Meat and Poultry Inspection			
10.479	D	98,324	Food Safety Cooperative Agreements			
10.555	D	49,438,468	National School Lunch Program			
10.559	D	64,663	Summer Food Service Program for Children			
10.560	D	1,680,202	State Administrative Expenses for Child Nutrition			
10.565	D	2,295,199	Commodity Supplemental Food Program			
10.568	D	2,713,232	Emergency Food Assistance Program (Administrative Costs)			
10.569	D	14,882,335	Emergency Food Assistance Program (Food Commodities)			
10.575	D	4,964	Farm to School Grant Program			
10.652	D	519,985	Forestry Research			
10.664	D	3,109,283	Cooperative Forestry Assistance			
10.676	D	16,922	Forest Legacy Program			
10.678	D	51,899	Forest Stewardship Program			
10.680	D	476,900	Forest Health Protection			
10.902	D	397,867	Soil and Water Conservation			
10.U01	D	805,653	U. S. Department of Agriculture			Phytosanitary Fees
12.U01	D	1,363,169	U. S. Department of Defense			#DCBR-CA-09
15.615	D	109,997	Cooperative Endangered Species Conservation Fund			
66.605	D	470,394	Performance Partnership Grants			
93.103	D	1,974,598	Food and Drug Administration Research			
93.U01	D	96,618	U. S. Department of Health and Human Services			#HHSF223201310161C
93.U02	D	283,744	U. S. Department of Health and Human Services			#HHSF223201100149C
		<u>88,673,212</u>	Total — N. C. Department of Agriculture and Consumer Services			
<b><u>N. C. Department of Commerce</u></b>						
12.610	D	13,236	Community Economic Adjustment Assistance for Compatible Use and Joint Land Use Studies			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
14.228	D	48,331,491	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii			
17.002	D	1,570,385	Labor Force Statistics			
17.207	D	23,986,240	Employment Service/Wagner-Peyser Funded Activities			
17.225	D	242,153,197	Unemployment Insurance			
17.245	D	4,631,221	Trade Adjustment Assistance			
17.258	D	24,385,837	WIOA Adult Program			
17.259	D	28,713,594	WIOA Youth Activities			
17.271	D	494,669	Work Opportunity Tax Credit Program (WOTC)			
17.273	D	315,517	Temporary Labor Certification for Foreign Workers			
17.277	D	9,475,961	WIOA National Dislocated Worker Grants / WIA National Emergency Grants			
17.278	D	30,092,438	WIOA Dislocated Worker Formula Grants			
17.281	D	1,778,553	WIOA Dislocated Worker National Reserve Technical Assistance and Training			
17.801	D	5,348,787	Disabled Veterans' Outreach Program (DVOP)			
20.700	D	1,658,272	Pipeline Safety Program State Base Grant			
23.011	D	2,085,418	Appalachian Research, Technical Assistance, and Demonstration Projects			
		<u>425,034,816</u>	Total — N. C. Department of Commerce			
<b><u>N. C. Community College System</u></b>						
17.201	D	74,356	Registered Apprenticeship			
17.201	D	144,869	Registered Apprenticeship			
84.002	D	16,323,571	Adult Education - Basic Grants to States			
		<u>16,542,796</u>	Total — N. C. Community College System			
<b><u>N. C. Department of Environmental Quality</u></b>						
11.407	D	72,685	Interjurisdictional Fisheries Act of 1986			
11.419	D	2,461,738	Coastal Zone Management Administration Awards			
11.420	D	790,426	Coastal Zone Management Estuarine Research Reserves			
11.435	D	93,654	Southeast Area Monitoring and Assessment Program			
11.439	D	87,623	Marine Mammal Data Program			
11.474	D	191,264	Atlantic Coastal Fisheries Cooperative Management Act			
11.999	D	35,468	Marine Debris Program			
15.605	D	2,523,339	Sport Fish Restoration			
15.808	D	175,092	U.S. Geological Survey Research and Data Collection			
15.814	D	7,844	National Geological and Geophysical Data Preservation			
66.001	D	2,521,419	Air Pollution Control Program Support			
66.040	D	422,890	State Clean Diesel Grant Program			
66.202	D	850,362	Congressionally Mandated Projects			
66.204	D	288,861	Multipurpose Grants to States and Tribes			
66.419	D	7,030,045	Water Pollution Control State, Interstate, and Tribal Program Support			
66.432	D	3,952,827	State Public Water System Supervision			
66.433	D	109,246	State Underground Water Source Protection			
66.454	D	348,234	Water Quality Management Planning			
66.458	D	24,162,886	Capitalization Grants for Clean Water State Revolving Funds			
66.460	D	3,587,488	Nonpoint Source Implementation Grants			
66.462	D	102,597	National Wetland Program Development Grants and Five-Star Restoration Training Grant			
66.468	D	20,692,587	Capitalization Grants for Drinking Water State Revolving Funds			
66.472	D	301,208	Beach Monitoring and Notification Program Implementation Grants			
66.708	D	79,729	Pollution Prevention Grants Program			
66.801	D	2,279,631	Hazardous Waste Management State Program Support			
66.802	D	1,295,932	Superfund State, Political Subdivision, and Indian Tribe Site-Specific Cooperative Agreements			
66.804	D	848,009	Underground Storage Tank Prevention, Detection and Compliance Program			
66.805	D	2,178,220	Leaking Underground Storage Tank Trust Fund Corrective Action Program			
66.809	D	144,248	Superfund State and Indian Tribe Core Program Cooperative Agreements			
81.042	D	3,557,262	Weatherization Assistance for Low-Income Persons			
81.119	D	853,068	State Energy Program Special Projects			
97.041	D	191,329	National Dam Safety Program			
		<u>82,237,211</u>	Total — N. C. Department of Environmental Quality			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
<b><u>N. C. Department of Environmental Quality - Wildlife</u></b>						
10.028	D	19,389	Wildlife Services			
10.691	D	33,484	Good Neighbor Authority			
10.699	D	50,335	Partnership Agreements			
11.472	D	78,007	Unallied Science Program			
15.605	D	7,199,877	Sport Fish Restoration			
15.608	D	80,280	Fish and Wildlife Management Assistance			
15.611	D	21,505,266	Wildlife Restoration and Basic Hunter Education			
15.615	D	439,739	Cooperative Endangered Species Conservation Fund			
15.616	D	30,537	Clean Vessel Act			
15.626	D	254,898	Enhanced Hunter Education and Safety			
15.634	D	1,889,829	State Wildlife Grants			
15.657	D	30,000	Endangered Species Conservation - Recovery Implementation Funds			
15.669	D	24,349	Cooperative Landscape Conservation			
97.012	D	1,307,366	Boating Safety Financial Assistance			
		<u>32,943,356</u>	Total — N. C. Department of Environmental Quality - Wildlife			
<b><u>N. C. Department of Health and Human Services</u></b>						
10.544	D	2,132	Healthy Body Healthy Spirit			
10.551	D	1,907,032,714	Supplemental Nutrition Assistance Program			
10.557	D	168,973,068	WIC Special Supplemental Nutrition Program for Women, Infants, and Children			
10.558	D	101,879,414	Child and Adult Care Food Program			
10.560	D	2,457,555	State Administrative Expenses for Child Nutrition			
10.561	D	117,469,453	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program			
10.572	D	119,786	WIC Farmers' Market Nutrition Program (FMNP)			
10.576	D	63,482	Senior Farmers Market Nutrition Program			
10.578	D	3,672,919	WIC Grants To States (WGS)			
14.231	D	5,694,528	Emergency Solutions Grant Program			
14.241	D	2,031,670	Housing Opportunities for Persons with AIDS			
16.754	D	4,618	Harold Rogers Prescription Drug Monitoring Program			
17.235	D	1,900,117	Senior Community Service Employment Program			
66.032	D	181,617	State Indoor Radon Grants			
66.034	D	21,122	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act			
66.608	D	53,987	Environmental Information Exchange Network Grant Program and Related Assistance			
66.701	D	35,633	Toxic Substances Compliance Monitoring Cooperative Agreements			
66.707	D	414,280	TSCA Title IV State Lead Grants Certification of Lead-Based Paint Professionals			
66.716	D	8,997	Research, Development, Monitoring, Public Education, Outreach, Training, Demonstrations, and Studies			
84.126	D	99,889,348	Rehabilitation Services Vocational Rehabilitation Grants to States			
84.161	D	413,374	Rehabilitation Services Client Assistance Program			
84.169	D	626,841	Independent Living State Grants			
84.177	D	1,366,033	Rehabilitation Services Independent Living Services for Older Individuals Who are Blind			
84.181	D	14,391,219	Special Education-Grants for Infants and Families			
84.187	D	274,911	Supported Employment Services for Individuals with the Most Significant Disabilities			
84.224	D	424,555	Assistive Technology			
84.265	D	95	Rehabilitation Training State Vocational Rehabilitation Unit In-Service Training			
84.412	D	(18,107)	Race to the Top - Early Learning Challenge			
93.041	D	105,594	Special Programs for the Aging, Title VII, Chapter 3, Programs for Prevention of Elder Abuse, Neglect, and Exploitation			
93.042	D	763,647	Special Programs for the Aging, Title VII, Chapter 2, Long Term Care Ombudsman Services for Older Individuals			
93.043	D	597,610	Special Programs for the Aging, Title III, Part D, Disease Prevention and Health Promotion Services			
93.044	D	12,659,132	Special Programs for the Aging, Title III, Part B, Grants for Supportive Services and Senior Centers			
93.045	D	16,450,239	Special Programs for the Aging, Title III, Part C, Nutrition Services			
93.052	D	4,393,301	National Family Caregiver Support, Title III, Part E			
93.053	D	3,349,337	Nutrition Services Incentive Program			
93.069	D	79,336	Public Health Emergency Preparedness			
93.070	D	344,633	Environmental Public Health and Emergency Response			
93.072	D	153,064	Lifespan Respite Care Program			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
93.073	D	145,842	Birth Defects and Developmental Disabilities - Prevention and Surveillance			
93.074	D	19,976,026	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements			
93.092	D	1,514,406	Affordable Care Act (ACA) Personal Responsibility Education Program			
93.094	D	1,124,703	Well-Integrated Screening and Evaluation for Women Across the Nation			
93.104	D	687,224	Comprehensive Community Mental Health Services for Children with Serious Emotional Disturbances (SED)			
93.110	D	92,565	Maternal and Child Health Federal Consolidated Programs			
93.116	D	1,550,782	Project Grants and Cooperative Agreements for Tuberculosis Control Programs			
93.127	D	152,817	Emergency Medical Services for Children			
93.130	D	213,874	Cooperative Agreements to States/Territories for the Coordination and Development of Primary Care Offices			
93.136	D	3,406,434	Injury Prevention and Control Research and State and Community Based Programs			
93.150	D	858,233	Projects for Assistance in Transition from Homelessness (PATH)			
93.165	D	164,591	Grants to States for Loan Repayment Program			
93.217	D	5,173,007	Family Planning Services			
93.224	D	3,378,555	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care for the Homeless, and Public Housing Primary Care)			
93.234	D	245,471	Traumatic Brain Injury State Demonstration Grant Program			
93.236	D	326,515	Grants to States to Support Oral Health Workforce Activities			
93.240	D	277,265	State Capacity Building			
93.241	D	598,239	State Rural Hospital Flexibility Program			
93.243	D	4,019,075	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.251	D	253,410	Universal Newborn Hearing Screening			
93.256	D	(6,459)	State Health Access Program			
93.262	D	147,291	Occupational Safety and Health Program			
93.268	D	128,147,561	Immunization Cooperative Agreements			
93.270	D	92,596	Viral Hepatitis Prevention and Control			
93.283	D	102,831	Centers for Disease Control and Prevention Investigations and Technical Assistance			
93.297	D	773,321	Teenage Pregnancy Prevention Program			
93.301	D	221,697	Small Rural Hospital Improvement Grant Program			
93.305	D	1,539,357	PPHF 2018: Office of Smoking and Health-National State-Based Tobacco Control Programs-Financed in part by 2018 Prevention and Public Health funds (PPHF)			
93.314	D	122,212	Early Hearing Detection and Intervention Information System (EHDI-IS) Surveillance Program			
93.323	D	2,242,500	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)			
93.336	D	210,916	Behavioral Risk Factor Surveillance System			
93.500	D	576,822	Pregnancy Assistance Fund Program			
93.505	D	1,223,654	Affordable Care Act (ACA) Maternal, Infant, and Early Childhood Home Visiting Program			
93.506	D	28,728	ACA Nationwide Program for National and State Background Checks for Direct Patient Access Employees of Long Term Care Facilities and Providers			
93.521	D	661,385	The Affordable Care Act: Building Epidemiology, Laboratory, and Health Information Systems Capacity in the Epidemiology and Laboratory Capacity for Infectious Disease (ELC) and Emerging Infections Program (EIP) Cooperative Agreements; PPHF			
93.539	D	5,047,937	PPHF Capacity Building Assistance to Strengthen Public Health Immunization Infrastructure and Performance financed in part by Prevention and Public Health Funds			
93.556	D	13,325,234	Promoting Safe and Stable Families			
93.558	D	234,224,880	Temporary Assistance for Needy Families			
93.560	D	(25,117)	Family Support Payments to States Assistance Payments			
93.563	D	104,709,279	Child Support Enforcement			
93.566	D	4,236,907	Refugee and Entrant Assistance State/Replacement Designee Administered Programs			
93.568	D	88,256,228	Low-Income Home Energy Assistance			
93.569	D	21,868,026	Community Services Block Grant			
93.575	D	163,776,508	Child Care and Development Block Grant			
93.576	D	304,134	Refugee and Entrant Assistance Discretionary Grants			
93.584	D	935,430	Refugee and Entrant Assistance Targeted Assistance Grants			
93.590	D	1,121,915	Community-Based Child Abuse Prevention Grants			
93.596	D	111,458,361	Child Care Mandatory and Matching Funds of the Child Care and Development Fund			
93.597	D	330,643	Grants to States for Access and Visitation Programs			
93.599	D	793,006	Chafee Education and Training Vouchers Program (ETV)			
93.603	D	3,400	Adoption and Legal Guardianship Incentive Payments			
93.630	D	1,756,876	Developmental Disabilities Basic Support and Advocacy Grants			



**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
93.645	D	8,049,694	Stephanie Tubbs Jones Child Welfare Services Program			
93.652	D	242,300	Adoption Opportunities			
93.658	D	96,557,683	Foster Care Title IV-E			
93.659	D	62,915,370	Adoption Assistance			
93.667	D	66,789,158	Social Services Block Grant			
93.669	D	310,693	Child Abuse and Neglect State Grants			
93.674	D	2,928,943	Chafee Foster Care Independence Program			
93.735	D	449,438	State Public Health Approaches for Ensuring Qutline Capacity - Funded in part by Prevention and Public Health Funds (PPHF)			
93.745	D	47,727	PPHF: Health Care Surveillance/Health Statistics - Surveillance Program Announcement: Behavioral Risk Factor Surveillance System Financed in Part by Prevention and Public Health Fund			
93.752	D	135,791	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations financed in part by Prevention and Public Health Funds			
93.753	D	329,895	Child Lead Poisoning Prevention Surveillance financed in part by Prevention and Public Health (PPHF) Program			
93.757	D	4,171,596	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)			
93.758	D	5,030,207	Preventive Health and Health Services Block Grant funded solely with Prevention and Public Health Funds (PPHF)			
93.761	D	35,692	Evidence-Based Falls Prevention Programs Financed Solely by Prevention and Public Health Funds (PPHF)			
93.767	D	469,964,842	Children's Health Insurance Program			
93.777	D	16,447,290	State Survey and Certification of Health Care Providers and Suppliers (Title XVIII) Medicare			
93.778	D	9,428,629,976	Medical Assistance Program			
93.788	D	14,092,945	Opioid STR			
93.791	D	6,502,429	Money Follows the Person Rebalancing Demonstration			
93.815	D	1,134,200	Domestic Ebola Supplement to the Epidemiology and Laboratory Capacity for Infectious Diseases (ELC).			
93.817	D	84,222	Hospital Preparedness Program (HPP) Ebola Preparedness and Response Activities			
93.829	D	480,698	Section 223 Demonstration Programs to Improve Community Mental Health Services			
93.870	D	2,165,240	Maternal, Infant and Early Childhood Home Visiting Grant Program			
93.898	D	3,846,554	Cancer Prevention and Control Programs for State, Territorial and Tribal Organizations			
93.913	D	146,732	Grants to States for Operation of State Offices of Rural Health			
93.917	D	40,889,204	HIV Care Formula Grants			
93.926	D	1,682,326	Healthy Start Initiative			
93.940	D	9,334,708	HIV Prevention Activities Health Department Based			
93.944	D	1,283,507	Human Immunodeficiency Virus (HIV)/Acquired Immunodeficiency Virus Syndrome (AIDS) Surveillance			
93.945	D	1,077,323	Assistance Programs for Chronic Disease Prevention and Control			
93.946	D	140,579	Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs			
93.958	D	10,837,374	Block Grants for Community Mental Health Services			
93.959	D	46,299,496	Block Grants for Prevention and Treatment of Substance Abuse			
93.977	D	2,898,085	Sexually Transmitted Diseases (STD) Prevention and Control Grants			
93.982	D	913,086	Mental Health Disaster Assistance and Emergency Mental Health			
93.994	D	14,660,762	Maternal and Child Health Services Block Grant to the States			
96.001	D	59,105,497	Social Security Disability Insurance			
96.008	D	156,674	Social Security - Work Incentives Planning and Assistance Program			
99.U02	D	47,731	Other Federal Assistance			BHSIS - State Agreement with Single State Agencies
99.U03	D	7,800	Other Federal Assistance			SOMMS Grant - State Outcome Measurement & Management System
99.U04	D	112,954	Other Federal Assistance			DASIS - Drug and Alcohol Services Information System
		<u>13,781,584,768</u>	Total — N. C. Department of Health and Human Services			

**N. C. Department of Information Technology**

11.549	D	2,834	State and Local Implementation Grant Program			
11.549	D	<u>150,023</u>	State and Local Implementation Grant Program			
		<u>152,857</u>	Total — N. C. Department of Information Technology			

**N. C. Department of Insurance**

14.171	D	28,539	Manufactured Home Dispute Resolution			
93.048	D	338,476	Special Programs for the Aging, Title IV, and Title II, Discretionary Projects			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
93.071	D	840,466	Medicare Enrollment Assistance Program			
93.324	D	1,155,334	State Health Insurance Assistance Program			
93.511	D	11,115	Affordable Care Act (ACA) Grants to States for Health Insurance Premium Review			
93.881	D	122,313	The Health Insurance Enforcement and Consumer Protections Grant Program			
97.043	D	9,580	State Fire Training Systems Grants			
97.044	D	115,289	Assistance to Firefighters Grant			
		<u>2,621,112</u>	Total — N. C. Department of Insurance			
<b><u>N. C. Department of Justice</u></b>						
16.741	D	144,616	DNA Backlog Reduction Program			
16.922	D	1,153	Equitable Sharing Program			
93.775	D	4,251,553	State Medicaid Fraud Control Units			
		<u>4,397,322</u>	Total — N. C. Department of Justice			
<b><u>N. C. Department of Labor</u></b>						
17.005	D	149,897	Compensation and Working Conditions			
17.503	D	5,180,587	Occupational Safety and Health State Program			
17.504	D	1,554,541	Consultation Agreements			
17.600	D	72,838	Mine Health and Safety Grants			
		<u>6,957,863</u>	Total — N. C. Department of Labor			
<b><u>N. C. Department of Military &amp; Veterans Affairs</u></b>						
64.005	D	1,173,519	Grants to States for Construction of State Home Facilities			
		<u>1,173,519</u>	Total — N. C. Department of Military & Veterans Affairs			
<b><u>N. C. Department of Cultural Resources</u></b>						
15.904	D	1,022,774	Historic Preservation Fund Grants-In-Aid			
15.916	D	468,747	Outdoor Recreation Acquisition, Development and Planning			
15.921	D	2,600	Rivers, Trails and Conservation Assistance			
15.925	D	26,613	National Maritime Heritage Grants			
15.925	D	115,215	National Maritime Heritage Grants			
45.025	D	619,706	Promotion of the Arts Partnership Agreements			
45.301	D	101,143	Museums for America			
45.309	D	171	Museum Grants for African American History and Culture			
45.310	D	4,009,510	Grants to States			
89.003	D	1,675	National Historical Publications and Records Grants			
89.003	D	59,654	National Historical Publications and Records Grants			
		<u>6,427,808</u>	Total — N. C. Department of Cultural Resources			
<b><u>N. C. Department of Public Instruction</u></b>						
10.547	D	62,345	Professional Standards for School Nutrition Employees			
10.553	D	139,268,695	School Breakfast Program			
10.555	D	388,505,126	National School Lunch Program			
10.556	D	98,710	Special Milk Program for Children			
10.559	D	14,022,410	Summer Food Service Program for Children			
10.560	D	4,347,769	State Administrative Expenses for Child Nutrition			
10.579	D	1,134,353	Child Nutrition Discretionary Grants Limited Availability			
10.582	D	3,776,712	Fresh Fruit and Vegetable Program			
12.U02	D	144,334	U. S. Department of Defense			
84.010	D	437,697,147	Title I Grants to Local Educational Agencies			
84.011	D	4,685,121	Migrant Education State Grant Program			
84.013	D	724,827	Title I State Agency Program for Neglected and Delinquent Children and Youth			
84.027	D	343,449,297	Special Education Grants to States			
84.048	D	36,853,502	Career and Technical Education -- Basic Grants to States			
84.144	D	44,063	Migrant Education Coordination Program			
84.173	D	11,136,160	Special Education Preschool Grants			
84.196	D	1,989,434	Education for Homeless Children and Youth			
84.287	D	25,738,811	Twenty-First Century Community Learning Centers			
84.323	D	1,215,964	Special Education - State Personnel Development			

Troop to Teachers Grant year 2015-16. Voucher # NC 092422015.

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
84.326	D	255,684	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities			
84.358	D	4,580,230	Rural Education			
84.365	D	15,538,865	English Language Acquisition State Grants			
84.366	D	4,696,344	Mathematics and Science Partnerships			
84.367	D	44,704,731	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)			
84.368	D	725,619	Competitive Grants for State Assessments (formerly Grants for Enhanced Assessment Instruments)			
84.369	D	8,677,025	Grants for State Assessments and Related Activities			
84.372	D	33,721	Statewide Longitudinal Data Systems			
84.377	D	8,545,454	School Improvement Grants			
84.424	D	4,316,744	Student Support and Academic Enrichment Program			
84.U01	D	131,666	U. S. Department of Education			NAEP Grant year 2015-16. Acct. # 882400016
93.079	D	449,733	Cooperative Agreements to Promote Adolescent Health through School-Based HIV/STD Prevention and School-Based Surveillance			
93.235	D	2,750,536	Title V State Sexual Risk Avoidance Education (Title V State SRAE) Program			
93.600	D	280,729	Head Start			
		<u>1,510,581,861</u>	Total — N. C. Department of Public Instruction			
<b><u>N. C. Department of Public Safety</u></b>						
12.401	D	27,163,454	National Guard Military Operations and Maintenance (O&M) Projects			
12.404	D	6,183,636	National Guard ChalleNGe Program			
15.817	D	10,988	National Geospatial Program: Building The National Map			
16.017	D	359,730	Sexual Assault Services Formula Program			
16.540	D	573,037	Juvenile Justice and Delinquency Prevention			
16.543	D	288,088	Missing Children's Assistance			
16.554	D	270,778	National Criminal History Improvement Program (NCHIP)			
16.575	D	38,957,713	Crime Victim Assistance			
16.576	D	2,830,780	Crime Victim Compensation			
16.582	D	282,646	Crime Victim Assistance/Discretionary Grants			
16.588	D	3,169,893	Violence Against Women Formula Grants			
16.593	D	205,522	Residential Substance Abuse Treatment for State Prisoners			
16.710	D	63,897	Public Safety Partnership and Community Policing Grants			
16.738	D	3,638,609	Edward Byrne Memorial Justice Assistance Grant Program			
16.742	D	259,368	Paul Coverdell Forensic Sciences Improvement Grant Program			
16.750	D	291,318	Support for Adam Walsh Act Implementation Grant Program			
16.751	D	99,288	Edward Byrne Memorial Competitive Grant Program			
16.812	D	1,164,939	Second Chance Act Reentry Initiative			
16.816	D	44,502	John R. Justice Prosecutors and Defenders Incentive Act			
16.827	D	483,342	Justice Reinvestment Initiative			
16.922	D	1,068,097	Equitable Sharing Program			
20.218	D	6,691,937	Motor Carrier Safety Assistance			
20.231	D	124,379	Performance and Registration Information Systems Management			
20.237	D	288,712	Motor Carrier Safety Assistance High Priority Activities Grants and Cooperative Agreements			
20.703	D	304,338	Interagency Hazardous Materials Public Sector Training and Planning Grants			
21.016	D	501,852	Equitable Sharing			
93.643	D	379,929	Children's Justice Grants to States			
97.023	D	426,026	Community Assistance Program State Support Services Element (CAP-SSSE)			
97.029	D	2,898,297	Flood Mitigation Assistance			
97.032	D	15,439	Crisis Counseling			
97.036	D	64,520,744	Disaster Grants - Public Assistance (Presidentially Declared Disasters)			
97.039	D	4,848,364	Hazard Mitigation Grant			
97.042	D	9,143,942	Emergency Management Performance Grants			
97.045	D	1,417,226	Cooperating Technical Partners			
97.046	D	2,576,977	Fire Management Assistance Grant			
97.047	D	463,135	Pre-Disaster Mitigation			
97.067	D	8,298,009	Homeland Security Grant Program			
97.088	D	1,802,782	Disaster Assistance Projects			
		<u>192,111,713</u>	Total — N. C. Department of Public Safety			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
<b><u>N.C. Secretary of State</u></b>						
16.752	D	125,755	Economic, High-Tech, and Cyber Crime Prevention			
		125,755	Total — N.C. Secretary of State			
<b><u>N. C. Department of Transportation</u></b>						
20.106	D	22,150,479	Airport Improvement Program			
20.200	D	107,566	Highway Research and Development Program			
20.205	D	1,140,866,905	Highway Planning and Construction			
20.215	D	146,687	Highway Training and Education			
20.218	D	9,152,000	Motor Carrier Safety Assistance			
20.219	D	1,517,425	Recreational Trails Program			
20.232	D	29,087	Commercial Driver's License Program Implementation Grant			
20.234	D	(8,237)	Safety Data Improvement Program			
20.235	D	14,747	Commercial Motor Vehicle Operator Safety Training Grants			
20.237	D	277,078	Motor Carrier Safety Assistance High Priority Activities Grants and Cooperative Agreements			
20.314	D	489,611	Railroad Development			
20.319	D	32,920,038	High-Speed Rail Corridors and Intercity Passenger Rail Service - Capital Assistance Grants			
20.505	D	2,111,211	Metropolitan Transportation Planning and State and Non-Metropolitan Planning and Research			
20.507	D	795,571	Federal Transit Formula Grants			
20.509	D	26,587,079	Formula Grants for Rural Areas			
20.513	D	5,890,142	Enhanced Mobility of Seniors and Individuals with Disabilities			
20.516	D	1,732,219	Job Access and Reverse Commute Program			
20.521	D	1,199,728	New Freedom Program			
20.526	D	1,369,939	Bus and Bus Facilities Formula Program			
20.527	D	(3)	Public Transportation Emergency Relief Program			
20.528	D	360,724	Rail Fixed Guideway Public Transportation System State Safety Oversight Formula Grant Program			
20.600	D	5,533,192	State and Community Highway Safety			
20.604	D	18,682	Safety Incentive Grants for Use of Seatbelts			
20.607	D	1,237,489	Alcohol Open Container Requirements			
20.616	D	7,614,334	National Priority Safety Programs			
20.933	D	3,898,071	National Infrastructure Investments			
23.003	D	707,611	Appalachian Development Highway System			
97.056	D	242,424	Port Security Grant Program			
		1,266,961,799	Total — N. C. Department of Transportation			
<b><u>N. C. Office of Administrative Hearings</u></b>						
14.401	D	138,377	Fair Housing Assistance Program State and Local			
30.U01	D	64,100	U. S. Equal Employment Opportunity Commission			EEC45016C007400001
		202,477	Total — N. C. Office of Administrative Hearings			
<b><u>N. C. Office of the Governor</u></b>						
94.003	D	217,284	State Commissions			
94.006	D	285,949	AmeriCorps			
94.006	D	3,133,190	AmeriCorps			
94.009	D	98,813	Training and Technical Assistance			
		3,735,236	Total — N. C. Office of the Governor			
<b><u>N. C. State Board of Elections</u></b>						
90.401	D	738,658	Help America Vote Act Requirements Payments			
		738,658	Total — N. C. State Board of Elections			
		17,434,355,314	Total — Primary Government			
<b><u>Component Units</u></b>						
<b><u>University of North Carolina System</u></b>						
<b><u>Appalachian State University</u></b>						
10.001	D	14,509	Agricultural Research Basic and Applied Research			
10.303	I	1,523	Integrated Programs	UA AES 91147-03	University of Ark-Fayetteville	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
10.310	I	7,575	Agriculture and Food Research Initiative (AFRI)	Z5775006	University of Maryland	
10.311	I	17,013	Beginning Farmer and Rancher Development Program	UA AES 91132-03	University of Ark-Fayetteville	
10.318	I	10	Women and Minorities in Science, Technology, Engineering, and Mathematics Fields	Z574200	University of Maryland	
11.620	D	18,138	Science, Technology, Business and/or Education Outreach			
12.431	D	67,170	Basic Scientific Research			
15.657	D	11,875	Endangered Species Conservation - Recovery Implementation Funds			
15.931	D	68,321	Conservation Activities by Youth Service Organizations			
15.945	D	31,132	Cooperative Research and Training Programs - Resources of the National Park System			
19.009	I	83,244	Academic Exchange Programs - Undergraduate Programs	FY17-YALI-CL-APP-02	IREX	
19.021	I	16,089	Investing in People in The Middle East and North Africa	FY17-HEP-ASU-01	IREX	
19.040	D	56,153	Public Diplomacy Programs			
19.408	I	174,571	Academic Exchange Programs - Teachers	FY17-TEA-ASU-01	IREX	
43.001	D	75,905	Science			
45.024	D	50,338	Promotion of the Arts Grants to Organizations and Individuals			
45.149	D	7,001	Promotion of the Humanities Division of Preservation and Access			
47.049	D	44,931	Mathematical and Physical Sciences			
47.050	D	363,590	Geosciences			
47.070	D	92,518	Computer and Information Science and Engineering			
47.074	D	183,717	Biological Sciences			
47.075	D	178,696	Social, Behavioral, and Economic Sciences			
47.075	I	4,006	Social, Behavioral, and Economic Sciences	18005A	Missouri State University	
47.076	D	242,908	Education and Human Resources			
66.516	D	14,235	P3 Award: National Student Design Competition for Sustainability			
81.086	D	142,357	Conservation Research and Development			
84.007	D	383,987	Federal Supplemental Educational Opportunity Grants			
84.016	D	23,112	Undergraduate International Studies and Foreign Language Programs			
84.033	D	743,019	Federal Work-Study Program			
84.038	D	4,137,080	Federal Perkins Loan Program - Federal Capital Contributions			
84.042	D	300,069	TRIO Student Support Services			
84.047	D	662,412	TRIO Upward Bound			
84.063	D	22,867,757	Federal Pell Grant Program			
84.116	D	116,090	Fund for the Improvement of Postsecondary Education			
84.215	I	5,422	Fund for the Improvement of Education	S215G140012-002	Alleghany Co Schools	
84.268	D	96,586,315	Federal Direct Student Loans			
84.325	D	42,281	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.334	D	3,399,291	Gaining Early Awareness and Readiness for Undergraduate Programs			
84.407	D	255,188	Transition Programs for Students with Intellectual Disabilities into Higher Education			
93.113	D	69,301	Environmental Health			
93.173	D	105,518	Research Related to Deafness and Communication Disorders			
93.243	D	223,997	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.732	D	356,012	Mental and Behavioral Health Education and Training Grants			
93.855	D	136,578	Allergy and Infectious Diseases Research			
93.866	D	72,359	Aging Research			
93.884	I	1,286	Grants for Primary Care Training and Enhancement	WFUHS 116164	Wake Forest University	
94.011	D	375,396	Foster Grandparent Program			
94.016	D	246,211	Senior Companion Program			
		<b>133,076,206</b>	<b>Total — Appalachian State University</b>			
<b>East Carolina University</b>						
10.253	I	8,641	Consumer Data and Nutrition Research	343-0617	Duke University	
10.290	D	28,288	Agricultural Market and Economic Research			
10.310	I	50,329	Agriculture and Food Research Initiative (AFRI)	3200000565-17-02,PO#7800003360	University of Kentucky Research Foundation	
11.020	D	85,228	Cluster Grants			
11.427	D	9,109	Fisheries Development and Utilization Research and Development Grants and Cooperative			
11.431	I	9,869	Climate and Atmospheric Research	R/ECC-1C; NA150AR4310111	SC Sea Grant Consortium	
11.431	I	45,140	Climate and Atmospheric Research	R/ECC-01C(YR2); NA150AR4310111	SC Sea Grant Consortium	
11.433	D	39,336	Marine Fisheries Initiative			
11.457	I	35,675	Chesapeake Bay Studies	17-125-100477-010	Old Dominion University	
11.468	D	51,181	Applied Meteorological Research			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
11.468	I	15,179	Applied Meteorological Research	PO#210550-1	ECS, LLC	
11.474	I	8,674	Atlantic Coastal Fisheries Cooperative Management Act	17-1201	Atlantic States Marine Fisheries Commission	
12.300	D	217,708	Basic and Applied Scientific Research			
12.300	I	17,701	Basic and Applied Scientific Research	406300 SUB1	The Catholic University of America	
12.556	I	33,394	Competitive Grants: Promoting K-12 Student Achievement at Military-Connected Schools	A16-0138	Wayne County Public Schools	
12.630	I	35,449	Legacy Resource Management Program	775K460	University of Wisconsin Board of Regents	
12.902	D	3,477	Information Security Grants			
14.218	I	8,957	Community Development Block Grants/Entitlement Grants	A14-0151-005	City of Greenville	
14.228	I	4,453	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A16-0129-001	Town of Fremont	
14.228	I	4,461	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A16-0130-001	City of Roanoke Rapids	
14.228	I	4,507	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A16-0132-001	McDowell County Board of Education	
14.228	I	9,329	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A17-0049	County of Harnett	
14.228	I	10,749	Community Development Block Grants/State's program and Non-Entitlement Grants in Hawaii	A17-0048	City of Clinton	
15.231	I	64	Fish, Wildlife and Plant Conservation Resource Management	F13-AP00833	Chicago Botanic Gardens	
15.424	D	72,140	Marine Minerals Activities			
15.424	I	24,227	Marine Minerals Activities	SCDNR FY 2017-014; M14AC00012	South Carolina Dept of Nat Resources	
15.650	D	72,606	Research Grants (Generic)			
15.669	I	15,890	Cooperative Landscape Conservation	NCBU 20150801.3875.01	Nature Conservancy of North Carolina	
15.678	D	47,642	Cooperative Ecosystem Studies Units			
15.808	D	6,833	U.S. Geological Survey Research and Data Collection			
15.815	I	3,385	National Land Remote Sensing Education Outreach and Research	AV13-NC01/G14AP00002	AmericaView	
15.923	D	10,007	National Center for Preservation Technology and Training			
15.945	D	22,200	Cooperative Research and Training Programs - Resources of the National Park System			
15.946	D	4,690	Cultural Resources Management			
16.590	I	245,918	Grants to Encourage Arrest Policies and Enforcement of Protection Orders Program	A16-0190-001	Pitt County	
16.758	I	1,714	Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers	GREEN-NC-SA18	Children's Advocacy Ctr of NC, Inc.	
16.758	I	3,961	Improving the Investigation and Prosecution of Child Abuse and the Regional and Local Children's Advocacy Centers	GREEN-NC-SA17	Children's Advocacy Ctr of NC, Inc.	
20.614	D	24,660	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements			
20.614	I	5,476	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements	DTNH22-09-D-00138	Dunlap and Associates, Inc.	
20.614	I	10,064	National Highway Traffic Safety Administration (NHTSA) Discretionary Safety Grants and Cooperative Agreements	1-OTAEUC 2015	American Occupational Therapy Association, Inc.	
43.001	D	14,331	Science			
45.024	D	72	Promotion of the Arts Grants to Organizations and Individuals			
45.160	D	20,730	Promotion of the Humanities Fellowships and Stipends			
45.161	D	79,770	Promotion of the Humanities Research			
45.162	D	93,321	Promotion of the Humanities Teaching and Learning Resources and Curriculum Development			
47.041	D	279,735	Engineering Grants			
47.041	I	9,019	Engineering Grants	1632410	Roundtable Analytics	
47.049	D	73,181	Mathematical and Physical Sciences			
47.050	D	257,809	Geosciences			
47.050	I	10,869	Geosciences	16-122-100539-010	Old Dominion University Research Foundation	
47.050	I	45,587	Geosciences	14-NSF-1026/EAR1338694	Duke University	
47.070	D	82,997	Computer and Information Science and Engineering			
47.074	D	614,074	Biological Sciences			
47.075	D	26,800	Social, Behavioral, and Economic Sciences			
47.075	I	1,012	Social, Behavioral, and Economic Sciences	16-3018; PO#200001867	University of South Carolina	
47.075	I	11,882	Social, Behavioral, and Economic Sciences	479862-19347	Virginia Polytechnic Institute and State University	
47.076	D	886,856	Education and Human Resources			
47.079	D	31,304	Office of International Science and Engineering			
66.509	D	19,389	Science To Achieve Results (STAR) Research Program			
66.511	I	85,649	Office of Research and Development Consolidated Research/Training/Fellowships	4951-RFA14-4/16-2-3	Health Effects Institute	
66.511	I	98,812	Office of Research and Development Consolidated Research/Training/Fellowships	4951-RFA 14-4/16-2	Health Effects Institute	
66.708	D	46,777	Pollution Prevention Grants Program			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
84.007	D	609,632	Federal Supplemental Educational Opportunity Grants			
84.033	D	654,351	Federal Work-Study Program			
84.038	D	10,364,405	Federal Perkins Loan Program - Federal Capital Contributions			
84.063	D	38,168,412	Federal Pell Grant Program			
84.268	D	167,092,022	Federal Direct Student Loans			
84.325	D	459,213	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.336	D	277,141	Teacher Quality Partnership Grants			
84.367	D	5,708	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)			
84.379	D	6,281	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
93.073	I	6,900	Birth Defects and Developmental Disabilities - Prevention and Surveillance	216069/NU50DD004933	Duke University	
93.103	I	69,439	Food and Drug Administration Research	DUKE SPS: 207574/215728	Duke University	
93.110	I	112	Maternal and Child Health Federal Consolidated Programs	5H30MC24046-05-00	Hemophilia of Georgia, Inc.	
93.110	I	754	Maternal and Child Health Federal Consolidated Programs	5 H30MC24046-07-00	Hemophilia of Georgia, Inc.	
93.110	I	9,820	Maternal and Child Health Federal Consolidated Programs	6 H30MC24046-06-02	Hemophilia of Georgia, Inc.	
93.113	D	401,226	Environmental Health			
93.121	D	387	Oral Diseases and Disorders Research			
93.121	I	125	Oral Diseases and Disorders Research	U19-DE-22516	University of Alabama at Birmingham	
93.124	D	9,043	Nurse Anesthetist Traineeship			
93.145	I	19,801	HIV-Related Training and Technical Assistance	4500002396	Boston University	
93.145	I	68,517	HIV-Related Training and Technical Assistance	Subaward NO. 4500002431 / YR 2	Boston University	
93.153	D	525,799	Coordinated Services and Access to Research for Women, Infants, Children, and Youth			
93.173	D	108,041	Research Related to Deafness and Communication Disorders			
93.173	I	14,070	Research Related to Deafness and Communication Disorders	GB10125	University of Virginia	
93.191	D	200,469	Graduate Psychology Education			
93.211	D	216,608	Telehealth Programs			
93.213	D	105,594	Research and Training in Complementary and Integrative Health			
93.226	D	197,199	Research on Healthcare Costs, Quality and Outcomes			
93.243	D	138,623	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.262	I	4,645	Occupational Safety and Health Program	U60 OH009762	Center to Protect Workers Rights	
93.262	I	13,357	Occupational Safety and Health Program	3210000762-18-189 PO780004084	University of Kentucky Research Foundation	
93.262	I	25,361	Occupational Safety and Health Program	4885/120715 PO0000128920	State of Rhode Island	
93.262	I	36,773	Occupational Safety and Health Program	3210000532-17-217	University of Kentucky Research Foundation	
93.273	D	7,482	Alcohol Research Programs			
93.276	D	61,779	Drug-Free Communities Support Program Grants			
93.279	I	2,829	Drug Abuse and Addiction Research Programs	ECIG ADOLESCENT	Amer Acad of Chil and Adolescent Psychiatry	
93.279	I	64,043	Drug Abuse and Addiction Research Programs	361052-04760-02	Temple Research Admin	
93.283	I	37,231	Centers for Disease Control and Prevention Investigations and Technical Assistance	17-22-TH01	Assoc of Prevention Teaching and Research	
93.310	I	112,896	Trans-NIH Research Support	2036047	Duke University	
93.342	D	364,562	Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged			
93.358	D	10	Advanced Education Nursing Traineeships			
93.361	I	27,268	Nursing Research	2035601	Duke University	
93.364	D	348,082	Nursing Student Loans			
93.393	D	131,679	Cancer Cause and Prevention Research			
93.394	I	1,015	Cancer Detection and Diagnosis Research	A151216 (SCREENING ALCHEMIST)	Cancer and Leukemia Group B	
93.395	I	84	Cancer Treatment Research	PROTOCOL A061202 (ALLIANCE)	Cancer and Leukemia Group B	
93.395	I	870	Cancer Treatment Research	PROTOCOL A071401	Cancer and Leukemia Group B	
93.395	I	887	Cancer Treatment Research	N1048-(PROSPECT)/ALLIANCE	Cancer and Leukemia Group B	
93.395	I	1,015	Cancer Treatment Research	Alliance A081105 (EGFR ALCHEMI)	Cancer and Leukemia Group B	
93.395	I	1,015	Cancer Treatment Research	E4512 (ALK ALCHEMIST)	Cancer and Leukemia Group B	
93.395	I	1,026	Cancer Treatment Research	NRG-BR003	NRG Oncology	
93.395	I	1,686	Cancer Treatment Research	A011106 / ALTERNATE	Cancer and Leukemia Group B	
93.395	I	11,387	Cancer Treatment Research	U10CA021661	American College of Radiology	
93.395	I	15,692	Cancer Treatment Research	CTA #CT005	CivaTech Oncology	
93.395	I	22,808	Cancer Treatment Research	9500080216-13C	Children's Hospital of Philadelphia	
93.395	I	48,563	Cancer Treatment Research	GB10232 153173	University of Virginia	
93.395	I	135,197	Cancer Treatment Research	GB10232. 156228	University of Virginia	
93.397	I	7,559	Cancer Centers Support Grants	3210000374-18-308	University of Kentucky Research Foundation	

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<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
93.399	I	42	Cancer Control	N107C ALLIANCE	University of Chicago	
93.551	D	32,607	Abandoned Infants			
93.652	I	9,314	Adoption Opportunities	173405311	University of Wisconsin Board of Regents	
93.652	I	28,381	Adoption Opportunities	183405361	University of Wisconsin Board of Regents	
93.837	D	845,281	Cardiovascular Diseases Research			
93.837	I	785	Cardiovascular Diseases Research	N006187416-UMN CON #65083	Regents of the Univ of Minnesota	
93.837	I	4,667	Cardiovascular Diseases Research	431965-19347	Virginia Polytechnic Institute and State University	
93.837	I	15,604	Cardiovascular Diseases Research	66105170517-ECU	State of Mississippi-University of Mississippi Medical Center	
93.837	I	56,715	Cardiovascular Diseases Research	2033701/RHL124444B	Duke University	
93.837	I	111,103	Cardiovascular Diseases Research	W000934177 PO1001768818	State University of Iowa	
93.837	I	133,478	Cardiovascular Diseases Research	1R41HL133633-01A1	RFPI, LLC	
93.837	I	282,212	Cardiovascular Diseases Research	000511972-002/5UH3HL130691-03	University of Alabama at Birmingham	
93.838	I	808	Lung Diseases Research	9012549 (128373-4) (130129-36)	University of Pittsburgh	
93.838	I	15,613	Lung Diseases Research	SUBAWARD NO 001	COPD Foundation, Inc.	
93.839	I	8,648	Blood Diseases and Resources Research	MUSC17-050-8C868	Med Univ of South Carolina	
93.839	I	51,395	Blood Diseases and Resources Research	FP00003310_SA003	University of Virginia	
93.846	D	702,776	Arthritis, Musculoskeletal and Skin Diseases Research			
93.846	I	170,620	Arthritis, Musculoskeletal and Skin Diseases Research	ZAT00020/1R01AR071263-01	University of Kansas Medical Center Research Inst, Inc.	
93.847	D	1,398,848	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	4,172	Diabetes, Digestive, and Kidney Diseases Extramural Research	32307-13	Augusta University	
93.847	I	6,109	Diabetes, Digestive, and Kidney Diseases Extramural Research	700043-0518-00	Nationwide Children's Hospital	
93.847	I	13,170	Diabetes, Digestive, and Kidney Diseases Extramural Research	330182	Children's Hospital of Philadelphia	
93.847	I	20,992	Diabetes, Digestive, and Kidney Diseases Extramural Research	SUBAWARD NO. 203-7549/DILIN	Duke University	
93.853	D	236,915	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	50,380	Extramural Research Programs in the Neurosciences and Neurological Disorders	00107151/UFDSP00010694	University of Florida	
93.855	D	1,378,794	Allergy and Infectious Diseases Research			
93.855	I	2,501	Allergy and Infectious Diseases Research	0011094B	University of Texas at Houston	
93.855	I	14,962	Allergy and Infectious Diseases Research	GR100603 (CON-80000936)	Yale University	
93.855	I	33,640	Allergy and Infectious Diseases Research	S2017-144	University of Toledo	
93.855	I	40,468	Allergy and Infectious Diseases Research	87251207	University of Southern California	
93.855	I	90,992	Allergy and Infectious Diseases Research	101217-00001	Trustees of Tufts College	
93.855	I	136,439	Allergy and Infectious Diseases Research	DUKE SPS#:199679/157805/210393	Duke University	
93.855	I	167,954	Allergy and Infectious Diseases Research	3210871219/ PO 961879SUB	Children's Hospital of Philadelphia	
93.859	D	375,843	Biomedical Research and Research Training			
93.865	D	543,759	Child Health and Human Development Extramural Research			
93.865	I	721	Child Health and Human Development Extramural Research	199688/TASK 23	Duke University	
93.865	I	21,111	Child Health and Human Development Extramural Research	WFUHS 112761	Wake Forest University Health Sciences	
93.866	I	5,619	Aging Research	ASPREE	Wake Forest University	
93.866	I	18,439	Aging Research	WFUHS 30209/30215/330216/20/21	Wake Forest University	
93.866	I	72,846	Aging Research	WFUHS 115238	Wake Forest University Health Sciences	
93.879	I	14,998	Medical Library Assistance	1600679	University of Maryland	
93.884	D	562,809	Grants for Primary Care Training and Enhancement			
93.918	D	540,016	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease			
93.925	D	608,330	Scholarships for Health Professions Students from Disadvantaged Backgrounds			
93.969	D	792,947	PPHF Geriatric Education Centers			
97.012	I	14,443	Boating Safety Financial Assistance	A18-0077-001	American Canoe Association	
97.012	I	45,444	Boating Safety Financial Assistance	170221	National Safe Boating Council	
		<u>234,998,490</u>	Total — East Carolina University			

**Elizabeth City State University**

12.300	D	18,209	Basic and Applied Scientific Research			
12.630	D	615,410	Basic, Applied, and Advanced Research in Science and Engineering			
14.169	D	2,849	Housing Counseling Assistance Program			
16.525	D	60,339	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
16.560	D	505,205	National Institute of Justice Research, Evaluation, and Development Project Grants			
20.215	D	26,536	Highway Training and Education			
43.008	D	276,455	Education			
47.050	D	(2,049)	Geosciences			
47.070	D	303,144	Computer and Information Science and Engineering			
47.074	I	(139)	Biological Sciences	14-035	University of New Hampshire	



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47.076	I	401,101	Education and Human Resources	GA 10969-141627	University of Virginia	
47.078	I	19,069	Polar Programs	ANT-0424589	University of Kansas	
84.007	D	360,553	Federal Supplemental Educational Opportunity Grants			
84.031	D	4,962,174	Higher Education Institutional Aid			
84.033	D	297,421	Federal Work-Study Program			
84.038	D	(198)	Federal Perkins Loan Program - Federal Capital Contributions			
84.042	D	329,183	TRIO Student Support Services			
84.047	D	340,287	TRIO Upward Bound			
84.063	D	4,525,730	Federal Pell Grant Program			
84.120	D	14,255	Minority Science and Engineering Improvement			
84.268	D	6,935,440	Federal Direct Student Loans			
84.379	D	3,724	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.382	D	206,869	Strengthening Minority-Serving Institutions			
93.859	D	56,376	Biomedical Research and Research Training			
97.062	D	138,434	Scientific Leadership Awards			
		<u>20,396,377</u>	Total — Elizabeth City State University			
<b><u>Fayetteville State University</u></b>						
11.303	D	68,796	Economic Development Technical Assistance			
12.300	D	135,498	Basic and Applied Scientific Research			
12.630	D	397,213	Basic, Applied, and Advanced Research in Science and Engineering			
47.076	D	753,589	Education and Human Resources			
59.044	D	234,065	Veterans Outreach Program			
84.007	D	715,805	Federal Supplemental Educational Opportunity Grants			
84.031	D	4,951,118	Higher Education Institutional Aid			
84.033	D	726,745	Federal Work-Study Program			
84.038	D	2,479,805	Federal Perkins Loan Program - Federal Capital Contributions			
84.042	D	328,697	TRIO Student Support Services			
84.044	D	517,451	TRIO Talent Search			
84.047	D	617,820	TRIO Upward Bound			
84.063	D	16,029,891	Federal Pell Grant Program			
84.066	D	363,411	TRIO Educational Opportunity Centers			
84.120	D	181,844	Minority Science and Engineering Improvement			
84.217	D	223,087	TRIO McNair Post-Baccalaureate Achievement			
84.268	D	30,536,309	Federal Direct Student Loans			
84.334	D	685,187	Gaining Early Awareness and Readiness for Undergraduate Programs			
84.379	D	2,973	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.382	D	105,931	Strengthening Minority-Serving Institutions			
93.243	D	503,718	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.859	D	352,625	Biomedical Research and Research Training			
		<u>60,911,578</u>	Total — Fayetteville State University			
<b><u>North Carolina Agricultural &amp; Technical State University</u></b>						
10.025	D	4,915	Plant and Animal Disease, Pest Control, and Animal Care			
10.205	I	(4,293)	Payments to 1890 Land-Grant Colleges and Tuskegee University	PURCHASE ORDER #U130837	University of Maryland Eastern Shore	
10.206	D	3,847,317	Grants for Agricultural Research Competitive Research Grants			
10.206	D	4,217,278	Grants for Agricultural Research Competitive Research Grants			
10.210	D	56,029	Higher Education - Graduate Fellowships Grant Program			
10.216	D	171,586	1890 Institution Capacity Building Grants			
10.216	D	212,186	1890 Institution Capacity Building Grants			
10.216	I	723	1890 Institution Capacity Building Grants	RD309-129/S000680	University of Georgia	
10.216	I	16,473	1890 Institution Capacity Building Grants	SUBAWARD#:CANFVSU-13-011	Fort Valley State University	
10.217	I	3,112	Higher Education - Institution Challenge Grants Program	60039552	Ohio State University	
10.220	D	3,900	Higher Education - Multicultural Scholars Grant Program			
10.220	D	65,116	Higher Education - Multicultural Scholars Grant Program			
10.250	D	(3,936)	Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations			
10.307	I	3,533	Organic Agriculture Research and Extension Initiative	SUBAWARD NO: 8000064230-AG	Purdue University	
10.307	I	56,439	Organic Agriculture Research and Extension Initiative	SUBAWARD NO: UFDSP00010998	University of Florida	
10.310	D	329,768	Agriculture and Food Research Initiative (AFRI)			

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10.310	I	(6,607)	Agriculture and Food Research Initiative (AFRI)	85000024594	University of Tennessee at Knoxville	
10.310	I	17,144	Agriculture and Food Research Initiative (AFRI)	SUBAWARD NO:8000067017-AG	Purdue University	
10.310	I	33,864	Agriculture and Food Research Initiative (AFRI)	542K452	University of Wisconsin Madison	
10.311	D	(11,236)	Beginning Farmer and Rancher Development Program			
10.443	D	98,234	Outreach and Assistance for Socially Disadvantaged and Veteran Farmers and Ranchers			
10.500	D	314,015	Cooperative Extension Service			
10.500	D	560,554	Cooperative Extension Service			
10.902	D	193,356	Soil and Water Conservation			
10.961	D	34,707	Scientific Cooperation and Research			
10.962	D	20,522	Cochran Fellowship Program-International Training-Foreign Participant			
10.RD	D	(1,271)	U. S. Department of Agriculture			240747
10.RD	D	18,916	U. S. Department of Agriculture			240741
10.RD	I	1,286	U. S. Department of Agriculture	SUBAWARD NO: H006425303	University of Minnesota	280996
10.RD	I	15,874	U. S. Department of Agriculture	LETTER DATED 8/25/2017	Nanodiagnostic Technology, LLC	280983
10.RD	I	21,135	U. S. Department of Agriculture	CONTINGENCY LETTER	University of California at Davis	280860
10.RD	I	42,299	U. S. Department of Agriculture	Subaward NO: RD309-137/S001432	University of Georgia	280970
10.RD	I	45,769	U. S. Department of Agriculture	SUBAWARD NO:ASU330109	Alcorn State University	280897
10.RD	I	49,708	U. S. Department of Agriculture	UMES Subaward Signed 12/12/16	University of Maryland Eastern Shore	280949
10.U02	D	19,542	U. S. Department of Agriculture			240794
10.U03	D	4,587	U. S. Department of Agriculture			240878
10.U04	D	10,648	U. S. Department of Agriculture			240879
10.U05	I	1,314	U. S. Department of Agriculture	RC100236NC	The Regents of the University of Michigan	280670
10.U06	I	(791)	U. S. Department of Agriculture	SUBAWARD NO:CIE-1604-NCAT	Association of Research Directors (ARD), Inc.	280903
11.609	D	9,459	Measurement and Engineering Research and Standards			
12.300	D	1,203,997	Basic and Applied Scientific Research			
12.431	D	382,561	Basic Scientific Research			
12.431	I	4,968	Basic Scientific Research	Z845802	University of Maryland	
12.630	D	449,619	Basic, Applied, and Advanced Research in Science and Engineering			
12.800	D	167,132	Air Force Defense Research Sciences Program			
12.901	D	96,956	Mathematical Sciences Grants			
12.903	D	17,765	GenCyber Grants Program			
12.RD	D	26,427	U. S. Department of Defense			210173
12.RD	D	27,122	U. S. Department of Defense			210205
12.RD	D	42,302	U. S. Department of Defense			210185
12.RD	D	71,813	U. S. Department of Defense			210199
12.RD	D	72,886	U. S. Department of Defense			210188
12.RD	D	196,172	U. S. Department of Defense			210183
12.RD	D	825,069	U. S. Department of Defense			210169
12.RD	D	972,133	U. S. Department of Defense			210158
12.RD	I	(9,645)	U. S. Department of Defense	Departmental Approval In Process	Scientific Research Corporation (SRC)	280809
12.RD	I	(3,666)	U. S. Department of Defense	316091	University of Maryland	280510
12.RD	I	(1,874)	U. S. Department of Defense	11-S590-0004-02-C18	Universal Technology Corporation	280652
12.RD	I	(1,188)	U. S. Department of Defense	MSI STEM R&D #1	MSRDC	280910
12.RD	I	(171)	U. S. Department of Defense	NCAT 16-S7700-03-C2	Clarkson Aerospace	280931
12.RD	I	224	U. S. Department of Defense	SUBK_NC A&T-S01_STEM	General Informatics, Inc.	280866
12.RD	I	370	U. S. Department of Defense	MSI STEM R&D #2	MSRDC	280911
12.RD	I	2,674	U. S. Department of Defense	SUBCONTRACT# P010223357	SAIC	280961
12.RD	I	4,752	U. S. Department of Defense	SUB# NCAT D 18-S7700-04-C2	Clarkson Aerospace	281001
12.RD	I	9,888	U. S. Department of Defense	SUBC NO: NCAT 16-S7700-04-C2	Clarkson Aerospace	280920
12.RD	I	10,885	U. S. Department of Defense	SUBAWARD NO: RSC15001	University of Dayton Research Institute	280841
12.RD	I	14,689	U. S. Department of Defense	SUBCONTRACT/PO #PS180003	Engineering Research and Consulting, Inc.	281010
12.RD	I	16,357	U. S. Department of Defense	SCEEE-17-01	SCEEE	280975
12.RD	I	19,151	U. S. Department of Defense	NCAT K16-S7700-03-C2	Clarkson Aerospace	280952
12.RD	I	19,646	U. S. Department of Defense	WUHS 114178	Wake Forest University Baptist Medical Center	280932
12.RD	I	22,812	U. S. Department of Defense	SUBAWARD NO:A18-0372-S001	University of Tennessee at Chattanooga	281004
12.RD	I	86,043	U. S. Department of Defense	SUB# D01-W911SR-14-2-001-0026	MSRDC	281000
12.RD	I	181,193	U. S. Department of Defense	W911NF1220022	The John Hopkins University	280958
12.RD	I	188,225	U. S. Department of Defense	SUB# D01-W911SR-14-2-0001-0019	MSRDC	280978
12.U03	D	64,776	U. S. Department of Defense			210189
12.U04	I	20,000	U. S. Department of Defense	NCAT-NCASE-15	Morgan State University	280885
14.520	D	(33,245)	Historically Black Colleges and Universities Program			

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16.U01	D	191,625	U. S. Department of Justice			270125
17.U01	D	800,564	U. S. Department of Labor			270121
20.215	D	12,250	Highway Training and Education			
20.215	I	7,455	Highway Training and Education	KCS AGREEMENT DATED 11-15-16	Knox County School Systems	
20.RD	D	925,513	U. S. Department of Transportation			270128
20.RD	I	30,990	U. S. Department of Transportation	TASK ORDER 13-NCA&T-E1	University of Tennessee at Knoxville	280797
20.RD	I	74,380	U. S. Department of Transportation	RC103194NCAT	Michigan State University	280796
20.RD	I	94,101	U. S. Department of Transportation	RF01354864	Ohio State University	280799
20.U01	I	15,992	U. S. Department of Transportation	TASK ORDER 13-NCA&T-E1	University of Tennessee at Knoxville	280797
43.002	I	49,879	Aeronautics	SUBAWARD # 60061599	Ohio State University	
43.RD	I	(64,004)	National Aeronautics and Space Administration	NCAT-03-01	Virginia Polytechnic Institute and State University	280127
43.RD	I	244,213	National Aeronautics and Space Administration	C16-2B00-NCAT, ACTIVITY 3773-N	Virginia Polytechnic Institute and State University	280887
43.U01	I	56,250	National Aeronautics and Space Administration	LETTER DATED 9-23-03	National Action Council for Minorities in Engineering, Inc.	280155
43.U02	I	55,170	National Aeronautics and Space Administration	LSK-NNK14EA01C-NCAT Letter SUB	Millennium Engineering and Integration Company	280802
47.041	D	3,130,545	Engineering Grants			
47.041	I	4,928	Engineering Grants	SUBAWARD NO. C-4966	Florida A&M University	
47.041	I	6,904	Engineering Grants	A13-0112-S0001	University of Tennessee at Knoxville	
47.041	I	173,742	Engineering Grants	SUBGRANT NO. RG314-G1	Georgia Institute of Technology	
47.049	D	170,724	Mathematical and Physical Sciences			
47.049	I	35,357	Mathematical and Physical Sciences	25-0521-0184-022	The University of Nebraska Lincoln	
47.050	D	440,145	Geosciences			
47.070	D	257,570	Computer and Information Science and Engineering			
47.074	D	7,200	Biological Sciences			
47.074	I	19,146	Biological Sciences	SUBAWARD # 2254/200201913	Cary Institute of Ecosystem Studies	
47.074	I	267,297	Biological Sciences	61-2075NC	Michigan State University	
47.075	D	69,930	Social, Behavioral, and Economic Sciences			
47.076	D	2,375,537	Education and Human Resources			
47.076	D	3,511,610	Education and Human Resources			
47.076	I	(19,525)	Education and Human Resources	UF-EIES-1109030-NCA	University of Florida	
47.076	I	2,063	Education and Human Resources	Subaward NO. PU-NCAT-02-2017	Pacific University	
47.076	I	9,532	Education and Human Resources	0007964-1000046713/47258	Howard University	
47.076	I	105,751	Education and Human Resources	SUBAGREEMENT # 332-0252	Duke University	
47.079	D	51,420	Office of International Science and Engineering			
47.081	D	(3,650)	Office of Experimental Program to Stimulate Competitive Research			
47.RD	D	32,027	National Science Foundation			260308
47.RD	D	65,037	National Science Foundation			260314
47.RD	D	77,431	National Science Foundation			260315
47.RD	I	11,300	National Science Foundation	1622866	AxNano, LLC	280928
47.RD	I	31,483	National Science Foundation	SUBCONTRACT # IIP-1353584	Koli Medical	280964
47.RD	I	38,451	National Science Foundation	PHYSICAL DEVICES-1	Physical Devices, Inc.	280955
81.087	D	65,070	Renewable Energy Research and Development			
81.123	D	1,104,119	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program			
81.123	I	295,373	National Nuclear Security Administration (NNSA) Minority Serving Institutions (MSI) Program	SUB AWARD NO: F1040061-14-08	Norfolk State University	
81.RD	I	(2,156)	U. S. Department of Energy	SUBCONTRACT NO: 4000151854	UT Battelle, LLC	280954
81.RD	I	5,348	U. S. Department of Energy	LETTER DATED 01-22-2018	Honeywell Federal Manufacturing & Technologies, LLC	280997
81.RD	I	6,006	U. S. Department of Energy	LETTER DATED 10-19-16	Honeywell International, Inc.	280937
81.RD	I	17,870	U. S. Department of Energy	BOA #532 TOA #267299	Savannah River Nuclear Solutions	280918
81.RD	I	37,430	U. S. Department of Energy	TOA# 0000332974	Savannah River Nuclear Solutions	280987
81.RD	I	98,791	U. S. Department of Energy	TAO#: 0000275746	Savannah River Nuclear Solutions	280947
81.RD	I	122,787	U. S. Department of Energy	TOA# 0000332973	Savannah River Nuclear Solutions	280986
81.U01	I	21,617	U. S. Department of Energy	LETTER DATED 6-12-15	National Nuclear Security Administration	280875
84.007	D	562,573	Federal Supplemental Educational Opportunity Grants			
84.031	D	12,030,385	Higher Education Institutional Aid			
84.033	D	317,980	Federal Work-Study Program			
84.038	D	1,262,102	Federal Perkins Loan Program - Federal Capital Contributions			
84.042	D	309,896	TRIO Student Support Services			
84.044	D	251,110	TRIO Talent Search			
84.047	D	468,141	TRIO Upward Bound			
84.063	D	29,993,809	Federal Pell Grant Program			
84.120	D	264,782	Minority Science and Engineering Improvement			

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84.129	D	271,895	Rehabilitation Long-Term Training			
84.133	I	21,473	National Institute on Disability and Rehabilitation Research	SUBCONTRACT DATED 10/27/2014	Langston University	
84.268	D	91,288,240	Federal Direct Student Loans			
84.325	D	587,288	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.336	D	402,275	Teacher Quality Partnership Grants			
84.379	D	54,817	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
93.113	I	26,397	Environmental Health	Subaward# 1-340-0215502-52722L	Research Triangle Institute (RTI International)	
93.243	I	24	Substance Abuse and Mental Health Services Projects of Regional and National Significance	Subcontract NO:NBCU-CFE 16-17	Morehouse School Of Medicine	
93.243	I	7,539	Substance Abuse and Mental Health Services Projects of Regional and National Significance	Subaward #HBCUCFE.17 -17/18	Morehouse School Of Medicine	
93.286	D	17,864	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.307	I	16,592	Minority Health and Health Disparities Research	HU-150006	Hampton University	
93.307	I	98,236	Minority Health and Health Disparities Research	HU-140004	Hampton University	
93.397	D	254	Cancer Centers Support Grants			
93.732	D	97,388	Mental and Behavioral Health Education and Training Grants			
93.859	D	423,011	Biomedical Research and Research Training			
93.859	D	972,491	Biomedical Research and Research Training			
93.859	I	(730)	Biomedical Research and Research Training	12-NIH-1009	Duke University	
93.866	I	19,396	Aging Research	SUBAWARD NO. 667607	University of Miami	
93.866	I	141,541	Aging Research	SUBAWARD # 667146	University of Miami	
93.RD	I	(1,781)	U. S. Department of Health and Human Services	EMAIL DATED 4/17/17	Heitech Services, Inc.	280967
93.RD	I	326	U. S. Department of Health and Human Services	SUBAWARD NO: 2037138	Duke University	281006
93.RD	I	59,755	U. S. Department of Health and Human Services	1R4ES026916-01	AxNano, LLC	280953
93.RD	I	240,441	U. S. Department of Health and Human Services	SUBAWARD NO:UFDSP00010628	University of Florida	280850
93.U03	D	(9,766)	U. S. Department of Health and Human Services			250227
93.U04	I	8,052	U. S. Department of Health and Human Services	CONTRACT DATED 12/09/17	DHHS OPHS Office on Women's Health (OWH)	280963
97.061	I	(899)	Centers for Homeland Security	X9106025121	US Dept of Commerce	
97.061	I	12,600	Centers for Homeland Security	SUBAWARD NO: 18-484	Arizona State University	
97.077	D	6,658	Homeland Security Research, Development, Testing, Evaluation, and Demonstration of Technologies Related to Nuclear Threat Detection			
97.RD	I	12,497	U. S. Department of Homeland Security	CONTINGENCY FUND 09-13-2017	Arizona State University	280984
98.001	I	28,227	USAID Foreign Assistance for Programs Overseas	SUBAWARD # 2015-06391-02	University of Illinois at Urbana-Champaign	
98.001	I	101,471	USAID Foreign Assistance for Programs Overseas	06-S131628	Texas A&M University	
98.RD	I	20,186	United States Agency for International Development	AGREEMENT # 09-002945-201	University of California at Davis	280926
98.RD	I	26,885	United States Agency for International Development	8000062018-41060000	Purdue University	280828
		171,192,001	Total — North Carolina Agricultural & Technical State University			

**North Carolina Central University**

10.310	D	264,007	Agriculture and Food Research Initiative (AFRI)			
10.855	D	216,479	Distance Learning and Telemedicine Loans and Grants			
12.420	D	70,873	Military Medical Research and Development			
12.431	D	10,672	Basic Scientific Research			
12.630	I	125,209	Basic, Applied, and Advanced Research in Science and Engineering	W911SR-14-0001-0002, D01-W911SR-14-2-0001-0024, W911SR-14-0001	MSI Consortium	
16.525	D	88,008	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
21.008	D	143,275	Low Income Taxpayer Clinics			
45.309	D	28,642	Museum Grants for African American History and Culture			
47.041	D	97,413	Engineering Grants			
47.049	I	315,537	Mathematical and Physical Sciences	12-NSF-1026	Duke University	
47.074	D	49,107	Biological Sciences			
47.076	D	1,574,753	Education and Human Resources			
47.079	I	26,232	Office of International Science and Engineering	13-NSF-1035	Duke University	
81.049	D	216,033	Office of Science Financial Assistance Program			
81.049	I	16,703	Office of Science Financial Assistance Program	12-DOE-1077 (MOD 4)	Duke University	
84.007	D	917,302	Federal Supplemental Educational Opportunity Grants			
84.031	D	1,789,293	Higher Education Institutional Aid			
84.033	D	973,255	Federal Work-Study Program			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
84.038	D	6,908,566	Federal Perkins Loan Program - Federal Capital Contributions			
84.042	D	216,236	TRIO Student Support Services			
84.063	D	21,597,476	Federal Pell Grant Program			
84.066	D	130,830	TRIO Educational Opportunity Centers			
84.120	D	151,411	Minority Science and Engineering Improvement			
84.217	D	132,672	TRIO McNair Post-Baccalaureate Achievement			
84.268	D	93,040,789	Federal Direct Student Loans			
84.305	D	156,662	Education Research, Development and Dissemination			
84.325	D	235,797	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.379	D	15,500	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
93.113	D	41,199	Environmental Health			
93.243	I	349,253	Substance Abuse and Mental Health Services Projects of Regional and National Significance	HBCU CFE 18-17/18, HBCU CFE 16-17/29	Morehouse School of Medicine	
93.273	D	2,016	Alcohol Research Programs			
93.307	I	239,254	Minority Health and Health Disparities Research	HU - 160024	Hampton University	
93.359	D	336,742	Nurse Education, Practice Quality and Retention Grants			
93.364	D	27,534	Nursing Student Loans			
93.393	D	109,181	Cancer Cause and Prevention Research			
93.396	D	263,067	Cancer Biology Research			
93.397	D	262,150	Cancer Centers Support Grants			
93.859	D	1,005,519	Biomedical Research and Research Training			
93.865	I	39,784	Child Health and Human Development Extramural Research	3021051	Duke University	
97.005	I	177,330	State and Local Homeland Security National Training Program	FY16-00097-S01-NCCU	Rural Domestic Preparedness Consortium	
97.062	D	573,801	Scientific Leadership Awards			
		<u>132,935,562</u>	Total — North Carolina Central University			

**North Carolina State University**

10.001	D	1,589,198	Agricultural Research Basic and Applied Research			
10.025	D	7,988	Plant and Animal Disease, Pest Control, and Animal Care			
10.025	D	7,388,273	Plant and Animal Disease, Pest Control, and Animal Care			
10.025	I	1,135	Plant and Animal Disease, Pest Control, and Animal Care	RC106457A	Michigan State University	
10.025	I	3,796	Plant and Animal Disease, Pest Control, and Animal Care	422603-19071	Virginia Polytechnic Institute and State University	
10.025	I	15,480	Plant and Animal Disease, Pest Control, and Animal Care	5693-BBYR4-NC	Rutgers University	
10.025	I	142,553	Plant and Animal Disease, Pest Control, and Animal Care	01-15	Commission For The Eradication	
10.168	D	33,854	Farmers Market Promotion Program			
10.200	I	(651)	Grants for Agricultural Research, Special Research Grants	PO# 1600412030	University of Florida	
10.200	I	6	Grants for Agricultural Research, Special Research Grants	PO1600448835	University of Florida	
10.200	I	719	Grants for Agricultural Research, Special Research Grants	PO# 1800574487	University of Florida	
10.200	I	891	Grants for Agricultural Research, Special Research Grants	SRAC OYSTERS PROJECT	South Reg Aqua Ctr	
10.200	I	1,485	Grants for Agricultural Research, Special Research Grants	PO# 1600472752	University of Florida	
10.200	I	3,277	Grants for Agricultural Research, Special Research Grants	PO1600472771	University of Florida	
10.200	I	4,690	Grants for Agricultural Research, Special Research Grants	PO # 1600470968	University of Florida	
10.200	I	5,143	Grants for Agricultural Research, Special Research Grants	PO 6015-1800575093	University of Florida	
10.200	I	7,000	Grants for Agricultural Research, Special Research Grants	1800575088	University of Florida	
10.200	I	16,350	Grants for Agricultural Research, Special Research Grants	PO # 1600472776	University of Florida	
10.200	I	22,007	Grants for Agricultural Research, Special Research Grants	PO# 1800575092	University of Florida	
10.200	I	24,675	Grants for Agricultural Research, Special Research Grants	PO# 1800574575	University of Florida	
10.200	I	43,288	Grants for Agricultural Research, Special Research Grants	SUBAWARD # UMS-1060	University of Maine	
10.200	I	88,478	Grants for Agricultural Research, Special Research Grants	PO 6015-1800574470	University of Florida	
10.202	D	1,085,578	Cooperative Forestry Research			
10.203	D	9,113,367	Payments to Agricultural Experiment Stations Under the Hatch Act			
10.207	D	46,418	Animal Health and Disease Research			
10.210	D	66,221	Higher Education - Graduate Fellowships Grant Program			
10.212	I	1,098	Small Business Innovation Research	3205-USDA-2S/NCSU	Luna Innovations, Inc.	
10.212	I	28,122	Small Business Innovation Research	3205-USDA-2S/NCSU	Luna Innovations, Inc.	
10.212	I	56,532	Small Business Innovation Research	2016-2154	Grafted Growers, LLC	
10.215	I	(11,963)	Sustainable Agriculture Research and Education	RD309-129/S000732	University of Georgia	
10.215	I	(3,689)	Sustainable Agriculture Research and Education	RD309-134/S001224	University of Georgia	
10.215	I	3	Sustainable Agriculture Research and Education	RD309-122/4940246	University of Georgia	
10.215	I	158	Sustainable Agriculture Research and Education	RD309-125/4940916	University of Georgia	

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For the Fiscal Year Ended June 30, 2018

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
10.215	I	841	Sustainable Agriculture Research and Education	RD309-125/3502028	University of Georgia	
10.215	I	1,566	Sustainable Agriculture Research and Education	RD309-129/S000841	University of Georgia	
10.215	I	9,002	Sustainable Agriculture Research and Education	RD309-137/S001468	University of Georgia	
10.215	I	14,112	Sustainable Agriculture Research and Education	RD309-134/S001172	University of Georgia	
10.215	I	16,169	Sustainable Agriculture Research and Education	RD309-134/S001170	University of Georgia	
10.215	I	28,399	Sustainable Agriculture Research and Education	SUB00001099	University of Georgia	
10.215	I	31,445	Sustainable Agriculture Research and Education	RD309-137/S001404	University of Georgia	
10.215	I	65,819	Sustainable Agriculture Research and Education	RD309-137/S0001421	University of Georgia	
10.215	I	89,131	Sustainable Agriculture Research and Education	RD309-137/S001414	University of Georgia	
10.216	I	39,610	1890 Institution Capacity Building Grants	R000018	Virginia State University	
10.216	I	41,393	1890 Institution Capacity Building Grants	36 12091 367 76190	Tuskegee University	
10.217	D	103,603	Higher Education - Institution Challenge Grants Program			
10.217	I	8,703	Higher Education - Institution Challenge Grants Program	60039552	Ohio State University	
10.219	D	187,122	Biotechnology Risk Assessment Research			
10.219	I	92,418	Biotechnology Risk Assessment Research	M1800642	Texas A&M University	
10.219	I	128,378	Biotechnology Risk Assessment Research	42992-Z5825001	University of Maryland, College Park	
10.220	D	30,581	Higher Education - Multicultural Scholars Grant Program			
10.225	I	1,263	Community Food Projects	SUBAWARD NO. 00005500	Third Sector New England, Inc.	
10.225	I	4,226	Community Food Projects	2015-1669	Third Sector New England, Inc.	
10.250	D	37,048	Agricultural and Rural Economic Research, Cooperative Agreements and Collaborations			
10.290	D	106,755	Agricultural Market and Economic Research			
10.290	I	7,922	Agricultural Market and Economic Research	GTK737-SB-002	University of Idaho	
10.303	I	(1,236)	Integrated Programs	RC101368NCSU	Michigan State University	
10.304	I	11	Homeland Security Agricultural	RC101676NCSU	Michigan State University	
10.304	I	8,564	Homeland Security Agricultural	RC106556C	Michigan State University	
10.304	I	30,077	Homeland Security Agricultural	UFDSP00011542 / P0019073	University of Florida	
10.307	D	164,544	Organic Agriculture Research and Extension Initiative			
10.307	I	(193)	Organic Agriculture Research and Extension Initiative	4821	Rutgers University	
10.307	I	337	Organic Agriculture Research and Extension Initiative	67835-9950	Cornell University	
10.307	I	25,398	Organic Agriculture Research and Extension Initiative	36 22091 410 76190	Tuskegee University	
10.307	I	31,290	Organic Agriculture Research and Extension Initiative	8500028703	University of Tennessee	
10.307	I	39,613	Organic Agriculture Research and Extension Initiative	8000064229-AG	Purdue University	
10.307	I	46,287	Organic Agriculture Research and Extension Initiative	RC293-636/S000867	University of Georgia	
10.307	I	60,715	Organic Agriculture Research and Extension Initiative	8500028703	University of Tennessee	
10.309	D	4,820,865	Specialty Crop Research Initiative			
10.309	I	157	Specialty Crop Research Initiative	06-M1703518	Texas A&M University	
10.309	I	15,386	Specialty Crop Research Initiative	A18-0425-S003-P0671355	University of Cal - Santa Cruz	
10.309	I	39,753	Specialty Crop Research Initiative	79598-10780	Cornell University	
10.309	I	47,146	Specialty Crop Research Initiative	RR644-418/5054526	University of Georgia	
10.309	I	88,747	Specialty Crop Research Initiative	RC107752C	Michigan State University	
10.309	I	188,004	Specialty Crop Research Initiative	UFDSP00011195/00125051	University of Florida	
10.309	I	279,012	Specialty Crop Research Initiative	RC105573NCSU	Michigan State University	
10.310	D	233,573	Agriculture and Food Research Initiative (AFRI)			
10.310	D	6,132,700	Agriculture and Food Research Initiative (AFRI)			
10.310	I	(223,578)	Agriculture and Food Research Initiative (AFRI)	25574 2011-67003-30228	University of Delaware	
10.310	I	(3,726)	Agriculture and Food Research Initiative (AFRI)	UFDSP00010678	University of Florida	
10.310	I	(54)	Agriculture and Food Research Initiative (AFRI)	RC371-291/S001200	University of Georgia	
10.310	I	267	Agriculture and Food Research Initiative (AFRI)	17 009835 A 00	University of Massachusetts	
10.310	I	2,798	Agriculture and Food Research Initiative (AFRI)	422585-19071	Virginia Polytechnic Institute and State University	
10.310	I	4,507	Agriculture and Food Research Initiative (AFRI)	RC299-458/S000769	University of Georgia	
10.310	I	4,737	Agriculture and Food Research Initiative (AFRI)	C00046787-1	University of Missouri - Columbia	
10.310	I	5,442	Agriculture and Food Research Initiative (AFRI)	71304-10173	Cornell University	
10.310	I	5,923	Agriculture and Food Research Initiative (AFRI)	SUBAWARD 562981 PO3781325	University of Pennsylvania	
10.310	I	16,628	Agriculture and Food Research Initiative (AFRI)	416-41-07C	Iowa State University	
10.310	I	16,708	Agriculture and Food Research Initiative (AFRI)	422370-19071	Virginia Polytechnic Institute and State University	
10.310	I	19,573	Agriculture and Food Research Initiative (AFRI)	60044791	Ohio State University	
10.310	I	20,108	Agriculture and Food Research Initiative (AFRI)	718253-712683	Virginia Institute Of Marine	
10.310	I	20,761	Agriculture and Food Research Initiative (AFRI)	RC104967NCSU	Michigan State University	
10.310	I	21,724	Agriculture and Food Research Initiative (AFRI)	S14148	Kansas State University	
10.310	I	25,421	Agriculture and Food Research Initiative (AFRI)	078873-16463	University of Illinois - Urbana	
10.310	I	28,924	Agriculture and Food Research Initiative (AFRI)	16-012	Wake Forest University	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
10.310	I	29,195	Agriculture and Food Research Initiative (AFRI)	16-007995 D 00	University of Massachusetts	
10.310	I	41,301	Agriculture and Food Research Initiative (AFRI)	126319_G003570	Washington State University	
10.310	I	46,734	Agriculture and Food Research Initiative (AFRI)	2015-68004-23179	Pennsylvania State University	
10.310	I	64,494	Agriculture and Food Research Initiative (AFRI)	RC398-139/S000789	University of Georgia	
10.310	I	66,596	Agriculture and Food Research Initiative (AFRI)	UFDSP00011871 P0051625	University of Florida	
10.310	I	88,121	Agriculture and Food Research Initiative (AFRI)	52672-Z5004201	University of Maryland, College Park	
10.310	I	89,662	Agriculture and Food Research Initiative (AFRI)	Z5775007	University of Maryland, College Par	
10.310	I	115,828	Agriculture and Food Research Initiative (AFRI)	8000067418-AG	Purdue University	
10.310	I	128,893	Agriculture and Food Research Initiative (AFRI)	8000053331-AG	Purdue University	
10.310	I	129,658	Agriculture and Food Research Initiative (AFRI)	25-6239-0235-305	University of Nebraska- Lincoln	
10.310	I	162,781	Agriculture and Food Research Initiative (AFRI)	RC105883NCSU	Michigan State University	
10.310	I	173,132	Agriculture and Food Research Initiative (AFRI)	8500022696	University of Tennessee	
10.310	I	189,639	Agriculture and Food Research Initiative (AFRI)	C0490A-A	Oregon State University	
10.310	I	234,397	Agriculture and Food Research Initiative (AFRI)	201223090-03	University of Cal - Davis	
10.310	I	715,366	Agriculture and Food Research Initiative (AFRI)	5197-NCSU-USDA-3179	Pennsylvania State University	
10.311	I	17,367	Beginning Farmer and Rancher Development Program	2017-1680	Southern Appalachian Highland Conservancy	
10.311	I	18,251	Beginning Farmer and Rancher Development Program	545943-19071	Virginia Polytechnic Institute and State University	
10.312	I	298,821	Biomass Research and Development Initiative Competitive Grants Program (BRDI)	PO#14951	North Carolina Biotechnology Center	
10.320	I	38,571	Sun Grant Program	8500047865	University of Tennessee	
10.320	I	103,284	Sun Grant Program	8500047866	University of Tennessee	
10.328	I	9,710	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	9500061989	University of Tennessee	
10.328	I	13,629	National Food Safety Training, Education, Extension, Outreach, and Technical Assistance Competitive Grants Program	UFDSP00011138 / 00125142	University of Florida	
10.329	D	92,921	Crop Protection and Pest Management Competitive Grants Program			
10.329	D	300,547	Crop Protection and Pest Management Competitive Grants Program			
10.329	D	1,067,766	Crop Protection and Pest Management Competitive Grants Program			
10.329	I	11,508	Crop Protection and Pest Management Competitive Grants Program	RF330-503/8644617	University of Georgia	
10.329	I	16,930	Crop Protection and Pest Management Competitive Grants Program	76523-10612	Cornell University	
10.329	I	29,312	Crop Protection and Pest Management Competitive Grants Program	1978-207-2012255	Clemson University	
10.330	I	17,583	Alfalfa and Forage Research Program	8500046909	University of Tennessee	
10.336	D	13,186	Veterinary Services Grant Program			
10.351	D	11,742	Rural Business Development Grant			
10.500	D	399,814	Cooperative Extension Service			
10.500	D	1,645,749	Cooperative Extension Service			
10.500	D	11,380,466	Cooperative Extension Service			
10.500	I	(2,049)	Cooperative Extension Service	RE675-171/4944686	University of Georgia	
10.500	I	(1,520)	Cooperative Extension Service	S14018	Kansas State University	
10.500	I	10	Cooperative Extension Service	S12065	Kansas State University	
10.500	I	2,227	Cooperative Extension Service	21666-08	University of Arkansas	
10.500	I	4,320	Cooperative Extension Service	S17134	Kansas State University	
10.500	I	4,992	Cooperative Extension Service	21667-05	University of Arkansas	
10.500	I	9,677	Cooperative Extension Service	21666-12	University of Arkansas	
10.500	I	12,151	Cooperative Extension Service	C00055873-8	Curators Of Univ Of Missouri	
10.500	I	18,282	Cooperative Extension Service	SUBAWARD NO.21667-16	University of Arkansas	
10.500	I	23,933	Cooperative Extension Service	S16016	Kansas State University	
10.500	I	70,080	Cooperative Extension Service	5559-NCSU-UM-9802	Pennsylvania State University	
10.500	I	130,588	Cooperative Extension Service	S18041	Kansas State University	
10.500	I	415,809	Cooperative Extension Service	RC105427NCSU	Michigan State University	
10.545	D	42,290	Farmers' Market Supplemental Nutrition Assistance Program Support Grants			
10.652	D	48,311	Forestry Research			
10.652	D	112,129	Forestry Research			
10.664	D	10,288	Cooperative Forestry Assistance			
10.664	D	29,125	Cooperative Forestry Assistance			
10.674	D	15,608	Wood Utilization Assistance			
10.674	D	81,929	Wood Utilization Assistance			
10.676	D	172,668	Forest Legacy Program			
10.680	D	49,804	Forest Health Protection			
10.684	D	11,416	International Forestry Programs			
10.699	D	205,791	Partnership Agreements			
10.699	D	894,008	Partnership Agreements			
10.777	D	33,216	Norman E. Borlaug International Agricultural Science and Technology Fellowship			

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
10.868	D	25,333	Rural Energy for America Program			
10.890	I	21,868	Rural Development Cooperative Agreement Program	018000.340677.06	Mississippi State University	
10.903	D	28,911	Soil Survey			
10.903	D	35,055	Soil Survey			
10.912	D	694,100	Environmental Quality Incentives Program			
10.912	I	33,679	Environmental Quality Incentives Program	68-F352-17-265	Puerto Rico Nrcs	
10.960	D	17,535	Technical Agricultural Assistance			
10.962	D	194,389	Cochran Fellowship Program-International Training-Foreign Participant			
10.RD	D	57,061	U. S. Department of Agriculture			17-JV-11272138-069
10.RD	I	(7,465)	U. S. Department of Agriculture	PO#1600474749	University of Florida	PO#1600474749
10.RD	I	(20)	U. S. Department of Agriculture	#13-052	Land of Sky Regional Council	11.307, 10.446, 23.011, 10.773
10.RD	I	511	U. S. Department of Agriculture	PO# I6 13800 00	Iowa State University	POI61380000
10.RD	I	4,725	U. S. Department of Agriculture	PURCHASE ORDER 1600473364	University of Florida	PO#1600473364
10.RD	I	5,892	U. S. Department of Agriculture	201700387-02-NCSU-BATTS	University of Cal - Davis	SPO#201700387
10.RD	I	12,000	U. S. Department of Agriculture	PO 1800588179	University of Florida	PO#1800588179
10.RD	I	14,575	U. S. Department of Agriculture	1600472676	University of Florida	PO#1600472676
10.RD	I	30,396	U. S. Department of Agriculture	E17-99	U.S. Endow For Forest & Communities Inc.	16-JV-11111136-094
10.RD	I	64,159	U. S. Department of Agriculture	1-312-0216148-65141L	Research Triangle Institute (RTI International)	USDAFSISAG3A94D160138
10.RD	I	74,302	U. S. Department of Agriculture	E17-05	U.S. Endow For Forest & Communities Inc.	16-JV-11111106-053
10.RD	I	88,909	U. S. Department of Agriculture	534667	Found. For Food & Agri. Res	534667
10.RD	I	366,135	U. S. Department of Agriculture	1-312-0215472-52847L	Research Triangle Institute (RTI International)	USDAFSISAG3A94D160130
11.012	I	6,342	Integrated Ocean Observing System (IOOS)	IOOS.16(028)NCSU.RH.GLD.1	SECOORA	
11.012	I	144,625	Integrated Ocean Observing System (IOOS)	IOOS.16(028)NCSU.RH.MOD.1	SECOORA	
11.020	I	19,658	Cluster Grants	343-0586	Duke University	
11.307	I	19,805	Economic Adjustment Assistance	04-79-06686	North Carolina Rural Economic Development Center, Inc	
11.417	D	331,361	Sea Grant Support			
11.417	D	1,141,652	Sea Grant Support			
11.417	I	3,446	Sea Grant Support	D004196857	University of Minnesota	
11.427	D	208,345	Fisheries Development and Utilization Research and Development Grants and Cooperative			
11.431	I	1,224	Climate and Atmospheric Research	R/ECC-1A	South Carolina Sea Grant Consortium	
11.431	I	8,920	Climate and Atmospheric Research	18-3421/USC NO.13540-FB40	University of South Carolina	
11.431	I	9,414	Climate and Atmospheric Research	Z17-28290	University Corporation Atmospheric Research	
11.431	I	9,808	Climate and Atmospheric Research	S150208	Texas A&M University	
11.431	I	55,469	Climate and Atmospheric Research	18-3399	University of South Carolina	
11.432	I	2,040	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	3003712268	University of Michigan	
11.432	I	4,931,841	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	13342-Z7812001	University of Maryland, College Park	
11.454	D	46,633	Unallied Management Projects			
11.459	D	90,190	Weather and Air Quality Research			
11.468	D	187,445	Applied Meteorological Research			
11.468	I	2,893	Applied Meteorological Research	TASK ORDER#2018-2960	Synoptic Data	
11.472	I	67,165	Unallied Science Program	A70-01	North Pacific Research Board	
11.478	D	148,520	Center for Sponsored Coastal Ocean Research Coastal Ocean Program			
11.609	D	2,904	Measurement and Engineering Research and Standards			
11.611	D	3,774,150	Manufacturing Extension Partnership			
11.611	I	60,779	Manufacturing Extension Partnership	70NANB17H304-DEMEP001	Delaware Tech Cc	
11.619	I	253	Arrangements for Interdisciplinary Research Infrastructure	NIIMBLSP1.0-2 GENETHERAPY	NIIMBL - University Of Delaware	
11.619	I	4,836	Arrangements for Interdisciplinary Research Infrastructure	S 1266-15A	Youngstown State University	
11.619	I	686,449	Arrangements for Interdisciplinary Research Infrastructure	SUBAWARD # 45781	University of Delaware	
11.620	D	5,500	Science, Technology, Business and/or Education Outreach			
11.620	D	14,738	Science, Technology, Business and/or Education Outreach			
11.RD	I	95,388	U. S. Department of Commerce	UTA13-000443	University Of Texas - Austin	UTA13-000443
11.RD	I	102,592	U. S. Department of Commerce	TASK ORDER#2017-2967	Synoptic Data	TASK ORDER#2017-2967
11.U01	I	531	U. S. Department of Commerce	SA15-NCSU01	Global Science & Technology	SA15-NCSU01
11.U02	I	22,369	U. S. Department of Commerce	PO#2000030024 13540-FB40	University of South Carolina	PO#2000030024 13540-FB40
12.002	D	425,764	Procurement Technical Assistance For Business Firms			
12.300	D	2,643,725	Basic and Applied Scientific Research			
12.300	I	7,174	Basic and Applied Scientific Research	07-S140728	Texas A&M University	
12.300	I	24,073	Basic and Applied Scientific Research	M1800375	Texas A&M Agrilife Research	
12.300	I	46,993	Basic and Applied Scientific Research	17-206	Arizona State University	
12.300	I	72,378	Basic and Applied Scientific Research	W9126G-17-2-0025	Cooperative Ecosystem Studies	
12.300	I	103,052	Basic and Applied Scientific Research	W9126G-12-2-0051	Cooperative Ecosystem Studies	



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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
12.351	D	185,060	Scientific Research - Combating Weapons of Mass Destruction			
12.351	I	18,403	Scientific Research - Combating Weapons of Mass Destruction	UNIV59846	Vanderbilt University	
12.355	D	163,243	Pest Management and Vector Control Research			
12.360	D	213,666	Research on Chemical and Biological Defense			
12.420	D	86,983	Military Medical Research and Development			
12.420	I	35,439	Military Medical Research and Development	R19191	Rice University	
12.420	I	46,803	Military Medical Research and Development	C16J12288 (J00244)	Yale University	
12.420	I	89,555	Military Medical Research and Development	C16J12325 (J00246)	Yale University	
12.420	I	162,783	Military Medical Research and Development	GG12011 154266	University of Virginia	
12.431	D	6,594	Basic Scientific Research			
12.431	D	4,742,719	Basic Scientific Research			
12.431	I	(2,278)	Basic Scientific Research	W911NF-12-2-0064/15-001	Cree, Inc.	
12.431	I	1,500	Basic Scientific Research	14-ARO-1099	Duke University	
12.431	I	36,477	Basic Scientific Research	X16-8327-NCSU	National Institute of Aerospace	
12.431	I	54,622	Basic Scientific Research	10593502	University of Southern California	
12.431	I	124,124	Basic Scientific Research	0160 G UA560	University of California-Los Angeles	
12.579	I	(6)	Language Training Center	2603-NCSU-6-LTC-LT4-PO2	Institute Of Int'L Education	
12.579	I	62,944	Language Training Center	2603-NCSU-6-LTC-052-PO5	Institute Of Int'L Education	
12.579	I	897,922	Language Training Center	#2603-NCSU-6-LTC-052-PO6	Institute Of Int'L Education	
12.617	D	1,448,450	Economic Adjustment Assistance for State Governments			
12.630	D	387,140	Basic, Applied, and Advanced Research in Science and Engineering			
12.630	I	14,692	Basic, Applied, and Advanced Research in Science and Engineering	001	Afoa	
12.630	I	15,528	Basic, Applied, and Advanced Research in Science and Engineering	15-16-08 / 0220160017	Dmdii	
12.750	I	79	Uniformed Services University Medical Research Projects	3967 (PO #916153)	Henry M Jackson Foundation	
12.800	D	2,886,822	Air Force Defense Research Sciences Program			
12.800	I	(11)	Air Force Defense Research Sciences Program	10008276-NCSU	Bowling Green State University	
12.800	I	21,512	Air Force Defense Research Sciences Program	15-698	Arizona State University	
12.800	I	30,021	Air Force Defense Research Sciences Program	X16-9280-NCSU	National Institute of Aerospace	
12.800	I	38,490	Air Force Defense Research Sciences Program	085341-16309	University of Illinois- Urbana	
12.800	I	86,538	Air Force Defense Research Sciences Program	450477-19071	Virginia Polytechnic Institute and State University	
12.800	I	237,756	Air Force Defense Research Sciences Program	5011-NCSU-AFOSR-0067	Pennsylvania State University	
12.901	D	9,915	Mathematical Sciences Grants			
12.902	D	2,094,433	Information Security Grants			
12.902	D	8,559,857	Information Security Grants			
12.905	D	113,501	CyberSecurity Core Curriculum			
12.910	D	3,300,388	Research and Technology Development			
12.910	I	45,587	Research and Technology Development	A005959601	University of Minnesota	
12.910	I	64,248	Research and Technology Development	00009160	University of Cal- Berkeley	
12.910	I	142,956	Research and Technology Development	W911NF-16-1-0341	Profusa, Inc.	
12.910	I	194,701	Research and Technology Development	2016-2194	Profusa, Inc.	
12.910	I	229,937	Research and Technology Development	N/A	Massachusetts General Hospital	
12.910	I	1,202,004	Research and Technology Development	60060483	Ohio State University	
12.RD	I	(2,903)	U. S. Department of Defense	210-001-2015-NCSU	Institute For Wildlife Studies	W912HQ-15-C-0051
12.RD	I	(2,339)	U. S. Department of Defense	CVI7008-01	Control Vision, Inc.	CVI7008-01
12.RD	I	(2,025)	U. S. Department of Defense	TO# 2017-0460	Imagineoptix Corp	FA8650-15-C-1859
12.RD	I	(553)	U. S. Department of Defense	342901NCSU	Luna Innovations, Inc.	W911QY-16-P-0273
12.RD	I	(176)	U. S. Department of Defense	2016-2036	Metacomp Technologies, Inc.	FA8650-16-P-2764
12.RD	I	119	U. S. Department of Defense	2014-0517	Energy-To-Power Solutions(E2p)	FA8650-12-M-2252
12.RD	I	727	U. S. Department of Defense	20160213	CFD Research Corporation (CFDRC)	W81XWH-14-C-0034
12.RD	I	1,427	U. S. Department of Defense	PO #2009-NCS1404	Sa Photonics	W911SR-14-C-0016
12.RD	I	1,510	U. S. Department of Defense	2016-SC003	Coherent Technical Serv, Inc.	N68335-16-C-0264
12.RD	I	2,033	U. S. Department of Defense	2014-2227	Computational Sciences, LLC	W911NF-11-C-0245
12.RD	I	2,056	U. S. Department of Defense	2017-1328	Adroit Materials, Inc.	W911NF-16-P-0038
12.RD	I	2,779	U. S. Department of Defense	S-001542.11.NCSU	Applied Research Assoc. (Ara)	W911NF-12-C-0067
12.RD	I	3,198	U. S. Department of Defense	1003025.0025	Ecology And Environment, Inc.	Great Klakes Restoration
12.RD	I	6,168	U. S. Department of Defense	W912HQ18C0013	Strategic Environmental Research & Dev Program	W912HQ18C0013
12.RD	I	6,265	U. S. Department of Defense	207SCH604	Portland State University	W912HQ-18-C-0027
12.RD	I	9,864	U. S. Department of Defense	2016-2035	Radiabeam Technologies, LLC	N00253-16-P-1261
12.RD	I	11,176	U. S. Department of Defense	TSI-2515-17-106536	Triton Systems, Inc.	FA9101-17-P-0095
12.RD	I	13,475	U. S. Department of Defense	1031-NCSU 1707	Sa Photonics	N00014-16-P-3045
12.RD	I	14,994	U. S. Department of Defense	2016-3075	Adroit Materials, Inc.	N-68936-16-C-0059

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12.RD	I	16,774	U. S. Department of Defense	342902NCSU	Luna Innovations, Inc.	W911QY-18-C-0003
12.RD	I	17,700	U. S. Department of Defense	88906	Creare, Inc.	N68335-17-C-0405
12.RD	I	18,350	U. S. Department of Defense	CV17007-01	Control Vision, Inc.	FA8650-14-C-2434
12.RD	I	19,580	U. S. Department of Defense	114-01	Sys Mat'L Res Corp, Smrc	SP4701-17-P-0049
12.RD	I	20,358	U. S. Department of Defense	1049-NCSU 1802	Sa Photonics	W911SR-18-C-0005
12.RD	I	22,953	U. S. Department of Defense	DSC5035	Macaulay-Brown, Inc.	FA8650-11-D-1004
12.RD	I	23,314	U. S. Department of Defense	2018-0858	Adroit Materials, Inc.	15-082-01-39
12.RD	I	25,223	U. S. Department of Defense	30668	Advanced Cooling Technologies	H999917P0060
12.RD	I	26,238	U. S. Department of Defense	SA-NCSU-3767	Strategic Analysis, Inc.	W911NF-12-C-0035
12.RD	I	28,434	U. S. Department of Defense	1103	Perceptronics Solutions	W31P4Q-17-C-0143
12.RD	I	29,024	U. S. Department of Defense	N/A	Perceptronics Solutions	W81XWH-17-C-0192
12.RD	I	29,150	U. S. Department of Defense	349001NCSU	Luna Innovations, Inc.	W911QY-17-P-0129
12.RD	I	29,520	U. S. Department of Defense	2017-0987	Nano Terra, Inc.	W911W6-17-C-0030
12.RD	I	35,621	U. S. Department of Defense	2017-SC003	Coherent Technical Serv, Inc.	N68335-18-C-0007
12.RD	I	35,974	U. S. Department of Defense	S-140-040-002	Ues, Inc.	N6833517C0326
12.RD	I	38,976	U. S. Department of Defense	DSC3130-01	Macaulay-Brown, Inc.	FA8075-14-D-0019
12.RD	I	43,919	U. S. Department of Defense	K002216-00-S01	Kitware, Inc.	W911NF-17-P-0038
12.RD	I	46,452	U. S. Department of Defense	17-0128-24-6103	Dignitas Technologies, LLC	N61340-14-C-6103
12.RD	I	48,026	U. S. Department of Defense	17-0228-24-6103	Dignitas Technologies, LLC	N61340-14-C-6103
12.RD	I	51,221	U. S. Department of Defense	541168 / US001-0000541168	Battelle Memorial Institute	W911NF-11-D-0001
12.RD	I	57,713	U. S. Department of Defense	1990443-376508	Carnegie Mellon University	W911QY-17-C-0021
12.RD	I	59,885	U. S. Department of Defense	W911NF-17-P-0053	Storageenergy Tech, Inc.	W911NF-17-P-0053
12.RD	I	60,521	U. S. Department of Defense	SOT-NCSU-CRIA-16-01	Orsa Technologies, LLC	W900K-15-C-0027
12.RD	I	66,532	U. S. Department of Defense	W912HQ-17-C-0028	Strategic Environmental Research & Dev Program	W912HQ-17-C-0028
12.RD	I	68,093	U. S. Department of Defense	2018-0174	Vadum, Inc.	W911NF-17-C-0086
12.RD	I	70,989	U. S. Department of Defense	TS16-16-61-001	Taitech, Inc.	FA8650-14-D-2316
12.RD	I	89,254	U. S. Department of Defense	CV17010-01	Control Vision, Inc.	FA8650-16-C-2717
12.RD	I	90,890	U. S. Department of Defense	XO200A-A	Oregon State University	W912HQ17C00482
12.RD	I	92,590	U. S. Department of Defense	2016-0408	Adroit Materials, Inc.	W56KGU-15-C-0052
12.RD	I	99,914	U. S. Department of Defense	2016-0630	Firstpass Engineering	N00014-14-C-0033
12.RD	I	102,527	U. S. Department of Defense	4315-1	Maxentric Technologies, LLC	W31P4Q-17-C-0020
12.RD	I	131,548	U. S. Department of Defense	2017-1403	Nia Diagnostics, LLC.	W911NF-17-C-0025
12.RD	I	138,255	U. S. Department of Defense	108781SB3J	Booz Allen Hamilton, Inc.	FA8650-12-D-3211
12.RD	I	165,318	U. S. Department of Defense	2017-0194	Adroit Materials, Inc.	W911NF-16-C-0101
12.RD	I	205,683	U. S. Department of Defense	2016-2913	Calabazas Creek Research, Inc.	N00253-16-C-002
12.RD	I	218,166	U. S. Department of Defense	15-0459	Brigham Young University	W900KK-15-C-0028
12.U05	D	11,250	U. S. Department of Defense			W912PM-16-T-0049
12.U06	I	2,880	U. S. Department of Defense	1486	Small Business Group, Inc.	W912HN-12-D-0024
12.U07	I	1,610	U. S. Department of Defense	S-001542.08.NCSU	Applied Research Assoc. (Ara)	W911NF-12-C-0067
13.RD	D	113,458	U.S. Central Intelligence Agency			2014-14082600004
14.906	D	30,105	Healthy Homes Technical Studies Grants			
14.RD	I	24,229	U. S. Department of Housing and Urban Development	2013-5-35 MBE	A.P. Sloan Found.	2013-5-35 MBE
15.232	D	128,266	Wildland Fire Research and Studies			
15.605	I	14,627	Sport Fish Restoration	2016-000069	Puerto Rico Denr	
15.605	I	49,324	Sport Fish Restoration	2016-000069-A	Puerto Rico Denr	
15.611	I	(3,559)	Wildlife Restoration and Basic Hunter Education	2015-000141	Puerto Rico Denr	
15.611	I	115,122	Wildlife Restoration and Basic Hunter Education	2016-000092	Puerto Rico Denr	
15.650	D	29,711	Research Grants (Generic)			
15.663	I	325,792	National Fish and Wildlife Foundation	8020.16.054141	National Fish and Wildlife Foundation	
15.669	D	38,187	Cooperative Landscape Conservation			
15.674	D	2,019	National Fire Plan-Wildland Urban Interface Community Fire Assistance			
15.678	D	21,023	Cooperative Ecosystem Studies Units			
15.805	D	44	Assistance to State Water Resources Research Institutes			
15.805	D	143,830	Assistance to State Water Resources Research Institutes			
15.807	D	28,926	Earthquake Hazards Program Assistance			
15.808	D	158,417	U.S. Geological Survey Research and Data Collection			
15.810	D	16,604	National Cooperative Geologic Mapping			
15.812	D	16,741	Cooperative Research Units			
15.812	D	1,035,772	Cooperative Research Units			
15.820	D	1,221,747	National and Regional Climate Adaptation Science Centers			
15.945	D	518,483	Cooperative Research and Training Programs - Resources of the National Park System			

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15.954	D	107,913	National Park Service Conservation, Protection, Outreach, and Education			
15.RD	I	16,929	U. S. Department of Interior	NCOUA101339072017	Nature Conservancy	F12AC01516
16.026	I	30,859	OVW Research and Evaluation Program	F-FY17-82-058	Center For Court Innovations	
16.560	D	328,604	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.560	I	42,845	National Institute of Justice Research, Evaluation, and Development Project Grants	5-321-0215513-52954L	Research Triangle Institute (RTI International)	
16.U02	I	55,817	U. S. Department of Justice	13-321-0215513-65112L	Research Triangle Institute (RTI International)	2016-MU-BX-K110
17.502	D	75,279	Occupational Safety and Health Susan Harwood Training Grants			
19.009	I	15,557	Academic Exchange Programs - Undergraduate Programs	CBG-2016-R2-06	Partners of the Americas Found	
19.040	I	7,014	Public Diplomacy Programs	100K-292COL-3	Partners of the Americas Found	
19.040	I	12,619	Public Diplomacy Programs	100K-292COL-3	Partners of the Americas Found	
19.401	I	4,601	Academic Exchange Programs - Scholars	FS17_NCSU_JFDP	Institute Of Int'L Education	
19.401	I	63,885	Academic Exchange Programs - Scholars	FS16-NCSU_JFDP-4.1.17-11.	Institute Of Int'L Education	
20.200	D	17,729	Highway Research and Development Program			
20.205	I	(61)	Highway Planning and Construction	N/A	City Of Durham	
20.205	I	(44)	Highway Planning and Construction	58285	City Of Raleigh	
20.205	I	4,237	Highway Planning and Construction	2016-3203	City Of Durham	
20.205	I	7,481	Highway Planning and Construction	PO 72988	City Of Raleigh	
20.205	I	28,633	Highway Planning and Construction	60049100	Ohio State University	
20.205	I	112,786	Highway Planning and Construction	14983 / FY 2017 / 2018	City Of Durham	
20.609	I	16,607	Safety Belt Performance Grants	DTNH2216C00025 / 2016-014	Toxcel, LLC	
20.701	I	35,928	University Transportation Centers Program	UFDSP00011674	University of Florida	
20.701	I	52,305	University Transportation Centers Program	5893-Z9600001	University of Maryland	
20.701	I	104,508	University Transportation Centers Program	5893-Z9600001	University of Maryland, College Park	
20.RD	D	136,129	U. S. Department of Transportation			DTFH6117C00037
20.RD	I	(584)	U. S. Department of Transportation	19419 / 11074	Kittelson & Associates, Inc.	FHWA-HOP-14-008
20.RD	I	42	U. S. Department of Transportation	20PO002036	Louis Berger Group, Inc.	2001739.006
20.RD	I	1,346	U. S. Department of Transportation	TDMNCSU17	Triangle J Council of Government	TDMNCSU17 (USDOT)
20.RD	I	4,561	U. S. Department of Transportation	90975	North Carolina Capital Area Metropolitan Planning Organization	90975
20.RD	I	7,374	U. S. Department of Transportation	AMEND. #4 / UFDAP00011674	University of Florida	UFDSP00011674
20.RD	I	10,216	U. S. Department of Transportation	AMEND. #2 / UFDSP00011674	University of Florida	UFDSP00011674
20.RD	I	13,046	U. S. Department of Transportation	AMEND 3 / UFDSP00011674	University of Florida	UFDSP00011674
20.RD	I	15,537	U. S. Department of Transportation	18135_11074	Kittelson & Associates, Inc.	DTFH61-12-D-00049
20.RD	I	20,138	U. S. Department of Transportation	AMEND #5 / UFDSP00011674	University of Florida	UFDSP00011674
20.RD	I	22,945	U. S. Department of Transportation	HR-03-113	National Academy of Sciences	DTFH61-13-H-00024
20.RD	I	36,644	U. S. Department of Transportation	HR 09-54	National Academy of Sciences	DTFH61-13-H-00024
20.RD	I	38,100	U. S. Department of Transportation	2016-015	Toxcel, LLC	DTNH2217F00153
20.RD	I	42,462	U. S. Department of Transportation	TDMNCSU18	Triangle J Council of Government	TDMNCSU18 (USDOT)
20.RD	I	59,572	U. S. Department of Transportation	02563019	Alaska Dot	4000(161)
20.RD	I	73,467	U. S. Department of Transportation	25183004	Alaska Dot	HFHWY00089
20.RD	I	79,511	U. S. Department of Transportation	025-5-1-042	Alaska Dot	4000(142)
20.RD	I	80,328	U. S. Department of Transportation	02563018	Alaska Dot	4000(162)
20.RD	I	80,402	U. S. Department of Transportation	P010196045	Leidos, Inc. (Formerly Saic)	HRDO432016037
20.RD	I	99,682	U. S. Department of Transportation	DTPH5616C00001	Pipeline & Hazardous Materials	DTPH5616C00001
20.RD	I	106,862	U. S. Department of Transportation	HR 03-113 / SUB0000490	National Academy of Sciences	DTFH61-13-H-00024
20.RD	I	199,179	U. S. Department of Transportation	S-001986-NCSU-00 14-00560	Applied Research Assoc. (Ara)	DTFH61-13-C-00025
20.U02	D	36,348	U. S. Department of Transportation			DTFH6117P00061
20.U03	I	156,148	U. S. Department of Transportation	17-087	Go Triangle	17-087
20.U04	I	(61)	U. S. Department of Transportation	2015-3239/15-042	Go Triangle	15-042
20.U05	I	295	U. S. Department of Transportation	5007 / 4552FHWA-NCSU-1	The Cadmus Group, Inc.	DTFH61-11-D-00031
20.U06	I	10,574	U. S. Department of Transportation	DTNH2216D00018 / 2018-003	Toxcel, LLC	DTNH2216RQ-00935
43.001	D	783,162	Science			
43.001	I	(8,519)	Science	GO5-16069A	Smithsonian Astrophys Observatory	
43.001	I	1,351	Science	RR176-308/S001031	University of Georgia	
43.001	I	5,543	Science	4500002641	Boston University	
43.001	I	13,985	Science	15-PHY-209376-NCSU	Auburn University	
43.001	I	14,946	Science	GO6-17071X	Smithsonian Astrophys Observatory	
43.001	I	25,695	Science	Z16-85732	University Corporation Atmospheric Research	
43.001	I	34,277	Science	RR100-633/4944176	University of Georgia	
43.001	I	37,751	Science	73175/SOMAS	State University of New York	
43.001	I	43,475	Science	GO6-17062X	Smithsonian Astrophys Observatory	
43.001	I	46,633	Science	NNX16AN91G	Goddard Space Flight Center	

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43.001	I	46,788	Science	GO6-17070X	Smithsonian Astrophys Observatory	
43.001	I	125,792	Science	18802	University of Massachusetts	
43.002	I	478,078	Aeronautics	17-3379	University of South Carolina	
43.003	D	171,163	Exploration			
43.007	D	114,421	Space Operations			
43.008	D	36,739	Education			
43.008	D	739,340	Education			
43.008	I	6,618	Education	C15-2B00-NCSU 4511-NCSU	National Institute of Aerospace	
43.008	I	12,758	Education	C15-2B00-NCSU 4504-NCSU	National Institute of Aerospace	
43.008	I	30,134	Education	49A24-A	NY City College Of Technology	
43.008	I	44,638	Education	C15-2B00-NCSU 401003-NCSU	National Institute of Aerospace	
43.009	D	11,011	Cross Agency Support			
43.012	D	41,039	Space Technology			
43.RD	D	142,746	National Aeronautics and Space Administration			NNX16AL68G
43.RD	I	(74)	National Aeronautics and Space Administration	NCSU-03-01-4502-NC	National Institute of Aerospace	NNL13AA08B
43.RD	I	1,290	National Aeronautics and Space Administration	SOF 04-0167 BORKOWSKI	University Space Research Association	SOF 04-0167 BORKOWSKI
43.RD	I	1,959	National Aeronautics and Space Administration	NCSU-03-01-2A41-NC	National Institute of Aerospace	NNL13AA08B
43.RD	I	3,357	National Aeronautics and Space Administration	341201NCSU	Luna Innovations, Inc.	NNX16CJ51P
43.RD	I	8,821	National Aeronautics and Space Administration	C15-2B00-NCSU 401004-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	9,684	National Aeronautics and Space Administration	HST-AR-13884.004-A	Space Telescope Science Institute	HST-AR-13884.004-A
43.RD	I	10,483	National Aeronautics and Space Administration	C15-2B00-NCSU-2B35-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	15,220	National Aeronautics and Space Administration	C15-2B00-NCSU-2D16-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	16,387	National Aeronautics and Space Administration	RR176-303/S000861	University of Georgia	NNZ14AR89G
43.RD	I	17,662	National Aeronautics and Space Administration	DTM-3250-1248 (PHASE E)	Carnegie Inst. Of Wash.	DTM-3250-1248
43.RD	I	28,716	National Aeronautics and Space Administration	2016-2954	Third Floor Material	NNX16CL65P
43.RD	I	41,647	National Aeronautics and Space Administration	C15-2B00-NCSU 2B43-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	47,663	National Aeronautics and Space Administration	C15-2B00-NCSU-201087-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	78,040	National Aeronautics and Space Administration	C15-2B00-NCSU-3774-NCSU	National Institute of Aerospace	NNL13AA08B
43.RD	I	161,370	National Aeronautics and Space Administration	C15-2B00-NCSU 301003-NCSU	National Institute of Aerospace	NNL13AA08B
45.129	I	(2,648)	Promotion of the Humanities Federal/State Partnership	2013-0775	Friedrich Schiller University	
45.129	I	11,409	Promotion of the Humanities Federal/State Partnership	GRANT # 17-32	North Carolina Humanities Council	
45.161	D	12,055	Promotion of the Humanities Research			
45.169	D	116,005	Promotion of the Humanities Office of Digital Humanities			
45.312	D	64,561	National Leadership Grants			
45.312	I	21,272	National Leadership Grants	505135-78050	Northeastern University	
45.U01	I	6,687	Federal Council on the Arts and the Humanities	2015-1498	South Arts	NCSU Dance Touring Initiative
47.041	D	320,034	Engineering Grants			
47.041	D	16,205,478	Engineering Grants			
47.041	I	1,804	Engineering Grants	28250-04301-S19	Syracuse University	
47.041	I	2,590	Engineering Grants	S1863P-A	Oregon State University	
47.041	I	3,357	Engineering Grants	2017-1295	Applied Lifesciences & Systems	
47.041	I	7,441	Engineering Grants	445524-19071A	Virginia Polytechnic Institute and State University	
47.041	I	13,373	Engineering Grants	445524-19071	Virginia Polytechnic Institute and State University	
47.041	I	30,486	Engineering Grants	4101-76208	Purdue University	
47.041	I	50,060	Engineering Grants	2016-3358	University of Cal - Irvine	
47.041	I	54,158	Engineering Grants	2014-0225	Physical Devices, LLC	
47.049	D	58,721	Mathematical and Physical Sciences			
47.049	D	8,746,382	Mathematical and Physical Sciences			
47.049	I	(2)	Mathematical and Physical Sciences	PT-011-20015	American Physical Society	
47.049	I	2,973	Mathematical and Physical Sciences	15-S08	George Washington University	
47.049	I	11,286	Mathematical and Physical Sciences	UWSC6729 - PO #: BPO6175	University of Washington	
47.049	I	29,747	Mathematical and Physical Sciences	124885_G003639	Washington State University	
47.049	I	32,305	Mathematical and Physical Sciences	16-296-NCSU	West Virginia University	
47.049	I	492,769	Mathematical and Physical Sciences	12-NSF-1029	Duke University	
47.050	D	2,699,207	Geosciences			
47.050	I	8,444	Geosciences	208LUC613	Portland State University	
47.050	I	15,876	Geosciences	2-581500-NCSU	Oklahoma State Univ.	
47.050	I	78,233	Geosciences	3004146004	University of Michigan	
47.050	I	95,707	Geosciences	420-41-15A	Iowa State University	
47.070	D	11,043	Computer and Information Science and Engineering			
47.070	D	7,230,830	Computer and Information Science and Engineering			

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47.070	I	1,547	Computer and Information Science and Engineering	800004823-01UG	Florida International University	
47.070	I	23,806	Computer and Information Science and Engineering	800004119-01UG	Florida International University	
47.070	I	36,486	Computer and Information Science and Engineering	800006701-01UG	Florida International University	
47.070	I	39,416	Computer and Information Science and Engineering	602871	Christiana Care Health System	
47.070	I	49,644	Computer and Information Science and Engineering	RD199-G15	Georgia Institute of Technology	
47.070	I	52,464	Computer and Information Science and Engineering	800005863-01UG	Florida International University	
47.070	I	214,959	Computer and Information Science and Engineering	11826	Education Development Center	
47.074	D	2,884	Biological Sciences			
47.074	D	216,620	Biological Sciences			
47.074	D	697,793	Biological Sciences			
47.074	D	5,284,219	Biological Sciences			
47.074	I	(169)	Biological Sciences	27184	University of Delaware	
47.074	I	156	Biological Sciences	UTA10-000936	University of Texas	
47.074	I	1,998	Biological Sciences	RR272-815/5054246	University of Georgia	
47.074	I	6,178	Biological Sciences	C000041922-2	University of Missouri - Columbia	
47.074	I	14,715	Biological Sciences	20112101_NCSU	National Jewish Health	
47.074	I	19,133	Biological Sciences	4101-77383	Purdue University	
47.074	I	20,778	Biological Sciences	PO# 40948	University of Delaware	
47.074	I	33,364	Biological Sciences	SUBAWARD # 207SCH588	Portland State University	
47.074	I	35,314	Biological Sciences	0038425(011514-1)	University of Pittsburgh	
47.074	I	51,468	Biological Sciences	RF331-302/S001089	University of Georgia	
47.074	I	53,129	Biological Sciences	RR167-808/S000657	University of Georgia	
47.074	I	55,078	Biological Sciences	IOS-1444561	National Science Foundation	
47.074	I	131,033	Biological Sciences	16-04	Boyce Thompson Inst.	
47.074	I	205,582	Biological Sciences	67183-10114	Cornell University	
47.075	D	7,012	Social, Behavioral, and Economic Sciences			
47.075	D	544,582	Social, Behavioral, and Economic Sciences			
47.075	I	5,385	Social, Behavioral, and Economic Sciences	333-2368	Duke University	
47.075	I	49,756	Social, Behavioral, and Economic Sciences	RC104050NCSU	Michigan State University	
47.075	I	111,407	Social, Behavioral, and Economic Sciences	16-789	Arizona State University	
47.076	D	380,048	Education and Human Resources			
47.076	D	9,786,744	Education and Human Resources			
47.076	I	(1,106)	Education and Human Resources	DUE-1125331	Carleton College	
47.076	I	4,772	Education and Human Resources	S150503	Prairie View A&M University	
47.076	I	7,491	Education and Human Resources	2015-3274	University of Cal - Irvine	
47.076	I	12,450	Education and Human Resources	29778-Z4602001	University of Maryland, College Park	
47.076	I	13,552	Education and Human Resources	C00032406-1	University of Missouri - Columbia	
47.076	I	27,699	Education and Human Resources	R01899	Florida State University	
47.076	I	42,196	Education and Human Resources	2011-1825	Carleton College	
47.076	I	42,847	Education and Human Resources	UWSC8731 / PO# BPO10762	University of Washington	
47.076	I	58,985	Education and Human Resources	479780-19071	Virginia Polytechnic Institute and State University	
47.076	I	79,499	Education and Human Resources	BL-4842404-NCST/PO1881747	Indiana University	
47.076	I	236,525	Education and Human Resources	278-01.01	Concord Consortium	
47.079	D	154,082	Office of International Science and Engineering			
47.080	D	(1,101)	Office of Cyberinfrastructure			
47.083	D	660,255	Office of Integrative Activities			
47.RD	I	4,298	National Science Foundation	5879-NCSU-NSF-7396	Pennsylvania State University	86873
59.037	D	952,523	Small Business Development Centers			
59.037	D	2,437,603	Small Business Development Centers			
64.RD	D	8,540	U. S. Department of Veterans Affairs			DVAMCIPA
66.034	D	16,502	Surveys, Studies, Research, Investigations, Demonstrations, and Special Purpose Activities Relating to the Clean Air Act			
66.436	D	14,988	Surveys, Studies, Investigations, Demonstrations, and Training Grants and Cooperative Agreements - Section 104(b)(3) of the Clean Water Act			
66.454	I	3,740	Water Quality Management Planning	7116	Mid-East Commission	
66.460	I	4,711	Nonpoint Source Implementation Grants	2015-1025	Town Of Pittsboro	
66.460	I	6,850	Nonpoint Source Implementation Grants	2016-1924	Albemarle Rc&D	
66.460	I	46,421	Nonpoint Source Implementation Grants	2014-1966	Hendersonville, NC	
66.461	D	72,883	Regional Wetland Program Development Grants			
66.509	D	308,497	Science To Achieve Results (STAR) Research Program			
66.509	I	(7,698)	Science To Achieve Results (STAR) Research Program	06-S150652	Texas A&M Agrilife Research	
66.509	I	(408)	Science To Achieve Results (STAR) Research Program	06-S160630	Texas A&M Agrilife Research	

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66.509	I	1,070	Science To Achieve Results (STAR) Research Program	G-58003-1	Colorado State University	
66.509	I	6,693	Science To Achieve Results (STAR) Research Program	UTA16-001140	University Of Texas - Austin	
66.509	I	10,031	Science To Achieve Results (STAR) Research Program	G-58004-1	Colorado State University	
66.509	I	20,016	Science To Achieve Results (STAR) Research Program	3430538	Duke University	
66.509	I	62,395	Science To Achieve Results (STAR) Research Program	E0191A-A	Oregon State University	
66.509	I	123,324	Science To Achieve Results (STAR) Research Program	2016-1630	Stockholm Environment Institute	
66.509	I	244,438	Science To Achieve Results (STAR) Research Program	06-S160606	Texas A&M Agrilife Research	
66.509	I	270,220	Science To Achieve Results (STAR) Research Program	C16P12352 (P00385)	Yale University	
66.RD	I	(427)	U. S. Environmental Protection Agency	4944-RFA13-1/14-5-2	Health Effects Institute	HEI 4944-RFA13-1
66.RD	I	8,339	U. S. Environmental Protection Agency	16-312-0213199-52066L	Research Triangle Institute (RTI International)	EP-D-11-084
66.RD	I	16,252	U. S. Environmental Protection Agency	0393.00.017/01	Eastern Research Group, Inc.	0393.00.017/01
66.RD	I	19,178	U. S. Environmental Protection Agency	0393.01.017/01	Eastern Research Group, Inc.	0393.00.017/01
66.RD	I	39,114	U. S. Environmental Protection Agency	4944-RFA13-1/14-5-3	Health Effects Institute	HEI 4944-RFA13-1
66.RD	I	49,319	U. S. Environmental Protection Agency	2017-0311	Jacobs	EP-C-15-0008
66.U01	I	19,945	U. S. Environmental Protection Agency	SA-2017-65	Extension Foundation	X8-83698001
66.U02	I	11,460	U. S. Environmental Protection Agency	2018-1592	Jacobs	EP-C-15-0008
77.006	D	17,506	U. S. Nuclear Regulatory Commission Nuclear Education Grant Program			
77.008	D	97,718	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program			
77.008	D	355,676	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program			
77.RD	I	73,123	Nuclear Regulatory Commission	706K786	University of Wisconsin	NRC-HQ-60-16-E-0001
81.049	D	3,004,965	Office of Science Financial Assistance Program			
81.049	I	(28,245)	Office of Science Financial Assistance Program	2015-2339	Adroit Materials, Inc.	
81.049	I	(11,675)	Office of Science Financial Assistance Program	SC0013830-001	American Superconductor Corp.	
81.049	I	(209)	Office of Science Financial Assistance Program	2016-2398	Lupine Materials & Technology	
81.049	I	(49)	Office of Science Financial Assistance Program	2014-2289	Drs Research	
81.049	I	6,727	Office of Science Financial Assistance Program	1555891 PO#1000911947	University of Colorado - Boulder	
81.049	I	15,102	Office of Science Financial Assistance Program	2018-1921	Genesic Semiconductor, Inc.	
81.049	I	19,824	Office of Science Financial Assistance Program	1(GG010862)	Columbia University	
81.049	I	42,335	Office of Science Financial Assistance Program	1551588/PO#1000375790	University of Colorado - Boulder	
81.049	I	55,326	Office of Science Financial Assistance Program	2017-2001	Calabazas Creek Research, Inc.	
81.049	I	73,110	Office of Science Financial Assistance Program	254998	Temple University	
81.049	I	130,348	Office of Science Financial Assistance Program	2018-0161	Lupine Materials & Technology	
81.049	I	141,152	Office of Science Financial Assistance Program	5026-NCSU-DOE-1090	Pennsylvania State University	
81.049	I	166,168	Office of Science Financial Assistance Program	RC107830	Michigan State University	
81.049	I	197,352	Office of Science Financial Assistance Program	WU-15-69 (PO#2922325Y)	Washington University-St Louis	
81.049	I	407,657	Office of Science Financial Assistance Program	WU-HT-10-09 PO: 2911086A	Washington University-St Louis	
81.057	D	727	University Coal Research			
81.086	D	2,477	Conservation Research and Development			
81.086	D	6,913,096	Conservation Research and Development			
81.086	I	13,562	Conservation Research and Development	2015-2325	Intermolecular, Inc.	
81.086	I	178,565	Conservation Research and Development	16-707NCSU PO#MM000026944	West Virginia University	
81.087	D	472,986	Renewable Energy Research and Development			
81.087	I	8,756	Renewable Energy Research and Development	SUBAWARD # M1802860	Texas A&M Engine Exper Station	
81.087	I	15,185	Renewable Energy Research and Development	DE-EE0007888-05-6	Rapid Institute	
81.087	I	45,157	Renewable Energy Research and Development	SUBCONTRACT NO. 1004	Corrim	
81.087	I	65,207	Renewable Energy Research and Development	CESMII-2017-R-03	Smart Manufacturing Lead. Co.	
81.087	I	80,401	Renewable Energy Research and Development	1070227-382029	Carnegie Mellon University	
81.087	I	106,475	Renewable Energy Research and Development	8500051911	University of Tennessee	
81.087	I	110,072	Renewable Energy Research and Development	ZFC-5-52044-01	Alliance For Sustainable Energy	
81.087	I	125,498	Renewable Energy Research and Development	2014-2776	Metabolix, Inc.	
81.087	I	203,584	Renewable Energy Research and Development	DE-EE0007253-NCSU	Eaton Corp.	
81.089	D	657,778	Fossil Energy Research and Development			
81.104	D	1,948	Environmental Remediation and Waste Processing and Disposal			
81.112	D	7	Stewardship Science Grant Program			
81.113	D	5,566,819	Defense Nuclear Nonproliferation Research			
81.113	I	2,518	Defense Nuclear Nonproliferation Research	209762	University of Arizona	
81.113	I	271,210	Defense Nuclear Nonproliferation Research	3003222368	University of Michigan	
81.117	D	157,614	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance			
81.117	D	292,742	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance			

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81.117	I	150,797	Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	PEEIF486-01	Ucpkog	
81.121	D	351,101	Nuclear Energy Research, Development and Demonstration			
81.121	D	3,249,452	Nuclear Energy Research, Development and Demonstration			
81.121	I	13,345	Nuclear Energy Research, Development and Demonstration	775K541	University of Wisconsin	
81.121	I	15,992	Nuclear Energy Research, Development and Demonstration	SUBAWARD NO. 68016083-01	University of Central Florida	
81.121	I	47,403	Nuclear Energy Research, Development and Demonstration	3004190071	University of Michigan	
81.121	I	51,243	Nuclear Energy Research, Development and Demonstration	5725-NCSU-DOE-8717	Pennsylvania State University	
81.121	I	128,215	Nuclear Energy Research, Development and Demonstration	401012-5801	Colorado School Of Mines	
81.121	I	144,891	Nuclear Energy Research, Development and Demonstration	401012-5803	Colorado School Of Mines	
81.121	I	152,196	Nuclear Energy Research, Development and Demonstration	4105-77328	Purdue University	
81.122	D	(121)	Electricity Delivery and Energy Reliability, Research, Development and Analysis			
81.122	D	190,869	Electricity Delivery and Energy Reliability, Research, Development and Analysis			
81.122	I	(2,940)	Electricity Delivery and Energy Reliability, Research, Development and Analysis	PO4500305158 BRIAN HIXSON	First Energy Corp (Allegheny)	
81.135	D	383,948	Advanced Research Projects Agency - Energy			
81.135	I	(37,430)	Advanced Research Projects Agency - Energy	2013-0070	Energy-To-Power Solutions(E2p)	
81.135	I	16,697	Advanced Research Projects Agency - Energy	79427836; PO#S9001469	University of Cal - San Diego	
81.135	I	55,929	Advanced Research Projects Agency - Energy	2018-0104	Adroit Materials, Inc.	
81.135	I	121,338	Advanced Research Projects Agency - Energy	2014-2747	Bio2electric, LLC	
81.135	I	142,447	Advanced Research Projects Agency - Energy	9153-20936	Vanderbilt University	
81.135	I	267,244	Advanced Research Projects Agency - Energy	33339-Z7218002	University of Maryland, College Park	
81.RD	D	107,188	U. S. Department of Energy			IPARD
81.RD	I	(12,919)	U. S. Department of Energy	145661-009	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	(2,293)	U. S. Department of Energy	145661-007	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	(856)	U. S. Department of Energy	4000130891	UT Battelle, LLC	DE-AC04-94AL85000
81.RD	I	(584)	U. S. Department of Energy	4000144475	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	1,893	U. S. Department of Energy	4000109736	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	2,138	U. S. Department of Energy	4000161999	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	2,190	U. S. Department of Energy	8F-30076	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	5,286	U. S. Department of Energy	00145661-00001	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	6,879	U. S. Department of Energy	145661-17	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	7,453	U. S. Department of Energy	8F-30081	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	8,486	U. S. Department of Energy	4200000036-4000126315	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	10,143	U. S. Department of Energy	427825	Los Alamos National Lab	DE-AC52-06NA25396
81.RD	I	10,716	U. S. Department of Energy	B623398	Lawrence Livermore National Laboratory	DE-AC52-07NA27344
81.RD	I	12,036	U. S. Department of Energy	4000157746	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	12,297	U. S. Department of Energy	4000155130	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	12,919	U. S. Department of Energy	4200000036-4000143197	Oak Ridge National Lab	JFA-2001-2
81.RD	I	14,657	U. S. Department of Energy	1746401	Sandia National Lab	DE-AC05-76RL01830
81.RD	I	15,922	U. S. Department of Energy	145661-13	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	16,367	U. S. Department of Energy	7381614	Lawrence Berkeley National Lab	DE-AC02-05CH11231
81.RD	I	20,404	U. S. Department of Energy	RELEASE 16 U/C 145661	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	20,546	U. S. Department of Energy	145661-18	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	20,760	U. S. Department of Energy	42000000570-4000159477	Oak Ridge National Lab	DE=AC05-00OR22725
81.RD	I	22,456	U. S. Department of Energy	463643	Los Alamos National Lab	337918-463643
81.RD	I	23,872	U. S. Department of Energy	B623286	Lawrence Livermore Natl. Secu.	DE-AC52-07NA27344
81.RD	I	24,176	U. S. Department of Energy	LTI-FE0022594-NCS	Leonardo Technologies, Inc.	DE-FE0022594
81.RD	I	25,156	U. S. Department of Energy	4000155187	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	28,078	U. S. Department of Energy	4000153636	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	28,288	U. S. Department of Energy	B627261	Lawrence Livermore National Laboratory	DE-AC52-07NA27344
81.RD	I	29,402	U. S. Department of Energy	0145661-006	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	29,522	U. S. Department of Energy	0161615-001	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	29,588	U. S. Department of Energy	7307086	Lawrence Berkeley National Lab	DE-AC02-05CH11231
81.RD	I	29,827	U. S. Department of Energy	4200000036-4000120386	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	30,047	U. S. Department of Energy	4000144968	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	32,091	U. S. Department of Energy	0145661-005	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	32,741	U. S. Department of Energy	PO# 107832	Bettis Atomic Power Laboratory	107832 Bettis Atomic Lab US DOE
81.RD	I	34,137	U. S. Department of Energy	00145661-00002	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	45,683	U. S. Department of Energy	4200000036-4000133202	Oak Ridge National Lab	JFA-2001-2
81.RD	I	47,895	U. S. Department of Energy	4200000570-4000143422	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	49,179	U. S. Department of Energy	7090112	Lawrence Berkeley National Lab	DE-AC02-05CH11231
81.RD	I	49,555	U. S. Department of Energy	145661-4	Battelle Energy Alliance, LLC	DE-AC07-051D14517

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81.RD	I	51,211	U. S. Department of Energy	4000056870	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	52,973	U. S. Department of Energy	4000145506	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	58,050	U. S. Department of Energy	B621752	Lawrence Livermore National Laboratory	DE-AC52-07NA27344
81.RD	I	62,597	U. S. Department of Energy	4200000036-4000141258	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	67,422	U. S. Department of Energy	4F-32144	Argonne Nat'L Lab	DE-AC02-06CH11357
81.RD	I	67,774	U. S. Department of Energy	0145661-007	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	75,660	U. S. Department of Energy	PO # 107832	Bettis Atomic Power Laboratory	107832 Bettis Atomic Lab US DOE
81.RD	I	81,205	U. S. Department of Energy	329344	Brookhaven Nat'L Lab	DE-SC0012704
81.RD	I	87,401	U. S. Department of Energy	B620596	Lawrence Livermore National Laboratory	DE-AC52-07NA27344
81.RD	I	91,843	U. S. Department of Energy	4000151695	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	103,935	U. S. Department of Energy	1746480	Sandia National Lab	DE-AC04-94AL85000
81.RD	I	107,750	U. S. Department of Energy	MASTER #145661-RELEASE#11	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	126,008	U. S. Department of Energy	292626	Pacific Northwest National Lab	DE-AC05-76RL01830
81.RD	I	134,593	U. S. Department of Energy	4000114809	UT Battelle, LLC	DE-AC05-00OR22725
81.RD	I	149,259	U. S. Department of Energy	PO #107832	Bettis Atomic Power Laboratory	107832 Bettis Atomic Lab US DOE
81.RD	I	152,113	U. S. Department of Energy	4200000036-4000147886	Oak Ridge National Lab	JFA-2001-2
81.RD	I	152,678	U. S. Department of Energy	145661-14	Battelle Energy Alliance, LLC	DE-AC07-051D14517
81.RD	I	188,684	U. S. Department of Energy	B615702	Lawrence Livermore Natl. Secu.	DE-AC52-07NA27344
81.RD	I	354,180	U. S. Department of Energy	4000114671	Oak Ridge National Lab	DE-AC05-00OR22725
81.RD	I	358,001	U. S. Department of Energy	286473	Pacific Northwest National Lab	DE-AC05-00OR22725
81.U02	D	307,391	U. S. Department of Energy			IPAU01
84.007	D	476,237	Federal Supplemental Educational Opportunity Grants			
84.033	D	649,428	Federal Work-Study Program			
84.038	D	11,621,774	Federal Perkins Loan Program - Federal Capital Contributions			
84.042	D	451,385	TRIO Student Support Services			
84.044	D	398,462	TRIO Talent Search			
84.047	D	814,071	TRIO Upward Bound			
84.063	D	23,893,473	Federal Pell Grant Program			
84.120	I	5,567	Minority Science and Engineering Improvement	S150508	Prairie View A&M University	
84.200	D	257,105	Graduate Assistance in Areas of National Need			
84.200	D	360,697	Graduate Assistance in Areas of National Need			
84.217	D	115,652	TRIO McNair Post-Baccalaureate Achievement			
84.268	D	119,638,894	Federal Direct Student Loans			
84.305	D	135,097	Education Research, Development and Dissemination			
84.305	I	58,147	Education Research, Development and Dissemination	569644 PO# 3903295	University of Pennsylvania	
84.305	I	76,839	Education Research, Development and Dissemination	RR244-144/S001449	University of Georgia	
84.305	I	102,579	Education Research, Development and Dissemination	PO15786	SRI International	
84.363	D	716,139	School Leader Recruitment and Support (formerly School Leadership)			
84.366	I	79,168	Mathematics and Science Partnerships	2015-1763	Person County Schools	
84.377	D	302,610	School Improvement Grants			
84.U02	I	189,290	U. S. Department of Education	2015-0287	Harnett County	2015-0287
84.U03	I	31,736	U. S. Department of Education	2015-0613	Jones County Schools	2015-0613
84.U04	I	2,840	U. S. Department of Education	2017-0546	Lee County Schools	2017-0546
93.086	I	16,244	Healthy Marriage Promotion and Responsible Fatherhood Grants	2017-1299	Center For Policy Research	
93.103	D	20,573	Food and Drug Administration Research			
93.103	D	134,951	Food and Drug Administration Research			
93.103	I	36,354	Food and Drug Administration Research	S16027	Kansas State University	
93.113	D	197,330	Environmental Health			
93.113	D	4,780,541	Environmental Health			
93.113	I	(7,996)	Environmental Health	T133135	Emory University	
93.113	I	29,901	Environmental Health	P0431A-A	Oregon State University	
93.121	I	(57,256)	Oral Diseases and Disorders Research	000407304-001	University of Alabama	
93.121	I	58,690	Oral Diseases and Disorders Research	PT112270-SC107121	Virginia Commonwealth University (VCU)	
93.143	I	6,365	NIEHS Superfund Hazardous Substances Basic Research and Education	5(GG0133322-04)	Columbia University	
93.143	I	24,321	NIEHS Superfund Hazardous Substances Basic Research and Education	203-7058	Duke University	
93.143	I	36,390	NIEHS Superfund Hazardous Substances Basic Research and Education	203-6119	Duke University	
93.143	I	59,093	NIEHS Superfund Hazardous Substances Basic Research and Education	02-M1800350	Texas A&M University	
93.172	D	185,268	Human Genome Research			
93.213	I	25,889	Research and Training in Complementary and Integrative Health	0254-3831-4609	Icahn School Of Medicine	
93.213	I	39,327	Research and Training in Complementary and Integrative Health	4102-70443	Purdue University	
93.213	I	50,159	Research and Training in Complementary and Integrative Health	4102-78167	Purdue University	



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93.226	I	51,534	Research on Healthcare Costs, Quality and Outcomes	2032514	Duke University	
93.242	D	385,933	Mental Health Research Grants			
93.242	I	19,888	Mental Health Research Grants	3001008463	University of Texas MD Anderson Cancer Center	
93.242	I	38,602	Mental Health Research Grants	00004509	University of Texas MD Anderson Cancer Center	
93.243	D	19,045	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.262	I	11,754	Occupational Safety and Health Program	6402-1090-00-A	University of South Florida	
93.273	D	340,634	Alcohol Research Programs			
93.273	I	20,310	Alcohol Research Programs	2017-1740	Kwj Engineering	
93.273	I	248,246	Alcohol Research Programs	500693 NCSU	Feinstein Inst For Medical Research	
93.279	D	848,255	Drug Abuse and Addiction Research Programs			
93.286	D	993,102	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.286	I	(3,532)	Discovery and Applied Research for Technological Innovations to Improve Human Health	1550237/PO# 1000209323	University of Colorado - Boulder	
93.286	I	79,577	Discovery and Applied Research for Technological Innovations to Improve Human Health	1553725/ PO 1000653369	University of Colorado - Boulder	
93.307	D	374,842	Minority Health and Health Disparities Research			
93.307	I	32,299	Minority Health and Health Disparities Research	60044313 NCSU	Northwestern University	
93.310	D	171,051	Trans-NIH Research Support			
93.319	D	956,630	Outreach Programs to Reduce the Prevalence of Obesity in High Risk Rural Areas			
93.351	D	37,808	Research Infrastructure Programs			
93.351	D	1,091,916	Research Infrastructure Programs			
93.361	D	97,214	Nursing Research			
93.393	D	436,083	Cancer Cause and Prevention Research			
93.393	I	26,089	Cancer Cause and Prevention Research	UFDSP00011890 P0032835	University of Florida	
93.394	I	38,784	Cancer Detection and Diagnosis Research	17-3177 / PO# 2000029462	University of South Carolina	
93.394	I	141,982	Cancer Detection and Diagnosis Research	1552592/PO:1000500405	University of Colorado - Boulder	
93.395	D	310,640	Cancer Treatment Research			
93.395	I	25,399	Cancer Treatment Research	2035521	Duke University	
93.396	D	191,520	Cancer Biology Research			
93.397	I	2,361	Cancer Centers Support Grants	ASUB08	Arizona State University	
93.398	D	28,324	Cancer Research Manpower			
93.398	D	34,284	Cancer Research Manpower			
93.433	I	548	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	5601	Rehabilitation Inst Of Chicago	
93.600	I	151	Head Start	2017-1676	Big Blue Marble Academy	
93.600	I	155	Head Start	2017-1660	Unique Kidz	
93.600	I	181	Head Start	2017-1675	The Learning Tree Day School	
93.600	I	267	Head Start	2017-1674	Sunshine House	
93.600	I	286	Head Start	2017-1671	UU World of Children	
93.600	I	2,270	Head Start	2017-0483	Lancaster County First Steps	
93.610	I	23,069	Health Care Innovation Awards (HCIA)	2016-1866	Community Care Of North Carolina Services	
93.732	D	545,527	Mental and Behavioral Health Education and Training Grants			
93.757	I	21,940	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	2016-049309-002 PO#428829	Texas Dept. Of State Health	
93.837	D	167,087	Cardiovascular Diseases Research			
93.837	D	1,271,261	Cardiovascular Diseases Research			
93.837	I	23,445	Cardiovascular Diseases Research	60436087-107606-A	Stanford University	
93.837	I	395,802	Cardiovascular Diseases Research	2016-1746	Profusa, Inc.	
93.846	D	165,138	Arthritis, Musculoskeletal and Skin Diseases Research			
93.846	I	(1,824)	Arthritis, Musculoskeletal and Skin Diseases Research	2R42AR055042-02	Cytex Therapeutics, Inc.	
93.847	D	377,947	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	(376)	Diabetes, Digestive, and Kidney Diseases Extramural Research	197SUB/283SUB	Cleveland Clinic	
93.847	I	7,595	Diabetes, Digestive, and Kidney Diseases Extramural Research	0000917572	Fred Hutchinson Cancer Research Center	
93.847	I	10,490	Diabetes, Digestive, and Kidney Diseases Extramural Research	0000884626	Fred Hutchinson Cancer Research Center	
93.853	D	884,219	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	6,517	Extramural Research Programs in the Neurosciences and Neurological Disorders	2036795	Duke University	
93.853	I	14,745	Extramural Research Programs in the Neurosciences and Neurological Disorders	2037079	Duke University	
93.853	I	16,127	Extramural Research Programs in the Neurosciences and Neurological Disorders	PO #209391	Jackson Laboratory	
93.853	I	56,101	Extramural Research Programs in the Neurosciences and Neurological Disorders	SUBAWARD NO. 569935	University of Pennsylvania	
93.855	D	1,390,534	Allergy and Infectious Diseases Research			
93.855	I	(12)	Allergy and Infectious Diseases Research	000503356-SP002-SC006	University of Alabama	
93.855	I	39,351	Allergy and Infectious Diseases Research	700154-0119-00	Nationwide Children's Hospital	
93.855	I	59,395	Allergy and Infectious Diseases Research	G-2544-1	Colorado State University	
93.855	I	80,051	Allergy and Infectious Diseases Research	008-1117	Agile Sciences, Inc.	

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93.855	I	109,505	Allergy and Infectious Diseases Research	201303042-02	University of Cal - Davis	
93.855	I	180,795	Allergy and Infectious Diseases Research	2016-0593	Nirvana Sciences, Inc.	
93.856	D	172,114	Microbiology and Infectious Diseases Research			
93.859	D	682,084	Biomedical Research and Research Training			
93.859	D	3,857,535	Biomedical Research and Research Training			
93.859	I	(71,777)	Biomedical Research and Research Training	3003094798	University of Michigan	
93.859	I	39,234	Biomedical Research and Research Training	GB10488.156554	University of Virginia	
93.859	I	63,108	Biomedical Research and Research Training	361195-13340-02	Temple University	
93.859	I	75,942	Biomedical Research and Research Training	RF164-G1	Georgia Institute of Technology	
93.859	I	116,555	Biomedical Research and Research Training	78565-10763	Cornell University	
93.865	D	884,199	Child Health and Human Development Extramural Research			
93.865	I	8,828	Child Health and Human Development Extramural Research	RC104815NCSU	Michigan State University	
93.865	I	9,131	Child Health and Human Development Extramural Research	61411565-47273	Stanford University	
93.865	I	27,204	Child Health and Human Development Extramural Research	2034757	Duke University	
93.865	I	70,271	Child Health and Human Development Extramural Research	3730 (COST CENTER 81370)	Rehabilitation Inst Of Chicago	
93.866	D	26,438	Aging Research			
93.866	D	761,183	Aging Research			
93.866	I	339	Aging Research	2014-1244	Doty Scientific, Inc.	
93.866	I	17,745	Aging Research	2034216	Duke University	
93.866	I	77,710	Aging Research	9SB1AG059313	Cytex Therapeutics, Inc.	
93.867	D	193,045	Vision Research			
93.876	D	38,915	Antimicrobial Resistance Surveillance in Retail Food Specimens			
93.879	I	2,000	Medical Library Assistance	1600679/PO#SR00004893	University of Maryland Balt. County	
93.991	I	8,172	Preventive Health and Health Services Block Grant	CY-6-466	Sodhec	
93.RD	D	256,931	U. S. Department of Health and Human Services			HHSF223201610583P
93.RD	I	(1,527)	U. S. Department of Health and Human Services	008-1116	Agile Sciences, Inc.	HHSN272201500010C
93.RD	I	12,362	U. S. Department of Health and Human Services	#06-S170631	Texas A&M Agrilife Research	200-2016-91789
93.RD	I	36,671	U. S. Department of Health and Human Services	2016-0746	Agile Sciences, Inc.	HHSN272201500010C
93.RD	I	56,006	U. S. Department of Health and Human Services	18X090	Leidos, Inc. (Formerly Saic)	HHSN261200800001E
93.RD	I	64,361	U. S. Department of Health and Human Services	LSBPO1378/HHSF22320151013	Lifesource Biomedical	HHSF223201510131A
93.U05	D	158,490	U. S. Department of Health and Human Services			HHSF223201210130C
93.U06	I	82	U. S. Department of Health and Human Services	2018-1560	Nasda	5U01FD005334-04
97.044	D	1,042,187	Assistance to Firefighters Grant			
97.108	D	208,455	Homeland Security, Research, Testing, Evaluation, and Demonstration of Technologies			
97.108	I	19,266	Homeland Security, Research, Testing, Evaluation, and Demonstration of Technologies	2018-0843	Higher Dimension Materials, Inc.	
97.RD	I	(19)	U. S. Department of Homeland Security	13-215017110 FA45 PO51435	University of South Carolina	2012-DN-130-NF00001
98.001	I	1,756	USAID Foreign Assistance for Programs Overseas	451375-19071	Virginia Polytechnic Institute and State University	
98.001	I	6,668	USAID Foreign Assistance for Programs Overseas	4-330-0212934	Research Triangle Institute (RTI International)	
98.001	I	14,501	USAID Foreign Assistance for Programs Overseas	8000081084-AG	Purdue University	
98.001	I	47,669	USAID Foreign Assistance for Programs Overseas	8000078002	Purdue University	
98.012	I	8,419	USAID Development Partnerships for University Cooperation and Development	RC102095-W1003	Michigan State University	
98.012	I	47,371	USAID Development Partnerships for University Cooperation and Development	RC710-077/S001334	University of Georgia	
98.012	I	80,081	USAID Development Partnerships for University Cooperation and Development	RC710-059/4708614	University of Georgia	
98.012	I	133,588	USAID Development Partnerships for University Cooperation and Development	RC710-059/4945986	University of Georgia	
98.RD	D	15,046	United States Agency for International Development			2018-0103
98.RD	I	(31)	United States Agency for International Development	N/A	Icrisat	ICRISAT - USAID CRP-GL Lead Center
98.RD	I	35,916	United States Agency for International Development	2000007142	National Academy of Sciences	AID-263-A-15-00002
98.RD	I	51,214	United States Agency for International Development	2000007149	National Academy of Sciences	EPP_A-00-06-00012-00
98.RD	I	53,623	United States Agency for International Development	RC102095-G4003	Michigan State University	RC102095-G4003
98.RD	I	56,948	United States Agency for International Development	2000006098	National Academy of Sciences	ESP-00-05-00001-00
98.RD	I	471,563	United States Agency for International Development	RD011G-C	Oregon State University	RD011G-C USAID OSU
98.U01	I	32,793	United States Agency for International Development	RC102095BHEARD-MALAWI	Michigan State University	RC102095BHEARD-MALAWI
99.U05	D	17,750	Other Federal Assistance			PC-15-8-057
		389,683,103	Total — North Carolina State University			

**University of North Carolina - General Administration**

64.124	D	356,063	All-Volunteer Force Educational Assistance
84.334	D	3,520,369	Gaining Early Awareness and Readiness for Undergraduate Programs

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84.350	D	89,667	Transition to Teaching			
84.367	D	1,157,198	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)			
		<u>5,123,297</u>	Total — University of North Carolina - General Administration			
<b>University of North Carolina at Asheville</b>						
10.652	D	270,135	Forestry Research			
10.664	D	6,630	Cooperative Forestry Assistance			
11.431	I	22,945	Climate and Atmospheric Research	GSXXFFXXYS	Harmonic International	
11.440	I	3,448	Environmental Sciences, Applications, Data, and Education	WC-133R-14-CN	Riverside Technology	
11.459	D	33,560	Weather and Air Quality Research			
12.110	I	5,000	Planning Assistance to States	170191F-501	Blue Ridge Rsc & Consulting	
15.650	D	12,706	Research Grants (Generic)			
15.669	D	4,538	Cooperative Landscape Conservation			
15.810	D	924	National Cooperative Geologic Mapping			
43.001	D	85,429	Science			
45.163	D	6,896	Promotion of the Humanities Professional Development			
47.041	D	51,583	Engineering Grants			
47.049	D	6,926	Mathematical and Physical Sciences			
47.075	D	7,330	Social, Behavioral, and Economic Sciences			
47.076	D	287,925	Education and Human Resources			
84.007	D	91,996	Federal Supplemental Educational Opportunity Grants			
84.033	D	86,367	Federal Work-Study Program			
84.038	D	1,182,854	Federal Perkins Loan Program - Federal Capital Contributions			
84.063	D	5,880,482	Federal Pell Grant Program			
84.268	D	14,055,644	Federal Direct Student Loans			
93.110	I	123,367	Maternal and Child Health Federal Consolidated Programs	60041104	Ohio State University	
93.734	D	325,250	Empowering Older Adults and Adults with Disabilities through Chronic Disease Self-Management Education Programs - financed by Prevention and Public Health Funds (PPHF)			
		<u>22,551,935</u>	Total — University of North Carolina at Asheville			
<b>University of North Carolina at Chapel Hill</b>						
10.200	D	161,187	Grants for Agricultural Research, Special Research Grants			
10.200	I	2,992	Grants for Agricultural Research, Special Research Grants	S16032	Kansas State University	
10.200	I	23,070	Grants for Agricultural Research, Special Research Grants	2-312-0214565-52422L	Research Triangle Institute (RTI International)	
10.253	I	12,716	Consumer Data and Nutrition Research	15-USDA-1039	Duke University	
10.310	D	546,464	Agriculture and Food Research Initiative (AFRI)			
10.310	I	24,622	Agriculture and Food Research Initiative (AFRI)	60045042	Ohio State University	
10.310	I	113,035	Agriculture and Food Research Initiative (AFRI)	73934-10464	Cornell University	
10.351	D	85,275	Rural Business Development Grant			
10.446	D	75,839	Rural Community Development Initiative			
10.561	I	12,474	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	0000001570	University of Wisconsin-Extension	
10.561	I	23,838	State Administrative Matching Grants for the Supplemental Nutrition Assistance Program	0000001207	University of Wisconsin-Extension	
10.902	D	22,118	Soil and Water Conservation			
10.RD	D	7,985	U. S. Department of Agriculture			A16-1660-001
10.RD	D	19,536	U. S. Department of Agriculture			A18-0348-001
10.RD	D	19,754	U. S. Department of Agriculture			A17-1403-001
10.RD	I	2,614	U. S. Department of Agriculture			A15-1704-001
11.012	I	5,693	Integrated Ocean Observing System (IOOS)	1600013/ SR00004155	University of Maryland at Baltimore (UMB)	
11.012	I	79,274	Integrated Ocean Observing System (IOOS)	IOOS.16(028)UNCCH.HS	SECOORA	
11.012	I	115,703	Integrated Ocean Observing System (IOOS)	2013-001	Southeastern Universities Research Association	
11.020	D	228,429	Cluster Grants	IOOS.16(028)UNCCH.HS	SECOORA	
11.020	I	3,512	Cluster Grants			
11.303	D	102,682	Economic Development Technical Assistance	343-0585	Duke University	
11.419	I	134,080	Coastal Zone Management Administration Awards	3004232333	University of Michigan Board of Regents	
11.431	D	189,262	Climate and Atmospheric Research			
11.431	I	15,554	Climate and Atmospheric Research	18-3422/ PO 20000363	University of South Carolina (USC)	
11.431	I	66,234	Climate and Atmospheric Research	PO#2000016422	University of South Carolina (USC)	
11.431	I	127,949	Climate and Atmospheric Research	17-3250/PO2000030010	University of South Carolina (USC)	
11.463	I	9,574	Habitat Conservation	1018	North Carolina Coastal Federation	
11.478	D	155,003	Center for Sponsored Coastal Ocean Research Coastal Ocean Program			

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11.478	I	66,555	Center for Sponsored Coastal Ocean Research Coastal Ocean Program	NA288A-A	Oregon State University	
11.609	I	24,086	Measurement and Engineering Research and Standards	RJ118-G1	Georgia Institute of Technology	
11.RD	D	510,630	U. S. Department of Commerce			A17-0434-001
11.RD	I	132,137	U. S. Department of Commerce	G001-UNC-CH-16-001	CSS-Dynamac	A17-1103-001
12.300	D	1,281,079	Basic and Applied Scientific Research			
12.300	I	4,824	Basic and Applied Scientific Research	36150-Z8908002	University of Maryland at College Park	
12.300	I	9,739	Basic and Applied Scientific Research	13224200	Woods Hole Oceanographic Institution	
12.351	D	462,217	Scientific Research - Combating Weapons of Mass Destruction			
12.351	I	(3,329)	Scientific Research - Combating Weapons of Mass Destruction	UNC-0014	908 Devices, Inc.	
12.360	I	1,960	Research on Chemical and Biological Defense	S-1434-01 W911QY-15	Geneva Foundation	
12.360	I	86,385	Research on Chemical and Biological Defense	S-10456-01	Geneva Foundation	
12.420	D	2,485,120	Military Medical Research and Development			
12.420	I	(32,996)	Military Medical Research and Development	12078/ UWSC8821	University of Washington	
12.420	I	(14,532)	Military Medical Research and Development	W81XWH-14-2-0151	Medical College of Wisconsin	
12.420	I	(462)	Military Medical Research and Development	313-0474	Duke University	
12.420	I	4,388	Military Medical Research and Development	3200001006-17-129/ 7	University of Kentucky Research Foundation	
12.420	I	5,164	Military Medical Research and Development	60046663	Ohio State University	
12.420	I	5,311	Military Medical Research and Development	V-1357-06	Geneva Foundation	
12.420	I	11,004	Military Medical Research and Development	W81XWH-08-1-0683	American Burn Association	
12.420	I	19,963	Military Medical Research and Development	410003856	University Health Network	
12.420	I	19,980	Military Medical Research and Development	WUHS 115740	Wake Forest University Health Sciences	
12.420	I	36,732	Military Medical Research and Development	UFDSP00011535	University of Florida	
12.420	I	53,275	Military Medical Research and Development	S-10495-01	Geneva Foundation	
12.420	I	55,331	Military Medical Research and Development	S-1435-01	Geneva Foundation	
12.420	I	62,868	Military Medical Research and Development	VUMC62768	Vanderbilt University	
12.420	I	73,869	Military Medical Research and Development	3150/ 855506	Henry M Jackson Foundation	
12.420	I	118,986	Military Medical Research and Development	3150/ 855506	Henry M Jackson Foundation	
12.420	I	246,671	Military Medical Research and Development	W81XWH-14-2-0151	Medical College of Wisconsin	
12.431	D	1,149,362	Basic Scientific Research			
12.431	I	(1)	Basic Scientific Research	00000821	Brown University	
12.431	I	67	Basic Scientific Research	14-ARO-1098	Duke University	
12.431	I	431	Basic Scientific Research	504081-78051	Northeastern University	
12.431	I	24,886	Basic Scientific Research	E256GVA026	University of California at Merced	
12.431	I	60,435	Basic Scientific Research	92689088	University of Southern California (USC)	
12.598	D	332,913	Centers for Academic Excellence			
12.750	I	174,790	Uniformed Services University Medical Research Projects	2830084	Duke University	
12.800	D	667,206	Air Force Defense Research Sciences Program			
12.800	I	197,533	Air Force Defense Research Sciences Program	25-1123-0042-002	University of Nebraska at Lincoln	
12.800	I	287,027	Air Force Defense Research Sciences Program	010635-002	University of Cincinnati	
12.901	D	3,845	Mathematical Sciences Grants			
12.910	D	3,841,089	Research and Technology Development			
12.910	I	20,899	Research and Technology Development	49738-Z9315101	University of Maryland	
12.910	I	57,555	Research and Technology Development	3130714	Duke University	
12.RD	D	3,282	U. S. Department of Defense			A17-0233-001
12.RD	D	14,598	U. S. Department of Defense			A17-0220-001
12.RD	D	18,000	U. S. Department of Defense			A18-0258-001
12.RD	D	18,750	U. S. Department of Defense			A18-0673-001
12.RD	D	22,119	U. S. Department of Defense			A18-1156-001
12.RD	D	47,678	U. S. Department of Defense			A16-1387-001
12.RD	D	52,327	U. S. Department of Defense			A18-0086-001
12.RD	D	130,196	U. S. Department of Defense			A14-0166-001
12.RD	D	631,930	U. S. Department of Defense			A17-1205-001
12.RD	I	(46,937)	U. S. Department of Defense	N/A	Banyan Systems, Inc.	A13-1387-001
12.RD	I	(2)	U. S. Department of Defense	16-3485	BioMojo, LLC	A17-0719-001
12.RD	I	19,834	U. S. Department of Defense	4102294416	Lockheed Martin	A15-1652-001
12.RD	I	27,816	U. S. Department of Defense	S-40037-0013-01	Geneva Foundation	A18-0822-001
12.RD	I	40,310	U. S. Department of Defense	76001-6904-46	Physical Sciences, Inc.	A17-1521-001
12.RD	I	40,813	U. S. Department of Defense	1-340-0216217-65155L	Research Triangle Institute (RTI International)	A17-1749-001
12.RD	I	41,146	U. S. Department of Defense	N/A	BioMojo, LLC	A18-0820-001
12.RD	I	89,964	U. S. Department of Defense	N/A	Energy Materials Corporation	A18-0535-001
12.RD	I	98,645	U. S. Department of Defense	86956	Creare, Inc.	A17-0988-001

## SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
12.RD	I	103,690	U. S. Department of Defense	14651/PO#LBN9513347	Raytheon BBN Technologies Corp.	A17-0382-001
12.RD	I	117,822	U. S. Department of Defense	3003179758	University of Michigan (UMICH)	A15-1710-001
12.RD	I	155,768	U. S. Department of Defense	S-002752.02.BASIC.UN	Applied Research Associates, Inc.	A15-1715-001
12.RD	I	387,949	U. S. Department of Defense	S-255-003253-01-UNC	Applied Research Associates, Inc.	A17-1640-001
12.RD	I	405,738	U. S. Department of Defense	888-11-16-04/5-312-0	Research Triangle Institute (RTI International)	A13-0588-001
12.RD	I	413,985	U. S. Department of Defense	RH512-G1	Georgia Institute of Technology Research	A17-0825-001
13.RD	D	191,804	U.S. Central Intelligence Agency			A16-0697-001
14.506	D	5,548	General Research and Technology Activity			
14.536	I	94,887	Research and Evaluations, Demonstrations, and Data Analysis and Utilization	FR-5800-N-26	Manpower Demonstration Research Corporation	
14.RD	I	8,347	U. S. Department of Housing and Urban Development	48106	Abt Associates, Inc.	A17-1656-001
15.231	I	41,113	Fish, Wildlife and Plant Conservation Resource Management	L15AC00032	Chicago Botanic Gardens	
15.560	D	1,946	SECURE Water Act - Research Agreements			
15.650	D	22,770	Research Grants (Generic)			
15.808	D	56,674	U.S. Geological Survey Research and Data Collection			
15.944	I	28,851	Natural Resource Stewardship	17-01	Western States Air Resources Council (WESTAR)	
15.945	D	42,679	Cooperative Research and Training Programs - Resources of the National Park System			
15.RD	D	907	U. S. Department of Interior			A17-0211-001
16.320	I	5,654	Services for Trafficking Victims	N/A	Restore NYC	
16.525	D	103,278	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
16.560	D	151,565	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.560	I	195,223	National Institute of Justice Research, Evaluation, and Development Project Grants	2016-IJ-CX-0016	Vera Institute of Justice	
16.601	D	31,113	Corrections Training and Staff Development			
16.745	I	22,759	Criminal and Juvenile Justice and Mental Health Collaboration Program	1800000195	Durham County Office of the Sheriff	
17.RD	D	3,200	U. S. Department of Labor			A17-1434-001
19.040	D	2,080	Public Diplomacy Programs			
19.415	D	85,195	Professional and Cultural Exchange Programs - Citizen Exchanges			
19.415	I	19,197	Professional and Cultural Exchange Programs - Citizen Exchanges	S-ECAGD-15-CA-1073	American Association of Museums (AAM)	
19.415	I	49,153	Professional and Cultural Exchange Programs - Citizen Exchanges	S-ECAGD-16-CA-1120	Meridian International Center	
19.RD	D	14,484	U. S. Department of State			A17-0516-001
19.RD	I	87,992	U. S. Department of State	N/A	The Colombo Plan Secretariat	A16-1605-001
20.108	I	(33,570)	Aviation Research Grants	4500001709	Boston University	
20.108	I	1,136	Aviation Research Grants	4500001937	Boston University	
20.109	D	350,025	Air Transportation Centers of Excellence			
20.200	D	579,175	Highway Research and Development Program			
20.200	I	(4,316)	Highway Research and Development Program	SUB0000607/HR 20-05(	National Academies	
20.200	I	15,496	Highway Research and Development Program	HR 17-83 SUB0001094	National Academy of Sciences	
20.200	I	18,771	Highway Research and Development Program	207HAG573	Portland State University	
20.200	I	95,544	Highway Research and Development Program	HR 17-78 SUB0000919	National Academy of Sciences	
20.200	I	159,800	Highway Research and Development Program	HR 15-63 / UNIT 905	National Academy of Sciences	
20.205	I	11,887	Highway Planning and Construction	B038	Toole Design Group	
20.215	D	15,340	Highway Training and Education			
20.701	D	1,999,158	University Transportation Centers Program			
20.701	I	1,563	University Transportation Centers Program	206KOT565	Portland State University	
20.701	I	2,649	University Transportation Centers Program	207MCN580	Portland State University	
20.701	I	20,278	University Transportation Centers Program	A14-0490-S006	University of Tennessee	
20.701	I	124,800	University Transportation Centers Program	UFDSP00011676	University of Florida	
20.RD	D	20,842	U. S. Department of Transportation			A17-1332-001
20.RD	D	69,883	U. S. Department of Transportation			A18-0228-001
20.RD	D	184,649	U. S. Department of Transportation			A12-0480-001
20.RD	D	255,858	U. S. Department of Transportation			A11-1251-001
20.RD	I	(2)	U. S. Department of Transportation	UF-EIES-1200008-UNC	Southeastern Transportation Research, Inc.	A12-1152-001
20.RD	I	7,124	U. S. Department of Transportation	N/A	TransAnalytics	A16-0840-001
20.RD	I	8,502	U. S. Department of Transportation	38049-01	Vanasse Hangen Brustlin, (VHB) Inc.	A10-1687-001
20.RD	I	10,157	U. S. Department of Transportation	HR 03-62	National Academy of Sciences	A02-0884-001
20.RD	I	10,496	U. S. Department of Transportation	5480	Toole Design Group	A15-1708-001
20.RD	I	24,037	U. S. Department of Transportation	7078/ DTNH2216C00017	Toole Design Group	A17-0630-001
20.RD	I	28,471	U. S. Department of Transportation	4562FHWA-UNC-1	Cadmus Group	A18-0498-001
20.RD	I	95,829	U. S. Department of Transportation	SUB0000698 HR 17-73	National Academy of Sciences	A15-1454-001
20.RD	I	103,931	U. S. Department of Transportation	HR 17-72	National Academy of Sciences	A15-1512-001
20.RD	I	190,163	U. S. Department of Transportation	38541-15	Vanasse Hangen Brustlin, (VHB) Inc.	A16-1355-001
20.RD	I	191,861	U. S. Department of Transportation	38110-01	Vanasse Hangen Brustlin, (VHB) Inc.	A13-0948-001

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20.RD	I	740,258	U. S. Department of Transportation	38617-23	Vanasse Hangen Brustlin, (VHB) Inc.	A17-1457-001
39.RD	I	10,801	U. S. General Services Administration	2017-120101	National Association of County and City	A18-0721-001
42.RD	I	6,840	Library of Congress	N/A	Waynesburg University	A18-0509-001
43.001	D	1,022,423	Science			
43.001	I	6,764	Science	3003899011	University of Michigan (UMICH)	
43.001	I	11,212	Science	1554953	University of Colorado at Boulder	
43.001	I	21,279	Science	1295 G UA448	University of California at Los Angeles	
43.001	I	100,735	Science	16-806	Arizona State University	
43.007	D	25,505	Space Operations			
43.007	I	37,511	Space Operations	WFUHS 111777	Wake Forest University School of Medicine	
43.008	D	240,669	Education			
43.008	I	9,572	Education	2015-1942-CH-03	North Carolina Space Grant Consortium	
43.RD	D	14,446	National Aeronautics and Space Administration			A17-1015-001
43.RD	D	26,593	National Aeronautics and Space Administration			A18-0493-001
43.RD	D	51,542	National Aeronautics and Space Administration			A18-1026-001
43.RD	D	89,804	National Aeronautics and Space Administration			A17-1014-001
43.RD	I	(279)	National Aeronautics and Space Administration	HST-GO-13840.008-A	Space Telescope Science Institute	A15-0617-001
43.RD	I	107,834	National Aeronautics and Space Administration	HST-HF2-51357.001-A	Space Telescope Science Institute	A16-0620-001
45.024	D	85,538	Promotion of the Arts Grants to Organizations and Individuals			
45.130	D	526	Promotion of the Humanities Challenge Grants			
45.149	D	119,183	Promotion of the Humanities Division of Preservation and Access			
45.160	D	92,886	Promotion of the Humanities Fellowships and Stipends			
45.163	D	69,059	Promotion of the Humanities Professional Development			
45.310	I	49,042	Grants to States	5264	North Carolina Library Services and Tech	
45.310	I	473,526	Grants to States	5271	North Carolina State Library	
45.312	D	3,902	National Leadership Grants			
45.312	I	3,283	National Leadership Grants	18-3747	University of Texas at Arlington	
45.312	I	30,900	National Leadership Grants	UTA16-000464	University of Texas at Austin	
45.312	I	97,152	National Leadership Grants	LG-71-17-0016-17	Educopia Institute	
45.313	D	375,880	Laura Bush 21st Century Librarian Program			
45.313	I	12,516	Laura Bush 21st Century Librarian Program	077281-15576	University of Illinois Board of Trustees	A16-0247-001
45.RD	D	14,522	Federal Council on the Arts and the Humanities			
45.RD	I	2,000	Federal Council on the Arts and the Humanities	17-22	North Carolina Humanities Council	A17-1320-001
47.041	D	1,396,736	Engineering Grants			
47.041	I	31,762	Engineering Grants	333-2272	Duke University	
47.041	I	39,721	Engineering Grants	33791	University of Delaware	
47.049	D	9,896,497	Mathematical and Physical Sciences			
47.049	I	1,643	Mathematical and Physical Sciences	N/A	University of Nebraska at Lincoln	
47.049	I	41,349	Mathematical and Physical Sciences	12-NSF-1027	Duke University	
47.049	I	49,974	Mathematical and Physical Sciences	572460	University of Pennsylvania	
47.049	I	89,738	Mathematical and Physical Sciences	0044297(011606-1)	University of Pittsburgh	
47.049	I	110,504	Mathematical and Physical Sciences	UWSC6738/PO#BP07546	University of Washington	
47.050	D	3,063,180	Geosciences			
47.050	I	516	Geosciences	15-NSF-1076	Duke University	
47.050	I	3,185	Geosciences	1338606-18-01	Consortium of Universities for the Advan	
47.050	I	10,556	Geosciences	0111-0452-000	Battelle Ecology, Inc.	
47.050	I	19,747	Geosciences	S1974A-B	Oregon State University	
47.050	I	49,846	Geosciences	1338606-010	Consortium of Universities for the Advan	
47.070	D	6,074,807	Computer and Information Science and Engineering			
47.070	I	2,028	Computer and Information Science and Engineering	206FEN547	Portland State University	
47.070	I	8,085	Computer and Information Science and Engineering	PO 9500013180	BBN Technologies	
47.070	I	20,287	Computer and Information Science and Engineering	201260-473	Utah State University	
47.070	I	25,663	Computer and Information Science and Engineering	4101-82988	Purdue University	
47.070	I	28,406	Computer and Information Science and Engineering	289687	University of Arizona	
47.070	I	50,919	Computer and Information Science and Engineering	FP057117-SP-A	University of Chicago	
47.070	I	72,420	Computer and Information Science and Engineering	714K545	University of Wisconsin at Madison	
47.070	I	76,379	Computer and Information Science and Engineering	72170-1126587-2	SUNY at Stony Brook	
47.070	I	98,770	Computer and Information Science and Engineering	1905-206-2011806	Clemson University	
47.070	I	104,871	Computer and Information Science and Engineering	69159-1120129-2	SUNY at Stony Brook	
47.070	I	220,717	Computer and Information Science and Engineering	14564/PO#9500013132	Raytheon BBN Technologies Corp.	
47.074	D	5,846,635	Biological Sciences			

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47.074	I	(2,175)	Biological Sciences	478778-19467	Virginia Tech	
47.074	I	(725)	Biological Sciences	RR272-815/5054256	University of Georgia	
47.074	I	1,194	Biological Sciences	3161/200201411	Cary Institute of Ecosystem Studies	
47.074	I	4,430	Biological Sciences	RR272-671/S001368	University of Georgia	
47.074	I	6,925	Biological Sciences	4500002542	Boston University	
47.074	I	7,152	Biological Sciences	N/A	Salk Institute for Biological Studies	
47.074	I	21,425	Biological Sciences	57280A P3541 7802 21	SDSU Foundation	
47.074	I	36,885	Biological Sciences	PO209713	Salk Institute for Biological Studies	
47.074	I	42,311	Biological Sciences	61223139-121390	Stanford University	
47.074	I	50,565	Biological Sciences	52570114/PO 920962-S	Cold Spring Harbor Laboratory	
47.074	I	76,031	Biological Sciences	R1041544	SUNY at Buffalo	
47.074	I	79,140	Biological Sciences	479498-19467	Virginia Tech	
47.074	I	123,560	Biological Sciences	GA11020-142300	University of Virginia	
47.074	I	130,664	Biological Sciences	52570214	Cold Spring Harbor Laboratory	
47.075	D	1,760,730	Social, Behavioral, and Economic Sciences			
47.075	I	11,745	Social, Behavioral, and Economic Sciences	202435	University of Notre Dame	
47.075	I	18,901	Social, Behavioral, and Economic Sciences	078113-16102	University of Illinois at Urbana-Champaign	
47.075	I	24,011	Social, Behavioral, and Economic Sciences	61344013-122890	Stanford University	
47.075	I	36,025	Social, Behavioral, and Economic Sciences	5460-UNC-NSF-8661	Pennsylvania State University	
47.075	I	104,828	Social, Behavioral, and Economic Sciences	N/A	American Bar Foundation	
47.076	D	4,246,538	Education and Human Resources			
47.076	I	20,909	Education and Human Resources	N/A	Council of Graduate Schools (CGS)	
47.076	I	40,637	Education and Human Resources	4691-UNCCCH-NSF-6347	Pennsylvania State University	
47.076	I	154,590	Education and Human Resources	564K340	University of Wisconsin at Madison	
47.076	I	198,054	Education and Human Resources	BU9610-001	Associated Universities, Inc	
47.079	D	192,844	Office of International Science and Engineering			
47.079	I	24,048	Office of International Science and Engineering	UP1700296-UNC1	University of South Dakota	
47.080	D	171,318	Office of Cyberinfrastructure			
47.RD	D	108,663	National Science Foundation			A15-0793-001
47.RD	D	176,366	National Science Foundation			A17-0922-001
64.RD	D	5,823	U. S. Department of Veterans Affairs			A18-1093-001
64.RD	D	6,506	U. S. Department of Veterans Affairs			A18-1094-001
64.RD	D	7,626	U. S. Department of Veterans Affairs			A17-1353-001
64.RD	D	13,512	U. S. Department of Veterans Affairs			A17-1722-001
64.RD	D	14,702	U. S. Department of Veterans Affairs			A18-1092-001
64.RD	D	20,836	U. S. Department of Veterans Affairs			A17-1563-001
64.RD	D	21,708	U. S. Department of Veterans Affairs			A18-0525-001
64.RD	D	49,895	U. S. Department of Veterans Affairs			A17-1562-001
64.RD	D	49,963	U. S. Department of Veterans Affairs			A17-1561-001
66.203	D	341,451	Environmental Finance Center Grants			
66.424	D	1,691,181	Surveys, Studies, Investigations, Demonstrations, and Training Grants - Section 1442			
66.468	I	13,161	Capitalization Grants for Drinking Water State Revolving Funds	C50599078	Alabama Department of Environmental Management	
66.509	D	21,017	Science To Achieve Results (STAR) Research Program			
66.509	I	66,375	Science To Achieve Results (STAR) Research Program	00060507-01	Missouri University of Science and Technology	
66.509	I	74,960	Science To Achieve Results (STAR) Research Program	1(GG010809)	Columbia University	
66.511	D	1,182,179	Office of Research and Development Consolidated Research/Training/Fellowships			
66.514	D	16,191	Science To Achieve Results (STAR) Fellowship Program			
66.608	D	26,546	Environmental Information Exchange Network Grant Program and Related Assistance			
66.RD	D	182,741	U. S. Environmental Protection Agency			A15-0709-017
66.RD	D	573,824	U. S. Environmental Protection Agency			A16-1709-001
66.RD	D	709,357	U. S. Environmental Protection Agency			A13-0473-001
66.RD	D	1,810,763	U. S. Environmental Protection Agency			A15-0709-022
66.RD	I	15,852	U. S. Environmental Protection Agency	17EGPO0045	ICF Incorporated, LLC	A18-0457-001
81.049	D	6,404,595	Office of Science Financial Assistance Program			
81.049	I	3,601	Office of Science Financial Assistance Program	UTA16-000651	University of Texas at Austin	
81.049	I	22,592	Office of Science Financial Assistance Program	A18-0368-S001	University of Tennessee at Knoxville	
81.049	I	25,944	Office of Science Financial Assistance Program	68856	SUNY at Stony Brook	
81.049	I	267,258	Office of Science Financial Assistance Program	25-1215-0123-010	University of Nebraska at Lincoln	
81.087	I	103,729	Renewable Energy Research and Development	N/A	Energy Materials Corporation	
81.121	I	92,092	Nuclear Energy Research, Development and Demonstration	800007088-01	Florida International University	
81.RD	D	(9,411)	U. S. Department of Energy			A14-1560-001

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81.RD	D	638	U. S. Department of Energy			A15-0801-001
81.RD	D	28,413	U. S. Department of Energy			A18-0714-001
81.RD	I	63,531	U. S. Department of Energy	7F-30031	University of Chicago	A17-0780-001
81.RD	I	63,946	U. S. Department of Energy	4000139793	UT Battelle, LLC	A16-0143-001
81.RD	I	105,747	U. S. Department of Energy	4000120148	UT Battelle, LLC	A13-0941-001
84.007	D	613,199	Federal Supplemental Educational Opportunity Grants			
84.015	D	2,736,706	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program			
84.015	I	28,715	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	342-0081	Duke University	
84.015	I	96,323	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	15-ED-1054	Duke University	
84.015	I	196,271	National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	342-0083	Duke University	
84.022	D	168,832	Overseas Programs - Doctoral Dissertation Research Abroad			
84.033	D	1,758,594	Federal Work-Study Program			
84.038	D	24,179,760	Federal Perkins Loan Program - Federal Capital Contributions			
84.047	D	415,168	TRIO Upward Bound			
84.063	D	20,471,543	Federal Pell Grant Program			
84.116	D	715,648	Fund for the Improvement of Postsecondary Education			
84.129	D	331,764	Rehabilitation Long-Term Training			
84.217	D	129,971	TRIO McNair Post-Baccalaureate Achievement			
84.268	D	184,961,495	Federal Direct Student Loans			
84.305	D	3,224,857	Education Research, Development and Dissemination			
84.305	I	5,036	Education Research, Development and Dissemination	4876-UNCCH-USDE-0031	Pennsylvania State University	
84.305	I	50,660	Education Research, Development and Dissemination	15-ED-1095	Duke University	
84.305	I	71,160	Education Research, Development and Dissemination	721851-2	College of William and Mary	
84.305	I	115,218	Education Research, Development and Dissemination	3003143121	University of Michigan (UMICH)	
84.305	I	316,221	Education Research, Development and Dissemination	UNIV58617 3748-0198	Vanderbilt University	
84.305	I	349,983	Education Research, Development and Dissemination	43802	University of Delaware	
84.324	D	2,293,729	Research in Special Education			
84.325	D	768,808	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	I	564	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	2789-015468	Vanderbilt University	
84.326	D	5,576,954	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities			
84.326	I	8,614	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	224440Q	University of Oregon	
84.326	I	14,817	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	S00030018.0	WestEd	
84.327	D	964,033	Special Education Educational Technology Media, and Materials for Individuals with Disabilities			
84.373	I	141,641	Special Education Technical Assistance on State Data Collection	6189-S-006	Westat, Inc.	
84.373	I	1,307,292	Special Education Technical Assistance on State Data Collection	51-001279	SRI International	
84.RD	I	(4,200)	U. S. Department of Education	40346S03620	Mathematica Policy Research, Inc.	A14-0903-001
84.RD	I	8,664	U. S. Department of Education	R01615	Florida State University	A13-1084-001
89.003	D	19,379	National Historical Publications and Records Grants			
93.004	I	43,128	Cooperative Agreements to Improve the Health Status of Minority Populations	N/A	Universidad del Valle de Guatemala (UVG)	
93.004	I	88,892	Cooperative Agreements to Improve the Health Status of Minority Populations	5U01GH001003-05	Universidad del Valle de Guatemala (UVG)	
93.067	I	6,469	Global AIDS	1NU2GGH001920-01-00-	Centre for Infectious Disease Research	
93.067	I	11,510	Global AIDS	5NU2GGH001920-02-00	Centre for Infectious Disease Research	
93.068	D	585,982	Chronic Diseases: Research, Control, and Prevention			
93.068	I	131,472	Chronic Diseases: Research, Control, and Prevention	6543-00-S001	Westat, Inc.	
93.073	D	1,280,994	Birth Defects and Developmental Disabilities - Prevention and Surveillance			
93.073	I	5,283	Birth Defects and Developmental Disabilities - Prevention and Surveillance	216069	Duke University	
93.074	I	14,156	Hospital Preparedness Program (HPP) and Public Health Emergency Preparedness (PHEP) Aligned Cooperative Agreements	N/A	Mississippi Department of Health	
93.077	D	8,403,504	Family Smoking Prevention and Tobacco Control Act Regulatory Research			



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93.080	I	134,107	Blood Disorder Program: Prevention, Surveillance, and Research	ATHN2015001-IVN-3	American Thrombosis and Hemostasis Network	
93.080	I	188,383	Blood Disorder Program: Prevention, Surveillance, and Research	ATHN2015001-IVN-2	American Thrombosis and Hemostasis Network	
93.083	D	300,153	Prevention of Disease, Disability, and Death through Immunization and Control of Respiratory and Related Diseases			
93.084	I	131,792	Prevention of Disease, Disability, and Death by Infectious Diseases	2036220	Duke University	
93.088	I	19,898	Advancing System Improvements for Key Issues in Women's Health	N/A	North Carolina Coalition Against Domestic Violence	
93.088	I	89,663	Advancing System Improvements for Key Issues in Women's Health	N/A	North Carolina Coalition Against Domestic Violence	
93.088	I	104,531	Advancing System Improvements for Key Issues in Women's Health	N/A	North Carolina Coalition Against Domestic Violence	
93.103	D	846,965	Food and Drug Administration Research			
93.103	I	7,708	Food and Drug Administration Research	207574/215728	Duke University	
93.103	I	20,160	Food and Drug Administration Research	S-002335/PO15-00247	Applied Research Associates, Inc.	
93.107	D	881,930	Area Health Education Centers			
93.110	D	3,126,528	Maternal and Child Health Federal Consolidated Programs			
93.110	I	(1,244)	Maternal and Child Health Federal Consolidated Programs	608195277	Hemophilia of Georgia (HOG)	
93.110	I	6,289	Maternal and Child Health Federal Consolidated Programs	6 H30MC24046-07-00	Hemophilia of Georgia (HOG)	
93.110	I	21,113	Maternal and Child Health Federal Consolidated Programs	T822424	Emory University (EU)	
93.110	I	85,880	Maternal and Child Health Federal Consolidated Programs	6H30MC24046-06-02	Hemophilia of Georgia (HOG)	
93.113	D	10,615,932	Environmental Health			
93.113	I	(61,725)	Environmental Health	2001627675	Johns Hopkins University	
93.113	I	(2,140)	Environmental Health	16032	University of Illinois at Chicago (UIC)	
93.113	I	2,254	Environmental Health	203-7118	Duke University	
93.113	I	2,584	Environmental Health	2003583375	Johns Hopkins University	
93.113	I	7,292	Environmental Health	2-340-0215502-65237L	Research Triangle Institute (RTI International)	
93.113	I	9,450	Environmental Health	UWSC10029/ BPO26342	University of Washington	
93.113	I	13,138	Environmental Health	417115-G/UR FAO GR51	University of Rochester	
93.113	I	15,255	Environmental Health	93348042	University of Southern California (USC)	
93.113	I	18,642	Environmental Health	203-6060	Duke University	
93.113	I	23,704	Environmental Health	306048-1.00-63850	Henry M Jackson Foundation	
93.113	I	26,544	Environmental Health	203-6631	Duke University	
93.113	I	28,276	Environmental Health	2003271084	Johns Hopkins University	
93.113	I	42,749	Environmental Health	16032	University of Illinois at Chicago (UIC)	
93.113	I	45,556	Environmental Health	T778769	Emory University (EU)	
93.113	I	61,725	Environmental Health	2(GG010695-01)	Columbia University	
93.113	I	83,392	Environmental Health	00000542	Brown University	
93.113	I	106,512	Environmental Health	2003147882	Johns Hopkins University	
93.113	I	114,816	Environmental Health	4500002242	Boston University	
93.117	D	570,699	Preventive Medicine and Public Health Residency Training Program, Integrative Medicine Program, and National Center for Integrative Primary Healthcare			
93.121	D	9,759,975	Oral Diseases and Disorders Research			
93.121	I	(7,333)	Oral Diseases and Disorders Research	2000203699	Carolinas HealthCare System	
93.121	I	(5,998)	Oral Diseases and Disorders Research	UNC21127-2335	The Forsyth Institute	
93.121	I	1,389	Oral Diseases and Disorders Research	10034028-01	University of Utah	
93.121	I	2,326	Oral Diseases and Disorders Research	11529SUB	Seattle Children's Hospital	
93.121	I	2,451	Oral Diseases and Disorders Research	3002885068	University of Michigan (UMICH)	
93.121	I	10,534	Oral Diseases and Disorders Research	11531SUB	Seattle Children's Hospital	
93.121	I	13,345	Oral Diseases and Disorders Research	UFDSP00011631	University of Florida	
93.121	I	14,841	Oral Diseases and Disorders Research	10034028-01	University of Utah	
93.121	I	20,187	Oral Diseases and Disorders Research	11719SUB	Seattle Children's Hospital Research Institute	
93.121	I	21,469	Oral Diseases and Disorders Research	100852-00002	Tufts University	
93.121	I	25,884	Oral Diseases and Disorders Research	K002271-00-S01	Kitware, Inc.	
93.121	I	48,621	Oral Diseases and Disorders Research	3000301064 (14-050S7	Carolinas HealthCare System	
93.121	I	48,946	Oral Diseases and Disorders Research	2035823	Duke University	
93.121	I	52,137	Oral Diseases and Disorders Research	6R44DE022218-03	N2 Biomedical, LLC	
93.121	I	61,327	Oral Diseases and Disorders Research	22000010-170	The Methodist Hospital Research Institute	
93.121	I	85,921	Oral Diseases and Disorders Research	K002137-00-S01	Kitware, Inc.	
93.121	I	101,058	Oral Diseases and Disorders Research	100852-00003	Tufts University	
93.121	I	129,818	Oral Diseases and Disorders Research	2000203699 (14-050S7	Carolinas HealthCare System	
93.121	I	130,573	Oral Diseases and Disorders Research	573174	University of Pennsylvania	
93.121	I	210,447	Oral Diseases and Disorders Research	01060145	Beth Israel Deaconess Medical Center	
93.121	I	341,189	Oral Diseases and Disorders Research	22000007-133	The Methodist Hospital Research Institute	
93.127	D	264,716	Emergency Medical Services for Children			
93.135	D	2,198,163	Centers for Research and Demonstration for Health Promotion and Disease Prevention			

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
93.135	I	2,418	Centers for Research and Demonstration for Health Promotion and Disease Prevention	PO#3000602118/000033	University of Texas MD Anderson Cancer Center	
93.135	I	3,595	Centers for Research and Demonstration for Health Promotion and Disease Prevention	PO#3000620501/000334	University of Texas MD Anderson Cancer Center	
93.136	D	1,662,059	Injury Prevention and Control Research and State and Community Based Programs			
93.136	I	2,252	Injury Prevention and Control Research and State and Community Based Programs	W000915127/ 10017454	University of Iowa	
93.143	D	447,636	NIEHS Superfund Hazardous Substances Basic Research and Education			
93.143	I	23,786	NIEHS Superfund Hazardous Substances Basic Research and Education	02-M1800359	Texas A&M University	
93.143	I	78,554	NIEHS Superfund Hazardous Substances Basic Research and Education	02-M1800359	Texas A&M University	
93.145	I	51	HIV-Related Training and Technical Assistance	T066365	Emory University (EU)	
93.145	I	325	HIV-Related Training and Technical Assistance	VUMC 56921	Vanderbilt University	
93.145	I	5,102	HIV-Related Training and Technical Assistance	VUMC 56921	Vanderbilt University	
93.145	I	196,023	HIV-Related Training and Technical Assistance	VUMC 56921	Vanderbilt University	
93.153	I	4,485	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090061	Duke University Medical Center	
93.153	I	9,186	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090062	Duke University	
93.153	I	59,344	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	3090071	Duke University	
93.153	I	60,909	Coordinated Services and Access to Research for Women, Infants, Children, and Youth	309-0070	Duke University	
93.155	D	1,113,076	Rural Health Research Centers			
93.155	I	25,549	Rural Health Research Centers	W001061668 PO 10019	University of Iowa	
93.172	D	8,015,209	Human Genome Research			
93.172	I	8,991	Human Genome Research	0355	Rutgers the State University of New Jersey	
93.172	I	32,320	Human Genome Research	ULRF 16-0709-03	University of Louisville	
93.172	I	69,708	Human Genome Research	6120/ 575570	Rutgers the State University of New Jersey	
93.172	I	75,978	Human Genome Research	N/A	Cell Microsystems, Inc.	
93.173	D	2,089,937	Research Related to Deafness and Communication Disorders			
93.173	I	13,762	Research Related to Deafness and Communication Disorders	W000869978	University of Iowa	
93.173	I	33,237	Research Related to Deafness and Communication Disorders	SP0038317-PROJ001053	Northwestern University	
93.173	I	48,773	Research Related to Deafness and Communication Disorders	16-009267 A00	University of Massachusetts at Amherst	
93.173	I	51,853	Research Related to Deafness and Communication Disorders	89151268	University of Southern California (USC)	
93.173	I	59,799	Research Related to Deafness and Communication Disorders	R01DC011038	Boys Town National Research Hospital	
93.173	I	126,874	Research Related to Deafness and Communication Disorders	1001683015	University of Iowa	
93.173	I	255,416	Research Related to Deafness and Communication Disorders	R01DC015056	Boys Town National Research Hospital	
93.178	D	372,940	Nursing Workforce Diversity			
93.185	I	5,159	Immunization Research, Demonstration, Public Information and Education Training and Clinical Skills Improvement Projects	N/A	Kid Risk, Inc.	
93.186	D	326,683	National Research Service Award in Primary Care Medicine			
93.211	I	55,641	Telehealth Programs	W000892097/100156135	University of Iowa	
93.213	D	1,868,782	Research and Training in Complementary and Integrative Health			
93.213	I	3,519	Research and Training in Complementary and Integrative Health	2035538	Duke University	
93.213	I	27,447	Research and Training in Complementary and Integrative Health	203-7756	Duke University	
93.224	I	6,597	Health Center Program (Community Health Centers, Migrant Health Centers, Health Care for the Homeless, and Public Housing Primary Care)	N/A	Piedmont Health, Inc.	
93.225	D	643,013	National Research Service Awards Health Services Research Training			
93.226	D	5,928,253	Research on Healthcare Costs, Quality and Outcomes			
93.226	I	(258)	Research on Healthcare Costs, Quality and Outcomes	2039720	Duke University	
93.226	I	10,494	Research on Healthcare Costs, Quality and Outcomes	SP0034124-PROJ001010	Northwestern University	
93.226	I	22,825	Research on Healthcare Costs, Quality and Outcomes	2003209559	Johns Hopkins University	
93.226	I	61,944	Research on Healthcare Costs, Quality and Outcomes	2038055	Duke University	
93.226	I	72,123	Research on Healthcare Costs, Quality and Outcomes	203-8983	Duke University	
93.226	I	188,187	Research on Healthcare Costs, Quality and Outcomes	203-7625	Duke University	
93.241	I	(6,136)	State Rural Hospital Flexibility Program	P004027953	University of Minnesota	
93.241	I	2,413	State Rural Hospital Flexibility Program	PO 004027953	University of Minnesota	
93.241	I	325,020	State Rural Hospital Flexibility Program	P004027953	University of Minnesota	
93.242	D	32,095,564	Mental Health Research Grants			
93.242	I	(7,447)	Mental Health Research Grants	34-5250-2001-001	University of Nebraska Medical Center	
93.242	I	(298)	Mental Health Research Grants	N/A	Virtually Better, Inc.	
93.242	I	(37)	Mental Health Research Grants	T620330	Emory University (EU)	
93.242	I	(5)	Mental Health Research Grants	BL-4631228-UNC	Trustees of Indiana University	
93.242	I	488	Mental Health Research Grants	149869.5101563.0114	Harvard University Medical School	
93.242	I	1,645	Mental Health Research Grants	9420SC	University of California at San Francisco	
93.242	I	2,410	Mental Health Research Grants	00004510	University of Texas MD Anderson Cancer Center	
93.242	I	2,737	Mental Health Research Grants	227381	Massachusetts General Hospital	
93.242	I	4,426	Mental Health Research Grants	TUL-HSC-555238-17/18	Tulane University	
93.242	I	4,684	Mental Health Research Grants	0768	Pacific Institute for Research and Evaluation	

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
93.242	I	4,757	Mental Health Research Grants	SIS-31448-02	American University (AU)	
93.242	I	4,820	Mental Health Research Grants	31468-01	American University (AU)	
93.242	I	5,756	Mental Health Research Grants	709K936	University of Wisconsin at Madison	
93.242	I	8,521	Mental Health Research Grants	T856966	Emory University (EU)	
93.242	I	9,850	Mental Health Research Grants	087283-16478	University of Illinois at Urbana-Champaign	
93.242	I	10,497	Mental Health Research Grants	T931147	Emory University (EU)	
93.242	I	13,134	Mental Health Research Grants	60042322 UNC	Northwestern University	
93.242	I	13,248	Mental Health Research Grants	686K221	University of Wisconsin at Madison	
93.242	I	15,927	Mental Health Research Grants	2035821	Duke University	
93.242	I	16,575	Mental Health Research Grants	UWSC9149/ 15897	University of Washington	
93.242	I	18,227	Mental Health Research Grants	N/A	Kennedy Krieger Institute	
93.242	I	18,253	Mental Health Research Grants	0255-3351-4609	Mount Sinai School of Medicine	
93.242	I	18,878	Mental Health Research Grants	GENFD0001282076	Children's Hospital Boston	
93.242	I	19,650	Mental Health Research Grants	UWSC8457	University of Washington	
93.242	I	20,727	Mental Health Research Grants	WUJ-12-280/PO 2917859	Washington University in Saint Louis	
93.242	I	23,010	Mental Health Research Grants	9086SC	University of California at San Francisco	
93.242	I	23,378	Mental Health Research Grants	SP0037754-PROJ001102	Northwestern University	
93.242	I	23,794	Mental Health Research Grants	781K406	University of Wisconsin at Madison	
93.242	I	26,300	Mental Health Research Grants	34-5250-2001-001	University of Nebraska Medical Center	
93.242	I	31,557	Mental Health Research Grants	A004036501	University of Minnesota	
93.242	I	32,401	Mental Health Research Grants	SC37573-03-00	University of Denver	
93.242	I	32,507	Mental Health Research Grants	2017115109 MH106510	Kaiser Permanente Washington Health Research Institute	
93.242	I	34,161	Mental Health Research Grants	SP0037754-PROJ001040	Northwestern University	
93.242	I	34,226	Mental Health Research Grants	2012-05795-01-02	University of Illinois at Chicago (UIC)	
93.242	I	36,417	Mental Health Research Grants	N/A	Blackrock Microsystems	
93.242	I	36,934	Mental Health Research Grants	60040275 UNC	Northwestern University	
93.242	I	41,052	Mental Health Research Grants	9451SC	University of California at San Francisco	
93.242	I	42,686	Mental Health Research Grants	SPC-000505	University of Miami	
93.242	I	52,446	Mental Health Research Grants	TUL-HSC-555238-17/18	Tulane University	
93.242	I	59,728	Mental Health Research Grants	2015-3230	University of California at Irvine	
93.242	I	60,921	Mental Health Research Grants	2003250210	Johns Hopkins University	
93.242	I	68,826	Mental Health Research Grants	2034233	Duke University	
93.242	I	72,065	Mental Health Research Grants	PD303148-SC104511	Virginia Commonwealth University (VCU)	
93.242	I	72,210	Mental Health Research Grants	0744	Pacific Institute for Research and Evaluation	
93.242	I	77,703	Mental Health Research Grants	00001130	Brown University	
93.242	I	89,081	Mental Health Research Grants	IN4684136UNC	Trustees of Indiana University	
93.242	I	90,065	Mental Health Research Grants	N/A	Virtually Better, Inc.	
93.242	I	91,448	Mental Health Research Grants	2003027466	Johns Hopkins University	
93.242	I	100,888	Mental Health Research Grants	N/A	Caktus Consulting Group, LLC	
93.242	I	105,828	Mental Health Research Grants	A15-0085-S002	University of California at Davis	
93.242	I	125,694	Mental Health Research Grants	416351	University of Rochester	
93.242	I	131,352	Mental Health Research Grants	3001008468	University of Texas MD Anderson Cancer Center	
93.242	I	158,417	Mental Health Research Grants	8288SC	University of California at San Francisco	
93.242	I	164,790	Mental Health Research Grants	9701SC	University of California at San Francisco	
93.242	I	252,533	Mental Health Research Grants	N/A	Xona Microfluidics, LLC	
93.243	D	1,372,567	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.243	I	(252)	Substance Abuse and Mental Health Services Projects of Regional and National Significance	M17A12587(A10895)	Yale University	
93.243	I	4,659	Substance Abuse and Mental Health Services Projects of Regional and National Significance	M17A12587(CON-800009	Yale University	
93.243	I	9,837	Substance Abuse and Mental Health Services Projects of Regional and National Significance	0065184/00052430	University of Missouri at Kansas City	
93.243	I	10,398	Substance Abuse and Mental Health Services Projects of Regional and National Significance	4600469202	South Carolina Department of Health and	
93.243	I	27,774	Substance Abuse and Mental Health Services Projects of Regional and National Significance	4600469202	South Carolina Department of Health and	
93.247	D	299,873	Advanced Nursing Education Workforce Grant Program			
93.260	I	281,248	Family Planning Personnel Training	37223.2017.0001	John Snow, Inc. (JSI)	
93.262	D	1,603,330	Occupational Safety and Health Program			
93.262	I	843	Occupational Safety and Health Program	PO0000112383	University of Rhode Island	
93.262	I	5,885	Occupational Safety and Health Program	17-A1-00-006508-01/	New York University (NYU)	

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93.262	I	98,212	Occupational Safety and Health Program	4885/102815 128669	University of Rhode Island	
93.264	D	898,966	Nurse Faculty Loan Program (NFLP)			
93.273	D	9,834,131	Alcohol Research Programs			
93.273	I	11,379	Alcohol Research Programs	761-SUB	Cleveland Clinic Foundation	
93.273	I	147,835	Alcohol Research Programs	14-NIH-1043	Duke University	
93.273	I	203,574	Alcohol Research Programs	0059011 (130258)	University of Pittsburgh	
93.279	D	9,393,991	Drug Abuse and Addiction Research Programs			
93.279	I	(1)	Drug Abuse and Addiction Research Programs	N/A	Jackson Laboratory	
93.279	I	403	Drug Abuse and Addiction Research Programs	2-312-0214377-51847L	Research Triangle Institute (RTI International)	
93.279	I	1,449	Drug Abuse and Addiction Research Programs	2037179	Duke University	
93.279	I	5,692	Drug Abuse and Addiction Research Programs	2-340-0215297-52570L	Research Triangle Institute (RTI International)	
93.279	I	7,232	Drug Abuse and Addiction Research Programs	2-340-0215297-52570L	Research Triangle Institute (RTI International)	
93.279	I	7,232	Drug Abuse and Addiction Research Programs	GR1026976 (CON-80001	Yale University	
93.279	I	9,349	Drug Abuse and Addiction Research Programs	7017137280	Rhode Island Hospital	
93.279	I	11,803	Drug Abuse and Addiction Research Programs	UFDSP00011926	University of Florida	
93.279	I	15,959	Drug Abuse and Addiction Research Programs	7147060LBR	Miriam Hospital	
93.279	I	18,199	Drug Abuse and Addiction Research Programs	R01DA032533/149R183	Dartmouth College	
93.279	I	24,127	Drug Abuse and Addiction Research Programs	1-340-0216071-65060L	Research Triangle Institute (RTI International)	
93.279	I	24,854	Drug Abuse and Addiction Research Programs	210247-0418-07	Jackson Laboratory	
93.279	I	30,716	Drug Abuse and Addiction Research Programs	3-312-0216046-65211L	Research Triangle Institute (RTI International)	
93.279	I	34,749	Drug Abuse and Addiction Research Programs	2036645	Duke University	
93.279	I	35,150	Drug Abuse and Addiction Research Programs	2-312-0216046-65212L	Research Triangle Institute (RTI International)	
93.279	I	53,777	Drug Abuse and Addiction Research Programs	2037538	Duke University	
93.279	I	53,959	Drug Abuse and Addiction Research Programs	2035733	Duke University	
93.279	I	57,415	Drug Abuse and Addiction Research Programs	5-27127	Scripps Research Institute	
93.279	I	58,437	Drug Abuse and Addiction Research Programs	0001325422	Cedars Sinai Medical Center	
93.279	I	62,140	Drug Abuse and Addiction Research Programs	1-R01-DA045657-01	NIH National Institute on Drug Abuse (NIDA)	
93.279	I	66,202	Drug Abuse and Addiction Research Programs	60061683	Ohio State University	
93.279	I	121,811	Drug Abuse and Addiction Research Programs	N/A	Jackson Laboratory	
93.279	I	140,300	Drug Abuse and Addiction Research Programs	5-20983	Scripps Research Institute	
93.279	I	153,291	Drug Abuse and Addiction Research Programs	61878019	University of Southern California (USC)	
93.283	D	1,723,245	Centers for Disease Control and Prevention Investigations and Technical Assistance			
93.283	I	3,951	Centers for Disease Control and Prevention Investigations and Technical Assistance	N/A	American Thrombosis and Hemostasis Network	
93.283	I	71,942	Centers for Disease Control and Prevention Investigations and Technical Assistance	5U01GH001003-04	Universidad del Valle de Guatemala (UVG)	
93.286	D	3,430,029	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.286	I	2,160	Discovery and Applied Research for Technological Innovations to Improve Human Health	VUMC 60090	Vanderbilt University	
93.286	I	11,470	Discovery and Applied Research for Technological Innovations to Improve Human Health	1(GG012399)	Columbia University	
93.286	I	19,313	Discovery and Applied Research for Technological Innovations to Improve Human Health	59046	Vanderbilt University	
93.286	I	25,549	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-5442	Duke University	
93.286	I	31,921	Discovery and Applied Research for Technological Innovations to Improve Human Health	UNIV 58419/2186-0163	Vanderbilt University Medical Center	
93.286	I	33,444	Discovery and Applied Research for Technological Innovations to Improve Human Health	K001837-00-S01	Kitware, Inc.	
93.286	I	37,949	Discovery and Applied Research for Technological Innovations to Improve Human Health	VUMC 60090	Vanderbilt University	
93.286	I	40,866	Discovery and Applied Research for Technological Innovations to Improve Human Health	RFA-EB-16-001	Brim Technologies	
93.286	I	53,539	Discovery and Applied Research for Technological Innovations to Improve Human Health	N/A	Medical College of Wisconsin	
93.286	I	58,543	Discovery and Applied Research for Technological Innovations to Improve Human Health	SP0039578-PROJ001187	Northwestern University	
93.286	I	66,134	Discovery and Applied Research for Technological Innovations to Improve Human Health	FY2017-040	University of Kansas Center for Research	
93.286	I	67,752	Discovery and Applied Research for Technological Innovations to Improve Human Health	203-6700	Duke University	
93.286	I	170,595	Discovery and Applied Research for Technological Innovations to Improve Human Health	RR168-708/S001393	University of Georgia	
93.286	I	329,099	Discovery and Applied Research for Technological Innovations to Improve Human Health	K001687-00-S01	Kitware, Inc.	
93.300	D	448,914	National Center for Health Workforce Analysis			
93.300	I	(549)	National Center for Health Workforce Analysis	4743-01	Health Research Incorporated	
93.300	I	(15)	National Center for Health Workforce Analysis	4743-02	Health Research Incorporated	
93.300	I	26,422	National Center for Health Workforce Analysis	3004232572	University of Michigan (UMICH)	
93.300	I	35,658	National Center for Health Workforce Analysis	4743-04	Health Research Incorporated	
93.300	I	52,408	National Center for Health Workforce Analysis	3004232572	University of Michigan (UMICH)	
93.300	I	56,993	National Center for Health Workforce Analysis	18-4	SUNY Research Foundation	
93.307	D	1,873,173	Minority Health and Health Disparities Research			
93.307	I	6,380	Minority Health and Health Disparities Research	52211-UNC	University of Arkansas	
93.307	I	6,525	Minority Health and Health Disparities Research	573518	University of Pennsylvania	
93.307	I	8,714	Minority Health and Health Disparities Research	M17A12612(A10950)	Yale University	
93.307	I	12,764	Minority Health and Health Disparities Research	SPC-000444	University of Miami	

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93.307	I	15,602	Minority Health and Health Disparities Research	31106A	Albert Einstein College of Medicine, Inc.	
93.307	I	30,271	Minority Health and Health Disparities Research	571099	University of Pennsylvania	
93.307	I	36,425	Minority Health and Health Disparities Research	M17A12612(CON-800006	Yale University	
93.307	I	38,267	Minority Health and Health Disparities Research	52211-UNC	University of Arkansas	
93.307	I	41,101	Minority Health and Health Disparities Research	140214SEA043-27	Meharry Medical College	
93.307	I	44,431	Minority Health and Health Disparities Research	PO610384/31106A	Albert Einstein College of Medicine, Inc.	
93.307	I	44,598	Minority Health and Health Disparities Research	3002987899	University of Michigan (UMICH)	
93.307	I	88,768	Minority Health and Health Disparities Research	088353-16582	University of Illinois at Urbana-Champaign	
93.307	I	193,568	Minority Health and Health Disparities Research	16-2910/PO2000005316	University of South Carolina (USC)	
93.310	D	7,855,459	Trans-NIH Research Support			
93.310	I	(950)	Trans-NIH Research Support	3003124659	University of Michigan (UMICH)	
93.310	I	173	Trans-NIH Research Support	68-1096429	California Institute of Technology (CalTech)	
93.310	I	1,440	Trans-NIH Research Support	0255-2291-4609	Mount Sinai School of Medicine	
93.310	I	3,952	Trans-NIH Research Support	PO 143737	University of New Mexico at Albuquerque	
93.310	I	5,734	Trans-NIH Research Support	9525	Women and Infants Hospital of Rhode Island	
93.310	I	6,736	Trans-NIH Research Support	R902	Dartmouth College	
93.310	I	7,817	Trans-NIH Research Support	16-A0-00-006256-01	NYU Medical Center	
93.310	I	11,119	Trans-NIH Research Support	800110	Drexel University	
93.310	I	14,358	Trans-NIH Research Support	0255-2292-4609	Mount Sinai School of Medicine	
93.310	I	19,640	Trans-NIH Research Support	9525	Women and Infants Hospital of Rhode Island	
93.310	I	20,430	Trans-NIH Research Support	R902	Dartmouth College	
93.310	I	29,174	Trans-NIH Research Support	16-A0-00-006256-01	NYU Medical Center	
93.310	I	49,918	Trans-NIH Research Support	18-330	Arizona State University	
93.310	I	65,061	Trans-NIH Research Support	800110	Drexel University	
93.310	I	83,716	Trans-NIH Research Support	68-1096429	California Institute of Technology (CalTech)	
93.310	I	88,985	Trans-NIH Research Support	1-312-0215007-52418L	Research Triangle Institute (RTI International)	
93.310	I	126,604	Trans-NIH Research Support	F8708-03	New York University (NYU)	
93.310	I	135,402	Trans-NIH Research Support	203-8397	Duke University	
93.310	I	156,245	Trans-NIH Research Support	1-340-0215040-52885L	Research Triangle Institute (RTI International)	
93.310	I	179,551	Trans-NIH Research Support	2037591	Duke University	
93.310	I	383,055	Trans-NIH Research Support	F0018-03	New York University (NYU)	
93.322	I	66,519	CSELS Partnership: Strengthening Public Health Laboratories	56400-200-922-18-12	Association of Public Health Laboratorie	
93.330	D	99,982	Leadership in Public Health Social Work Education Grant Program			
93.342	D	3,648,453	Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged			
93.350	D	14,052,058	National Center for Advancing Translational Sciences			
93.350	I	(3,064)	National Center for Advancing Translational Sciences	1-312-0215481-52686L	Research Triangle Institute (RTI International)	
93.350	I	203	National Center for Advancing Translational Sciences	1441TR001330-01	Intos Pharmaceuticals, LLC	
93.350	I	20,809	National Center for Advancing Translational Sciences	100107-00007	Tufts University	
93.350	I	28,659	National Center for Advancing Translational Sciences	203-7551	Duke University	
93.350	I	31,840	National Center for Advancing Translational Sciences	1-312-0215481-52686L	Research Triangle Institute (RTI International)	
93.350	I	90,602	National Center for Advancing Translational Sciences	N/A	Falcon Therapeutics, Inc.	
93.350	I	95,562	National Center for Advancing Translational Sciences	MUSC17-042-8C828	Medical University of South Carolina (MUSC)	
93.350	I	111,513	National Center for Advancing Translational Sciences	0055353 (129324-30)	University of Pittsburgh	
93.350	I	278,283	National Center for Advancing Translational Sciences	1R44TR001916-02/ PA-	Luceome Biotechnologies, L.L.C.	
93.351	D	2,573,473	Research Infrastructure Programs			
93.359	D	138,970	Nurse Education, Practice Quality and Retention Grants			
93.359	I	1,597	Nurse Education, Practice Quality and Retention Grants	1618NEPQR	Piedmont Health, Inc.	
93.359	I	251,581	Nurse Education, Practice Quality and Retention Grants	1618NEPQR	Piedmont Health, Inc.	
93.361	D	2,028,476	Nursing Research			
93.361	I	(8,687)	Nursing Research	2039778	Duke University	
93.361	I	1,608	Nursing Research	214931	Duke University	
93.361	I	2,021	Nursing Research	2015-06577	University of Illinois at Chicago (UIC)	
93.361	I	8,687	Nursing Research	203-8505	Duke University	
93.361	I	33,228	Nursing Research	2034749	Duke University	
93.361	I	34,341	Nursing Research	60059901	Ohio State University	
93.361	I	50,937	Nursing Research	30003061-01-07	Children's Research Institute	
93.361	I	80,645	Nursing Research	T807191	Emory University (EU)	
93.361	I	90,924	Nursing Research	2035898	Duke University	
93.393	D	9,491,285	Cancer Cause and Prevention Research			
93.393	I	(42,815)	Cancer Cause and Prevention Research	T253674	Emory University (EU)	
93.393	I	(17,849)	Cancer Cause and Prevention Research	VUMC58792	Vanderbilt University Medical Center	

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Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
93.393	I	(2,318)	Cancer Cause and Prevention Research	2010-03794-03-04/ E0	University of Illinois at Chicago (UIC)	
93.393	I	4,773	Cancer Cause and Prevention Research	411518_GR412884-UNC	Georgetown University	
93.393	I	6,092	Cancer Cause and Prevention Research	60037274 UNC	Northwestern University	
93.393	I	6,292	Cancer Cause and Prevention Research	150159.5077497.0002	Harvard University	
93.393	I	9,335	Cancer Cause and Prevention Research	SCR/17/02	International Agency for Research on Cancer	
93.393	I	9,666	Cancer Cause and Prevention Research	FP00003673_SA001	Virginia Commonwealth University (VCU)	
93.393	I	11,531	Cancer Cause and Prevention Research	0255-6601-4609	Mount Sinai School of Medicine	
93.393	I	13,212	Cancer Cause and Prevention Research	T487797	Emory University (EU)	
93.393	I	13,326	Cancer Cause and Prevention Research	565706	University of Pennsylvania	
93.393	I	13,582	Cancer Cause and Prevention Research	VUMC 58928	Vanderbilt University Medical Center	
93.393	I	14,376	Cancer Cause and Prevention Research	CA154292-05-UNC	Kaiser Permanente Washington Health Research Institute	
93.393	I	14,517	Cancer Cause and Prevention Research	RNG200623-UNC-03	Kaiser Foundation Research Institute	
93.393	I	15,537	Cancer Cause and Prevention Research	10252sc	University of California Regents	
93.393	I	20,978	Cancer Cause and Prevention Research	10010sc	University of California at San Francisco	
93.393	I	22,047	Cancer Cause and Prevention Research	565706/PO3998528	University of Pennsylvania	
93.393	I	24,167	Cancer Cause and Prevention Research	130544-G003764	Washington State University	
93.393	I	26,481	Cancer Cause and Prevention Research	G021.UNC.01	University of Illinois at Chicago (UIC)	
93.393	I	28,205	Cancer Cause and Prevention Research	2035764	Duke University	
93.393	I	36,915	Cancer Cause and Prevention Research	0255-6601-4609	Mount Sinai School of Medicine	
93.393	I	43,854	Cancer Cause and Prevention Research	01027406	Beth Israel Deaconess Medical Center	
93.393	I	43,890	Cancer Cause and Prevention Research	AH000632	Harvard Pilgrim Health Care	
93.393	I	51,617	Cancer Cause and Prevention Research	2002986020	Johns Hopkins University	
93.393	I	70,437	Cancer Cause and Prevention Research	3004700015	University of Michigan (UMICH)	
93.393	I	71,351	Cancer Cause and Prevention Research	FY16.804.001	University of Colorado Denver	
93.393	I	190,843	Cancer Cause and Prevention Research	N/A	BD Technologies	
93.393	I	222,728	Cancer Cause and Prevention Research	VUMC58792	Vanderbilt University Medical Center	
93.393	I	301,277	Cancer Cause and Prevention Research	201603696-08	University of California at Davis	
93.393	I	313,639	Cancer Cause and Prevention Research	1-312-0215410-52694L	Research Triangle Institute (RTI International)	
93.393	I	418,509	Cancer Cause and Prevention Research	3RCQ4	University of New Mexico at Albuquerque	
93.394	D	3,541,956	Cancer Detection and Diagnosis Research			
93.394	I	2,162	Cancer Detection and Diagnosis Research	7000000410	Baylor College of Medicine	
93.394	I	5,775	Cancer Detection and Diagnosis Research	WU-17-279	Washington University in Saint Louis	
93.394	I	10,508	Cancer Detection and Diagnosis Research	CRA NO GEP /16/07	International Agency for Research on Cancer	
93.394	I	11,194	Cancer Detection and Diagnosis Research	60046298 UNC	Northwestern University	
93.394	I	12,514	Cancer Detection and Diagnosis Research	R1109660	SUNY at Buffalo	
93.394	I	12,576	Cancer Detection and Diagnosis Research	0000940715	Fred Hutchinson Cancer Research Center	
93.394	I	22,486	Cancer Detection and Diagnosis Research	CRA NO GEP /16/07	International Agency for Research on Cancer	
93.394	I	25,497	Cancer Detection and Diagnosis Research	0000903490	Fred Hutchinson Cancer Research Center	
93.394	I	27,390	Cancer Detection and Diagnosis Research	SUB0000166	Princeton University	
93.394	I	28,104	Cancer Detection and Diagnosis Research	3004034932	University of Michigan (UMICH)	
93.394	I	30,709	Cancer Detection and Diagnosis Research	N/A	BioFluidica Microtechnologies, LLC	
93.394	I	31,978	Cancer Detection and Diagnosis Research	7000000410	Baylor College of Medicine	
93.394	I	40,398	Cancer Detection and Diagnosis Research	203-5616	Duke University	
93.394	I	44,662	Cancer Detection and Diagnosis Research	41950-A	City University of New York (CUNY)	
93.394	I	60,755	Cancer Detection and Diagnosis Research	N/A	Asystbio Laboratories, LLC	
93.394	I	67,276	Cancer Detection and Diagnosis Research	K000646-00-S01	Kitware, Inc.	
93.394	I	80,108	Cancer Detection and Diagnosis Research	SUB0000166	Princeton University	
93.394	I	180,391	Cancer Detection and Diagnosis Research	203-6050	Duke University	
93.395	D	12,251,814	Cancer Treatment Research			
93.395	I	(5,263)	Cancer Treatment Research	1568 G TA857	University of California at Los Angeles	
93.395	I	(1,407)	Cancer Treatment Research	64871814 / CAR-19432	Mayo Clinic	
93.395	I	(1)	Cancer Treatment Research	310472	Albert Einstein College of Medicine, Inc.	
93.395	I	2,038	Cancer Treatment Research	310472	Albert Einstein College of Medicine, Inc.	
93.395	I	2,039	Cancer Treatment Research	UCH-194321/ PO655786	Mayo Clinic in Rochester	
93.395	I	8,681	Cancer Treatment Research	N/A	Children's Hospital of Philadelphia	
93.395	I	9,126	Cancer Treatment Research	0903 PO #20203	National Marrow Donor Program	
93.395	I	9,560	Cancer Treatment Research	VUMC 57291	Vanderbilt University Medical Center	
93.395	I	10,117	Cancer Treatment Research	U10CA180820-01-UNC1	American College of Radiology Imaging Network	
93.395	I	13,740	Cancer Treatment Research	60049335	Ohio State University	
93.395	I	14,827	Cancer Treatment Research	2035883	Duke University	
93.395	I	18,301	Cancer Treatment Research	1568 G UA023	University of California at Los Angeles	

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93.395	I	23,353	Cancer Treatment Research	7000000573	Baylor College of Medicine	
93.395	I	24,062	Cancer Treatment Research	64871945 UNC 194321-	Mayo Clinic	
93.395	I	26,912	Cancer Treatment Research	UTA14-001433	University of Texas (UT)	
93.395	I	27,453	Cancer Treatment Research	1568 G UA023	University of California at Los Angeles	
93.395	I	41,413	Cancer Treatment Research	961188-RSUB	Children's Hospital of Philadelphia	
93.395	I	41,961	Cancer Treatment Research	NOR-194321	Mayo Clinic	
93.395	I	52,334	Cancer Treatment Research	FY2016-005	University of Kansas Center for Research	
93.395	I	60,750	Cancer Treatment Research	65507744 UNC 194321-	Mayo Clinic	
93.395	I	61,857	Cancer Treatment Research	2035886	Duke University	
93.395	I	62,394	Cancer Treatment Research	1568 G TA857	University of California at Los Angeles	
93.395	I	71,326	Cancer Treatment Research	1568 G UA696	University of California at Los Angeles	
93.395	I	72,707	Cancer Treatment Research	2035177	Duke University	
93.395	I	85,564	Cancer Treatment Research	FY2016-020-M1	University of Kansas Center for Research	
93.395	I	107,884	Cancer Treatment Research	1568 G UA696	University of California at Los Angeles	
93.395	I	150,855	Cancer Treatment Research	2035335	Duke University	
93.395	I	183,541	Cancer Treatment Research	1568 G TA857 4-44134	University of California at Los Angeles	
93.395	I	224,704	Cancer Treatment Research	0255-3281-4609	Mount Sinai School of Medicine	
93.395	I	314,077	Cancer Treatment Research	CRA/SCR/2017/18	International Agency for Research on Cancer	
93.396	D	9,808,583	Cancer Biology Research			
93.396	I	6,489	Cancer Biology Research	F-2017-106	University of Toledo	
93.396	I	11,445	Cancer Biology Research	F-2016-27	University of Toledo	
93.396	I	13,740	Cancer Biology Research	F-2016-26	University of Toledo	
93.396	I	33,776	Cancer Biology Research	3001135426	University of Texas MD Anderson Cancer Center	
93.396	I	53,342	Cancer Biology Research	009680-002	University of Cincinnati	
93.396	I	63,464	Cancer Biology Research	98104520	University of Southern California (USC)	
93.396	I	71,319	Cancer Biology Research	00003043/ PO 3000940	University of Texas MD Anderson Cancer Center	
93.396	I	94,545	Cancer Biology Research	647K662	University of Wisconsin at Madison	
93.397	D	13,572,885	Cancer Centers Support Grants			
93.397	I	3,308	Cancer Centers Support Grants	RES513129	Case Western Reserve University	
93.397	I	6,183	Cancer Centers Support Grants	WU-18-80 2934422E	Washington University in St. Louis School	
93.397	I	6,839	Cancer Centers Support Grants	1231004	Dana Farber Cancer Institute	
93.397	I	8,044	Cancer Centers Support Grants	61399862-117724	Stanford University	
93.397	I	10,809	Cancer Centers Support Grants	1230604	Dana Farber Cancer Institute	
93.397	I	13,156	Cancer Centers Support Grants	WU-17-161	Washington University in St. Louis School	
93.397	I	33,132	Cancer Centers Support Grants	RES512488	Case Western Reserve University	
93.397	I	36,714	Cancer Centers Support Grants	VUMC60498	Vanderbilt University Medical Center	
93.397	I	41,520	Cancer Centers Support Grants	RES512160	Case Western Reserve University	
93.397	I	99,352	Cancer Centers Support Grants	MUSC15-085	Medical University of South Carolina (MUSC)	
93.397	I	130,339	Cancer Centers Support Grants	IN4681938UNC	Indiana University at Indianapolis	
93.397	I	184,341	Cancer Centers Support Grants	WU-18-76 2934358E	Washington University in St. Louis School	
93.397	I	203,025	Cancer Centers Support Grants	IN4689857UNC/2058940	Indiana University at Indianapolis	
93.398	D	4,373,610	Cancer Research Manpower			
93.424	I	746	NON-ACA/PPHF - Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	N/A	Association of University Centers on Disability	
93.424	I	9,082	NON-ACA/PPHF - Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	G804	National Network of Public Health Institution	
93.424	I	52,564	NON-ACA/PPHF - Building Capacity of the Public Health System to Improve Population Health through National Nonprofit Organizations	1762018/ 210-1401-5	National Association of Chronic Disease	
93.524	I	2,663	Building Capacity of the Public Health System to Improve Population Health through National, Non-Profit Organizations- financed in part by Prevention and Public Health Funds (PPHF)	G921	National Network of Public Health Institution	
93.524	I	3,149	Building Capacity of the Public Health System to Improve Population Health through National, Non-Profit Organizations- financed in part by Prevention and Public Health Funds (PPHF)	G1160	National Network of Public Health Institution	
93.600	D	(1,119)	Head Start			
93.600	I	8,182	Head Start	SC36898U-03-04/ PO14	University of Denver	
93.600	I	1,200,419	Head Start	201709277N	Zero to Three	
93.602	I	60,190	Assets for Independence Demonstration Program	13-312-0214780-65076	Research Triangle Institute (RTI International)	
93.610	D	774,839	Health Care Innovation Awards (HCIA)			
93.610	I	(5,481)	Health Care Innovation Awards (HCIA)	N/A	North Carolina Community Care Networks (CCNC)	
93.610	I	94,705	Health Care Innovation Awards (HCIA)	N/A	Community Care of North Carolina (CCNC)	
93.610	I	168,995	Health Care Innovation Awards (HCIA)	N/A	Community Care of North Carolina (CCNC)	

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93.632	D	565,093	University Centers for Excellence in Developmental Disabilities Education, Research, and Service			
93.638	I	40,877	ACA-Transforming Clinical Practice Initiative: Practice Transformation Networks (PTNs)	N/A	Community Care of North Carolina (CCNC)	
93.652	I	59,952	Adoption Opportunities	N/A	Spaulding for Children, National Research	
93.652	I	123,302	Adoption Opportunities	N/A	Spaulding for Children, National Research	
93.670	D	261,847	Child Abuse and Neglect Discretionary Activities			
93.701	I	(2,181)	Trans-NIH Recovery Act Research Support	N/A	Brain Plasticity, Inc.	
93.715	I	(12,592)	Recovery Act - Comparative Effectiveness Research	N/A	Community Care of North Carolina (CCNC)	
93.732	D	192,992	Mental and Behavioral Health Education and Training Grants			
93.757	I	15,483	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	5888CD40	Iowa Department of Public Health (IDPH)	
93.757	I	15,795	State and Local Public Health Actions to Prevent Obesity, Diabetes, Heart Disease and Stroke (PPHF)	709P632546	Virginia Department of Health	
93.778	I	10,434	Medical Assistance Program	1-312-0215922-65095L	Research Triangle Institute (RTI International)	
93.779	D	125,960	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations			
93.809	I	2,065	National Organizations for Chronic Disease Prevention and Health Promotion	3012018	National Association of Chronic Disease	
93.809	I	2,480	National Organizations for Chronic Disease Prevention and Health Promotion	3002018	National Association of Chronic Disease	
93.815	I	43,400	Domestic Ebola Supplement to the Epidemiology and Laboratory Capacity for Infectious Diseases (ELC).	34349-65718	Tennessee Department of Health	
93.837	D	19,621,224	Cardiovascular Diseases Research			
93.837	I	(43,264)	Cardiovascular Diseases Research	N/A	Duke University	
93.837	I	(9,132)	Cardiovascular Diseases Research	P000640503	University of Minnesota	
93.837	I	(6,847)	Cardiovascular Diseases Research	60050102	Ohio State University	
93.837	I	(4,859)	Cardiovascular Diseases Research	N/A	Yale University	
93.837	I	(4,708)	Cardiovascular Diseases Research	WFUHS 115767	Wake Forest University Health Sciences	
93.837	I	(3,290)	Cardiovascular Diseases Research	N/A	Massachusetts General Hospital	
93.837	I	(3,238)	Cardiovascular Diseases Research	N/A	Nanometics, LLC	
93.837	I	(2,781)	Cardiovascular Diseases Research	0041597 (125465-1)	University of Pittsburgh	
93.837	I	(1,925)	Cardiovascular Diseases Research	W000710699/ PO 10014	University of Iowa	
93.837	I	(1,178)	Cardiovascular Diseases Research	761545/UWSC7852	University of Washington	
93.837	I	(187)	Cardiovascular Diseases Research	758-SUB	Cleveland Clinic	
93.837	I	(8)	Cardiovascular Diseases Research	N/A	Path BioAnalytics	
93.837	I	26	Cardiovascular Diseases Research	6763SC	University of California at San Francisco	
93.837	I	44	Cardiovascular Diseases Research	710-9144	Miriam Hospital	
93.837	I	316	Cardiovascular Diseases Research	T848176	Emory University (EU)	
93.837	I	681	Cardiovascular Diseases Research	00000728	Brown University	
93.837	I	905	Cardiovascular Diseases Research	WFUHS 115749	Wake Forest University Health Sciences	
93.837	I	2,131	Cardiovascular Diseases Research	60055475/ RF01459151	Ohio State University	
93.837	I	2,729	Cardiovascular Diseases Research	000503570-008	University of Alabama at Birmingham	
93.837	I	4,145	Cardiovascular Diseases Research	N/A	New England Research Institutes	
93.837	I	5,715	Cardiovascular Diseases Research	N/A	Medical College of Wisconsin	
93.837	I	6,424	Cardiovascular Diseases Research	000503570-008	University of Alabama at Birmingham	
93.837	I	8,685	Cardiovascular Diseases Research	114117	Brigham and Women's Hospital	
93.837	I	13,492	Cardiovascular Diseases Research	114117	Brigham and Women's Hospital	
93.837	I	13,986	Cardiovascular Diseases Research	N/A	Chimera Biotechnology, Inc.	
93.837	I	19,010	Cardiovascular Diseases Research	N/A	Washington University in Saint Louis	
93.837	I	20,245	Cardiovascular Diseases Research	2003634963	Johns Hopkins University	
93.837	I	21,180	Cardiovascular Diseases Research	2002882979	Johns Hopkins University	
93.837	I	22,057	Cardiovascular Diseases Research	2035773	Duke University	
93.837	I	22,222	Cardiovascular Diseases Research	W000961822/ PO100179	University of Iowa	
93.837	I	22,997	Cardiovascular Diseases Research	WU-18-3	Washington University in Saint Louis	
93.837	I	25,129	Cardiovascular Diseases Research	N004944403	University of Minnesota	
93.837	I	26,829	Cardiovascular Diseases Research	N/A	Duke University Clinical Research Institution	
93.837	I	26,985	Cardiovascular Diseases Research	2036763	Duke University	
93.837	I	28,066	Cardiovascular Diseases Research	P005875703	University of Minnesota	
93.837	I	30,514	Cardiovascular Diseases Research	UWSC10266	University of Washington	
93.837	I	35,761	Cardiovascular Diseases Research	000503570-008	University of Alabama at Birmingham	
93.837	I	42,839	Cardiovascular Diseases Research	FY17.878.001/	University of Colorado Denver	
93.837	I	57,076	Cardiovascular Diseases Research	WU-17-320/PO2928659C	Washington University in Saint Louis	
93.837	I	58,479	Cardiovascular Diseases Research	WFUHS 115768	Wake Forest University Health Sciences	
93.837	I	60,102	Cardiovascular Diseases Research	31105A/ PO648559	Albert Einstein College of Medicine, Inc.	



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93.837	I	60,245	Cardiovascular Diseases Research	000511972-001	University of Alabama at Birmingham	
93.837	I	64,294	Cardiovascular Diseases Research	31114A/ 590292	Albert Einstein College of Medicine, Inc.	
93.837	I	64,689	Cardiovascular Diseases Research	0041597 (130470-1)	University of Pittsburgh	
93.837	I	66,174	Cardiovascular Diseases Research	000503570-008	University of Alabama at Birmingham	
93.837	I	67,906	Cardiovascular Diseases Research	N/A	Duke University	
93.837	I	68,148	Cardiovascular Diseases Research	000503570-008	University of Alabama at Birmingham	
93.837	I	70,804	Cardiovascular Diseases Research	225708	Massachusetts General Hospital	
93.837	I	80,678	Cardiovascular Diseases Research	431965-19467	Virginia Tech	
93.837	I	106,447	Cardiovascular Diseases Research	5001191-ROSAMOND	Brown University	
93.837	I	108,793	Cardiovascular Diseases Research	0041597 (128874-1)	University of Pittsburgh	
93.837	I	141,020	Cardiovascular Diseases Research	2034138	Duke University	
93.837	I	142,978	Cardiovascular Diseases Research	302-0442	Duke University Medical Center	
93.837	I	198,896	Cardiovascular Diseases Research	710-9144	Miriam Hospital	
93.837	I	287,210	Cardiovascular Diseases Research	000511972-001	University of Alabama at Birmingham	
93.837	I	290,297	Cardiovascular Diseases Research	60043052	Northwestern University	
93.838	D	10,528,160	Lung Diseases Research			
93.838	I	(1,830)	Lung Diseases Research	11079SUB	Seattle Children's Hospital Research Institute	
93.838	I	72	Lung Diseases Research	203-1647	Duke University	
93.838	I	78	Lung Diseases Research	63246	Vanderbilt University Medical Center	
93.838	I	550	Lung Diseases Research	11473SUB	Seattle Children's Hospital Research Institute	
93.838	I	1,957	Lung Diseases Research	1-AF-27	George Washington University	
93.838	I	2,250	Lung Diseases Research	S00137-01	University of Iowa	
93.838	I	5,055	Lung Diseases Research	63244	Vanderbilt University Medical Center	
93.838	I	5,982	Lung Diseases Research	W000969881	University of Iowa	
93.838	I	6,250	Lung Diseases Research	3003104557	University of Michigan (UMICH)	
93.838	I	7,771	Lung Diseases Research	11012SUB	Seattle Children's Hospital Research Institute	
93.838	I	13,476	Lung Diseases Research	RES512136	Case Western Reserve University	
93.838	I	14,600	Lung Diseases Research	2035073	Duke University	
93.838	I	16,275	Lung Diseases Research	2-AF-27	George Washington University	
93.838	I	19,702	Lung Diseases Research	2032351	Duke University Medical Center	
93.838	I	29,033	Lung Diseases Research	2002772677	Johns Hopkins University	
93.838	I	36,007	Lung Diseases Research	SPC-000542	University of Miami	
93.838	I	52,617	Lung Diseases Research	0059236 (130132-2)	University of Pittsburgh	
93.838	I	54,119	Lung Diseases Research	11663SUB	Seattle Children's Hospital Research Institute	
93.838	I	304,838	Lung Diseases Research	RES511740	Case Western Reserve University	
93.838	I	687,903	Lung Diseases Research	10454sc	University of California at San Francisco	
93.839	D	8,233,437	Blood Diseases and Resources Research			
93.839	I	(3,065)	Blood Diseases and Resources Research	N/A	Ohio State University	
93.839	I	(1,517)	Blood Diseases and Resources Research	UWSC8675 (BPO9467)	University of Washington	
93.839	I	1,177	Blood Diseases and Resources Research	0102896	Beth Israel Deaconess Medical Center	
93.839	I	1,265	Blood Diseases and Resources Research	PO 6013872	Medical College of Wisconsin	
93.839	I	1,783	Blood Diseases and Resources Research	N/A	Rutgers the State University of New Jersey	
93.839	I	3,405	Blood Diseases and Resources Research	0156-81148	BloodCenter of Wisconsin	
93.839	I	3,836	Blood Diseases and Resources Research	0155-81148	BloodCenter of Wisconsin	
93.839	I	6,790	Blood Diseases and Resources Research	11030002-143	The Methodist Hospital Research Institute	
93.839	I	12,515	Blood Diseases and Resources Research	565117	University of Pennsylvania	
93.839	I	13,168	Blood Diseases and Resources Research	824-UNC-2017	Bloodworks Northwest	
93.839	I	13,705	Blood Diseases and Resources Research	RG850-G1	Georgia Institute of Technology	
93.839	I	14,552	Blood Diseases and Resources Research	WU-18-162	Washington University in Saint Louis	
93.839	I	15,003	Blood Diseases and Resources Research	RF01499049/60061713	Ohio State University	
93.839	I	19,308	Blood Diseases and Resources Research	2034835	Duke University Medical Center	
93.839	I	43,474	Blood Diseases and Resources Research	15-13-121/R01HL11855	Louisiana State University (LSU)	
93.839	I	47,473	Blood Diseases and Resources Research	N/A	Rutgers the State University of New Jersey	
93.839	I	53,008	Blood Diseases and Resources Research	07416-3	Minneapolis Medical Research Foundation	
93.839	I	53,495	Blood Diseases and Resources Research	11575SUB	Seattle Children's Hospital Research Institute	
93.839	I	57,826	Blood Diseases and Resources Research	GENFD0001386039	Children's Hospital Boston	
93.839	I	58,813	Blood Diseases and Resources Research	24-6230-0191-003	University of Nebraska at Lincoln	
93.839	I	67,654	Blood Diseases and Resources Research	N/A	250Glycan Therapeutics, Inc.	
93.839	I	98,461	Blood Diseases and Resources Research	FY18.878.005	University of Colorado Denver	
93.839	I	112,230	Blood Diseases and Resources Research	N/A	Redbud Labs	
93.839	I	136,616	Blood Diseases and Resources Research	564956	University of Pennsylvania	

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93.839	I	156,714	Blood Diseases and Resources Research	571866	University of Pennsylvania	
93.839	I	232,919	Blood Diseases and Resources Research	UWSC8675 (BPO9467)	University of Washington	
93.846	D	6,214,953	Arthritis, Musculoskeletal and Skin Diseases Research			
93.846	I	979	Arthritis, Musculoskeletal and Skin Diseases Research	12-01091	New York University (NYU)	
93.846	I	1,039	Arthritis, Musculoskeletal and Skin Diseases Research	PS#113296	Brigham and Women's Hospital	
93.846	I	4,035	Arthritis, Musculoskeletal and Skin Diseases Research	1137965-2-77417	SUNY at Stony Brook	
93.846	I	6,041	Arthritis, Musculoskeletal and Skin Diseases Research	14-010	Wake Forest University	
93.846	I	17,456	Arthritis, Musculoskeletal and Skin Diseases Research	8977sc	University of California at San Francisco	
93.846	I	36,033	Arthritis, Musculoskeletal and Skin Diseases Research	3210940919-XX	Children's Hospital of Philadelphia	
93.846	I	40,503	Arthritis, Musculoskeletal and Skin Diseases Research	11-181-UNC-CH	West Virginia University Research Corporation	
93.846	I	63,883	Arthritis, Musculoskeletal and Skin Diseases Research	203-5348	Duke University	
93.846	I	71,626	Arthritis, Musculoskeletal and Skin Diseases Research	203-7646	Duke University	
93.846	I	110,381	Arthritis, Musculoskeletal and Skin Diseases Research	16-004	Wake Forest University	
93.846	I	557,908	Arthritis, Musculoskeletal and Skin Diseases Research	16-004	Wake Forest University	
93.847	D	27,080,478	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	(59,399)	Diabetes, Digestive, and Kidney Diseases Extramural Research	UNCDK095078	Pennsylvania State University	
93.847	I	(7,403)	Diabetes, Digestive, and Kidney Diseases Extramural Research	SITE 105 179995/1886	Duke University Clinical Research Institution	
93.847	I	(2,146)	Diabetes, Digestive, and Kidney Diseases Extramural Research	16-179296-05	Connecticut Children's Medical Center	
93.847	I	(1,897)	Diabetes, Digestive, and Kidney Diseases Extramural Research	16-3981	Curl Bio, LLC	
93.847	I	(576)	Diabetes, Digestive, and Kidney Diseases Extramural Research	R42DK074193-02A1	TheraLogics	
93.847	I	(96)	Diabetes, Digestive, and Kidney Diseases Extramural Research	3001321183	University of Michigan (UMICH)	
93.847	I	(37)	Diabetes, Digestive, and Kidney Diseases Extramural Research	WU-17-187	Washington University in Saint Louis	
93.847	I	201	Diabetes, Digestive, and Kidney Diseases Extramural Research	2001815789	Johns Hopkins University	
93.847	I	207	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Connecticut Children's Medical Center	
93.847	I	323	Diabetes, Digestive, and Kidney Diseases Extramural Research	RPS 2	Pelvic Floor Disorders Research	
93.847	I	494	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Sonovolt, LLC	
93.847	I	795	Diabetes, Digestive, and Kidney Diseases Extramural Research	2034738	Duke University	
93.847	I	1,719	Diabetes, Digestive, and Kidney Diseases Extramural Research	102095487	Baylor University College of Medicine	
93.847	I	2,798	Diabetes, Digestive, and Kidney Diseases Extramural Research	962293RSUB	Children's Hospital of Philadelphia	
93.847	I	3,308	Diabetes, Digestive, and Kidney Diseases Extramural Research	00004207	University of Texas MD Anderson Cancer Center	
93.847	I	3,401	Diabetes, Digestive, and Kidney Diseases Extramural Research	00004207/ PO30010739	University of Texas MD Anderson Cancer Center	
93.847	I	4,887	Diabetes, Digestive, and Kidney Diseases Extramural Research	10046979-01	University of Utah	
93.847	I	6,928	Diabetes, Digestive, and Kidney Diseases Extramural Research	3003328374	University of Michigan (UMICH)	
93.847	I	7,853	Diabetes, Digestive, and Kidney Diseases Extramural Research	344930	University of Arizona	
93.847	I	9,965	Diabetes, Digestive, and Kidney Diseases Extramural Research	TIE1980-01	Northern California Institute for Research	
93.847	I	12,332	Diabetes, Digestive, and Kidney Diseases Extramural Research	2002879987	Johns Hopkins Bloomberg School of Public	
93.847	I	12,990	Diabetes, Digestive, and Kidney Diseases Extramural Research	82137416/ WX00295438	Nationwide Children's Hospital	
93.847	I	16,785	Diabetes, Digestive, and Kidney Diseases Extramural Research	FY16.253.003	University of Colorado	
93.847	I	18,282	Diabetes, Digestive, and Kidney Diseases Extramural Research	2003105028	Johns Hopkins University	
93.847	I	20,731	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	University of South Florida Tampa	
93.847	I	21,563	Diabetes, Digestive, and Kidney Diseases Extramural Research	WU-18-312	Washington University in Saint Louis	
93.847	I	22,229	Diabetes, Digestive, and Kidney Diseases Extramural Research	IN468876UNC	Indiana University System	
93.847	I	22,771	Diabetes, Digestive, and Kidney Diseases Extramural Research	5216282-5500000980	Broad Institute	
93.847	I	26,900	Diabetes, Digestive, and Kidney Diseases Extramural Research	64744923	University of California at San Diego	
93.847	I	27,009	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Neuro10-9 Pharma, Inc.	
93.847	I	31,222	Diabetes, Digestive, and Kidney Diseases Extramural Research	962639-RSUB 33018207	Children's Hospital of Philadelphia	
93.847	I	32,743	Diabetes, Digestive, and Kidney Diseases Extramural Research	S-GRD1617-AT31	George Washington University	
93.847	I	33,388	Diabetes, Digestive, and Kidney Diseases Extramural Research	228583	Massachusetts General Hospital	
93.847	I	35,411	Diabetes, Digestive, and Kidney Diseases Extramural Research	FP00005212_SA001	Virginia Commonwealth University (VCU)	
93.847	I	36,157	Diabetes, Digestive, and Kidney Diseases Extramural Research	3003328374	University of Michigan (UMICH)	
93.847	I	38,813	Diabetes, Digestive, and Kidney Diseases Extramural Research	2035593	Duke University	
93.847	I	40,508	Diabetes, Digestive, and Kidney Diseases Extramural Research	16-NIH-1017	Duke University	
93.847	I	41,336	Diabetes, Digestive, and Kidney Diseases Extramural Research	PD303771-SC107091	Virginia Commonwealth University (VCU)	
93.847	I	45,057	Diabetes, Digestive, and Kidney Diseases Extramural Research	N006851801	University of Minnesota	
93.847	I	46,718	Diabetes, Digestive, and Kidney Diseases Extramural Research	WFUHS113519	Wake Forest University School of Medicine	
93.847	I	46,864	Diabetes, Digestive, and Kidney Diseases Extramural Research	2034783	Duke University	
93.847	I	50,858	Diabetes, Digestive, and Kidney Diseases Extramural Research	60040977 UNC	Northwestern University	
93.847	I	53,224	Diabetes, Digestive, and Kidney Diseases Extramural Research	PO#2922664Y/WU-15-10	Washington University in Saint Louis	
93.847	I	56,661	Diabetes, Digestive, and Kidney Diseases Extramural Research	N/A	Clinical Sensors, Inc.	
93.847	I	68,115	Diabetes, Digestive, and Kidney Diseases Extramural Research	60059166-UNCCH	Ohio State University	
93.847	I	100,845	Diabetes, Digestive, and Kidney Diseases Extramural Research	17-179296-01-01	Connecticut Children's Medical Center	

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93.847	I	101,307	Diabetes, Digestive, and Kidney Diseases Extramural Research	17-179296-01	Connecticut Children's Medical Center	
93.847	I	120,824	Diabetes, Digestive, and Kidney Diseases Extramural Research	3004212973	University of Michigan (UMICH)	
93.847	I	124,604	Diabetes, Digestive, and Kidney Diseases Extramural Research	FAR0027327	North Dakota State University	
93.847	I	128,665	Diabetes, Digestive, and Kidney Diseases Extramural Research	PO#3003642651	University of Michigan (UMICH)	
93.847	I	137,150	Diabetes, Digestive, and Kidney Diseases Extramural Research	3003601669	University of Michigan (UMICH)	
93.847	I	154,904	Diabetes, Digestive, and Kidney Diseases Extramural Research	S-GRD1718-MD31	George Washington University	
93.847	I	180,162	Diabetes, Digestive, and Kidney Diseases Extramural Research	5-53384	Scripps Research Institute	
93.847	I	312,156	Diabetes, Digestive, and Kidney Diseases Extramural Research	VUMC 62324	Vanderbilt University Medical Center	
93.847	I	323,546	Diabetes, Digestive, and Kidney Diseases Extramural Research	WUHS 114580	Wake Forest University Health Sciences	
93.853	D	8,938,493	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	I	(215)	Extramural Research Programs in the Neurosciences and Neurological Disorders	61353145-115866	Stanford University	
93.853	I	(57)	Extramural Research Programs in the Neurosciences and Neurological Disorders	2014-0568	The Allen Institute for Brain Science	
93.853	I	520	Extramural Research Programs in the Neurosciences and Neurological Disorders	416220	University of Rochester	
93.853	I	782	Extramural Research Programs in the Neurosciences and Neurological Disorders	8564SC	University of California at San Francisco	
93.853	I	3,810	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	Beth Israel Deaconess Medical Center	
93.853	I	4,558	Extramural Research Programs in the Neurosciences and Neurological Disorders	115618	Brigham and Women's Hospital	
93.853	I	5,402	Extramural Research Programs in the Neurosciences and Neurological Disorders	8564SC	University of California at San Francisco	
93.853	I	5,435	Extramural Research Programs in the Neurosciences and Neurological Disorders	2014-0568	The Allen Institute for Brain Science	
93.853	I	5,854	Extramural Research Programs in the Neurosciences and Neurological Disorders	K001628-00-S01	Kitware, Inc.	
93.853	I	6,343	Extramural Research Programs in the Neurosciences and Neurological Disorders	729-SUB	Cleveland Clinic Foundation	
93.853	I	7,347	Extramural Research Programs in the Neurosciences and Neurological Disorders	UWSC8476 BPO24224	University of Washington	
93.853	I	9,791	Extramural Research Programs in the Neurosciences and Neurological Disorders	2003631110	Johns Hopkins University	
93.853	I	10,660	Extramural Research Programs in the Neurosciences and Neurological Disorders	2(GG008402-04)	Columbia University	
93.853	I	10,687	Extramural Research Programs in the Neurosciences and Neurological Disorders	48575	University of Delaware	
93.853	I	11,469	Extramural Research Programs in the Neurosciences and Neurological Disorders	2259	Boston Medical Center	
93.853	I	14,436	Extramural Research Programs in the Neurosciences and Neurological Disorders	SNNC4118	Soterix Medical, Inc.	
93.853	I	14,591	Extramural Research Programs in the Neurosciences and Neurological Disorders	UWSC7150/PO#BPO7044	University of Washington	
93.853	I	15,733	Extramural Research Programs in the Neurosciences and Neurological Disorders	T458594	Emory University (EU)	
93.853	I	20,309	Extramural Research Programs in the Neurosciences and Neurological Disorders	5-27078	Scripps Research Institute	
93.853	I	24,018	Extramural Research Programs in the Neurosciences and Neurological Disorders	1(GG10847-01)	Columbia University	
93.853	I	29,149	Extramural Research Programs in the Neurosciences and Neurological Disorders	WU-17-2/PO#2928132C	Washington University in Saint Louis	
93.853	I	31,734	Extramural Research Programs in the Neurosciences and Neurological Disorders	9091SC	University of California at San Francisco	
93.853	I	37,505	Extramural Research Programs in the Neurosciences and Neurological Disorders	UFDSP00011481	University of Florida	
93.853	I	49,471	Extramural Research Programs in the Neurosciences and Neurological Disorders	937-SUB	Cleveland Clinic Foundation	
93.853	I	68,148	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	Dignify Therapeutics	
93.853	I	76,092	Extramural Research Programs in the Neurosciences and Neurological Disorders	SNNC4117	Soterix Medical, Inc.	
93.853	I	127,850	Extramural Research Programs in the Neurosciences and Neurological Disorders	FY2016-006	University of Kansas Center for Research	
93.853	I	133,756	Extramural Research Programs in the Neurosciences and Neurological Disorders	N/A	Dignify Therapeutics	
93.853	I	154,885	Extramural Research Programs in the Neurosciences and Neurological Disorders	2014-0569/ AIP043537	The Allen Institute for Brain Science	
93.853	I	245,145	Extramural Research Programs in the Neurosciences and Neurological Disorders	569365	University of Pennsylvania	
93.853	I	266,646	Extramural Research Programs in the Neurosciences and Neurological Disorders	9091SC	University of California at San Francisco	
93.855	D	60,035,346	Allergy and Infectious Diseases Research			
93.855	I	(43,620)	Allergy and Infectious Diseases Research	1(GG007638)	Columbia University Trustees	
93.855	I	(43,299)	Allergy and Infectious Diseases Research	000397076-011	University of Alabama at Birmingham	
93.855	I	(31,104)	Allergy and Infectious Diseases Research	PO 16002863	Family Health International	
93.855	I	(27,273)	Allergy and Infectious Diseases Research	0255-0621-4609	Mount Sinai School of Medicine	
93.855	I	(12,236)	Allergy and Infectious Diseases Research	PO 16003096	Family Health International	
93.855	I	(7,501)	Allergy and Infectious Diseases Research	799/0080.0233	Family Health International	
93.855	I	(7,088)	Allergy and Infectious Diseases Research	000510836-008	University of Alabama at Birmingham	
93.855	I	(2,721)	Allergy and Infectious Diseases Research	5(GG008377-19)	Columbia University	
93.855	I	(2,060)	Allergy and Infectious Diseases Research	PO 15004410	Family Health International	
93.855	I	(1,752)	Allergy and Infectious Diseases Research	N/A	Mucommune, LLC	
93.855	I	(1,432)	Allergy and Infectious Diseases Research	000502793-005	University of Alabama at Birmingham	
93.855	I	(1,183)	Allergy and Infectious Diseases Research	PO 15004411	Family Health International	
93.855	I	(544)	Allergy and Infectious Diseases Research	110209	Brigham and Women's Hospital	
93.855	I	(341)	Allergy and Infectious Diseases Research	00008956	University of California at Berkeley	
93.855	I	(295)	Allergy and Infectious Diseases Research	111672	Brigham and Women's Hospital	
93.855	I	(287)	Allergy and Infectious Diseases Research	N/A	Capture Pharmaceuticals	
93.855	I	(269)	Allergy and Infectious Diseases Research	684K644	University of Wisconsin at Madison	
93.855	I	(13)	Allergy and Infectious Diseases Research	MA150048	University of Hawaii	
93.855	I	(4)	Allergy and Infectious Diseases Research	9294	Magee-Women's Research Institute & Foundation	

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93.855	I	(3)	Allergy and Infectious Diseases Research	PO 16002863	Family Health International	
93.855	I	111	Allergy and Infectious Diseases Research	GB10296 151323	University of Virginia	
93.855	I	409	Allergy and Infectious Diseases Research	PO#754876/UWSC7179	University of Washington	
93.855	I	447	Allergy and Infectious Diseases Research	FY17ITN156	Benaroya Research Institute	
93.855	I	641	Allergy and Infectious Diseases Research	1R41AI112064-01	Clinical Sensors, Inc.	
93.855	I	908	Allergy and Infectious Diseases Research	FY18ITN012	Benaroya Research Institute	
93.855	I	986	Allergy and Infectious Diseases Research	861/0080.0016	Family Health International	
93.855	I	1,288	Allergy and Infectious Diseases Research	2035714	Duke University	
93.855	I	1,360	Allergy and Infectious Diseases Research	10381SC	University of California at San Francisco	
93.855	I	1,378	Allergy and Infectious Diseases Research	N/A	Institute for Clinical Research	
93.855	I	1,526	Allergy and Infectious Diseases Research	235058	Duke University	
93.855	I	1,545	Allergy and Infectious Diseases Research	N/A	Family Health International	
93.855	I	1,791	Allergy and Infectious Diseases Research	235058	Duke University	
93.855	I	2,154	Allergy and Infectious Diseases Research	110007	Brigham and Women's Hospital	
93.855	I	2,210	Allergy and Infectious Diseases Research	2002967331	Johns Hopkins University	
93.855	I	2,400	Allergy and Infectious Diseases Research	N/A	Emory University (EU)	
93.855	I	2,575	Allergy and Infectious Diseases Research	60040631 UNC	Northwestern University	
93.855	I	2,907	Allergy and Infectious Diseases Research	9302SC	University of California Regents	
93.855	I	3,038	Allergy and Infectious Diseases Research	16111865-04	Cornell University Medical Campus	
93.855	I	3,094	Allergy and Infectious Diseases Research	2002967331	Johns Hopkins University	
93.855	I	3,565	Allergy and Infectious Diseases Research	10351sc	University of California at San Francisco	
93.855	I	3,590	Allergy and Infectious Diseases Research	310429 PO 633350	Albert Einstein College of Medicine, Inc.	
93.855	I	3,931	Allergy and Infectious Diseases Research	N/A	EpiCypher, Inc.	
93.855	I	4,301	Allergy and Infectious Diseases Research	FY17ITN012	Benaroya Research Institute	
93.855	I	4,361	Allergy and Infectious Diseases Research	972/0080.0174	Family Health International	
93.855	I	4,767	Allergy and Infectious Diseases Research	110233	Brigham and Women's Hospital	
93.855	I	5,057	Allergy and Infectious Diseases Research	T701239	Emory University (EU)	
93.855	I	5,245	Allergy and Infectious Diseases Research	135409-CT2-DIET	Cincinnati Children's Hospital Medical Center	
93.855	I	5,707	Allergy and Infectious Diseases Research	0254-6992-4609	Mount Sinai School of Medicine	
93.855	I	5,830	Allergy and Infectious Diseases Research	0258-3962	Mount Sinai School of Medicine	
93.855	I	5,868	Allergy and Infectious Diseases Research	135408-CT1-OMEGA	Cincinnati Children's Hospital Medical Center	
93.855	I	5,929	Allergy and Infectious Diseases Research	N/A	Johns Hopkins University	
93.855	I	6,197	Allergy and Infectious Diseases Research	956/0080.0145/ GO 00	Family Health International	
93.855	I	6,401	Allergy and Infectious Diseases Research	N/A	Duke University	
93.855	I	6,626	Allergy and Infectious Diseases Research	135409 CT2-DIET STUD	Cincinnati Children's Hospital Medical Center	
93.855	I	6,815	Allergy and Infectious Diseases Research	P004756921	University of Minnesota Board of Regents	
93.855	I	6,895	Allergy and Infectious Diseases Research	0000936571	Fred Hutchinson Cancer Research Center	
93.855	I	6,972	Allergy and Infectious Diseases Research	41666	Vanderbilt University Medical Center	
93.855	I	7,295	Allergy and Infectious Diseases Research	135408-CT1-OMEGA	Cincinnati Children's Hospital Medical Center	
93.855	I	7,888	Allergy and Infectious Diseases Research	110007	Brigham and Women's Hospital	
93.855	I	8,677	Allergy and Infectious Diseases Research	94075853	University of California at San Diego	
93.855	I	8,845	Allergy and Infectious Diseases Research	8316	Rutgers the State University of New Jersey	
93.855	I	9,075	Allergy and Infectious Diseases Research	N/A	Cell Microsystems, Inc.	
93.855	I	9,220	Allergy and Infectious Diseases Research	972/0080.0174	Family Health International	
93.855	I	9,545	Allergy and Infectious Diseases Research	2037381	Duke University	
93.855	I	9,667	Allergy and Infectious Diseases Research	PO 17004265	Family Health International	
93.855	I	9,694	Allergy and Infectious Diseases Research	0043800 (125428-1)	University of Pittsburgh	
93.855	I	9,821	Allergy and Infectious Diseases Research	1005926_UNCCH	Oregon Health and Science University	
93.855	I	10,915	Allergy and Infectious Diseases Research	VUMC 41666	Vanderbilt University Medical Center	
93.855	I	11,025	Allergy and Infectious Diseases Research	LDR-10 PO 2002688423	Johns Hopkins University	
93.855	I	11,716	Allergy and Infectious Diseases Research	2927/ 850356	Henry M Jackson Foundation	
93.855	I	11,741	Allergy and Infectious Diseases Research	UTA18-000140	University of Texas at Austin	
93.855	I	11,805	Allergy and Infectious Diseases Research	956/0080.0145/ GO 00	Family Health International	
93.855	I	12,482	Allergy and Infectious Diseases Research	2002815334	Johns Hopkins University	
93.855	I	13,028	Allergy and Infectious Diseases Research	824894/ 2502	Henry M Jackson Foundation	
93.855	I	13,273	Allergy and Infectious Diseases Research	15001682	Family Health International	
93.855	I	13,855	Allergy and Infectious Diseases Research	N/A	Centre for the AIDS Programme of Research	
93.855	I	13,946	Allergy and Infectious Diseases Research	60040631 UNC	Northwestern University	
93.855	I	15,208	Allergy and Infectious Diseases Research	000421524-004	University of Alabama at Birmingham	
93.855	I	16,000	Allergy and Infectious Diseases Research	PO 17004265	Family Health International	
93.855	I	16,489	Allergy and Infectious Diseases Research	LDR-10 PO 2002688423	Johns Hopkins University	

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93.855	I	18,130	Allergy and Infectious Diseases Research	5R01AI1316888-02	Rockefeller University	
93.855	I	18,247	Allergy and Infectious Diseases Research	110236	Brigham and Women's Hospital	
93.855	I	19,866	Allergy and Infectious Diseases Research	FY17ITN156	Benaroya Research Institute	
93.855	I	20,458	Allergy and Infectious Diseases Research	135408-CT1-OMEGA	Cincinnati Children's Hospital Medical Center	
93.855	I	21,114	Allergy and Infectious Diseases Research	3020909	Duke University	
93.855	I	21,481	Allergy and Infectious Diseases Research	0080.0144/955	Family Health International	
93.855	I	22,050	Allergy and Infectious Diseases Research	PO 2002815334	Johns Hopkins University	
93.855	I	22,087	Allergy and Infectious Diseases Research	135409 CT2-DIET STUD	Cincinnati Children's Hospital Medical Center	
93.855	I	25,097	Allergy and Infectious Diseases Research	0080.0144/955	Family Health International	
93.855	I	25,105	Allergy and Infectious Diseases Research	608195277/D1404210	Wits Health Consortium	
93.855	I	25,256	Allergy and Infectious Diseases Research	PO17000385	FHI 360	
93.855	I	26,149	Allergy and Infectious Diseases Research	7000000377	Baylor College of Medicine	
93.855	I	28,880	Allergy and Infectious Diseases Research	110006	Brigham and Women's Hospital	
93.855	I	28,922	Allergy and Infectious Diseases Research	2R42AIC98192-02A1	Agile Sciences, Inc.	
93.855	I	29,201	Allergy and Infectious Diseases Research	2032190	Duke University	
93.855	I	30,002	Allergy and Infectious Diseases Research	OSP2018069/ WA006836	University of Massachusetts	
93.855	I	30,429	Allergy and Infectious Diseases Research	2501	Henry M Jackson Foundation	
93.855	I	30,785	Allergy and Infectious Diseases Research	00000978	Brown University	
93.855	I	31,065	Allergy and Infectious Diseases Research	PO 18001617	Family Health International	
93.855	I	31,473	Allergy and Infectious Diseases Research	W000834356	University of Iowa	
93.855	I	32,106	Allergy and Infectious Diseases Research	N/A	Institute for Clinical Research	
93.855	I	34,168	Allergy and Infectious Diseases Research	0000900563	Fred Hutchinson Cancer Research Center	
93.855	I	35,574	Allergy and Infectious Diseases Research	FY17ITN237	Benaroya Research Institute	
93.855	I	41,584	Allergy and Infectious Diseases Research	17-3287/ PO200003094	University of South Carolina (USC)	
93.855	I	42,353	Allergy and Infectious Diseases Research	1651R18	Dartmouth College	
93.855	I	45,462	Allergy and Infectious Diseases Research	3021054	Duke University	
93.855	I	47,040	Allergy and Infectious Diseases Research	000502793-005	University of Alabama at Birmingham	
93.855	I	47,752	Allergy and Infectious Diseases Research	17-292	Profectus Biosciences, Inc.	
93.855	I	49,068	Allergy and Infectious Diseases Research	R988507	SUNY at Buffalo	
93.855	I	49,392	Allergy and Infectious Diseases Research	0000892599	Fred Hutchinson Cancer Research Center	
93.855	I	50,577	Allergy and Infectious Diseases Research	0000925916	Fred Hutchinson Cancer Research Center	
93.855	I	51,315	Allergy and Infectious Diseases Research	15001683	Family Health International	
93.855	I	53,665	Allergy and Infectious Diseases Research	203-7732	Duke University	
93.855	I	53,702	Allergy and Infectious Diseases Research	2003037086	Johns Hopkins University	
93.855	I	56,761	Allergy and Infectious Diseases Research	3021001	Duke University	
93.855	I	58,177	Allergy and Infectious Diseases Research	5-20807	Scripps Research Institute	
93.855	I	58,944	Allergy and Infectious Diseases Research	FY15ITN012	Benaroya Research Institute	
93.855	I	59,073	Allergy and Infectious Diseases Research	PO 16003096	Family Health International	
93.855	I	60,053	Allergy and Infectious Diseases Research	16-A0-00-006199-01	New York University (NYU)	
93.855	I	60,260	Allergy and Infectious Diseases Research	755K241	University of Wisconsin at Madison	
93.855	I	60,378	Allergy and Infectious Diseases Research	000502793-008	University of Alabama at Birmingham	
93.855	I	64,068	Allergy and Infectious Diseases Research	1R01AI131688-01	Rockefeller University	
93.855	I	71,634	Allergy and Infectious Diseases Research	FY18ITN008	Benaroya Research Institute	
93.855	I	73,030	Allergy and Infectious Diseases Research	N/A	Family Health International	
93.855	I	76,000	Allergy and Infectious Diseases Research	116529	Brigham and Women's Hospital	
93.855	I	78,877	Allergy and Infectious Diseases Research	0047867 (126557-1)	University of Pittsburgh	
93.855	I	79,726	Allergy and Infectious Diseases Research	2003383922 200338391	Johns Hopkins University	
93.855	I	83,728	Allergy and Infectious Diseases Research	203-8436	Duke University	
93.855	I	94,822	Allergy and Infectious Diseases Research	110014	Brigham and Women's Hospital	
93.855	I	102,497	Allergy and Infectious Diseases Research	231656	Massachusetts General Hospital	
93.855	I	104,804	Allergy and Infectious Diseases Research	203-7757	Duke University	
93.855	I	106,986	Allergy and Infectious Diseases Research	PO17003035	Family Health International	
93.855	I	109,103	Allergy and Infectious Diseases Research	FY17ITN008	Benaroya Research Institute	
93.855	I	112,428	Allergy and Infectious Diseases Research	110008	Brigham and Women's Hospital	
93.855	I	114,672	Allergy and Infectious Diseases Research	ITN050AD	Benaroya Research Institute	
93.855	I	120,375	Allergy and Infectious Diseases Research	N005402801	University of Minnesota	
93.855	I	121,921	Allergy and Infectious Diseases Research	T817182 (T652736)	Emory University (EU)	
93.855	I	130,203	Allergy and Infectious Diseases Research	2003478036	Johns Hopkins University	
93.855	I	130,960	Allergy and Infectious Diseases Research	UWSC7489	University of Washington	
93.855	I	136,100	Allergy and Infectious Diseases Research	2035484	Duke University Medical Center	
93.855	I	136,529	Allergy and Infectious Diseases Research	3004163909	University of Michigan (UMICH)	

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93.855	I	139,428	Allergy and Infectious Diseases Research	2035707	Duke University	
93.855	I	145,397	Allergy and Infectious Diseases Research	3021016	Duke University	
93.855	I	146,268	Allergy and Infectious Diseases Research	111672	Brigham and Women's Hospital	
93.855	I	150,302	Allergy and Infectious Diseases Research	N/A	Johns Hopkins University	
93.855	I	159,451	Allergy and Infectious Diseases Research	G-45858-04	Colorado State University	
93.855	I	173,664	Allergy and Infectious Diseases Research	111672	Brigham and Women's Hospital	
93.855	I	182,613	Allergy and Infectious Diseases Research	000502793-008	University of Alabama at Birmingham	
93.855	I	202,145	Allergy and Infectious Diseases Research	OSP2018037	University of Massachusetts Medical School	
93.855	I	205,015	Allergy and Infectious Diseases Research	PO 15004411	Family Health International	
93.855	I	205,344	Allergy and Infectious Diseases Research	2502/ PO 824894	Henry M Jackson Foundation	
93.855	I	208,723	Allergy and Infectious Diseases Research	861/0080.0016	Family Health International	
93.855	I	220,563	Allergy and Infectious Diseases Research	000503356-SP002-025	Creative and Novel Ideas in HIV Research	
93.855	I	221,047	Allergy and Infectious Diseases Research	R01A111965	Monash University	
93.855	I	222,455	Allergy and Infectious Diseases Research	N/A	Cell Microsystems, Inc.	
93.855	I	227,600	Allergy and Infectious Diseases Research	PO 2002815333	Johns Hopkins University	
93.855	I	228,692	Allergy and Infectious Diseases Research	PO17001868	Family Health International	
93.855	I	229,209	Allergy and Infectious Diseases Research	9532	Magee-Women's Research Institute & Foundation	
93.855	I	235,728	Allergy and Infectious Diseases Research	9469	Magee-Women's Research Institute & Foundation	
93.855	I	236,766	Allergy and Infectious Diseases Research	0005100836-008	University of Alabama at Birmingham	
93.855	I	252,354	Allergy and Infectious Diseases Research	00008956/ POBB006442	University of California at Berkeley	
93.855	I	256,582	Allergy and Infectious Diseases Research	2R42A112064-03	Clinical Sensors, Inc.	
93.855	I	261,471	Allergy and Infectious Diseases Research	2032192	Duke University	
93.855	I	266,744	Allergy and Infectious Diseases Research	861/0080.0016	Family Health International	
93.855	I	269,288	Allergy and Infectious Diseases Research	N/A	University of Cape Town	
93.855	I	272,057	Allergy and Infectious Diseases Research	110200	Brigham and Women's Hospital	
93.855	I	272,762	Allergy and Infectious Diseases Research	111666	Brigham and Women's Hospital	
93.855	I	278,231	Allergy and Infectious Diseases Research	2501/ 824643	Henry M Jackson Foundation	
93.855	I	278,440	Allergy and Infectious Diseases Research	5(GG008377-39)	Columbia University	
93.855	I	280,009	Allergy and Infectious Diseases Research	PO15000443	Family Health International	
93.855	I	288,385	Allergy and Infectious Diseases Research	PO 16002863	Family Health International	
93.855	I	296,343	Allergy and Infectious Diseases Research	111666	Brigham and Women's Hospital	
93.855	I	317,457	Allergy and Infectious Diseases Research	110209	Brigham and Women's Hospital	
93.855	I	329,821	Allergy and Infectious Diseases Research	PO 15004411	Family Health International	
93.855	I	331,618	Allergy and Infectious Diseases Research	2036404	Duke University Medical Center	
93.855	I	365,480	Allergy and Infectious Diseases Research	000502793 -005	University of Alabama at Birmingham	
93.855	I	376,570	Allergy and Infectious Diseases Research	PO17001853	Family Health International	
93.855	I	410,122	Allergy and Infectious Diseases Research	PO17002292	Family Health International	
93.855	I	425,710	Allergy and Infectious Diseases Research	PO 15004410	Family Health International	
93.855	I	439,187	Allergy and Infectious Diseases Research	PO 15004410	Family Health International	
93.855	I	450,900	Allergy and Infectious Diseases Research	PO# 2002815334	Johns Hopkins University	
93.855	I	507,248	Allergy and Infectious Diseases Research	0080.0247/104122	Family Health International	
93.855	I	512,295	Allergy and Infectious Diseases Research	2034857	Duke University	
93.855	I	581,318	Allergy and Infectious Diseases Research	180185	Cornell University Medical Campus	
93.855	I	688,829	Allergy and Infectious Diseases Research	5(GG008377-29)	Columbia University	
93.856	D	307,639	Microbiology and Infectious Diseases Research			
93.859	D	33,180,690	Biomedical Research and Research Training			
93.859	I	(2,232)	Biomedical Research and Research Training	1R43GM117948-01A1	Clinical Sensors, Inc.	
93.859	I	(14)	Biomedical Research and Research Training	0023300(119860-1)	University of Pittsburgh	
93.859	I	1,471	Biomedical Research and Research Training	PO#1594722/IN4684684	Indiana University System	
93.859	I	3,122	Biomedical Research and Research Training	FC0015101-01	Fox Chase Cancer Center	
93.859	I	6,304	Biomedical Research and Research Training	RJ-193-G1	Georgia Institute of Technology Research	
93.859	I	6,683	Biomedical Research and Research Training	A030019	Duke University	
93.859	I	7,152	Biomedical Research and Research Training	FY2016-001	University of Kansas Center for Research	
93.859	I	11,266	Biomedical Research and Research Training	FC0015101-02	Fox Chase Cancer Center	
93.859	I	13,966	Biomedical Research and Research Training	N/A	EpiCypher, Inc.	
93.859	I	14,353	Biomedical Research and Research Training	2017-3475	University of California at Irvine	
93.859	I	27,839	Biomedical Research and Research Training	N/A	250Glycan Therapeutics, Inc.	
93.859	I	27,935	Biomedical Research and Research Training	203-3125	Duke University Medical Center	
93.859	I	30,663	Biomedical Research and Research Training	18-0634	250Glycan Therapeutics, Inc.	
93.859	I	42,915	Biomedical Research and Research Training	N/A	Ribometrix, Inc.	
93.859	I	49,607	Biomedical Research and Research Training	3004537869	University of Michigan Ann Arbor	

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93.859	I	55,917	Biomedical Research and Research Training	0000905066	Fred Hutchinson Cancer Research Center	
93.859	I	57,392	Biomedical Research and Research Training	WA00473947/OSP201704	University of Massachusetts	
93.859	I	58,706	Biomedical Research and Research Training	MUSC16-036	Medical University of South Carolina (MUSC)	
93.859	I	77,231	Biomedical Research and Research Training	N/A	AI Tracking Solutions, Inc.	
93.859	I	95,555	Biomedical Research and Research Training	RC104917UNC	Michigan State University	
93.859	I	98,262	Biomedical Research and Research Training	N/A	SciKon Innovation, Inc.	
93.859	I	126,849	Biomedical Research and Research Training	3004653332	University of Michigan (UMICH)	
93.859	I	229,835	Biomedical Research and Research Training	R42GM106421	Cell Microsystems, Inc.	
93.859	I	242,621	Biomedical Research and Research Training	WA00615827/ OSP20170	University of Massachusetts	
93.865	D	39,808,995	Child Health and Human Development Extramural Research			
93.865	I	(29,374)	Child Health and Human Development Extramural Research	N/A	Liverpool School of Tropical Medicine	
93.865	I	(29,005)	Child Health and Human Development Extramural Research	2002795954	Johns Hopkins University	
93.865	I	320	Child Health and Human Development Extramural Research	N/A	Duke University Medical Center	
93.865	I	476	Child Health and Human Development Extramural Research	N/A	Duke University Medical Center	
93.865	I	682	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	861	Child Health and Human Development Extramural Research	440545/440547	Wake Forest University Health Sciences	
93.865	I	957	Child Health and Human Development Extramural Research	N/A	Virtually Better, Inc.	
93.865	I	1,164	Child Health and Human Development Extramural Research	N/A	University of Cape Town	
93.865	I	1,302	Child Health and Human Development Extramural Research	203-8975	Duke University	
93.865	I	2,134	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	2,735	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	3,094	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	4,283	Child Health and Human Development Extramural Research	3836242/206028	Duke University	
93.865	I	4,429	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	5,199	Child Health and Human Development Extramural Research	N/A	Duke University Medical Center	
93.865	I	5,554	Child Health and Human Development Extramural Research	N006344802	University of Minnesota	
93.865	I	5,690	Child Health and Human Development Extramural Research	2037053	Duke University	
93.865	I	5,849	Child Health and Human Development Extramural Research	16091646-01/182878	Cornell University Weill Medical College	
93.865	I	6,053	Child Health and Human Development Extramural Research	S120282-3	Eastern Virginia Medical School	
93.865	I	6,957	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	9,955	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	11,158	Child Health and Human Development Extramural Research	PD302900-SC-105276	Virginia Commonwealth University (VCU)	
93.865	I	11,849	Child Health and Human Development Extramural Research	RC106691D	Michigan State University	
93.865	I	12,025	Child Health and Human Development Extramural Research	571036 /PO 3979378	University of Pennsylvania	
93.865	I	12,091	Child Health and Human Development Extramural Research	1-312-0216102-65094L	Research Triangle Institute (RTI International)	
93.865	I	13,165	Child Health and Human Development Extramural Research	2831024	Duke University	
93.865	I	15,007	Child Health and Human Development Extramural Research	201316	Duke University	
93.865	I	15,343	Child Health and Human Development Extramural Research	61676814-47273	Stanford University	
93.865	I	17,438	Child Health and Human Development Extramural Research	2000-G-VM484	University of California at Los Angeles	
93.865	I	17,593	Child Health and Human Development Extramural Research	N/A	Duke University Medical Center	
93.865	I	17,662	Child Health and Human Development Extramural Research	2036309	Duke University	
93.865	I	20,058	Child Health and Human Development Extramural Research	GR101950 (CON-800011	Yale University	
93.865	I	21,746	Child Health and Human Development Extramural Research	PD301855-SC102433	Virginia Commonwealth University (VCU)	
93.865	I	23,504	Child Health and Human Development Extramural Research	9373	Women and Infants Hospital of Rhode Island	
93.865	I	24,592	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	25,236	Child Health and Human Development Extramural Research	2015-3286	University of California at Irvine	
93.865	I	26,009	Child Health and Human Development Extramural Research	17-2667	Affinergy, Inc.	
93.865	I	27,352	Child Health and Human Development Extramural Research	TUL-HSC-555717-17/18	Tulane University	
93.865	I	29,165	Child Health and Human Development Extramural Research	571036/PO#3762262	University of Pennsylvania	
93.865	I	29,380	Child Health and Human Development Extramural Research	114205-1385-5106544	Harvard University	
93.865	I	29,588	Child Health and Human Development Extramural Research	SC37547-02-00	University of Denver	
93.865	I	34,094	Child Health and Human Development Extramural Research	N/A	Duke University	
93.865	I	39,998	Child Health and Human Development Extramural Research	15-2719/PO2000020719	University of South Carolina (USC)	
93.865	I	41,989	Child Health and Human Development Extramural Research	203-5652	Duke University	
93.865	I	48,283	Child Health and Human Development Extramural Research	3836242/206028	Duke University	
93.865	I	48,704	Child Health and Human Development Extramural Research	000509380-SP004-003	University of Alabama at Birmingham	
93.865	I	49,951	Child Health and Human Development Extramural Research	M14A12036 (A10949)	Yale University	
93.865	I	52,395	Child Health and Human Development Extramural Research	1553411	University of Colorado at Boulder	
93.865	I	53,321	Child Health and Human Development Extramural Research	1-312-0215374-52637L	Research Triangle Institute (RTI International)	
93.865	I	55,059	Child Health and Human Development Extramural Research	60050547	Ohio State University	
93.865	I	62,808	Child Health and Human Development Extramural Research	2035282	Duke University	

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93.865	I	75,778	Child Health and Human Development Extramural Research	203-6353	Duke University	
93.865	I	76,344	Child Health and Human Development Extramural Research	2002795954	Johns Hopkins University	
93.865	I	95,154	Child Health and Human Development Extramural Research	UFDSP00011045	University of Florida	
93.865	I	117,855	Child Health and Human Development Extramural Research	9373	Women and Infants Hospital of Rhode Island	
93.865	I	124,108	Child Health and Human Development Extramural Research	2036108	Duke University	
93.865	I	165,374	Child Health and Human Development Extramural Research	D1404360-01	Wits Health Consortium	
93.865	I	187,024	Child Health and Human Development Extramural Research	GR101978(CON-8000112	Yale University	
93.865	I	193,750	Child Health and Human Development Extramural Research	14-NIH-1039	Duke University	
93.865	I	397,086	Child Health and Human Development Extramural Research	5385-UNCCH-DHHS-4807	Pennsylvania State University	
93.865	I	505,983	Child Health and Human Development Extramural Research	N/A	George Washington University	
93.865	I	659,737	Child Health and Human Development Extramural Research	F4330-02	New York University (NYU)	
93.866	D	6,330,617	Aging Research			
93.866	I	(21)	Aging Research	15-NIH-1049	Duke University	
93.866	I	3,709	Aging Research	2003379634	Johns Hopkins University	
93.866	I	3,873	Aging Research	0011496A	University of Texas at Houston Health	
93.866	I	3,983	Aging Research	103896352	University of California at San Diego	
93.866	I	8,089	Aging Research	90076	Hebrew SeniorLife	
93.866	I	8,594	Aging Research	RR540-193/4942156	University of Georgia	
93.866	I	9,540	Aging Research	2616022661	University of Texas at Arlington	
93.866	I	9,674	Aging Research	10.10.91562	Hebrew Rehabilitation Center	
93.866	I	12,849	Aging Research	KK1632	University of California at Santa Barbara	
93.866	I	18,356	Aging Research	VUMC 38284	Vanderbilt University	
93.866	I	18,368	Aging Research	RC105335E	Michigan State University	
93.866	I	21,839	Aging Research	1558 G VA099	University of California at Los Angeles	
93.866	I	22,292	Aging Research	4500002102	Boston University	
93.866	I	35,134	Aging Research	2003160709	Johns Hopkins University	
93.866	I	37,502	Aging Research	WFUHS-115068	Wake Forest University Health Sciences	
93.866	I	42,856	Aging Research	2003060831	Johns Hopkins University	
93.866	I	47,351	Aging Research	2003190090	Johns Hopkins University	
93.866	I	47,953	Aging Research	60041739 UNC	Northwestern University	
93.866	I	48,330	Aging Research	A18-0168-S001	University of California at Davis	
93.866	I	52,441	Aging Research	203-7097	Duke University	
93.866	I	52,882	Aging Research	203-6200	Duke University	
93.866	I	56,058	Aging Research	23030.1000102.669202	City of Hope National Medical Center	
93.866	I	61,276	Aging Research	UTA15-000439	University of Texas at Austin	
93.866	I	78,354	Aging Research	FP062370 B	University of Chicago	
93.866	I	86,583	Aging Research	A12418	Rensselaer Polytechnic Institute (RPI)	
93.866	I	87,004	Aging Research	674K531	University of Wisconsin at Madison	
93.866	I	178,175	Aging Research	N/A	Dignify Therapeutics	
93.866	I	222,220	Aging Research	13-NIH-1080	Duke University	
93.866	I	402,814	Aging Research	2003475848	Johns Hopkins University	
93.867	D	3,542,210	Vision Research			
93.867	I	2,710	Vision Research	N/A	Jaeb Center for Health Research	
93.867	I	4,783	Vision Research	10033536-00/ U000025	University of Utah	
93.867	I	5,561	Vision Research	20000-0000016024	Massachusetts Eye and Ear Infirmary	
93.867	I	21,154	Vision Research	N/A	Jaeb Center for Health Research	
93.867	I	22,628	Vision Research	10033536-00	University of Utah	
93.867	I	37,725	Vision Research	N/A	Jaeb Center for Health Research	
93.879	D	355,293	Medical Library Assistance			
93.879	I	419	Medical Library Assistance	10028048-01	University of Utah	
93.879	I	18,872	Medical Library Assistance	1600679	University of Maryland at Baltimore (UMB)	
93.884	D	68,610	Grants for Primary Care Training and Enhancement			
93.918	D	588,946	Grants to Provide Outpatient Early Intervention Services with Respect to HIV Disease			
93.924	D	6,519	Ryan White HIV/AIDS Dental Reimbursement and Community Based Dental Partnership Grants			
93.926	D	237,213	Healthy Start Initiative			
93.928	D	266,991	Special Projects of National Significance			
93.928	I	68,265	Special Projects of National Significance	N/A	National AIDS Fund	
93.928	I	178,675	Special Projects of National Significance	N/A	National AIDS Fund	
93.941	I	50,948	HIV Demonstration, Research, Public and Professional Education Projects	T886562	Emory University (EU)	
93.945	D	333,814	Assistance Programs for Chronic Disease Prevention and Control			
93.945	I	1,749	Assistance Programs for Chronic Disease Prevention and Control	0618-076	Alaska Department of Health and Social Security	



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93.945	I	1,943	Assistance Programs for Chronic Disease Prevention and Control	6100334214	University of Southern Maine	
93.945	I	15,710	Assistance Programs for Chronic Disease Prevention and Control	6482102	University of Southern Maine	
93.946	D	50,737	Cooperative Agreements to Support State-Based Safe Motherhood and Infant Health Initiative Programs			
93.969	D	834,878	PPHF Geriatric Education Centers			
93.989	D	3,076,714	International Research and Research Training			
93.989	I	20,106	International Research and Research Training	60042025 UNC	Northwestern University	
93.989	I	28,809	International Research and Research Training	S005253	Stellenbosch University	
93.989	I	43,011	International Research and Research Training	1(GG010661-01)	Columbia University Trustees	
93.999	I	69,799	Test for Suppression Effects of Advanced Energy	N/A	Universidad del Valle de Guatemala (UVG)	
93.RD	D	(4)	U. S. Department of Health and Human Services			A11-0691-001
93.RD	D	1,461	U. S. Department of Health and Human Services			A17-1671-001
93.RD	D	2,041	U. S. Department of Health and Human Services			A17-1593-001
93.RD	D	2,666	U. S. Department of Health and Human Services			A18-1056-001
93.RD	D	3,497	U. S. Department of Health and Human Services			A18-0296-001
93.RD	D	4,035	U. S. Department of Health and Human Services			A18-1166-001
93.RD	D	4,721	U. S. Department of Health and Human Services			A18-1208-001
93.RD	D	7,982	U. S. Department of Health and Human Services			A17-0509-001
93.RD	D	8,000	U. S. Department of Health and Human Services			A18-1224-001
93.RD	D	11,097	U. S. Department of Health and Human Services			A17-0979-001
93.RD	D	12,878	U. S. Department of Health and Human Services			A18-1238-001
93.RD	D	23,449	U. S. Department of Health and Human Services			A18-0821-001
93.RD	D	24,258	U. S. Department of Health and Human Services			A18-1218-001
93.RD	D	28,092	U. S. Department of Health and Human Services			A15-1694-002
93.RD	D	28,119	U. S. Department of Health and Human Services			A18-0398-001
93.RD	D	31,359	U. S. Department of Health and Human Services			A16-0111-003
93.RD	D	36,371	U. S. Department of Health and Human Services			A17-0873-001
93.RD	D	48,867	U. S. Department of Health and Human Services			A17-1342-001
93.RD	D	50,419	U. S. Department of Health and Human Services			A17-0524-001
93.RD	D	54,828	U. S. Department of Health and Human Services			A15-1261-001
93.RD	D	61,315	U. S. Department of Health and Human Services			A15-0571-001
93.RD	D	125,327	U. S. Department of Health and Human Services			A09-1582-001
93.RD	D	135,659	U. S. Department of Health and Human Services			A17-0524-002
93.RD	D	198,646	U. S. Department of Health and Human Services			A17-1569-001
93.RD	D	242,414	U. S. Department of Health and Human Services			A17-0674-003
93.RD	D	480,213	U. S. Department of Health and Human Services			A14-0502-001
93.RD	D	539,535	U. S. Department of Health and Human Services			A09-0420-009
93.RD	D	595,157	U. S. Department of Health and Human Services			A16-0475-001
93.RD	D	1,038,483	U. S. Department of Health and Human Services			A17-0687-001
93.RD	D	1,244,114	U. S. Department of Health and Human Services			A17-0674-004
93.RD	D	2,058,637	U. S. Department of Health and Human Services			A09-0420-013
93.RD	D	2,543,561	U. S. Department of Health and Human Services			A17-0674-001
93.RD	D	3,454,344	U. S. Department of Health and Human Services			A13-1294-001
93.RD	I	(9,847)	U. S. Department of Health and Human Services	A56711/29XS126	Leidos Biomedical Research	A11-0308-001
93.RD	I	(7,685)	U. S. Department of Health and Human Services	N/A	Argos Therapeutics, Inc.	A10-1766-001
93.RD	I	(6,427)	U. S. Department of Health and Human Services	200-2016-92145-SK01	Karna, LLC	A17-0772-001
93.RD	I	(4,300)	U. S. Department of Health and Human Services	3-312-0213462	Research Triangle Institute (RTI International)	A14-0481-001
93.RD	I	(2,750)	U. S. Department of Health and Human Services	08800-036-00-FPG-0	Urban Institute	A13-0505-001
93.RD	I	(1,691)	U. S. Department of Health and Human Services	5-50682	Scripps Research Institute	A14-1282-001
93.RD	I	(536)	U. S. Department of Health and Human Services	PHR-SSS-P-13-003160	Social and Scientific Systems (S3), Inc.	A14-0799-001
93.RD	I	(31)	U. S. Department of Health and Human Services	2038781	Duke University	A15-1090-001
93.RD	I	44	U. S. Department of Health and Human Services	9-312-0213462-51888L	Research Triangle Institute (RTI International)	A14-1724-001
93.RD	I	63	U. S. Department of Health and Human Services	15-715	Arizona State University	A15-1415-001
93.RD	I	250	U. S. Department of Health and Human Services	709P632546	Virginia Department of Health	A17-0212-001
93.RD	I	340	U. S. Department of Health and Human Services	218092	Duke University	A17-1711-001
93.RD	I	398	U. S. Department of Health and Human Services	EA4151	ECOG-ACRIN Cancer Research Group	A18-0655-001
93.RD	I	434	U. S. Department of Health and Human Services	210424	Duke University	A17-0735-001
93.RD	I	688	U. S. Department of Health and Human Services	9500061906	University of Tennessee at Knoxville	A17-1073-001
93.RD	I	1,392	U. S. Department of Health and Human Services	000500918-T013-008	University of Alabama at Birmingham	A17-1321-001
93.RD	I	1,815	U. S. Department of Health and Human Services	2035584	Duke University	A17-0609-001
93.RD	I	1,977	U. S. Department of Health and Human Services	1-312-0215034-052454	Research Triangle Institute (RTI International)	A16-0971-001
93.RD	I	2,190	U. S. Department of Health and Human Services	3004345260	University of Michigan Ann Arbor	A17-0994-001

## SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)

For the Fiscal Year Ended June 30, 2018

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
93.RD	I	2,559	U. S. Department of Health and Human Services	383-9754	Duke University	A16-1814-001
93.RD	I	3,122	U. S. Department of Health and Human Services	N/A	Duke University	A16-1089-001
93.RD	I	3,348	U. S. Department of Health and Human Services	13XS093	SAIC-Frederick, Inc.	A13-1196-001
93.RD	I	4,146	U. S. Department of Health and Human Services	16GZSK0002	National Collegiate Inventors and Innovators	A17-1217-001
93.RD	I	4,649	U. S. Department of Health and Human Services	HR1763 SUB0000341	National Academy of Sciences	A13-1335-001
93.RD	I	4,686	U. S. Department of Health and Human Services	3836242/26028	Duke University	A16-1325-001
93.RD	I	5,067	U. S. Department of Health and Human Services	11.11.09	DARTNet Institute	A16-1256-003
93.RD	I	5,544	U. S. Department of Health and Human Services	16-312-0214643-52634	Research Triangle Institute (RTI International)	A16-1848-001
93.RD	I	5,723	U. S. Department of Health and Human Services	17X011	Leidos Biomedical Research	A17-1423-001
93.RD	I	6,093	U. S. Department of Health and Human Services	203-8394	Duke University	A16-0937-002
93.RD	I	6,131	U. S. Department of Health and Human Services	N/A	Emory University (EU)	A17-0837-001
93.RD	I	6,291	U. S. Department of Health and Human Services	16-2910/PO2000005316	University of South Carolina (USC)	A16-1915-001
93.RD	I	6,390	U. S. Department of Health and Human Services	203-8492	Duke University	A17-1112-001
93.RD	I	6,755	U. S. Department of Health and Human Services	16-312-0214448-52718	Research Triangle Institute (RTI International)	A17-1592-001
93.RD	I	7,095	U. S. Department of Health and Human Services	16-312-0214643-52634	Research Triangle Institute (RTI International)	A16-1848-002
93.RD	I	7,612	U. S. Department of Health and Human Services	10-312-0213618-52723	Research Triangle Institute (RTI International)	A17-0759-001
93.RD	I	8,117	U. S. Department of Health and Human Services	23-312-0214643-65236	Research Triangle Institute (RTI International)	A18-1213-001
93.RD	I	8,222	U. S. Department of Health and Human Services	000500918-T013-008	University of Alabama at Birmingham	A17-1321-002
93.RD	I	8,256	U. S. Department of Health and Human Services	000-12-0005-1	DARTNet Institute	A16-1256-002
93.RD	I	8,757	U. S. Department of Health and Human Services	N/A	University of Alabama at Birmingham	A07-1265-004
93.RD	I	8,782	U. S. Department of Health and Human Services	0000865654	Fred Hutchinson Cancer Research Center	A16-1238-006
93.RD	I	9,630	U. S. Department of Health and Human Services	N/A	Brigham and Women's Hospital	A10-1776-001
93.RD	I	9,730	U. S. Department of Health and Human Services	N/A	Association of Maternal and Child Health	A16-1421-001
93.RD	I	10,071	U. S. Department of Health and Human Services	203-8758	Duke University	A15-1723-002
93.RD	I	13,416	U. S. Department of Health and Human Services	66102700414-04UNC-MM	University of Mississippi Medical Center	A13-1648-005
93.RD	I	15,035	U. S. Department of Health and Human Services	30017-87-381	La Jolla Institute for Allergy and Immunology	A15-1256-004
93.RD	I	15,389	U. S. Department of Health and Human Services	400069	RAND Corporation	A17-0580-001
93.RD	I	16,592	U. S. Department of Health and Human Services	1-312-0214460-51905L	Research Triangle Institute (RTI International)	A15-0705-001
93.RD	I	17,147	U. S. Department of Health and Human Services	330332	Wake Forest University	A16-1845-001
93.RD	I	17,697	U. S. Department of Health and Human Services	4-312-0215034-52774L	Research Triangle Institute (RTI International)	A17-1115-001
93.RD	I	17,908	U. S. Department of Health and Human Services	13-312-0214643-52776	Research Triangle Institute (RTI International)	A17-0659-001
93.RD	I	18,364	U. S. Department of Health and Human Services	N/A	University of Alabama at Birmingham	A08-1541-001
93.RD	I	20,521	U. S. Department of Health and Human Services	N/A	Community Care of North Carolina (CCNC)	A18-0688-001
93.RD	I	20,779	U. S. Department of Health and Human Services	888-11-16-04	Research Triangle Institute (RTI International)	A13-0932-001
93.RD	I	21,302	U. S. Department of Health and Human Services	8977-S-003	Westat, Inc.	A12-1214-001
93.RD	I	21,326	U. S. Department of Health and Human Services	N/A	KIYATEC, Inc.	A15-0868-001
93.RD	I	21,658	U. S. Department of Health and Human Services	0412400001	American Institutes for Research (AIR)	A17-0785-001
93.RD	I	21,852	U. S. Department of Health and Human Services	4000028116	Takeda Vaccine (Montana), Inc.	A17-0808-001
93.RD	I	22,013	U. S. Department of Health and Human Services	N/A	250Glycan Therapeutics, Inc.	A16-0917-001
93.RD	I	22,968	U. S. Department of Health and Human Services	30-312-0212305-52187	Research Triangle Institute (RTI International)	A15-1714-001
93.RD	I	24,345	U. S. Department of Health and Human Services	7-312-0213618-52523L	Research Triangle Institute (RTI International)	A16-0775-001
93.RD	I	25,497	U. S. Department of Health and Human Services	203-7570	Duke University	A18-0523-001
93.RD	I	25,894	U. S. Department of Health and Human Services	7-312-0213618-52523L	Research Triangle Institute (RTI International)	A16-0775-003
93.RD	I	26,749	U. S. Department of Health and Human Services	GEP/17/04	International Agency for Research on Cancer	A17-1676-001
93.RD	I	26,914	U. S. Department of Health and Human Services	CRB-SSS-S-15-004559	Social and Scientific Systems (S3), Inc.	A16-1847-001
93.RD	I	30,766	U. S. Department of Health and Human Services	N/A	Community Care of North Carolina (CCNC)	A17-0932-001
93.RD	I	33,943	U. S. Department of Health and Human Services	X17346M/X17346N	Leidos Biomedical Research	A17-1595-001
93.RD	I	35,438	U. S. Department of Health and Human Services	2036749/ 200-2012-53	Duke University	A18-0620-001
93.RD	I	36,260	U. S. Department of Health and Human Services	2038152	Duke University	A16-1108-001
93.RD	I	39,000	U. S. Department of Health and Human Services	215039	Duke University	A17-0503-001
93.RD	I	39,748	U. S. Department of Health and Human Services	095054	Southern Research Institute	A17-1543-001
93.RD	I	46,526	U. S. Department of Health and Human Services	430429	University of Arizona	A17-1737-001
93.RD	I	47,779	U. S. Department of Health and Human Services	30016-87-381	La Jolla Institute for Allergy and Immunology	A15-1256-003
93.RD	I	48,654	U. S. Department of Health and Human Services	N/A	MacroGenics, Inc.	A16-1938-001
93.RD	I	49,632	U. S. Department of Health and Human Services	330334	Wake Forest University	A16-1845-003
93.RD	I	50,575	U. S. Department of Health and Human Services	HHSP233201500059I	Manpower Demonstration Research Corporation	A17-1024-001
93.RD	I	50,659	U. S. Department of Health and Human Services	N/A	Directors of Health Promotion and Education	A09-0654-001
93.RD	I	51,281	U. S. Department of Health and Human Services	1-312-0214491-51947L	Research Triangle Institute (RTI International)	A15-1169-001
93.RD	I	56,596	U. S. Department of Health and Human Services	3-312-0213776-52063L	Research Triangle Institute (RTI International)	A15-1602-001
93.RD	I	56,794	U. S. Department of Health and Human Services	43777	Abt Associates, Inc.	A15-0639-005
93.RD	I	59,070	U. S. Department of Health and Human Services	N/A	Georgia Medical Care Foundation, Inc.	A17-1447-003

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
93.RD	I	59,979	U. S. Department of Health and Human Services	200-2016-92145-SK01	Karna, LLC	A17-0772-003
93.RD	I	70,098	U. S. Department of Health and Human Services	WU-17-188	Washington University in Saint Louis	A17-0848-001
93.RD	I	72,863	U. S. Department of Health and Human Services	N/A	Georgia Medical Care Foundation, Inc.	A17-1447-001
93.RD	I	72,969	U. S. Department of Health and Human Services	6-312-0214780-52373L	Research Triangle Institute (RTI International)	A16-1228-001
93.RD	I	73,048	U. S. Department of Health and Human Services	1011940_UNC	Oregon Health and Science University	A17-1635-001
93.RD	I	77,085	U. S. Department of Health and Human Services	0000865654	Fred Hutchinson Cancer Research Center	A16-1238-003
93.RD	I	90,329	U. S. Department of Health and Human Services	2017-PO-DR-001	Information Management Services, Inc.	A17-0125-002
93.RD	I	92,016	U. S. Department of Health and Human Services	HHS290201500007I	Kaiser Foundation Research Institute	A16-1721-001
93.RD	I	94,456	U. S. Department of Health and Human Services	8-312-0214077-51973L	Research Triangle Institute (RTI International)	A15-0970-001
93.RD	I	98,523	U. S. Department of Health and Human Services	T930446	Emory University (EU)	A18-0690-001
93.RD	I	101,451	U. S. Department of Health and Human Services	000500918-T011-007	University of Alabama at Birmingham	A17-1402-001
93.RD	I	109,292	U. S. Department of Health and Human Services	17-312-0214643-52761	Research Triangle Institute (RTI International)	A17-1054-001
93.RD	I	109,385	U. S. Department of Health and Human Services	EA1151	ECOG-ACRIN Cancer Research Group	A18-0567-001
93.RD	I	109,847	U. S. Department of Health and Human Services	66102700414-04UNC-MM	University of Mississippi Medical Center	A13-1648-003
93.RD	I	110,889	U. S. Department of Health and Human Services	1001837485	University of Iowa	A17-1577-001
93.RD	I	115,747	U. S. Department of Health and Human Services	N/A	Brigham and Women's Hospital	A10-1773-001
93.RD	I	123,263	U. S. Department of Health and Human Services	15-312-0214643-52624	Research Triangle Institute (RTI International)	A17-0718-001
93.RD	I	127,466	U. S. Department of Health and Human Services	19-312-0214643-52895	Research Triangle Institute (RTI International)	A17-1433-001
93.RD	I	130,423	U. S. Department of Health and Human Services	00741-PSC-CW CURRICU	JBS International, Inc.	A17-0579-001
93.RD	I	131,779	U. S. Department of Health and Human Services	1-312-0214531-52014L	Research Triangle Institute (RTI International)	A15-1368-001
93.RD	I	132,311	U. S. Department of Health and Human Services	18-312-0214643-52894	Research Triangle Institute (RTI International)	A17-1450-001
93.RD	I	135,773	U. S. Department of Health and Human Services	43777	Abt Associates, Inc.	A15-0639-003
93.RD	I	192,431	U. S. Department of Health and Human Services	20-312-0214643-65059	Research Triangle Institute (RTI International)	A18-0619-001
93.RD	I	195,052	U. S. Department of Health and Human Services	N/A	250Glycan Therapeutics, Inc.	A16-0917-003
93.RD	I	200,513	U. S. Department of Health and Human Services	2017.707.001UNC	AcademyHealth	A18-0395-001
93.RD	I	234,734	U. S. Department of Health and Human Services	N/A	MacroGenics, Inc.	A16-1013-001
93.RD	I	308,422	U. S. Department of Health and Human Services	PO15001683	Family Health International	A15-1720-001
93.RD	I	409,125	U. S. Department of Health and Human Services	5-312-0214643-52341L	Research Triangle Institute (RTI International)	A16-1520-001
93.RD	I	613,755	U. S. Department of Health and Human Services	FPNTCUNCY2	John Snow, Inc. (JSI)	A18-0702-001
93.RD	I	781,478	U. S. Department of Health and Human Services	2016090247	Zero to Three	A16-0513-005
93.RD	I	2,995,382	U. S. Department of Health and Human Services	16X250	Leidos Biomedical Research	A17-0747-001
96.RD	I	98,029	Social Security Administration	6464-S-NC01-001	Westat, Inc.	A18-0543-001
97.044	D	167,953	Assistance to Firefighters Grant			
97.061	D	3,844,243	Centers for Homeland Security			
97.077	D	23,648	Homeland Security Research, Development, Testing, Evaluation, and Demonstration of Technologies Related to Nuclear Threat Detection			
97.122	D	1,759,758	Bio-Preparedness Collaboratory			
98.001	D	54,224,692	USAID Foreign Assistance for Programs Overseas			
98.001	I	69,098	USAID Foreign Assistance for Programs Overseas	4-340-0216030-65235L	Research Triangle Institute (RTI International)	
98.001	I	151,304	USAID Foreign Assistance for Programs Overseas	PO 16003161	Family Health International	
98.001	I	390,790	USAID Foreign Assistance for Programs Overseas	SH1422	Population Council	
98.012	I	3,278	USAID Development Partnerships for University Cooperation and Development	MAPS1-16-068	Eastern Virginia Medical School	
98.RD	D	(4,366)	United States Agency for International Development			A09-0394-001
98.RD	D	2,170,523	United States Agency for International Development			A13-0615-001
98.RD	D	2,841,208	United States Agency for International Development			A13-1348-001
98.RD	D	4,638,269	United States Agency for International Development			A14-1017-001
98.RD	I	(6,633)	United States Agency for International Development	6015-S03	Westat, Inc.	A13-0344-001
98.RD	I	4,302	United States Agency for International Development	N/A	Right to Care	A17-0775-001
98.RD	I	22,919	United States Agency for International Development	7554.UNC-CH.01	National Opinion Research Center (NORC)	A18-1242-001
98.RD	I	26,416	United States Agency for International Development	N/A	Right to Care	A15-0657-003
98.RD	I	66,621	United States Agency for International Development	N/A	Right to Care	A17-1436-001
98.RD	I	883,371	United States Agency for International Development	MAPS1-17-073	Eastern Virginia Medical School	A17-1193-001
98.RD	I	889,771	United States Agency for International Development	100303/W0936	Family Health International	A14-1557-001
		<u>917,280,511</u>	University of North Carolina at Chapel Hill			
<b>University of North Carolina at Charlotte</b>						
10.212	I	4,997	Small Business Innovation Research	NDT-0001	Nanodiagnostic Technology, LLC	
10.652	D	53,768	Forestry Research			
10.762	D	48,802	Solid Waste Management Grants			
10.U07	D	34,705	U. S. Department of Agriculture			Web GIS Data Management
10.U08	D	6,344	U. S. Department of Agriculture			Building Effective Communication

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For the Fiscal Year Ended June 30, 2018

Federal CFDA Number	Direct/ Indirect	Program Expenditures	CFDA Program Title	Pass -Through Number	Pass -Through Entity Name	Additional Award Information
10.U09	D	6,934	U. S. Department of Agriculture			Development and Operation of the We
11.427	D	25,699	Fisheries Development and Utilization Research and Development Grants and Cooperative			
11.478	D	74,285	Center for Sponsored Coastal Ocean Research Coastal Ocean Program			
11.609	D	6,371	Measurement and Engineering Research and Standards			
11.609	D	14,015	Measurement and Engineering Research and Standards			
11.609	D	15,350	Measurement and Engineering Research and Standards			
11.609	D	19,471	Measurement and Engineering Research and Standards			
11.609	D	49,827	Measurement and Engineering Research and Standards			
11.619	D	10,711	Arrangements for Interdisciplinary Research Infrastructure			
11.620	D	3,536	Science, Technology, Business and/or Education Outreach			
12.300	D	37,151	Basic and Applied Scientific Research			
12.300	D	58,435	Basic and Applied Scientific Research			
12.300	D	70,565	Basic and Applied Scientific Research			
12.300	D	155,006	Basic and Applied Scientific Research			
12.300	D	177,087	Basic and Applied Scientific Research			
12.300	D	214,678	Basic and Applied Scientific Research			
12.300	D	368,519	Basic and Applied Scientific Research			
12.300	I	4,898	Basic and Applied Scientific Research	421-23-03A	Iowa State University	
12.300	I	69,423	Basic and Applied Scientific Research	503365-78050	Northeastern University	
12.420	I	62,813	Military Medical Research and Development	7137164	Rhode Island Hospital	
12.431	D	4,509	Basic Scientific Research			
12.431	D	9,349	Basic Scientific Research			
12.431	D	26,702	Basic Scientific Research			
12.431	D	27,417	Basic Scientific Research			
12.431	D	35,980	Basic Scientific Research			
12.431	D	37,295	Basic Scientific Research			
12.431	D	46,374	Basic Scientific Research			
12.431	D	77,559	Basic Scientific Research			
12.431	D	104,919	Basic Scientific Research			
12.431	D	286,779	Basic Scientific Research			
12.431	I	20,901	Basic Scientific Research	SUB AGMT #2010-04989-01	University of Illinois	
12.630	D	15,038	Basic, Applied, and Advanced Research in Science and Engineering			
12.630	D	85,875	Basic, Applied, and Advanced Research in Science and Engineering			
12.630	D	150,168	Basic, Applied, and Advanced Research in Science and Engineering			
12.630	D	241,669	Basic, Applied, and Advanced Research in Science and Engineering			
12.630	I	2,807	Basic, Applied, and Advanced Research in Science and Engineering	2017-UNIV-NO-1	Academy of Applied Science	
12.630	I	18,713	Basic, Applied, and Advanced Research in Science and Engineering	LTR DATED 9/29/17	Academy of Applied Science	
12.630	I	23,106	Basic, Applied, and Advanced Research in Science and Engineering	2975-2016-0591	MetroSage, LLC	
12.630	I	28,148	Basic, Applied, and Advanced Research in Science and Engineering	D01-W911SR-14-2-0001-0013	MSI STEM Research & Development Consortium (MSRDC)	
12.800	D	68,712	Air Force Defense Research Sciences Program			
12.901	I	7,426	Mathematical Sciences Grants	245153	Simons Foundation	
12.902	D	44,466	Information Security Grants			
12.910	I	(171)	Research and Technology Development	A16-0448-S001	University of Tennessee	
12.910	I	108,591	Research and Technology Development	PO# 4206496155	University of Tennessee	
12.U08	I	95,404	U. S. Department of Defense	2975-2015-0365	Optimax Systems, Inc.	3D Printed Lightweight Optics Sys
12.U09	I	89,970	U. S. Department of Defense	PO# 1516925	Boeing Company	Affordable Machining of Components
12.U10	I	12,884	U. S. Department of Defense	TSC-1077-40066	Technology Services Corporation	Development of Rapid Innovation Pro
12.U11	I	248,859	U. S. Department of Defense	2-2015	American Museum of Natural History	Integrating Linguistic
12.U12	I	67,996	U. S. Department of Defense	PO2003292859/96016927 CLIN 6	Johns Hopkins University	MEDE CRA PRI
12.U13	I	15,275	U. S. Department of Defense	2975-17-0267	Nanohmics, Inc.	Optical Enhanced IR Components
12.U14	D	267,499	U. S. Department of Defense			Program Manager in Defense Sciences
12.U15	I	2,616	U. S. Department of Defense	2975-15-0482	OptiPro Systems, LLC	SBIR: Uncertainty Analysis and Vali
12.U16	I	78,263	U. S. Department of Defense	2975-2016-0612	Rochester Precision Optics, LLC	STTR: Mid_IR Optic Development
12.U17	I	175,854	U. S. Department of Defense	Subaward #60057838/RFO1465286	The Ohio State University	Visual Analytics - Pathogens
12.U18	I	9,120	U. S. Department of Defense	PO# R20204-0005	Zapata, Inc.	Turner AFB Groundwater Model
12.U19	I	95,612	U. S. Department of Defense	GC4564 / PO#10060948	Geosyntec Consultants, Inc.	Energy Performance Assessment Task5
12.U20	I	27,788	U. S. Department of Defense	1316.GS.UNCC.17.01	TDA Research, Inc.	Rewarming Solutions - Cryopreserved
12.U21	I	40,603	U. S. Department of Defense	2975-2017-0435	Zuess, Inc.	STTR: Novel OSINT Platform
12.U22	I	21,112	U. S. Department of Defense	2975-18-0208	NuSpot Technologies, LLC	Phase Filter Design Study
12.U23	D	10,626	U. S. Department of Defense			Visual Analytics on the spread of P
12.U24	I	70,920	U. S. Department of Defense	Agreement dated 01/08/18	Global Technical Systems	GTS Composite Flywheel Energy Tests

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12.U25	I	24,614	U. S. Department of Defense	16246083-02	University of Central Florida	Information Spread and Evolution in
12.U26	I	16,926	U. S. Department of Defense	2975-2017-0678	IRflex Corporation	STTR: Development of optical fibers
16.560	D	37,948	National Institute of Justice Research, Evaluation, and Development Project Grants			
16.562	D	21,577	Criminal Justice Research and Development Graduate Research Fellowships			
16.745	I	(23)	Criminal and Juvenile Justice and Mental Health Collaboration Program	2017000051	Charlotte Mecklenburg Police Dept	
16.830	D	109,235	Girls in the Juvenile Justice System			
19.015	I	92,923	Cultural, Technical and Educational Centers	S-ECAGD-17-CA-1053-UNCC-200389	American Councils for International Education	
19.900	I	(67)	AEECA/ESF PD Programs	W16-1013	Eurasia Foundation	
19.901	I	12,153	Export Control and Related Border Security	FSCX-17-63351-0	U.S. Civilian Research and Development Foundation	
20.200	I	13	Highway Research and Development Program	Task Order 1-3C	Snyder & Associates, Inc.	
20.200	I	82	Highway Research and Development Program	Task Order 1-3A	Snyder & Associates, Inc.	
20.200	I	261	Highway Research and Development Program	Task Order 1-3B.2	Snyder & Associates, Inc.	
20.200	I	2,917	Highway Research and Development Program	Task 1-3B.1	Snyder & Associates, Inc.	
20.200	I	12,327	Highway Research and Development Program	Task 1-3F DTFH61-12-H-00010	Snyder & Associates, Inc.	
20.701	D	1,198,390	University Transportation Centers Program			
20.701	I	96,567	University Transportation Centers Program	21-1100-5726-UNCC	San Jose State University Research Foundation	
43.001	I	12,654	Science	098002.001.0189.2015.03	SURVICE Engineering	
43.003	D	72,797	Exploration			
45.129	I	1,302	Promotion of the Humanities Federal/State Partnership	17-33	North Carolina Humanities Council	
45.129	I	2,728	Promotion of the Humanities Federal/State Partnership	17-36	North Carolina Humanities Council	
45.160	D	44,069	Promotion of the Humanities Fellowships and Stipends			
47.041	D	(6,802)	Engineering Grants			
47.041	D	(2,827)	Engineering Grants			
47.041	D	3,692	Engineering Grants			
47.041	D	5,345	Engineering Grants			
47.041	D	7,895	Engineering Grants			
47.041	D	13,098	Engineering Grants			
47.041	D	13,223	Engineering Grants			
47.041	D	19,820	Engineering Grants			
47.041	D	20,076	Engineering Grants			
47.041	D	20,802	Engineering Grants			
47.041	D	23,108	Engineering Grants			
47.041	D	26,571	Engineering Grants			
47.041	D	29,898	Engineering Grants			
47.041	D	29,978	Engineering Grants			
47.041	D	30,426	Engineering Grants			
47.041	D	35,725	Engineering Grants			
47.041	D	37,855	Engineering Grants			
47.041	D	38,249	Engineering Grants			
47.041	D	38,425	Engineering Grants			
47.041	D	39,649	Engineering Grants			
47.041	D	39,711	Engineering Grants			
47.041	D	40,226	Engineering Grants			
47.041	D	41,341	Engineering Grants			
47.041	D	48,727	Engineering Grants			
47.041	D	54,036	Engineering Grants			
47.041	D	55,479	Engineering Grants			
47.041	D	55,665	Engineering Grants			
47.041	D	56,507	Engineering Grants			
47.041	D	73,246	Engineering Grants			
47.041	D	79,914	Engineering Grants			
47.041	D	98,328	Engineering Grants			
47.041	D	99,414	Engineering Grants			
47.041	D	103,792	Engineering Grants			
47.041	D	109,088	Engineering Grants			
47.041	D	123,738	Engineering Grants			
47.041	D	173,967	Engineering Grants			
47.041	D	355,555	Engineering Grants			
47.041	I	2,528	Engineering Grants	416572-G	University of Rochester	
47.041	I	7,457	Engineering Grants	44084-Z4552001	University of Maryland	
47.041	I	18,200	Engineering Grants	417244G	University of Rochester	

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47.041	I	30,834	Engineering Grants	2975-2016-0793	Video Collaboratory, LLC	
47.041	I	34,192	Engineering Grants	100600-1	Clarkson University	
47.041	I	52,114	Engineering Grants	416833-G	University of Rochester	
47.041	I	73,730	Engineering Grants	100830-1/PO# 92559	Clarkson University	
47.041	I	140,875	Engineering Grants	416952-G	University of Rochester	
47.041	I	141,891	Engineering Grants	# 416951G	University of Rochester	
47.049	D	46	Mathematical and Physical Sciences			
47.049	D	1,627	Mathematical and Physical Sciences			
47.049	D	10,000	Mathematical and Physical Sciences			
47.049	D	14,837	Mathematical and Physical Sciences			
47.049	D	16,032	Mathematical and Physical Sciences			
47.049	D	27,763	Mathematical and Physical Sciences			
47.049	D	35,807	Mathematical and Physical Sciences			
47.049	D	44,363	Mathematical and Physical Sciences			
47.049	D	53,000	Mathematical and Physical Sciences			
47.049	D	53,689	Mathematical and Physical Sciences			
47.049	D	60,796	Mathematical and Physical Sciences			
47.049	D	62,574	Mathematical and Physical Sciences			
47.049	D	114,357	Mathematical and Physical Sciences			
47.049	D	118,090	Mathematical and Physical Sciences			
47.049	I	16,236	Mathematical and Physical Sciences	[G001686-7500	Southern Methodist University	
47.050	D	2,385	Geosciences			
47.050	D	12,026	Geosciences			
47.050	D	122,902	Geosciences			
47.050	I	3,541	Geosciences	1(GG012596)	Trustees of Columbia University in New York City	
47.070	D	(25)	Computer and Information Science and Engineering			
47.070	D	1,566	Computer and Information Science and Engineering			
47.070	D	3,369	Computer and Information Science and Engineering			
47.070	D	8,522	Computer and Information Science and Engineering			
47.070	D	11,262	Computer and Information Science and Engineering			
47.070	D	11,850	Computer and Information Science and Engineering			
47.070	D	12,045	Computer and Information Science and Engineering			
47.070	D	18,000	Computer and Information Science and Engineering			
47.070	D	22,187	Computer and Information Science and Engineering			
47.070	D	37,547	Computer and Information Science and Engineering			
47.070	D	47,644	Computer and Information Science and Engineering			
47.070	D	51,928	Computer and Information Science and Engineering			
47.070	D	52,083	Computer and Information Science and Engineering			
47.070	D	54,600	Computer and Information Science and Engineering			
47.070	D	60,681	Computer and Information Science and Engineering			
47.070	D	63,103	Computer and Information Science and Engineering			
47.070	D	73,860	Computer and Information Science and Engineering			
47.070	D	78,011	Computer and Information Science and Engineering			
47.070	D	79,428	Computer and Information Science and Engineering			
47.070	D	82,342	Computer and Information Science and Engineering			
47.070	D	84,346	Computer and Information Science and Engineering			
47.070	D	91,405	Computer and Information Science and Engineering			
47.070	D	91,881	Computer and Information Science and Engineering			
47.070	D	94,093	Computer and Information Science and Engineering			
47.070	D	104,568	Computer and Information Science and Engineering			
47.070	D	107,969	Computer and Information Science and Engineering			
47.070	D	111,685	Computer and Information Science and Engineering			
47.070	D	121,571	Computer and Information Science and Engineering			
47.070	D	122,034	Computer and Information Science and Engineering			
47.070	D	152,684	Computer and Information Science and Engineering			
47.070	D	545,594	Computer and Information Science and Engineering			
47.070	I	4,111	Computer and Information Science and Engineering	15639	Wichita State University	
47.070	I	10,423	Computer and Information Science and Engineering	402071-UNC	Kent State University	
47.074	D	(852)	Biological Sciences			
47.074	D	25,274	Biological Sciences			
47.074	D	36,229	Biological Sciences			

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47.074	D	36,464	Biological Sciences			
47.074	D	72,917	Biological Sciences			
47.074	D	106,929	Biological Sciences			
47.074	D	110,415	Biological Sciences			
47.074	D	111,981	Biological Sciences			
47.074	D	137,415	Biological Sciences			
47.074	D	230,456	Biological Sciences			
47.074	D	357,814	Biological Sciences			
47.074	D	505,577	Biological Sciences			
47.074	I	31,967	Biological Sciences	14-2657/PO 2000004359	University of South Carolina	
47.075	D	3,826	Social, Behavioral, and Economic Sciences			
47.075	D	7,388	Social, Behavioral, and Economic Sciences			
47.075	D	22,672	Social, Behavioral, and Economic Sciences			
47.075	D	25,769	Social, Behavioral, and Economic Sciences			
47.075	D	33,778	Social, Behavioral, and Economic Sciences			
47.075	D	44,712	Social, Behavioral, and Economic Sciences			
47.075	D	53,959	Social, Behavioral, and Economic Sciences			
47.075	D	54,702	Social, Behavioral, and Economic Sciences			
47.075	D	69,536	Social, Behavioral, and Economic Sciences			
47.075	D	69,706	Social, Behavioral, and Economic Sciences			
47.075	D	86,171	Social, Behavioral, and Economic Sciences			
47.075	D	92,181	Social, Behavioral, and Economic Sciences			
47.075	D	128,003	Social, Behavioral, and Economic Sciences			
47.075	D	160,762	Social, Behavioral, and Economic Sciences			
47.075	I	8,510	Social, Behavioral, and Economic Sciences	2017-27	Davidson College	
47.076	D	1,142	Education and Human Resources			
47.076	D	2,048	Education and Human Resources			
47.076	D	9,866	Education and Human Resources			
47.076	D	14,675	Education and Human Resources			
47.076	D	16,404	Education and Human Resources			
47.076	D	25,539	Education and Human Resources			
47.076	D	31,999	Education and Human Resources			
47.076	D	44,002	Education and Human Resources			
47.076	D	45,386	Education and Human Resources			
47.076	D	49,614	Education and Human Resources			
47.076	D	57,775	Education and Human Resources			
47.076	D	68,526	Education and Human Resources			
47.076	D	74,109	Education and Human Resources			
47.076	D	88,057	Education and Human Resources			
47.076	D	136,760	Education and Human Resources			
47.076	D	138,247	Education and Human Resources			
47.076	D	148,718	Education and Human Resources			
47.076	D	178,929	Education and Human Resources			
47.076	D	398,539	Education and Human Resources			
47.076	D	417,824	Education and Human Resources			
47.076	I	6,210	Education and Human Resources	2017-000447	University of Puerto Rico Mayaguez Campus	
47.076	I	15,198	Education and Human Resources	Grant # 1533627	Morehouse College	
47.076	I	167,167	Education and Human Resources	4101-63663 / DUE-1431694	Purdue University	
47.079	I	606	Office of International Science and Engineering	OISE-15-61170-0	U.S. Civilian Research and Development Foundation	
47.U01	D	111,835	National Science Foundation			IPA - Program Manager
64.U01	D	62,518	U. S. Department of Veterans Affairs			IPA - Davies, Boyd
64.U02	D	3,734	U. S. Department of Veterans Affairs			Veterans With Dementia
64.U03	D	14,970	U. S. Department of Veterans Affairs			Story-Call: e-Mobile Support
81.086	I	51,059	Conservation Research and Development	2016-0802	Envision Charlotte	
81.087	D	112,649	Renewable Energy Research and Development			
81.087	I	62,483	Renewable Energy Research and Development	207BIR606	Portland State University	
81.087	I	182,280	Renewable Energy Research and Development	10001630/DE-FOA-0000856	Electric Power Research Institute, Inc.	
81.121	I	9,805	Nuclear Energy Research, Development and Demonstration	17-3304/PO# 2000032066	University of South Carolina	
81.135	I	154,455	Advanced Research Projects Agency - Energy	5645-UNCC-EARPA-0801	Pennsylvania State University	
81.U03	I	25,113	U. S. Department of Energy	1879-205-2011567	Clemson University	CAPER PD-1 Critical Infrastructure
81.U04	I	10,850	U. S. Department of Energy	324457	Battelle Memorial Institute	Communication Bridge

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81.U05	I	32,293	U. S. Department of Energy	245450-1	Los Alamos National Security	Numerical Simulation of Turbulent M
81.U06	I	283,381	U. S. Department of Energy	Task 4300104099 BOA 4100000316	Consolidated Nuclear Security, LLC	Securing American Manufacturing
81.U07	I	35,919	U. S. Department of Energy	309507	Brookhaven Science Associates, LLC	Support for Development of AIERCI
81.U08	I	53,051	U. S. Department of Energy	B621419	Lawrence Livermore National Laboratory	Surface Topography Measurements
81.U09	I	10,000	U. S. Department of Energy	Ltr dated 4/10/2017	Hydro Research Foundation	Performance of Magnetically Geared
81.U10	I	9,765	U. S. Department of Energy	PO#361759	Battelle Memorial Institute	Streaming Query User Interface
81.U11	I	35,774	U. S. Department of Energy	Task Order 4300105908	Consolidated Nuclear Security, LLC	SAM - Task 4300105908
81.U12	I	46,755	U. S. Department of Energy	N000229563	Honeywell Federal Manufacturing & Technologies, LLC	Non-Contact Dimensional Inspection
81.U13	I	4,969	U. S. Department of Energy	PO Number N000270917	Honeywell Federal Manufacturing & Technologies, LLC	Non-Contact Dimensional Inspection
81.U14	I	34,895	U. S. Department of Energy	Task Order 4300105977	Consolidated Nuclear Security, LLC	SAM - Task 4300105977
81.U15	I	21,771	U. S. Department of Energy	380698	Battelle Memorial Institute	Deception Detection in Social Media
81.U16	I	37,578	U. S. Department of Energy	390587	Battelle Memorial Institute	Increasing Distribution System
81.U17	I	35,253	U. S. Department of Energy	195684	Battelle Energy Alliance, LLC	LD RD 18A12-132FP IN FY18
84.007	D	(20)	Federal Supplemental Educational Opportunity Grants			
84.007	D	1,094	Federal Supplemental Educational Opportunity Grants			
84.007	D	96,418	Federal Supplemental Educational Opportunity Grants			
84.007	D	599,589	Federal Supplemental Educational Opportunity Grants			
84.010	I	4,655	Title I Grants to Local Educational Agencies	PO 3063989	Charlotte Mecklenburg Board of Education	
84.033	D	1,031,053	Federal Work-Study Program			
84.038	D	4,960,952	Federal Perkins Loan Program - Federal Capital Contributions			
84.063	D	(47,470)	Federal Pell Grant Program			
84.063	D	40,234,115	Federal Pell Grant Program			
84.200	D	191,993	Graduate Assistance in Areas of National Need			
84.268	D	304,286	Federal Direct Student Loans			
84.268	D	136,711,275	Federal Direct Student Loans			
84.305	D	193,914	Education Research, Development and Dissemination			
84.305	I	14,593	Education Research, Development and Dissemination	Agmt dated 02/20/2017	Assoc of Public and Land Grant Universities (APLU)	
84.305	I	101,392	Education Research, Development and Dissemination	43221	University of Delaware	
84.324	D	(339)	Research in Special Education			
84.324	I	(326)	Research in Special Education	224311A	University of Oregon	
84.324	I	69,561	Research in Special Education	S-000828	University of California, Riverside	
84.325	D	27,253	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	D	62,726	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	D	84,401	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	D	98,044	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	D	99,482	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	D	233,815	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	D	237,086	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.326	D	2,601,237	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities			
84.326	I	31,338	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	224440D	University of Oregon	
84.326	I	95,403	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	A006557004	University of Minnesota	
84.367	I	3,975	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2016	National Writing Project Corporation	
84.367	I	7,310	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2017-ILI	National Writing Project Corporation	
84.367	I	17,982	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	92-NC08-SEED2017-CRWPPD	National Writing Project Corporation	
93.070	I	68,642	Environmental Public Health and Emergency Response			
93.110	D	8,346	Maternal and Child Health Federal Consolidated Programs	2017-333 / 2016-361	Gaston County Department of Health	
93.121	I	1,551	Oral Diseases and Disorders Research	1794-209-2008855	Clemson University	
93.124	D	33,998	Nurse Anesthetist Traineeship			
93.155	I	38,783	Rural Health Research Centers	PO#78000004013	University of Kentucky Research Foundation	
93.178	D	12,391	Nursing Workforce Diversity			



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93.213	I	21,155	Research and Training in Complementary and Integrative Health	32270170-02	Baylor University	
93.213	I	72,360	Research and Training in Complementary and Integrative Health	UFDSP00010627	University of Florida	
93.226	D	43,100	Research on Healthcare Costs, Quality and Outcomes			
93.226	I	90	Research on Healthcare Costs, Quality and Outcomes	WFUHS 118148	Wake Forest University Health Science	
93.226	I	2,858	Research on Healthcare Costs, Quality and Outcomes	WFUHS 118147	Wake Forest University Health Science	
93.273	D	39,623	Alcohol Research Programs			
93.279	I	7,269	Drug Abuse and Addiction Research Programs	7109993	The Miriam Hospital	
93.307	I	(1,541)	Minority Health and Health Disparities Research	RN0078-2014-001	University of North Texas Health Science Center	
93.310	D	14,325	Trans-NIH Research Support			
93.350	D	18,000	National Center for Advancing Translational Sciences			
93.350	I	30,610	National Center for Advancing Translational Sciences	WFUHS 441418	Wake Forest University Health Science	
93.351	I	65,623	Research Infrastructure Programs	18-SUBC-440-0000392244	Smithsonian Institution	
93.364	D	1,110	Nursing Student Loans			
93.389	D	149,360	National Center for Research Resources			
93.393	D	100,052	Cancer Cause and Prevention Research			
93.393	I	(22)	Cancer Cause and Prevention Research	UFDSP00011092	University of Florida	
93.393	I	56,487	Cancer Cause and Prevention Research	2975-17-0453	Dualogics, LLC	
93.394	I	36,244	Cancer Detection and Diagnosis Research	223808 / 2R01CA135650-05A1	Massachusetts General Hospital	
93.394	I	59,998	Cancer Detection and Diagnosis Research	RC108375UNC	Michigan State University	
93.395	D	69,359	Cancer Treatment Research			
93.395	D	150,371	Cancer Treatment Research			
93.395	I	287,895	Cancer Treatment Research	2035509	Duke University	
93.396	D	101,351	Cancer Biology Research			
93.396	I	3,204	Cancer Biology Research	2975-2015-0715	OncoTab, Inc.	
93.433	I	4,370	ACL National Institute on Disability, Independent Living, and Rehabilitation Research	PO# WA00374879	University of Massachusetts	
93.732	D	334,988	Mental and Behavioral Health Education and Training Grants			
93.738	I	42,083	PPHF: Racial and Ethnic Approaches to Community Health Program financed solely by Public Prevention and Health Funds	PO# 2018279	Cabarrus Health Alliance	
93.837	D	40,056	Cardiovascular Diseases Research			
93.837	D	60,114	Cardiovascular Diseases Research			
93.838	D	108,546	Lung Diseases Research			
93.847	D	76,967	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.847	I	71,905	Diabetes, Digestive, and Kidney Diseases Extramural Research	VUMC 62470	Vanderbilt University	
93.853	D	62,617	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.853	D	145,661	Extramural Research Programs in the Neurosciences and Neurological Disorders			
93.855	D	7,120	Allergy and Infectious Diseases Research			
93.855	I	20,412	Allergy and Infectious Diseases Research	0000936572	Fred Hutchinson Cancer Research Center	
93.855	I	96,126	Allergy and Infectious Diseases Research	0000900564	Fred Hutchinson Cancer Research Center	
93.859	D	3,330	Biomedical Research and Research Training			
93.859	D	6,993	Biomedical Research and Research Training			
93.859	D	32,152	Biomedical Research and Research Training			
93.859	D	41,512	Biomedical Research and Research Training			
93.859	D	46,966	Biomedical Research and Research Training			
93.859	D	50,846	Biomedical Research and Research Training			
93.859	D	56,661	Biomedical Research and Research Training			
93.859	D	63,116	Biomedical Research and Research Training			
93.859	D	117,949	Biomedical Research and Research Training			
93.859	D	128,470	Biomedical Research and Research Training			
93.859	D	134,083	Biomedical Research and Research Training			
93.859	D	171,468	Biomedical Research and Research Training			
93.859	D	352,123	Biomedical Research and Research Training			
93.865	D	23,570	Child Health and Human Development Extramural Research			
93.865	I	62,969	Child Health and Human Development Extramural Research	PO # 88167-1/ KFS# 5633480	University of Connecticut	
93.866	I	9,481	Aging Research	3003913736/P01AG02940910	University of Michigan	
93.866	I	149,361	Aging Research	PO# PM00495959/SP00012985-01	Georgia State University	
93.910	I	11,053	Family and Community Violence Prevention Program	PO#2017189	Cabarrus Health Alliance	
93.925	D	523,937	Scholarships for Health Professions Students from Disadvantaged Backgrounds			
97.061	I	23,488	Centers for Homeland Security	R-16-0014	University of Houston	
97.U01	D	134,636	U. S. Department of Homeland Security			Mobile Security Management Tool
		<u>210,851,979</u>	Total — University of North Carolina at Charlotte			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

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<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
<b><u>University of North Carolina at Greensboro</u></b>						
10.025	D	24,773	Plant and Animal Disease, Pest Control, and Animal Care			
10.172	I	29,074	Local Food Promotion Program	#205756	City of Greensboro	
10.253	D	59,008	Consumer Data and Nutrition Research			
10.310	D	176,375	Agriculture and Food Research Initiative (AFRI)			
10.652	D	22,273	Forestry Research			
11.312	D	29,751	Research and Evaluation Program			
11.620	D	31,317	Science, Technology, Business and/or Education Outreach			
12.420	D	102,220	Military Medical Research and Development			
12.431	D	75,293	Basic Scientific Research			
12.901	D	6,063	Mathematical Sciences Grants			
16.609	I	29,312	Project Safe Neighborhoods	2016-GP-BX-0010	Greensboro Police Dept	
16.817	I	92	Innovations in Community-Based Crime Reduction	2014-AJ-BX-0015	City of Durham	
27.011	D	21,533	Intergovernmental Personnel Act (IPA) Mobility Program			
43.007	D	76,397	Space Operations			
45.149	D	7,347	Promotion of the Humanities Division of Preservation and Access			
45.160	D	47,388	Promotion of the Humanities Fellowships and Stipends			
45.161	I	19,502	Promotion of the Humanities Research	#1001419517	University of Iowa	
45.161	I	22,170	Promotion of the Humanities Research	NMU 2016-001	Northern Michigan University	
45.301	I	162	Museums for America	#205653	Greensboro Children's Museum	
47.041	D	156,915	Engineering Grants			
47.041	I	15,233	Engineering Grants	087442-16573	University of Illinois	
47.041	I	174,973	Engineering Grants	RG314-G2	Georgia Tech	
47.049	D	291,446	Mathematical and Physical Sciences			
47.049	I	22,400	Mathematical and Physical Sciences	#205807	American Statistical Assoc	
47.050	D	43,803	Geosciences			
47.070	D	3,150	Computer and Information Science and Engineering			
47.070	I	45,812	Computer and Information Science and Engineering	0008957-1000071879/6	Howard University	
47.074	D	2,938	Biological Sciences			
47.074	I	121,024	Biological Sciences	564K336	University of Wisconsin-Madison	
47.075	D	151,427	Social, Behavioral, and Economic Sciences			
47.075	I	3,751	Social, Behavioral, and Economic Sciences	0012090A	University of Texas	
47.075	I	7,028	Social, Behavioral, and Economic Sciences	0011729A	University of Texas	
47.076	D	505,333	Education and Human Resources			
47.076	I	14,372	Education and Human Resources	P601988/P700839	Prairie View A&M University	
47.076	I	56,192	Education and Human Resources	RC107583UNCG	Michigan State University	
47.076	I	78,923	Education and Human Resources	DRL-1502755	Michigan State University	
47.076	I	152,563	Education and Human Resources	C00056306-1	University of Missouri	
66.U03	D	289	U. S. Environmental Protection Agency			209075-EP-14-W-000040
84.007	D	661,816	Federal Supplemental Educational Opportunity Grants			
84.011	I	38,649	Migrant Education State Grant Program	1-312-021495-52532L	Research Triangle Institute (RTI International)	
84.031	D	179,707	Higher Education Institutional Aid			
84.033	D	458,644	Federal Work-Study Program			
84.038	D	5,185,107	Federal Perkins Loan Program - Federal Capital Contributions			
84.042	D	304,192	TRIO Student Support Services			
84.063	D	38,770,232	Federal Pell Grant Program			
84.217	D	129,122	TRIO McNair Post-Baccalaureate Achievement			
84.268	D	101,537,458	Federal Direct Student Loans			
84.305	D	1,105,415	Education Research, Development and Dissemination			
84.305	I	38,494	Education Research, Development and Dissemination	WFUHS 114266	Wake Forest University	
84.305	I	62,045	Education Research, Development and Dissemination	2014-00953-01-03-739	University of Illinois	
84.325	D	604,979	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.325	I	143,991	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities	88401 15-16	Salus University	
84.326	I	54,918	Special Education Technical Assistance and Dissemination to Improve Services and Results for Children with Disabilities	A006557003	Regents of the Univ of Minnesota	
84.336	D	1,269,358	Teacher Quality Partnership Grants			
84.351	I	55,758	Arts in Education	2101 Req 709	Guilford County Schools	
84.365	D	223,189	English Language Acquisition State Grants			
84.366	I	129,210	Mathematics and Science Partnerships	#205732	Brunswick County Schools	
84.366	I	320,727	Mathematics and Science Partnerships	#205770	Brunswick County Schools	

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84.379	D	9,270	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.411	I	216,798	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	1516-013-01	Columbus State Community College	
84.411	I	233,907	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	U411B120049	Jobs for the Future	
84.411	I	293,574	Education Innovation and Research (formerly Investing in Innovation (i3) Fund)	#511138	Teachers College Columbia University	
84.U05	D	1,248,658	U. S. Department of Education			209085-ED-ESE-14-C-0131 National Ctr o Homeless Education-9/30/2014-9/29/2017
93.113	D	210,696	Environmental Health			
93.124	D	35,580	Nurse Anesthetist Traineeship			
93.191	D	306,367	Graduate Psychology Education			
93.213	D	376,552	Research and Training in Complementary and Integrative Health			
93.213	I	126,010	Research and Training in Complementary and Integrative Health	BP010966	University of Washington	
93.213	I	325,708	Research and Training in Complementary and Integrative Health	132416 G00	Washington State University	
93.242	D	162,795	Mental Health Research Grants			
93.243	D	122,888	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.247	D	582,229	Advanced Nursing Education Workforce Grant Program			
93.273	D	560,299	Alcohol Research Programs			
93.273	I	290,265	Alcohol Research Programs	5304-2931	Pennsylvania State University	
93.279	D	555,953	Drug Abuse and Addiction Research Programs			
93.279	I	27,511	Drug Abuse and Addiction Research Programs	361052-04760-02	Temple University	
93.279	I	28,234	Drug Abuse and Addiction Research Programs	500392-78053	Northeastern University	
93.283	I	1,750	Centers for Disease Control and Prevention Investigations and Technical Assistance	PROJECT#17-07-407	Assoc for Prevention Teaching and Research	
93.286	D	90,546	Discovery and Applied Research for Technological Innovations to Improve Human Health			
93.307	I	4,822	Minority Health and Health Disparities Research	#205766	Wake Forest University	
93.359	D	468,015	Nurse Education, Practice Quality and Retention Grants			
93.395	D	46,556	Cancer Treatment Research			
93.395	I	462	Cancer Treatment Research	#4500002674	Boston University	
93.395	I	17,061	Cancer Treatment Research	R15CA192936-uNCG	Campbell University	
93.395	I	308,402	Cancer Treatment Research	P01CA125066	Ohio State University	
93.575	D	350	Child Care and Development Block Grant			
93.576	D	25,751	Refugee and Entrant Assistance Discretionary Grants			
93.591	I	1,009	Family Violence Prevention and Services/State Domestic Violence Coalitions	#205757	N'L Resource Ctr of Domestic Violence	
93.600	I	75,715	Head Start	#205782	Guilford Child Development	
93.647	I	85,557	Social Services Research and Demonstration	90PH0025-02-00	Child Trends	
93.670	I	10,000	Child Abuse and Neglect Discretionary Activities	#170605	Ctr for the Study of Soc Policy	
93.732	D	216,932	Mental and Behavioral Health Education and Training Grants			
93.779	I	2,471	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations	23-312-0212790-52034	Research Triangle Institute (RTI International)	
93.837	D	170,570	Cardiovascular Diseases Research			
93.847	D	310,468	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.855	D	325,442	Allergy and Infectious Diseases Research			
93.859	D	330,615	Biomedical Research and Research Training			
93.859	I	32,951	Biomedical Research and Research Training	1R15GM119052-1	University of Alabama	
93.865	D	1,243,026	Child Health and Human Development Extramural Research			
93.865	I	88,720	Child Health and Human Development Extramural Research	431909-19728	Virginia Polytechnic Institute and State University	
93.866	D	35,867	Aging Research			
93.928	I	28,711	Special Projects of National Significance	WFUHS 119038	Wake Forest University	
93.941	I	16,669	HIV Demonstration, Research, Public and Professional Education Projects	WFUHS 115788	Wake Forest University	
93.959	D	2,922	Block Grants for Prevention and Treatment of Substance Abuse			
93.959	I	30,118	Block Grants for Prevention and Treatment of Substance Abuse	P00001134	Sandhills Center	
93.U07	I	39,119	U. S. Department of Health and Human Services	8-312-0213405-51919L	Research Triangle Institute (RTI International)	205755-790 8-312-0213405-51919L (SBIRT Evaluation)
		163,624,524	Total — University of North Carolina at Greensboro			
<b>University of North Carolina at Pembroke</b>						
10.025	D	38,375	Plant and Animal Disease, Pest Control, and Animal Care			
12.431	D	148,494	Basic Scientific Research			
12.630	D	242,718	Basic, Applied, and Advanced Research in Science and Engineering			
17.259	I	580,711	WIOA Youth Activities	44-17-5467 YTH	LRCOG	
20.205	D	20,881	Highway Planning and Construction			
47.049	D	53,426	Mathematical and Physical Sciences			
47.076	D	118,497	Education and Human Resources			

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84.007	D	196,492	Federal Supplemental Educational Opportunity Grants			
84.033	D	118,552	Federal Work-Study Program			
84.038	D	839,938	Federal Perkins Loan Program - Federal Capital Contributions			
84.042	D	146,557	TRIO Student Support Services			
84.063	D	14,879,180	Federal Pell Grant Program			
84.268	D	40,721,859	Federal Direct Student Loans			
84.299	I	211,938	Indian Education -- Special Programs for Indian Children	N/A	Lumbee Lan Development, Inc.	
84.379	D	31,930	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.382	D	315,377	Strengthening Minority-Serving Institutions			
93.243	D	110,172	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.859	D	306,796	Biomedical Research and Research Training			
93.926	D	635,834	Healthy Start Initiative			
		<u>59,717,727</u>	Total — University of North Carolina at Pembroke			
<b>University of North Carolina at Wilmington</b>						
10.310	D	174,643	Agriculture and Food Research Initiative (AFRI)			
11.008	I	9,000	NOAA Mission-Related Education Awards	SA 18-08	Consortium for Ocean Leadership, Inc.	
11.012	I	26,216	Integrated Ocean Observing System (IOOS)	IOOS.16(28)UNCW.JD.PRO.1	SECOORA	
11.012	I	382,210	Integrated Ocean Observing System (IOOS)	10OS.16(028)UNCW.LL.OBS.1	SECOORA	
11.417	D	38,503	Sea Grant Support			
11.419	I	7,065	Coastal Zone Management Administration Awards	2657RC-001-UNCW	Dauphin Island Sea Lab	
11.419	I	212,959	Coastal Zone Management Administration Awards	3004278672	The University of Michigan	
11.427	D	58,913	Fisheries Development and Utilization Research and Development Grants and Cooperative			
11.432	I	131,701	National Oceanic and Atmospheric Administration (NOAA) Cooperative Institutes	URJ58	Florida Atlantic University	
11.439	D	93,590	Marine Mammal Data Program			
11.472	D	11,178	Unallied Science Program			
11.999	D	57,858	Marine Debris Program			
12.300	D	92,949	Basic and Applied Scientific Research			
15.423	D	55,855	Bureau of Ocean Energy Management (BOEM) Environmental Studies (ES)			
15.630	D	20,390	Coastal			
15.663	I	1,582	National Fish and Wildlife Foundation	1701.14.046069	National Fish and Wildlife Foundation	
15.810	D	13,122	National Cooperative Geologic Mapping			
16.525	D	75,656	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
19.501	D	279,667	Public Diplomacy Programs for Afghanistan and Pakistan			
43.001	D	44,545	Science			
45.024	D	9,311	Promotion of the Arts Grants to Organizations and Individuals			
45.024	I	3,528	Promotion of the Arts Grants to Organizations and Individuals	5236	UNCW Research Foundation	
47.049	D	259,783	Mathematical and Physical Sciences			
47.050	D	619,583	Geosciences			
47.050	I	18,980	Geosciences	AGREEMENT 9.1.2016	Clafflin University	
47.050	I	19,543	Geosciences	Agreement 12 12 17	Clafflin University	
47.070	D	116,480	Computer and Information Science and Engineering			
47.074	D	48,724	Biological Sciences			
47.074	I	28,356	Biological Sciences	UP1600233A	University of South Dakota	
47.074	I	66,938	Biological Sciences	131817	University of Arizona	
47.074	I	83,758	Biological Sciences	420-66-08A	Iowa State University	
47.075	D	22,216	Social, Behavioral, and Economic Sciences			
47.075	I	11,278	Social, Behavioral, and Economic Sciences	ULRF 16-0243-001	University of Louisville Research Fdn, Inc.	
47.075	I	53,863	Social, Behavioral, and Economic Sciences	A17-1027-S001	University of Tennessee	
47.076	D	57,014	Education and Human Resources			
47.076	I	1,689	Education and Human Resources	1463898	University of Maryland	
64.034	D	46,748	VA Grants for Adaptive Sports Programs for Disabled Veterans and Disabled Members of the Armed Forces			
66.456	I	10,189	National Estuary Program	S1702	Barneget Bay Partnership	
66.509	D	80,136	Science To Achieve Results (STAR) Research Program			
84.007	D	339,002	Federal Supplemental Educational Opportunity Grants			
84.033	D	476,520	Federal Work-Study Program			
84.038	D	3,645,255	Federal Perkins Loan Program - Federal Capital Contributions			

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84.063	D	18,754,577	Federal Pell Grant Program			
84.268	D	77,840,825	Federal Direct Student Loans			
84.379	D	104,342	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
93.113	I	145,789	Environmental Health	2017-001	SeaTox Research, Inc.	
93.121	I	28,697	Oral Diseases and Disorders Research	2017-3474	University of California	
93.243	I	2,106	Substance Abuse and Mental Health Services Projects of Regional and National Significance	UNCW 03	County of Brunswick	
93.243	I	6,916	Substance Abuse and Mental Health Services Projects of Regional and National Significance	UNCW-02	County of Brunswick	
93.273	D	127,883	Alcohol Research Programs			
93.273	I	15,367	Alcohol Research Programs	2036469	Duke University	
93.279	D	46,793	Drug Abuse and Addiction Research Programs			
93.350	D	15,665	National Center for Advancing Translational Sciences			
93.361	I	11,602	Nursing Research	10037474-UNC	University of Utah	
93.516	I	27,849	Public Health Training Centers Program	T657422(T470332)	Emory University	
93.847	D	70,539	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.855	I	15,726	Allergy and Infectious Diseases Research	A18-0078-S001	The Board of Trustees of Illinois State	
93.859	D	79,592	Biomedical Research and Research Training			
93.866	D	105,604	Aging Research			
94.026	I	19,518	National Service and Civic Engagement Research Competition	18-393	Arizona State University	
		<u>105,225,886</u>	Total — University of North Carolina at Wilmington			

**North Carolina School of the Arts**

84.007	D	49,600	Federal Supplemental Educational Opportunity Grants			
84.033	D	40,028	Federal Work-Study Program			
84.038	D	593,176	Federal Perkins Loan Program - Federal Capital Contributions			
84.063	D	1,160,468	Federal Pell Grant Program			
84.268	D	7,335,579	Federal Direct Student Loans			
		<u>9,178,851</u>	Total — North Carolina School of the Arts			

**Western Carolina University**

10.435	D	113,703	State Mediation Grants			
10.652	D	31,637	Forestry Research			
10.664	D	18,104	Cooperative Forestry Assistance			
10.699	D	38,507	Partnership Agreements			
11.303	D	118,769	Economic Development Technical Assistance			
15.657	D	74,251	Endangered Species Conservation - Recovery Implementation Funds			
15.678	D	19,441	Cooperative Ecosystem Studies Units			
15.808	D	22,343	U.S. Geological Survey Research and Data Collection			
15.945	D	280,619	Cooperative Research and Training Programs - Resources of the National Park System			
16.560	D	132,775	National Institute of Justice Research, Evaluation, and Development Project Grants			
45.024	D	25,000	Promotion of the Arts Grants to Organizations and Individuals			
45.163	D	10,891	Promotion of the Humanities Professional Development			
47.050	D	121,579	Geosciences			
47.074	D	19,994	Biological Sciences			
47.076	D	209,346	Education and Human Resources			
77.008	D	96,416	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program			
84.007	D	304,189	Federal Supplemental Educational Opportunity Grants			
84.021	D	54,862	Overseas Programs - Group Projects Abroad			
84.033	D	541,986	Federal Work-Study Program			
84.038	D	7,003,561	Federal Perkins Loan Program - Federal Capital Contributions			
84.044	D	383,534	TRIO Talent Search			
84.063	D	17,042,170	Federal Pell Grant Program			
84.268	D	71,590,468	Federal Direct Student Loans			
84.325	D	48,889	Special Education - Personnel Development to Improve Services and Results for Children with Disabilities			
84.379	D	19,108	Teacher Education Assistance for College and Higher Education Grants (TEACH Grants)			
84.408	D	10,925	Postsecondary Education Scholarships for Veteran's Dependents			
93.069	D	326	Public Health Emergency Preparedness			
93.124	D	15,313	Nurse Anesthetist Traineeship			

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93.178	D	71,377	Nursing Workforce Diversity			
93.243	D	178,434	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.247	D	385,140	Advanced Nursing Education Workforce Grant Program			
93.307	I	61,172	Minority Health and Health Disparities Research	127687 G003655	USDHHS-Via WSU	
93.323	I	136,987	Epidemiology and Laboratory Capacity for Infectious Diseases (ELC)	NU50CK000384	USDHHS	
93.359	D	418,440	Nurse Education, Practice Quality and Retention Grants			
93.732	D	98,141	Mental and Behavioral Health Education and Training Grants			
93.847	I	17,731	Diabetes, Digestive, and Kidney Diseases Extramural Research	FY18.001.019	USDHHS-Via UOC	
93.933	I	89,233	Demonstration Projects for Indian Health	WCU-1400-01	USDHHS-Via USET	
93.959	D	4,831	Block Grants for Prevention and Treatment of Substance Abuse			
		<u>99,810,192</u>	Total — Western Carolina University			

**Winston-Salem State University**

11.300	D	124,125	Investments for Public Works and Economic Development Facilities			
15.663	D	38,240	National Fish and Wildlife Foundation			
15.670	D	19,695	Adaptive Science			
19.009	D	28,628	Academic Exchange Programs - Undergraduate Programs			
20.215	D	9,779	Highway Training and Education			
43.008	D	8,352	Education			
47.074	D	83,401	Biological Sciences			
47.076	D	800,314	Education and Human Resources			
84.007	D	497,155	Federal Supplemental Educational Opportunity Grants			
84.031	D	5,838,144	Higher Education Institutional Aid			
84.033	D	685,636	Federal Work-Study Program			
84.038	D	834,901	Federal Perkins Loan Program - Federal Capital Contributions			
84.042	D	243,775	TRIO Student Support Services			
84.063	D	15,529,672	Federal Pell Grant Program			
84.129	D	590,925	Rehabilitation Long-Term Training			
84.268	D	34,046,798	Federal Direct Student Loans			
84.382	D	379,739	Strengthening Minority-Serving Institutions			
93.088	D	9,134	Advancing System Improvements for Key Issues in Women's Health			
93.243	D	274,761	Substance Abuse and Mental Health Services Projects of Regional and National Significance			
93.307	D	162,664	Minority Health and Health Disparities Research			
93.364	D	4,988	Nursing Student Loans			
93.779	D	141,977	Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations			
93.847	D	5,992	Diabetes, Digestive, and Kidney Diseases Extramural Research			
93.859	D	555,944	Biomedical Research and Research Training			
93.925	D	1,028,950	Scholarships for Health Professions Students from Disadvantaged Backgrounds			
		<u>61,943,689</u>	Total — Winston-Salem State University			
		<u>2,798,501,908</u>	Total — University of North Carolina System			

**Community Colleges:****Alamance Community College**

47.049	D	55,245	Mathematical and Physical Sciences			
84.007	D	87,106	Federal Supplemental Educational Opportunity Grants			
84.033	D	95,010	Federal Work-Study Program			
84.063	D	6,312,193	Federal Pell Grant Program			
		<u>6,549,554</u>	Total — Alamance Community College			

**Asheville-Buncombe Technical Community College**

10.577	I	65,716	SNAP Partnership Grant	Contract # 2492	Buncombe County DSS	
17.258	I	225,597	WIOA Adult Program	WIOA-2017-61-ABTCC-02	Mountain Area Workforce	
17.259	I	64,574	WIOA Youth Activities	UpSkills	Mountain Area Workforce	
17.278	I	196,526	WIOA Dislocated Worker Formula Grants	WIOA-2017-61-ABTCC-02	Mountain Area Workforce	
47.076	D	126,880	Education and Human Resources			
47.076	D	212,525	Education and Human Resources			
84.007	D	138,749	Federal Supplemental Educational Opportunity Grants			

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84.033	D	117,163	Federal Work-Study Program			
84.063	D	9,356,768	Federal Pell Grant Program			
84.268	D	6,769,130	Federal Direct Student Loans			
		<u>17,273,628</u>	Total — Asheville-Buncombe Technical Community College			
<b><u>Beaufort County Community College</u></b>						
84.007	D	100,200	Federal Supplemental Educational Opportunity Grants			
84.033	D	58,207	Federal Work-Study Program			
84.042	D	288,540	TRIO Student Support Services			
84.063	D	1,716,866	Federal Pell Grant Program			
		<u>2,163,813</u>	Total — Beaufort County Community College			
<b><u>Bladen Community College</u></b>						
17.258	I	122,259	WIOA Adult Program	LRCOG	Lumber River	
17.259	I	127,304	WIOA Youth Activities	LRCOG	Lumber River	
17.278	I	102,597	WIOA Dislocated Worker Formula Grants	LRCOG	Lumber River	
84.007	D	65,000	Federal Supplemental Educational Opportunity Grants			
84.033	D	47,063	Federal Work-Study Program			
84.063	D	2,953,667	Federal Pell Grant Program			
		<u>3,417,890</u>	Total — Bladen Community College			
<b><u>Blue Ridge Community College</u></b>						
17.258	I	106,440	WIOA Adult Program	N/A	Land of Sky Regional Council	
17.259	I	166,969	WIOA Youth Activities	N/A	Land of Sky Regional Council	
17.278	I	147,832	WIOA Dislocated Worker Formula Grants	N/A	Land of Sky Regional Council	
64.028	D	62,126	Post-9/11 Veterans Educational Assistance			
84.007	D	42,250	Federal Supplemental Educational Opportunity Grants			
84.033	D	31,322	Federal Work-Study Program			
84.063	D	2,624,567	Federal Pell Grant Program			
84.268	D	1,829,695	Federal Direct Student Loans			
		<u>5,011,201</u>	Total — Blue Ridge Community College			
<b><u>Brunswick Community College</u></b>						
84.007	D	42,351	Federal Supplemental Educational Opportunity Grants			
84.033	D	45,854	Federal Work-Study Program			
84.063	D	2,075,098	Federal Pell Grant Program			
		<u>2,163,303</u>	Total — Brunswick Community College			
<b><u>Caldwell Community College and Technical Institute</u></b>						
84.007	D	96,310	Federal Supplemental Educational Opportunity Grants			
84.033	D	101,198	Federal Work-Study Program			
84.042	D	312,087	TRIO Student Support Services			
84.063	D	4,615,069	Federal Pell Grant Program			
		<u>5,124,664</u>	Total — Caldwell Community College and Technical Institute			
<b><u>Cape Fear Community College</u></b>						
47.076	D	126,479	Education and Human Resources			
84.007	D	101,189	Federal Supplemental Educational Opportunity Grants			
84.033	D	74,333	Federal Work-Study Program			
84.063	D	12,959,698	Federal Pell Grant Program			
84.268	D	7,676,879	Federal Direct Student Loans			
		<u>20,938,578</u>	Total — Cape Fear Community College			
<b><u>Carteret Community College</u></b>						
17.258	I	121,365	WIOA Adult Program	2020	ECWDB	
17.259	I	183,228	WIOA Youth Activities	2040	ECWDB	
17.278	I	28,032	WIOA Dislocated Worker Formula Grants	2030	ECWDB	
84.007	D	36,296	Federal Supplemental Educational Opportunity Grants			
84.033	D	44,486	Federal Work-Study Program			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

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<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
84.042	D	266,607	TRIO Student Support Services			
84.063	D	2,688,538	Federal Pell Grant Program			
		<u>3,368,552</u>	Total — Carteret Community College			
<b><u>Catawba Valley Community College</u></b>						
12.903	D	41,094	GenCyber Grants Program			
23.001	D	8,911	Appalachian Regional Development (See individual Appalachian Programs)			
84.007	D	140,307	Federal Supplemental Educational Opportunity Grants			
84.033	D	115,721	Federal Work-Study Program			
84.063	D	7,061,448	Federal Pell Grant Program			
84.268	D	1,944,933	Federal Direct Student Loans			
		<u>9,312,414</u>	Total — Catawba Valley Community College			
<b><u>Central Carolina Community College</u></b>						
47.U02	D	30,750	National Science Foundation			NSF - National Science Foundation
84.007	D	127,950	Federal Supplemental Educational Opportunity Grants			
84.031	D	114,858	Higher Education Institutional Aid			
84.033	D	78,103	Federal Work-Study Program			
84.042	D	373,367	TRIO Student Support Services			
84.047	D	684,313	TRIO Upward Bound			
84.063	D	7,021,527	Federal Pell Grant Program			
84.116	D	2,066,446	Fund for the Improvement of Postsecondary Education			
		<u>10,497,314</u>	Total — Central Carolina Community College			
<b><u>Central Piedmont Community College</u></b>						
17.259	I	734,694	WIOA Youth Activities	2040-36	Charlotte Works	
17.282	D	1,389,981	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants			
45.164	I	1,200	Promotion of the Humanities Public Programs	N/A	Library of America	
47.076	D	77,862	Education and Human Resources			
47.076	D	507,352	Education and Human Resources			
47.076	I	13,468	Education and Human Resources	1601452	Riverside CC District	
77.008	D	4,681	U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program			
84.007	D	616,860	Federal Supplemental Educational Opportunity Grants			
84.033	D	539,682	Federal Work-Study Program			
84.042	D	269,702	TRIO Student Support Services			
84.063	D	30,433,310	Federal Pell Grant Program			
		<u>34,588,792</u>	Total — Central Piedmont Community College			
<b><u>Cleveland Community College</u></b>						
84.007	D	57,930	Federal Supplemental Educational Opportunity Grants			
84.033	D	86,271	Federal Work-Study Program			
84.042	D	237,566	TRIO Student Support Services			
84.044	D	288,214	TRIO Talent Search			
84.063	D	4,276,397	Federal Pell Grant Program			
		<u>4,946,378</u>	Total — Cleveland Community College			
<b><u>Coastal Carolina Community College</u></b>						
17.258	I	293,032	WIOA Adult Program	17-2020-4020-40-6035-07	ECWDB	
17.259	I	114,814	WIOA Youth Activities	17-2040-4040-40-6035-07	ECWDB	
17.278	I	172,871	WIOA Dislocated Worker Formula Grants	17-2030-4030-40-6035-07	ECWDB	
84.007	D	126,302	Federal Supplemental Educational Opportunity Grants			
84.033	D	140,837	Federal Work-Study Program			
84.063	D	8,469,497	Federal Pell Grant Program			
		<u>9,317,353</u>	Total — Coastal Carolina Community College			
<b><u>College of the Albemarle</u></b>						
10.855	D	2,131	Distance Learning and Telemedicine Loans and Grants			
84.007	D	54,049	Federal Supplemental Educational Opportunity Grants			
84.033	D	35,952	Federal Work-Study Program			
84.063	D	2,818,048	Federal Pell Grant Program			
		<u>2,910,180</u>	Total — College of the Albemarle			



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<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
<b><u>Craven Community College</u></b>						
47.076	D	52,356	Education and Human Resources			
84.007	D	113,758	Federal Supplemental Educational Opportunity Grants			
84.031	D	513,294	Higher Education Institutional Aid			
84.033	D	48,783	Federal Work-Study Program			
84.042	D	229,639	TRIO Student Support Services			
84.063	D	5,135,487	Federal Pell Grant Program			
84.066	D	100,927	TRIO Educational Opportunity Centers			
		<u>6,194,244</u>	Total — Craven Community College			
<b><u>Davidson County Community College</u></b>						
84.007	D	106,236	Federal Supplemental Educational Opportunity Grants			
84.033	D	106,241	Federal Work-Study Program			
84.042	D	185,323	TRIO Student Support Services			
84.044	D	205,165	TRIO Talent Search			
84.047	D	110,255	TRIO Upward Bound			
84.063	D	5,922,102	Federal Pell Grant Program			
84.268	D	3,917,749	Federal Direct Student Loans			
		<u>10,553,071</u>	Total — Davidson County Community College			
<b><u>Durham Technical Community College</u></b>						
84.007	D	169,328	Federal Supplemental Educational Opportunity Grants			
84.033	D	148,768	Federal Work-Study Program			
84.063	D	6,678,269	Federal Pell Grant Program			
84.268	D	4,754,232	Federal Direct Student Loans			
94.002	D	49,604	Retired and Senior Volunteer Program			
		<u>11,800,201</u>	Total — Durham Technical Community College			
<b><u>Edgecombe Community College</u></b>						
84.007	D	81,940	Federal Supplemental Educational Opportunity Grants			
84.031	D	484,470	Higher Education Institutional Aid			
84.033	D	64,880	Federal Work-Study Program			
84.063	D	5,496,998	Federal Pell Grant Program			
84.268	D	5,316,654	Federal Direct Student Loans			
		<u>11,444,942</u>	Total — Edgecombe Community College			
<b><u>Fayetteville Technical Community College</u></b>						
84.007	D	281,362	Federal Supplemental Educational Opportunity Grants			
84.033	D	281,861	Federal Work-Study Program			
84.063	D	24,610,631	Federal Pell Grant Program			
84.268	D	19,277,323	Federal Direct Student Loans			
		<u>44,451,177</u>	Total — Fayetteville Technical Community College			
<b><u>Forsyth Technical Community College</u></b>						
12.902	D	314,870	Information Security Grants			
12.903	D	91,832	GenCyber Grants Program			
47.076	D	108,669	Education and Human Resources			
84.007	D	347,328	Federal Supplemental Educational Opportunity Grants			
84.031	D	386,821	Higher Education Institutional Aid			
84.033	D	183,526	Federal Work-Study Program			
84.063	D	13,243,045	Federal Pell Grant Program			
84.268	D	8,681,087	Federal Direct Student Loans			
		<u>23,357,178</u>	Total — Forsyth Technical Community College			
<b><u>Gaston College</u></b>						
17.235	I	213,035	Senior Community Service Employment Program	1718-348	Senior Service America, Inc.	
17.259	I	258,200	WIOA Youth Activities	1718-349	Gaston County	
45.310	I	27,222	Grants to States	1718-20903	State Library of North Carolina	
47.076	D	1,698	Education and Human Resources			
47.076	D	34,624	Education and Human Resources			

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47.076	D	117,036	Education and Human Resources			
84.007	D	130,081	Federal Supplemental Educational Opportunity Grants			
84.033	D	111,402	Federal Work-Study Program			
84.042	D	228,427	TRIO Student Support Services			
84.047	D	155,875	TRIO Upward Bound			
84.063	D	8,782,312	Federal Pell Grant Program			
		<u>10,059,912</u>	Total — Gaston College			
<b><u>Guilford Technical Community College</u></b>						
64.028	D	272,188	Post-9/11 Veterans Educational Assistance			
84.007	D	354,792	Federal Supplemental Educational Opportunity Grants			
84.031	D	430,757	Higher Education Institutional Aid			
84.033	D	318,955	Federal Work-Study Program			
84.063	D	22,590,949	Federal Pell Grant Program			
84.268	D	23,524,305	Federal Direct Student Loans			
		<u>47,491,946</u>	Total — Guilford Technical Community College			
<b><u>Halifax Community College</u></b>						
17.258	D	441,632	WIOA Adult Program			
84.007	D	28,000	Federal Supplemental Educational Opportunity Grants			
84.033	D	31,484	Federal Work-Study Program			
84.042	D	325,832	TRIO Student Support Services			
84.063	D	889,504	Federal Pell Grant Program			
84.066	D	215,390	TRIO Educational Opportunity Centers			
84.382	D	472,699	Strengthening Minority-Serving Institutions			
		<u>2,404,541</u>	Total — Halifax Community College			
<b><u>Haywood Community College</u></b>						
84.007	D	37,485	Federal Supplemental Educational Opportunity Grants			
84.033	D	44,006	Federal Work-Study Program			
84.063	D	2,454,467	Federal Pell Grant Program			
		<u>2,535,958</u>	Total — Haywood Community College			
<b><u>Isothermal Community College</u></b>						
23.001	D	40,446	Appalachian Regional Development (See individual Appalachian Programs)			
23.001	D	43,557	Appalachian Regional Development (See individual Appalachian Programs)			
23.001	D	53,537	Appalachian Regional Development (See individual Appalachian Programs)			
23.001	D	246,920	Appalachian Regional Development (See individual Appalachian Programs)			
84.007	D	56,582	Federal Supplemental Educational Opportunity Grants			
84.033	D	64,562	Federal Work-Study Program			
84.063	D	3,281,193	Federal Pell Grant Program			
99.U06	I	128,213	Other Federal Assistance	1545	Corporate for Public	Corporate For Broadcasting 1545
		<u>3,915,010</u>	Total — Isothermal Community College			
<b><u>James Sprunt Community College</u></b>						
17.258	D	205,289	WIOA Adult Program			
17.268	D	727,978	H-1B Job Training Grants			
17.278	D	44,349	WIOA Dislocated Worker Formula Grants			
84.007	D	41,112	Federal Supplemental Educational Opportunity Grants			
84.033	D	32,882	Federal Work-Study Program			
84.042	D	352,923	TRIO Student Support Services			
84.044	D	283,872	TRIO Talent Search			
84.047	D	267,919	TRIO Upward Bound			
84.063	D	2,510,389	Federal Pell Grant Program			
		<u>4,466,713</u>	Total — James Sprunt Community College			
<b><u>Johnston Community College</u></b>						
47.076	D	84,803	Education and Human Resources			
84.007	D	81,515	Federal Supplemental Educational Opportunity Grants			
84.033	D	59,964	Federal Work-Study Program			

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<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
84.042	D	242,040	TRIO Student Support Services			
84.063	D	5,267,542	Federal Pell Grant Program			
		<u>5,735,864</u>	Total — Johnston Community College			
<b><u>Lenoir Community College</u></b>						
17.258	I	4,000	WIOA Adult Program	11-2020-40-6169		Eastern Carolina Workforce Development Board
17.258	I	171,774	WIOA Adult Program	11-2020-40-6169		Eastern Carolina Workforce Development Board
17.259	I	186,930	WIOA Youth Activities	11-2020-40-6169		Eastern Carolina Workforce Development Board
17.278	I	73,693	WIOA Dislocated Worker Formula Grants	11-2020-40-6169		Eastern Carolina Workforce Development Board
84.007	D	127,627	Federal Supplemental Educational Opportunity Grants			
84.033	D	53,855	Federal Work-Study Program			
84.063	D	4,071,931	Federal Pell Grant Program			
		<u>4,689,810</u>	Total — Lenoir Community College			
<b><u>Martin Community College</u></b>						
84.007	D	27,407	Federal Supplemental Educational Opportunity Grants			
84.033	D	21,168	Federal Work-Study Program			
84.063	D	774,248	Federal Pell Grant Program			
		<u>822,823</u>	Total — Martin Community College			
<b><u>Mayland Community College</u></b>						
17.258	I	211,990	WIOA Adult Program	17-4020-49-1380		Region D
17.259	I	9,386	WIOA Youth Activities	17-4020-49-1380		Region D
17.259	I	205,526	WIOA Youth Activities	17-4020-49-1380		Region D
17.278	I	33,046	WIOA Dislocated Worker Formula Grants	17-4020-49-1380		Region D
17.278	I	60,000	WIOA Dislocated Worker Formula Grants	17-4020-49-1380		Region D
17.278	I	124,999	WIOA Dislocated Worker Formula Grants	17-4020-49-1380		Region D
84.007	D	15,300	Federal Supplemental Educational Opportunity Grants			
84.033	D	19,165	Federal Work-Study Program			
84.042	D	299,460	TRIO Student Support Services			
84.063	D	1,482,490	Federal Pell Grant Program			
		<u>2,461,362</u>	Total — Mayland Community College			
<b><u>McDowell Technical Community College</u></b>						
84.007	D	17,106	Federal Supplemental Educational Opportunity Grants			
84.033	D	19,692	Federal Work-Study Program			
84.063	D	1,402,976	Federal Pell Grant Program			
		<u>1,439,774</u>	Total — McDowell Technical Community College			
<b><u>Mitchell Community College</u></b>						
84.007	D	55,238	Federal Supplemental Educational Opportunity Grants			
84.033	D	38,480	Federal Work-Study Program			
84.063	D	3,645,071	Federal Pell Grant Program			
		<u>3,738,789</u>	Total — Mitchell Community College			
<b><u>Montgomery Community College</u></b>						
84.007	D	13,258	Federal Supplemental Educational Opportunity Grants			
84.033	D	30,060	Federal Work-Study Program			
84.063	D	1,162,129	Federal Pell Grant Program			
		<u>1,205,447</u>	Total — Montgomery Community College			
<b><u>Nash Community College</u></b>						
17.282	D	30,559	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants			
84.007	D	15,000	Federal Supplemental Educational Opportunity Grants			
84.033	D	35,000	Federal Work-Study Program			
84.063	D	5,021,586	Federal Pell Grant Program			
84.268	D	2,762,964	Federal Direct Student Loans			
		<u>7,865,109</u>	Total — Nash Community College			

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<b><u>Pamlico Community College</u></b>						
17.258	I	56,601	WIOA Adult Program	17-4020-40-6227-08	WAC	
17.278	I	8,099	WIOA Dislocated Worker Formula Grants	17-4030-40-6227-08	WAC	
17.804	D	7,404	Local Veterans' Employment Representative Program			
84.007	D	10,574	Federal Supplemental Educational Opportunity Grants			
84.033	D	6,524	Federal Work-Study Program			
84.063	D	706,830	Federal Pell Grant Program			
84.334	I	7,593	Gaining Early Awareness and Readiness for Undergraduate Programs	9012343-96	University of North Carolina General Administration	
		<u>803,625</u>	Total — Pamlico Community College			
<b><u>Piedmont Community College</u></b>						
17.259	I	140,962	WIOA Youth Activities	N/A	Council of Governments	
84.007	D	28,198	Federal Supplemental Educational Opportunity Grants			
84.033	D	29,707	Federal Work-Study Program			
84.042	D	399,901	TRIO Student Support Services			
84.063	D	1,675,966	Federal Pell Grant Program			
84.066	D	535,587	TRIO Educational Opportunity Centers			
		<u>2,810,321</u>	Total — Piedmont Community College			
<b><u>Pitt Community College</u></b>						
84.007	D	165,573	Federal Supplemental Educational Opportunity Grants			
84.033	D	235,878	Federal Work-Study Program			
84.042	D	233,578	TRIO Student Support Services			
84.063	D	17,999,888	Federal Pell Grant Program			
84.066	D	213,560	TRIO Educational Opportunity Centers			
84.268	D	14,628,242	Federal Direct Student Loans			
		<u>33,476,719</u>	Total — Pitt Community College			
<b><u>Randolph Community College</u></b>						
17.282	D	17,916	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants			
84.007	D	56,110	Federal Supplemental Educational Opportunity Grants			
84.033	D	51,291	Federal Work-Study Program			
84.063	D	4,728,924	Federal Pell Grant Program			
		<u>4,854,241</u>	Total — Randolph Community College			
<b><u>Richmond Community College</u></b>						
47.076	D	72,798	Education and Human Resources			
84.007	D	52,781	Federal Supplemental Educational Opportunity Grants			
84.033	D	70,951	Federal Work-Study Program			
84.063	D	5,249,237	Federal Pell Grant Program			
		<u>5,445,767</u>	Total — Richmond Community College			
<b><u>Roanoke-Chowan Community College</u></b>						
17.258	I	5,550	WIOA Adult Program	N/A	Mid-East Commission	
17.278	I	1,077	WIOA Dislocated Worker Formula Grants	N/A	Mid-East Commission	
84.007	D	25,671	Federal Supplemental Educational Opportunity Grants			
84.033	D	30,651	Federal Work-Study Program			
84.042	D	331,348	TRIO Student Support Services			
84.063	D	1,537,679	Federal Pell Grant Program			
		<u>1,931,976</u>	Total — Roanoke-Chowan Community College			
<b><u>Robeson Community College</u></b>						
16.525	D	6,756	Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault, and Stalking on Campus			
17.282	D	468,200	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants			
47.076	D	47,563	Education and Human Resources			
84.007	D	35,680	Federal Supplemental Educational Opportunity Grants			
84.033	D	39,408	Federal Work-Study Program			
84.063	D	4,257,586	Federal Pell Grant Program			
84.299	I	136,597	Indian Education -- Special Programs for Indian Children	N/A	Lumbee Lan Development, Inc.	
		<u>4,991,790</u>	Total — Robeson Community College			

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<b><u>Rockingham Community College</u></b>						
84.007	D	35,986	Federal Supplemental Educational Opportunity Grants			
84.031	D	382,428	Higher Education Institutional Aid			
84.033	D	36,980	Federal Work-Study Program			
84.042	D	244,740	TRIO Student Support Services			
84.063	D	2,447,465	Federal Pell Grant Program			
		<u>3,147,599</u>	Total — Rockingham Community College			
<b><u>Rowan-Cabarrus Community College</u></b>						
84.007	D	98,417	Federal Supplemental Educational Opportunity Grants			
84.033	D	31,668	Federal Work-Study Program			
84.063	D	9,777,163	Federal Pell Grant Program			
84.268	D	10,054	Federal Direct Student Loans			
		<u>9,917,302</u>	Total — Rowan-Cabarrus Community College			
<b><u>Sampson Community College</u></b>						
84.002	D	238,657	Adult Education - Basic Grants to States			
84.007	D	40,500	Federal Supplemental Educational Opportunity Grants			
84.033	D	28,433	Federal Work-Study Program			
84.048	D	72,587	Career and Technical Education -- Basic Grants to States			
84.063	D	2,681,895	Federal Pell Grant Program			
		<u>3,062,072</u>	Total — Sampson Community College			
<b><u>Sandhills Community College</u></b>						
84.007	D	52,278	Federal Supplemental Educational Opportunity Grants			
84.033	D	87,234	Federal Work-Study Program			
84.063	D	5,724,824	Federal Pell Grant Program			
		<u>5,864,336</u>	Total — Sandhills Community College			
<b><u>South Piedmont Community College</u></b>						
84.007	D	23,950	Federal Supplemental Educational Opportunity Grants			
84.033	D	33,140	Federal Work-Study Program			
84.063	D	2,504,368	Federal Pell Grant Program			
		<u>2,561,458</u>	Total — South Piedmont Community College			
<b><u>Southeastern Community College</u></b>						
17.258	I	161,835	WIOA Adult Program	0-2020-33	Cape Fear COG	
17.259	I	192,155	WIOA Youth Activities	0-2040-33	Cape Fear COG	
17.278	I	143,450	WIOA Dislocated Worker Formula Grants	0-2030-33	Cape Fear COG	
84.007	D	36,162	Federal Supplemental Educational Opportunity Grants			
84.033	D	44,429	Federal Work-Study Program			
84.044	D	392,825	TRIO Talent Search			
84.063	D	2,867,172	Federal Pell Grant Program			
93.364	D	20,850	Nursing Student Loans			
94.002	D	97,283	Retired and Senior Volunteer Program			
		<u>3,956,161</u>	Total — Southeastern Community College			
<b><u>Southwestern Community College</u></b>						
23.002	D	15,480	Appalachian Area Development			
43.008	D	244,337	Education			
84.007	D	57,900	Federal Supplemental Educational Opportunity Grants			
84.033	D	46,103	Federal Work-Study Program			
84.042	D	281,622	TRIO Student Support Services			
84.047	D	251,408	TRIO Upward Bound			
84.063	D	3,795,310	Federal Pell Grant Program			
84.268	D	1,079,555	Federal Direct Student Loans			
		<u>5,771,715</u>	Total — Southwestern Community College			
<b><u>Stanly Community College</u></b>						
84.007	D	53,475	Federal Supplemental Educational Opportunity Grants			

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
84.031	D	501,032	Higher Education Institutional Aid			
84.033	D	46,448	Federal Work-Study Program			
84.063	D	4,440,883	Federal Pell Grant Program			
		<u>5,041,838</u>	Total — Stanly Community College			
<b><u>Surry Community College</u></b>						
84.007	D	40,163	Federal Supplemental Educational Opportunity Grants			
84.033	D	78,103	Federal Work-Study Program			
84.063	D	3,850,183	Federal Pell Grant Program			
		<u>3,968,449</u>	Total — Surry Community College			
<b><u>Tri-County Community College</u></b>						
84.007	D	26,072	Federal Supplemental Educational Opportunity Grants			
84.033	D	27,139	Federal Work-Study Program			
84.063	D	1,631,908	Federal Pell Grant Program			
		<u>1,685,119</u>	Total — Tri-County Community College			
<b><u>Vance-Granville Community College</u></b>						
17.259	I	130,303	WIOA Youth Activities	1117	Kerr-Tar Regional Council of Governments	
17.282	D	12,951	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants			
64.028	D	34,913	Post-9/11 Veterans Educational Assistance			
84.007	D	69,717	Federal Supplemental Educational Opportunity Grants			
84.033	D	77,953	Federal Work-Study Program			
84.063	D	4,276,390	Federal Pell Grant Program			
		<u>4,602,227</u>	Total — Vance-Granville Community College			
<b><u>Wake Technical Community College</u></b>						
17.268	D	558,047	H-1B Job Training Grants			
17.282	D	65,853	Trade Adjustment Assistance Community College and Career Training (TAACCCT) Grants			
45.162	D	40,573	Promotion of the Humanities Teaching and Learning Resources and Curriculum Development			
47.050	D	84,628	Geosciences			
47.076	D	8,338	Education and Human Resources			
47.076	D	148,913	Education and Human Resources			
84.007	D	343,552	Federal Supplemental Educational Opportunity Grants			
84.031	D	371,332	Higher Education Institutional Aid			
84.033	D	127,890	Federal Work-Study Program			
84.063	D	30,455,684	Federal Pell Grant Program			
84.116	D	923,825	Fund for the Improvement of Postsecondary Education			
84.141	D	451,348	Migrant Education High School Equivalency Program			
84.268	D	37,254,611	Federal Direct Student Loans			
		<u>70,834,594</u>	Total — Wake Technical Community College			
<b><u>Wayne Community College</u></b>						
17.258	I	172,729	WIOA Adult Program	17-4020-40-6331-09	Eastern Carolina Workforce Development Board	
17.259	I	83,911	WIOA Youth Activities	17-4040-40-6331-09	Eastern Carolina Workforce Development Board	
17.278	I	125,774	WIOA Dislocated Worker Formula Grants	17-4030-40-6331-09	Eastern Carolina Workforce Development Board	
84.007	D	113,954	Federal Supplemental Educational Opportunity Grants			
84.033	D	114,735	Federal Work-Study Program			
84.063	D	5,267,050	Federal Pell Grant Program			
		<u>5,878,153</u>	Total — Wayne Community College			
<b><u>Western Piedmont Community College</u></b>						
84.007	D	45,134	Federal Supplemental Educational Opportunity Grants			
84.033	D	48,894	Federal Work-Study Program			
84.044	D	299,719	TRIO Talent Search			
84.063	D	3,350,296	Federal Pell Grant Program			
		<u>3,744,043</u>	Total — Western Piedmont Community College			
<b><u>Wilkes Community College</u></b>						
17.258	I	1,048	WIOA Adult Program	16-4020-49-1533	HCCOG	

**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (BY STATE AGENCY)**

For the Fiscal Year Ended June 30, 2018

<b>Federal CFDA Number</b>	<b>Direct/ Indirect</b>	<b>Program Expenditures</b>	<b>CFDA Program Title</b>	<b>Pass -Through Number</b>	<b>Pass -Through Entity Name</b>	<b>Additional Award Information</b>
17.259	I	3,629	WIOA Youth Activities	16-4040-49-1533	HCCOG	
17.277	I	42	WIOA National Dislocated Worker Grants / WIA National Emergency Grants	16-3031-49-1533	HCCOG	
17.277	I	2,709	WIOA National Dislocated Worker Grants / WIA National Emergency Grants	16-3030-49-1533	HCCOG	
17.278	I	409	WIOA Dislocated Worker Formula Grants	16-4031-49-1533	HCCOG	
84.007	D	18,200	Federal Supplemental Educational Opportunity Grants			
84.033	D	59,503	Federal Work-Study Program			
84.042	D	315,096	TRIO Student Support Services			
84.063	D	4,431,550	Federal Pell Grant Program			
84.268	D	791,287	Federal Direct Student Loans			
		<u>5,623,473</u>	Total — Wilkes Community College			
<b><u>Wilson Community College</u></b>						
84.007	D	48,069	Federal Supplemental Educational Opportunity Grants			
84.033	D	34,960	Federal Work-Study Program			
84.042	D	328,000	TRIO Student Support Services			
84.047	D	296,731	TRIO Upward Bound			
84.063	D	2,871,114	Federal Pell Grant Program			
84.268	D	1,958,231	Federal Direct Student Loans			
		<u>5,537,105</u>	Total — Wilson Community College			
		<u>539,727,568</u>	Total — Community Colleges			
<b>Other Component Units:</b>						
<b><u>North Carolina Partnership for Children, Inc</u></b>						
94.019	D	1,089,016	Social Innovation Fund			
		<u>1,089,016</u>	Total — North Carolina Partnership for Children			
<b><u>North Carolina State Ports Authority</u></b>						
97.067	D	113,438	Homeland Security Grant Program			
97.067	D	237,735	Homeland Security Grant Program			
97.067	D	326,750	Homeland Security Grant Program			
		<u>677,923</u>	Total — North Carolina State Ports Authority			
		1,766,939	Total — Other Component Units			
		<u>541,494,507</u>	Total — Component Units			
		<u>\$20,774,351,729</u>	<b>Total Expenditures of Federal Awards</b>			

N/A = Not Available

D = Direct Federal Assistance – Assistance received directly from the federal government or received in a pass-through relationship from other State entities.

I = Indirect Federal Assistance – Assistance received in a pass-through relationship from entities other than the federal government or other State entities.

The accompanying notes are an integral part of this schedule.

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## NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

June 30, 2018

## NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

### A. Basis of Presentation

The accompanying Schedule of Expenditures of Federal Awards is presented in accordance with requirements of Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). The Schedule appears in three formats:

- **Summary** – The summary schedule reports expenditures of federal awards by program or program cluster.
- **Detail** – The detail schedule presents federal programs by federal agency and lists individual programs within program clusters.
- **By State Agency** – The schedule by state agency presents expenditures of federal awards by state agency and by program. In some instances, federal funds have been transferred from one state agency to another to be expended in the same program. When this is the case, the expenditure of federal awards has been reported under the organization which received the funds directly from the Federal Government.

Federal CFDA numbers are from the Catalog of Federal Domestic Assistance published by the Office of Management and Budget and the General Services Administration. Programs without a CFDA number are presented with the federal agency's two-digit prefix followed by U with a two-digit number. If the Federal program is part of the Research and Development (R&D) cluster and the extension is not known, RD is placed in the three-digit extension field.

### B. Reporting Entity

The State of North Carolina financial reporting entity is fully described in Note 1 to the financial statements. The financial reporting entity includes (1) the primary government, (2) organizations for which the primary government is financially accountable, and (3) other organizations for which the nature and significance of their relationship with the primary government are such that exclusion would cause the primary government's financial statements to be misleading or incomplete.

The accompanying Schedule of Expenditures of Federal Awards includes all federal programs administered by the

state financial reporting entity except the programs of the State Education Assistance Authority, North Carolina Housing Finance Agency, and Economic Development Partnership of North Carolina, Inc. These agencies issue separate reports for their programs.

### C. Basis of Accounting

An award is considered expended when the activity related to the award occurs. The activity generally pertains to events requiring compliance with laws, regulations, and the provisions of contract and grant agreements. Specific transaction types have been recognized as follows:

*Direct Costs:* Direct costs have been recognized on the cash basis of accounting, that is, when cash is disbursed rather than when the charge is incurred.

*Indirect costs:* Indirect costs are recovered from the federal government by applying a federally approved indirect cost rate or by allocating these costs among benefiting programs in accordance with a federally approved plan. Each program's share of indirect costs is recognized on the accompanying Schedule of Expenditures of Federal Awards.

The State of North Carolina has elected not to use the 10% de minimus indirect cost rate as allowed under the Uniform Guidance.

*Loan and loan guarantee transactions:*

- Federal Perkins Loan Program - Federal Capital Contributions (CFDA 84.038), Nurse Faculty Loan Program (CFDA 93.264), Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students (CFDA 93.342), Nursing Student Loans (CFDA 93.364) – Expenditures of federal awards in the accompanying Schedule of Expenditures of Federal Awards include the value of new loans made during the year, the balance of loans from previous years with federal continuing compliance requirements, federal capital contributions received during the year, interest subsidy, and administrative cost allowances. Loan balances outstanding at year-end are disclosed in Note 2.
- Federal Direct Student Loans (CFDA 84.268) – These loans are made by outside lenders to students at institutions of higher education within the State reporting entity. The institutions are responsible for certain administrative requirements for new loans. As a result, the value of loans made during the year and administrative cost allowances are recognized as expenditures of federal awards in the accompanying Schedule of Expenditures of Federal Awards.

**NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**

June 30, 2018

The balance of loans for previous years is not included because the lender accounts for the prior balances.

- Capitalization Grants for Clean Water State Revolving Funds (CFDA 66.458) and Capitalization Grants for Drinking Water State Revolving Funds (CFDA 66.468) - The state receives capitalization grants to create and maintain the Clean Water State Revolving Fund (CWSRF) and the Drinking Water State Revolving Fund (DWSRF). Both programs offer long-term low interest rate loans to local cities, towns and municipalities. Capitalization Grants received for the CWSRF for the year ended June 30, 2018 were \$24,162,886 and are included on the schedule. Capitalization Grants received for the DWSRF for the fiscal year ended June 30, 2018 were \$20,705,748 and are also included on the schedule. There are no outstanding loan balances at the end of the audit period.

*Other non-cash assistance:*

The State of North Carolina participated in several federal programs in which non-cash benefits are provided through the state to eligible participants. These include:

- Food Distribution Programs – Food commodities donated to the N.C. Department of Agriculture are reported at the value assigned by the U.S. Department of Agriculture. The Schedule of Expenditures of Federal Awards includes commodity distributions of:

<u>Program</u>	<u>CFDA #</u>	<u>Non-Cash Value</u>
Nation School Lunch Program	10.555	\$49,438,468
Summer Food Service Program for Children	10.559	64,664
Commodity Supplemental Food Program	10.565	1,688,837
Emergency Food Assistance Program (Food Commodities)	10.569	14,882,335

- Supplemental Nutrition Assistance Program (CFDA 10.551) – The State issues food stamp benefits in electronic form. Food stamp benefits are recognized as expenditures when recipients use the benefits.

The non-cash values during the fiscal year are reported as expenditures on the Schedule of Expenditures of Federal Awards. The estimated value during the fiscal year was \$1,907,026,302.

- Immunization Grants (CFDA 93.268) – Vaccines donated to the N. C. Department of Health and Human Services are reported at the value assigned by the U.S Department of Health and Human Services. The amount reported in the Schedule of Expenditures of Federal Awards reflects routine immunizations including seasonal influenza. The value of the vaccines for the fiscal year is \$126,010,181.
- Donation of Federal Surplus Personal Property (CFDA 39.003) – Federal surplus property donated to the N.C. Department of Administration is valued at estimated fair market value at the time of receipt. The non-cash value during the fiscal year is reported as expenditures in the Schedule of Expenditures of Federal Awards. The estimated value during the fiscal year was \$5,887,206.
- Higher Education – Institutional Aid (CFDA 84.031) Funds to be used for endowments and the endowment is federally restricted. The cumulative balance of the federal awards for endowment funds that are restricted are considered awards expended in each year in which the funds are restricted. Institutional Aid during the fiscal year is reported as an expenditure in the Schedule of Expenditures of Federal Awards. The estimated value during the fiscal year was \$12,030,385.

**NOTE 2: FEDERAL LOANS OUTSTANDING**

The State of North Carolina had the following federal loan balances outstanding at year-end:

<u>Program</u>	<u>CFDA #</u>	<u>Amount Outstanding</u>
Federal Perkins Loan Program - Federal Capital Contributions	84.038	\$84,159,888
Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students	93.342	3,999,828
Nursing Student Loans	93.364	408,989
Nurse Faculty Loan Program	93.264	735,349

## NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

June 30, 2018

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### **NOTE 3: UNEMPLOYMENT INSURANCE**

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State unemployment tax revenues and payments in lieu of taxes are combined with federal funds and used to pay benefits under the Unemployment Insurance program (CFDA 17.225). The state and federal portions of the total expenditures reported on the Schedule were \$178,294,467 and \$63,858,730 respectively.

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### **NOTE 4: PASS-THROUGH AWARDS**

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Uniform Guidance defines a *subrecipient* as an entity that expends federal awards that are received from a pass-through entity to carry out a federal program. The total amount provided to subrecipients from each federal program is separately identified in the accompanying Summary and Federal Detail Schedule of Expenditures of Federal Awards.

Note: Certain transactions relating to federal financial assistance may appear in the records of more than one state recipient agency. To avoid duplication and the overstatement of the aggregate level of federal financial assistance expended by the State of North Carolina, when federal financial assistance is received by one state recipient agency and redistributed to another state agency (i.e., a pass-through of funds by the primary recipient state agency to a sub-recipient state agency), the federal financial assistance will be reflected as expenditures by the primary recipient state agency.

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**Summary Schedule of Prior Audit Findings  
For the Year Ended June 30, 2018**

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## State of North Carolina Office of the State Controller

**LINDA COMBS**  
**STATE CONTROLLER**

March 19, 2019

The Honorable Beth A. Wood, State Auditor  
Office of the State Auditor  
2 South Salisbury Street  
20601 Mail Service Center  
Raleigh, North Carolina 27699-0600

Dear Auditor Wood:

We are providing the following summary schedule of prior audit findings in connection with your audit of the major federal programs of the State of North Carolina for the year ended June 30, 2018, in accordance with the Single Audit Act and the audit requirements of Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

In accordance with 2 CFR 200.511(b), a summary schedule, has been prepared to report the status of all findings included in the fiscal year 2017 schedule of findings and questioned costs and the findings reported in the fiscal year 2017 Summary Schedule of Prior Audit Findings that were not corrected in accordance with 2 CFR 200.511(b)(2).

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State Controller

MAILING ADDRESS: 1410 Mail Service Center, Raleigh, North Carolina 27699-1410  
STREET ADDRESS: 3512 Bush Street, Raleigh, North Carolina 27609  
Phone (919) 707-0500 ~ <http://www.osc.nc.gov> ~~ An EEO/AA/AWD Employer

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**For the Fiscal Year Ended June 30, 2018

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<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2015-002	Health and Human Services	<u>Deficiencies in System Access Controls</u>  Full corrective action has been taken.
2015-003	Health and Human Services	<u>Deficiencies in NC FAST Program Change Controls</u>  Full corrective action has been taken.
2015-004	Health and Human Services	<u>Management Decisions Were Not Communicated Timely</u>  Full corrective action has been taken.
2015-005	Health and Human Services	<u>Duplicate Payments Made to SNAP Participants</u>  Full corrective action has been taken.
2015-006	Health and Human Services	<u>Changes Made to Cases Result in Payments Made Outside of Certification Period</u>  Full corrective action has been taken.
2015-007	Health and Human Services	<u>SNAP Eligibility Determinations and Benefit Calculations Not Performed Accurately</u>  Full corrective action has been taken.
2015-008	Health and Human Services	<u>Deficiencies in System Access Controls</u>  Full corrective action has been taken.
2015-009	Health and Human Services	<u>Management Decisions Were Not Communicated Timely</u>  Full corrective action has been taken.
2015-010	Health and Human Services	<u>Monitoring of Child and Adult Care Facilities Had Weaknesses</u>  Full corrective action has been taken.
2015-011	Health and Human Services	<u>Management Decisions Were Not Communicated Timely</u>  Full corrective action has been taken.
2015-012	Public Safety	<u>Lack of Salary and Wage Certifications Increases Risk of Inaccurate Charges to Federal Grants</u>  Full corrective action has been taken.
2015-013	Wildlife Resources Commission	<u>The Commission Did Not Ensure Vendors Were Not Suspended or Debarred</u>  Full corrective action has been taken.



**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**For the Fiscal Year Ended June 30, 2018

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<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2015-014	Wildlife Resources Commission	<u>The Commission Did Not Follow State Procurement Policies</u> Full corrective action has been taken.
2015-015	Wildlife Resources Commission	<u>The Commission Did Not Ensure Vendors Were Not Suspended or Debarred</u> Full corrective action has been taken.
2015-016	Wildlife Resources Commission	<u>The Commission Did Not Follow State Procurement Policies</u> Full corrective action has been taken.
2015-017	Transportation	<u>Highway Quality Potentially At Risk Due to Insufficient Testing</u> Full corrective action has been taken.
2015-022	Environmental Quality	<u>Construction Project Inspections Were Not Monitored by Management to Ensure Public Health Is Protected</u> Full corrective action has been taken.
2015-023	Environmental Quality	<u>Construction Project Inspections Were Not Monitored by Management to Ensure Public Health Is Protected</u> Full corrective action has been taken.
2015-024	Durham Technical Community College	<u>College Disbursed Funds to Ineligible Students</u> Full corrective action has been taken.
2015-025	Durham Technical Community College	<u>Errors in Calculation for Return of Title IV Funds</u> Full corrective action has been taken.
2015-027	Public Instruction	<u>Required Verification of Adjustments to Graduation Rates Was Not Performed</u> Full corrective action has been taken.
2015-029	Durham Technical Community College	<u>College Disbursed Funds to Ineligible Students</u> Full corrective action has been taken.
2015-030	Durham Technical Community College	<u>Errors in Calculation for Return of Title IV Funds</u> Full corrective action has been taken.
2015-033	Public Instruction	<u>Career and Technical Education Grant Submonitoring Visits Were Not Documented</u> Full corrective action has been taken.

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2015-034	Public Instruction	<u>Performance Indicators Were Not Verified</u> Full corrective action has been taken.
2015-038	Durham Technical Community College	<u>College Disbursed Funds to Ineligible Students</u> Full corrective action has been taken.
2015-040	Durham Technical Community College	<u>Errors in Calculation for Return of Title IV Funds</u> Full corrective action has been taken.
2015-050	Durham Technical Community College	<u>College Disbursed Funds to Ineligible Students</u> Full corrective action has been taken.
2015-052	Durham Technical Community College	<u>Errors in Calculation for Return of Title IV Funds</u> Full corrective action has been taken.
2015-057	Public Instruction	<u>Department Failed to Fully Document Subrecipient Monitoring Visits</u> Full corrective action has been taken.
2015-059	Public Instruction	<u>Documentation Did Not Support Salary Payments</u> Full corrective action has been taken.
2015-061	Health and Human Services	<u>Management Decisions Were Not Communicated Timely</u> Full corrective action has been taken.
2015-062	Health and Human Services	<u>Management Decisions Were Not Communicated Timely</u> Full corrective action has been taken.
2015-063	Health and Human Services	<u>Management Decisions Were Not Communicated Timely</u> Full corrective action has been taken.
2015-064	Health and Human Services	<u>Management Decisions Were Not Communicated Timely</u> Full corrective action has been taken.
2015-066	Health and Human Services	<u>Deficiencies in System Access Controls</u> Full corrective action has been taken.
2015-067	Health and Human Services	<u>Deficiencies in County Eligibility Determination Processes</u> Full corrective action has been taken.

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2015-068	Health and Human Services	<p><u>Inaccurate Performance Reports Could Potentially Result in Penalties of Up To \$75 Million</u></p> <p>Partial corrective action has been taken. The Department staff (NC FAST, CSDW and the Division of Social Services {DSS} Performance Management team) meet every two weeks to solidify the programming change requirements.</p> <ul style="list-style-type: none"> <li>• A spreadsheet has been developed to map out each field and the required elements of the ACF-199 Report.</li> <li>• An additional spreadsheet has been developed to identify and track the actual ACF errors to determine the criticality of each error as it relates to the overall participation rates. The DSS staff has been in constant communication with ACF for technical guidance.</li> <li>• Queries used to generate the ACF-199 Report are run bi-monthly to verify the data is correct or if modifications are needed. The DSS staff is providing technical assistance to counties to work through the work participation reports to ensure that the correct information is being entered in the correct fields within NC FAST.</li> </ul> <p>The Department staff will continue coordinating efforts to resolve the issue.</p> <p>The CAP date has been extended to June 30, 2019.</p>
2015-069	Health and Human Services	<p><u>Management Decisions Were Not Communicated Timely</u></p> <p>Full corrective action has been taken.</p>
2015-070	Health and Human Services	<p><u>Management Decisions Were Not Communicated Timely</u></p> <p>Full corrective action has been taken.</p>
2015-071	Information Technology	<p><u>Vulnerability to Unauthorized Changes Detected in a System</u></p> <p>Full corrective action has been taken.</p>
2015-072	Health and Human Services	<p><u>Deficiencies in County Eligibility Determination Processes</u></p> <p>Full corrective action has been taken.</p>
2015-073	Health and Human Services	<p><u>Management Decisions Were Not Communicated Timely</u></p> <p>Full corrective action has been taken.</p>
2015-074	Health and Human Services	<p><u>Management Decisions Were Not Communicated Timely</u></p> <p>Full corrective action has been taken.</p>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2015-075	Health and Human Services	<u>Errors in Children's Health Insurance Provider Billing and Payment Process</u> Full corrective action has been taken.
2015-076	Health and Human Services	<u>Deficiencies in Provider Enrollment and Termination Processes</u> Full corrective action has been taken.
2015-077	Health and Human Services	<u>Deficiencies with the Rate Change Process</u> Full corrective action has been taken.
2015-078	Health and Human Services	<u>Deficiencies in County Eligibility Determination Processes</u> Full corrective action has been taken.
2015-079	Health and Human Services	<u>Deficiencies in System Access Controls</u> Full corrective action has been taken.
2015-080	Health and Human Services	<u>Management Decisions Were Not Communicated Timely</u> Full corrective action has been taken.
2015-081	Health and Human Services	<u>Errors in Medicaid Provider Billing and Payment Process</u> Full corrective action has been taken.
2015-082	Health and Human Services	<u>Deficiencies with the Rate Change Process</u> Full corrective action has been taken.
2015-083	Health and Human Services	<u>Deficiencies in County Eligibility Determination Processes</u> Full corrective action has been taken.
2015-084	Health and Human Services	<u>Deficiencies in System Access Controls</u> Full corrective action has been taken.
2015-085	Health and Human Services	<u>Management Decisions Were Not Communicated Timely</u> Full corrective action has been taken.
2015-086	Health and Human Services	<u>Deficiencies in Provider Enrollment and Termination Processes</u> Full corrective action has been taken.
2015-087	Health and Human Services	<u>Management Did Not Take Full Corrective Action on Prior Recommendations</u> Full corrective action has been taken.

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2015-088	Health and Human Services	<p><u>Benefits Paid to Ineligible Participants</u></p> <p>This audit finding is no longer valid. The Department representatives of the Division of Public Health (DPH), the Privacy and Security Office, NC FAST and Information Technology Division met extensively to identify a system solution which would include all income of an HIV client. The Department determined that no single system exists due to: (a) the timing of when payments are reported in such systems as the Division of Social Services Online Verification (DSS's OLV) and, (b) no system considers an unemployment income formula, which is needed for income eligibility determination. In addition, the development of a multi-stage income verification system was determined to not be cost effective.</p> <p>The program meets all federal standards and requirements to determine eligibility. The Health Resources and Services Administration (HRSA) HIV/AIDS Bureau Division of State HIV/AIDS Programs conducted a Comprehensive Site Visit on May 31 - June 2, 2017 and did not report any findings regarding how the Division of Public Health conducted income verification of potential clients.</p> <p>The Department refined the program application process and eligibility determination. Furthermore, the unit formerly known as Purchase of Medical Care Services (POMCS) is now fully integrated into the HIV/AIDS Program, which has increased efficiencies. The Department will continue to follow its documented processes, outlined by the federal funders, for verifying program eligibility.</p>
2015-089	Health and Human Services	<p><u>Deficiencies in Rate Change Process</u></p> <p>Full corrective action has been taken.</p>
2015-090	Health and Human Services	<p><u>Deficiencies in File Maintenance Request Change Controls</u></p> <p>Full corrective action has been taken.</p>
2015-091	Health and Human Services	<p><u>Deficiencies and Errors in Provider Billing and Payment Process</u></p> <p>Full corrective action has been taken.</p>
2015-092	Health and Human Services	<p><u>Maintenance of Effort Spending Not Supported</u></p> <p>Full corrective action has been taken.</p>
2015-094	Health and Human Services	<p><u>Monitoring Procedures Need Improvement</u></p> <p>Partial corrective action has been taken. The Department Financial Audit Team has updated its Settlement Guidelines Manual and provided staff training through webinars and staff meetings to emphasize the importance of following the required policies and procedures.</p>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<p>The following actions have been accomplished:</p> <ul style="list-style-type: none"> <li>100% of the preparation work for the SFY 2015 and the SFY 2016 Settlement cycle for all Local Management Entities/Managed Care Organizations (LME-MCOs) has been completed. Four LME-MCOs are actively engaged in annual settlement audits.</li> <li>The Settlement Guidelines (the desk manual used by the Financial Audit Team Business Officers to complete settlements) have been updated.</li> <li>Plans of correction will be a part of the annual settlement process no later than the SFY 2016 annual settlements that will have started prior to that date. The only exception is that plans of correction will not be required in those cases where the LME-MCO is no longer in operation at the time of the review.</li> <li>The Financial Audit Team has been fully staffed which has allowed for staff training on settlement while also allowing the Department to complete work.</li> </ul> <p>The anticipated completion date is January 1, 2019.</p>
2015-095	Health and Human Services	<p><u>Management Decisions Were Not Communicated Timely</u></p> <p>Full corrective action has been taken.</p>
2016-001	Health and Human Services	<p><u>Errors in SNAP Notifications, Benefit Calculations, and Eligibility Determinations</u></p> <p>Full corrective action has been taken.</p>
2016-002	Health and Human Services	<p><u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u></p> <p>Full corrective action has been taken.</p>
2016-003	Health and Human Services	<p><u>Counties Were Not Adequately Monitored</u></p> <p>Full corrective action has been taken.</p>
2016-005	Transportation	<p><u>Highway Quality Potentially At Risk Due to Insufficient Testing</u></p> <p>Full corrective action has been taken.</p>
2016-006	Elizabeth City State University	<p><u>University Disbursed Funds to Ineligible Students</u></p> <p>Full corrective action has been taken.</p>
2016-007	Elizabeth City State University	<p><u>Errors in Calculation for Return of Title IV Funds</u></p> <p>Full corrective action has been taken.</p>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2016-008	Mitchell Community College	<u>Untimely Return of Title IV Funds</u> Full corrective action has been taken.
2016-012	Elizabeth City State University	<u>University Disbursed Funds to Ineligible Students</u> Full corrective action has been taken.
2016-014	Asheville-Buncombe Technical Community College	<u>Student Financial Aid Over-Awards</u> Full corrective action has been taken.
2016-016	Central Carolina Community College	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2016-017	Central Carolina Community College	<u>Errors in Calculation for Return of Title IV Funds</u> Full corrective action has been taken.
2016-018	Elizabeth City State University	<u>University Disbursed Funds to Ineligible Students</u> Full corrective action has been taken.
2016-019	Elizabeth City State University	<u>Errors in Calculation for Return of Title IV Funds</u> Full corrective action has been taken.
2016-020	Forsyth Technical Community College	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2016-021	Mitchell Community College	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2016-022	Mitchell Community College	<u>Untimely Return of Title IV Funds</u> Full corrective action has been taken.
2016-023	North Carolina Agricultural and Technical State University	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2016-024	North Carolina State University	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2016-025	Health and Human Services	<u>Errors in Medical Claim Payment Process</u> Full corrective action has been taken.

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2016-026	Health and Human Services	<p><u>Testing of Changes to the Vocational Rehabilitation Eligibility System Unable to be Verified</u></p> <p>Full corrective action has been taken.</p>
2016-027	Health and Human Services	<p><u>Deficiencies in System Access Controls</u></p> <p>Full corrective action has been taken.</p>
2016-028	Health and Human Services	<p><u>\$10.5 Million in Pre-Employment Transition Services Not Spent on Students with Disabilities</u></p> <p>Partial corrective action has been taken. The Division of Vocational Rehabilitation Services and the Division of Services for the Blind continues to make progress providing pre-employment transition services (PETS) for students with disabilities as required by federal regulations. As a result, the Department has completed or will continue to perform the following actions to achieve full compliance with the pre-employment transition services earmarking requirement, but also to provide efficient and effective services to the targeted population.</p> <ul style="list-style-type: none"> <li>• The Department is increasing authorized activities to provide training and other assistance to expand capacity and the network for providers to promote pre-employment transaction services.</li> <li>• The Department staff for the last 18 months received training and technical assistance from federal partner Rehabilitation Services Administration (RSA) on pre-employment transition services and activities. RSA is helping the Department staff understand and implement the federal regulations regarding the PETS services.</li> <li>• To date, the Department has executed 34 contracts encumbering \$6.9 million in federal funds. Since this is a new service, the lead time is longer resulting in encumbered funds not being fully spent. In addition, since July 2017, the Divisions have spent \$3.2 million on contracted PETS as required by federal regulations. Further, the Divisions RFA remains posted as applications to participate continue to be received. The Divisions have expended another \$267,000 towards non-contracted pre-employment transition services.</li> </ul> <p>The Department has and will continue to take advantage of the technical assistance and recommendations from federal partner RSA and, along with other contracted vendors, develop and incorporate a method for tracking case service payments and staff time used for direct provisioning of pre-employment transition services.</p> <p>The anticipated completion date is September 30, 2019.</p>



**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2016-031	Elizabeth City State University	<u>University Disbursed Funds to Ineligible Students</u> Full corrective action has been taken.
2016-032	Elizabeth City State University	<u>Errors in Calculation for Return of Title IV Funds</u> Full corrective action has been taken.
2016-033	Elizabeth City State University	<u>Noncompliance in Administration of Direct Loans</u> Full corrective action has been taken.
2016-034	Elizabeth City State University	<u>Errors in Required Direct Loan Reconciliations</u> Full corrective action has been taken.
2016-035	Forsyth Technical Community College	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2016-036	North Carolina Agricultural and Technical State University	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2016-037	North Carolina State University	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2016-039	Health and Human Services	<u>Deficiencies in County Eligibility Determination Processes</u> Full corrective action has been taken.
2016-040	Health and Human Services	<u>Five-Year Limit Not Monitored for the Temporary Assistance for Needy Families (TANF) Program</u> <p>Partial corrective action has been taken. The Department staff (NC FAST, CSDW and the Division of Social Services {DSS} Performance Management team) scheduled a series of meetings to obtain guidance on the specific calculation needed to run the ACF-199 Report required to monitor the TANF five-year limit.</p> <p>Several requests were made to add new fields in the table to display the five-year time limit. After adding the new fields, the Department staff discovered that this was not the best approach to calculate and appropriately monitor the five-year time limit. Therefore, a change request has been made to have NC FAST program the system to calculate the five-year time limit and transfer the appropriate data from NC FAST to CSDW.</p> <p>At this point in time, the component is still not functional. The Department staff will continue coordinating efforts to determine what else needs to be done to ensure compliance is met. NC FAST will continue to work to program the</p>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
		<p>system to monitor the five-year time limit. After the system is programmed to perform this task, the Department staff will create a query to display information related to both the federal and state five-year time limits.</p> <p>The CAP date has been extended to June 30, 2019.</p>
2016-041	Health and Human Services	<p><u>Inaccurate TANF Data on Families Was Submitted to the Federal Government</u></p> <p>Partial corrective action has been taken. The Department staff (NC FAST, CSDW and the Division of Social Services {DSS} Performance Management team) meet every two weeks to solidify the programming change requirements.</p> <ul style="list-style-type: none"> <li>• A spreadsheet has been developed to map out each field and the required elements of the ACF-199 Report.</li> <li>• An additional spreadsheet has been developed to identify and track the actual ACF errors to determine the criticality of each error as it relates to the overall participation rates. The DSS staff has been in constant communication with ACF for technical guidance.</li> <li>• Queries used to generate the ACF-199 Report are run bi-monthly to verify the data is correct or if modifications are needed. The DSS staff is providing technical assistance to counties to work through the work participation reports to ensure that the correct information is being entered in the correct fields within NC FAST.</li> </ul> <p>The Department staff will continue coordinating efforts to resolve the issue.</p> <p>The CAP date has been extended to June 30, 2019.</p>
2016-042	Health and Human Services	<p><u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u></p> <p>Full corrective action has been taken.</p>
2016-043	Environmental Quality	<p><u>Results from Site Visits Not Communicated Timely</u></p> <p>Full corrective action has been taken.</p>
2016-044	Environmental Quality	<p><u>Deficiency in System Access and Change Controls</u></p> <p>Full corrective action has been taken.</p>
2016-045	Health and Human Services	<p><u>Weatherization Funds Were Overspent</u></p> <p>Full corrective action has been taken.</p>
2016-046	Health and Human Services	<p><u>Inaccurate Household Information Reported to the Federal Government</u></p> <p>Partial corrective action has been taken. The Department staff (NC FAST, CSDW and the Division of Social Services {DSS} Performance Management</p>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
		<p>team has scheduled a series of meetings to obtain the required data for the Household Report.</p> <ul style="list-style-type: none"> <li>As of June 23, 2016, the under-reported data is now extracted from actual tables.</li> <li>On May 17, 2016, the FFY 2015 Household Report was resubmitted using the correct reporting requirements.</li> <li>On March 2, 2017, the FFY 2016 Household Report was submitted using the correct reporting requirements.</li> </ul> <p>The reconciliation of the compiled raw data to the Household Report prior to certifying in the On-Line Data Collection System is pending.</p> <p>The CAP date has been extended to January 30, 2019.</p>
2016-047	Health and Human Services	<p><u>Counties Were Not Adequately Monitored</u></p> <p>Full corrective action has been taken.</p>
2016-048	Health and Human Services	<p><u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u></p> <p>Full corrective action has been taken.</p>
2016-049	Health and Human Services	<p><u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u></p> <p>Full corrective action has been taken.</p>
2016-050	Health and Human Services	<p><u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u></p> <p>Full corrective action has been taken.</p>
2016-051	Health and Human Services	<p><u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u></p> <p>Full corrective action has been taken.</p>
2016-052	Health and Human Services	<p><u>Errors in Children's Health Insurance Provider Billing and Payment Process</u></p> <p>Partial corrective action has been taken. The Department routinely provides education to providers which details compliance requirements for federal, state and local regulatory rules and/or laws. The claim errors cited during the audit were investigated and recoupment efforts for identified overpayments were made as deemed necessary.</p> <p>The Office of Compliance and Program Integrity (OCPI) will continue to:</p> <ul style="list-style-type: none"> <li>Educate the provider community by publishing articles on correct billing practices and coding, at least bi-annually, in the monthly Medicaid Bulletin.</li> </ul>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<ul style="list-style-type: none"> <li>Encourage providers through written communications to perform self-audits, identifying over/under payments, billing issues and coding errors.</li> <li>Monitor provider behavior and compliance through post-payment reviews and self-audits.</li> </ul> <p>In addition, OCPI will issue education letters to the applicable providers emphasizing the need to ensure their compliance and billing efforts align with regulatory requirements, clinical policy and contractual agreements.</p> <p>The anticipated completion date is June 30, 2019.</p>
2016-053	Health and Human Services	<p><u>Deficiencies in County Eligibility Determination Process</u></p> <p>Partial corrective action has been taken. The Office of Compliance and Program Integrity (OCPI) performed the following monitoring efforts to ensure eligibility determinations are accurate and adequate documentation is maintained:</p> <ul style="list-style-type: none"> <li>Beginning June 2018, resumed quarterly Medicaid Eligibility Quality Assurance (MEQA) reviews of county DSS eligibility determinations cases retroactively to October 2017.</li> <li>Performed quarterly MEQA reviews of county DSS eligibility determination cases for the first two quarters of State Fiscal Year (SFY) 2019.</li> <li>Began monthly audits of county eligibility determinations effective January 2019.</li> </ul> <p>The Department will continue to provide on-going Medicaid eligibility training to county DSS staff through the Medicaid Eligibility Support Team cluster meetings and the NC FAST Learning Gateway. The Department will implement a mandatory training and certification program through the NC FAST system for all county Medicaid caseworkers that input data or make eligibility determinations.</p> <p>The following training requirements for the Medicaid DSS caseworkers will be monitored:</p> <ul style="list-style-type: none"> <li>New staff will be trained within 90 days of hire.</li> <li>Existing Medicaid staff will have up to 18 months to complete training.</li> <li>All Medicaid staff are required to be tested after training and receive a passing score of 70% or higher.</li> <li>If staff do not pass the test, access to the NC FAST system will be terminated.</li> </ul>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
		<ul style="list-style-type: none"> <li>Recertifications will be obtained at least every 3 years.</li> </ul> <p>The anticipated completion date is September 30, 2019.</p>
2016-054	Health and Human Services	<p><u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u></p> <p>Full corrective action has been taken.</p>
2016-055	Health and Human Services	<p><u>Errors in Medicaid Provider Billing and Payment Process</u></p> <p>Partial corrective action has been taken. The Department routinely provides education to providers which details compliance requirements for federal, state and local regulatory rules and/or laws. The claim errors cited during the audit were investigated and recoupment efforts for identified overpayments were made as deemed necessary.</p> <p>The Office of Compliance and Program Integrity (OCPI) will continue to:</p> <ul style="list-style-type: none"> <li>Educate the provider community by publishing articles on correct billing practices and coding, at least bi-annually, in the monthly Medicaid Bulletin.</li> <li>Encourage providers through written communications to perform self-audits, identifying over/under payments, billing issues and coding errors.</li> <li>Monitor provider behavior and compliance through post-payment reviews and self-audits.</li> </ul> <p>In addition, OCPI will issue education letters to the applicable providers emphasizing the need to ensure their compliance and billing efforts align with regulatory requirements, clinical policy and contractual agreements.</p> <p>The anticipated completion date is June 30, 2019.</p>
2016-056	Health and Human Services	<p><u>Deficiencies in County Eligibility Determination Process</u></p> <p>Partial corrective action has been taken. The Office of Compliance and Program Integrity (OCPI) performed the following monitoring efforts to ensure eligibility determinations are accurate and adequate documentation is maintained:</p> <ul style="list-style-type: none"> <li>Beginning June 2018, resumed quarterly Medicaid Eligibility Quality Assurance (MEQA) reviews of county DSS eligibility determinations cases retroactively to October 2017.</li> <li>Performed quarterly MEQA reviews of county DSS eligibility determination cases for the first two quarters of State Fiscal Year (SFY) 2019.</li> </ul>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<ul style="list-style-type: none"> <li>Began monthly audits of county eligibility determinations effective January 2019.</li> </ul> <p>The Department will continue to provide on-going Medicaid eligibility training to county DSS staff through the Medicaid Eligibility Support Team cluster meetings and the NC FAST Learning Gateway. The Department will implement a mandatory training and certification program through the NC FAST system for all county Medicaid caseworkers that input data or make eligibility determinations.</p> <p>The following training requirements for the Medicaid DSS caseworkers will be monitored:</p> <ul style="list-style-type: none"> <li>New staff will be trained within 90 days of hire.</li> <li>Existing Medicaid staff will have up to 18 months to complete training.</li> <li>All Medicaid staff are required to be tested after training and receive a passing score of 70% or higher.</li> <li>If staff do not pass the test, access to the NC FAST system will be terminated.</li> <li>Recertifications will be obtained at least every 3 years.</li> </ul> <p>The anticipated completion date is September 30, 2019.</p>
2016-057	Health and Human Services	<p><u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u></p> <p>Full corrective action has been taken.</p>
2016-058	Health and Human Services	<p><u>No Procedures to Identify Undisclosed Income for Recipients of HIV Services</u></p> <p>This audit finding is no longer valid. The Department representatives of the Division of Public Health (DPH), the Privacy and Security Office, NC FAST and Information Technology Division met extensively to identify a system solution which would include all income of an HIV client. The Department determined that no single system exists due to: (a) the timing of when payments are reported in such systems as the Division of Social Services Online Verification (DSS's OLV) and, (b) no system considers an unemployment income formula, which is needed for income eligibility determination. In addition, the development of a multi-stage income verification system was determined to not be cost effective.</p> <p>The program meets all federal standards and requirements to determine eligibility. The Health Resources and Services Administration (HRSA) HIV/AIDS Bureau Division of State HIV/AIDS Programs conducted a Comprehensive Site Visit on May 31 - June 2, 2017 and did not report any findings regarding how the Division of Public Health conducted income verification of potential clients.</p>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
		The Department refined the program application process and eligibility determination. Furthermore, the unit formerly known as Purchase of Medical Care Services (POMCS) is now fully integrated into the HIV/AIDS Program, which has increased efficiencies. The Department will continue to follow its documented processes, outlined by the federal funders, for verifying program eligibility.
2016-059	Health and Human Services	<u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u>  Full corrective action has been taken.
2016-060	Health and Human Services	<u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u>  Full corrective action has been taken.
2016-061	Health and Human Services	<u>Inadequate Subrecipient Monitoring Increased Risk of Wasted Funds</u>  Full corrective action has been taken.
2017-001	Health and Human Services	<u>Errors in SNAP Notifications and Benefit Calculations</u>  Partial corrective action has been taken. The Department has implemented the following: <ul style="list-style-type: none"> <li>• The disaster benefit error EI-16126 was resolved in Release 6.0.0 in November 2016.</li> <li>• Corrections were implemented between August and September 2017 for the three notice errors identified in the finding. Defect EI-18840 was created to resolve the issue and is documented in Release 8.3.0 in March 2018.</li> <li>• The root cause of one notice error was identified. Defect EI-18758 was resolved in Release 9.2.0 in May 2018.</li> <li>• Tasks were created for the notification errors to determine the root cause. <ul style="list-style-type: none"> <li>○ Defect EI-18470 was resolved in Release 8.1.0 in January 2018.</li> <li>○ Defect EI-19337 was resolved in Release 8.1.0 in January 2018.</li> </ul> </li> <li>• One benefit calculation error was resolved in January 2018. EI-16851 was resolved in Release 8.2.0 in February 2018.</li> <li>• Both underpayments associated with this finding have been resolved.</li> </ul>

The Department will perform the following:

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For the Fiscal Year Ended June 30, 2018

Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<ul style="list-style-type: none"> <li>A change request was created to update the DSS-8562 Effect of Change notice. Defect EI-20218 was created to resolve the issue and is currently scheduled for implementation by December 2018.</li> <li>The other benefit calculation error will be reviewed to determine if a change request is needed.</li> <li>Both overpayments will be recouped and processed according to policy.</li> <li>Tasks were created to perform root cause analysis of the household income error and shelter error. However; <ul style="list-style-type: none"> <li>Defect EI-20906 was created for the shelter error and is currently scheduled for implementation by December 2018.</li> <li>Additional discussions are still needed on the income error.</li> </ul> </li> <li>Tasks were created for the remaining notification errors to determine the root cause. However; <ul style="list-style-type: none"> <li>Defect EI-20217 was created and is currently scheduled for implementation by December 2018.</li> <li>CR EI-20595 was created for two notices and is currently scheduled for implementation by December 2018.</li> </ul> </li> </ul> <p>The remaining defects are expected to be completed by December 31, 2018.</p>
2017-002	Transportation	<u>Highway Quality Potentially At Risk Due to Insufficient Testing</u> Full corrective action has been taken.
2017-003	Beaufort County Community College	<u>Errors in Return of Title IV Funds</u> Full corrective action has been taken.
2017-004	Beaufort County Community College	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2017-005	Brunswick Community College	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.
2017-006	Haywood Community College	<u>Enrollment Status Reporting Errors</u> Full corrective action has been taken.



**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

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<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
2017-007	James Sprunt Community College	<p><u>Enrollment Status Reporting Errors</u></p> <p>Full corrective action has been taken.</p>
2017-008	Martin Community College	<p><u>Failure to Timely Report Disbursements to the Federal Government</u></p> <p>Full corrective action has been taken.</p>
2017-009	Martin Community College	<p><u>Errors in Return of Title IV Funds</u></p> <p>Full corrective action has been taken.</p>
2017-010	Martin Community College	<p><u>Enrollment Status Reporting Errors</u></p> <p>Partial corrective action has been taken. As per the institution's corrective action of November 7, 2017, written policies and procedures for NSLDS reporting have been created to ensure accurate and timely reporting of enrollment status changes.</p> <p>As planned action, the Financial Aid Director will verify the accuracy of NSLDS enrollment status changes (submitted to NSLDS via NSC by the Registrar) by comparing NSC submission reports with NSLDS enrollment status reports. NSLDS enrollment status change verifications will occur monthly per the institution's NSC enrollment status change report submission schedule. The individual responsible for NSLDS enrollment status changes verification is the Financial Aid Director.</p>
2017-011	Health and Human Services	<p><u>Errors in Medical Claims Payment Process</u></p> <p>Full corrective action has been taken.</p>
2017-012	Health and Human Services	<p><u>Cost Allocation Errors</u></p> <p>Partial corrective action has been taken. The Cost Analysis Branch Head and the DHHS Controller met with the Division Budget Officers on May 3, 2018 to provide training on the certification statement process, the cost allocation process and cost allocation plan preparation. In addition, the Cost Analysis Branch began to hold individual meetings with Divisions' budget and program staff during State Fiscal Year 2018 to provide focused-based training as deemed necessary.</p> <p>The Cost Analysis Branch continues to perform monthly allocation variance analyses for all divisions as an effort to enhance the review of the calculations used to allocate costs.</p> <p>Division management and budget staff began periodic reviews of their cost center structure and relevant cost allocation plans to ensure that payroll costs are allocated correctly. The Divisions' initial reviews were completed by July 2018.</p>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
		The federal funding for the unallowable payroll costs cited in the finding was returned to the federal entity in January 2018.
2017-013	Environmental Quality	<u>Deficiencies in System Access and Change Controls</u> Full corrective action has been taken.
2017-014	Health and Human Services	<u>Weatherization Funds Were Overspent</u> Full corrective action has been taken.
2017-015	Health and Human Services	<u>Non-Allowed Expenses Paid from Foster Care Funds</u> Full corrective action has been taken.
2017-016	Health and Human Services	<u>Inadequate Subrecipient Monitoring Increases Risk of Wasted Funds</u> Full corrective action has been taken.
2017-017	Health and Human Services	<u>Deficiencies in County Eligibility Determination Processes</u> Full corrective action has been taken.
2017-018	Health and Human Services	<u>Inadequate Subrecipient Monitoring Increases Risk of Wasted Funds</u> Full corrective action has been taken.
2017-019	Health and Human Services	<u>Errors in Children's Health Insurance Fee-for-Service Claims Payment Process</u>  Partial corrective action has been taken. The Department routinely provides education to providers which details compliance requirements for federal, state and local regulatory rules and/or laws. The claim errors cited during the audit were investigated and recoupment efforts for identified overpayments were made as deemed necessary.  The Office of Compliance and Program Integrity (OCPI) will continue to: <ul style="list-style-type: none"> <li>• Educate the provider community by publishing articles on correct billing practices and coding, at least bi-annually, in the monthly Medicaid Bulletin.</li> <li>• Encourage providers through written communications to perform self-audits, identifying over/under payments, billing issues and coding errors.</li> <li>• Monitor provider behavior and compliance through post-payment reviews and self-audits.</li> </ul>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
		<p>In addition, OCPI will issue education letters to the applicable providers emphasizing the need to ensure their compliance and billing efforts align with regulatory requirements, clinical policy and contractual agreements.</p> <p>The anticipated completion date is June 30, 2019.</p>
2017-020	Health and Human Services	<p><u>Errors in Management Fee Payment Process</u></p> <p>Full corrective action has been taken.</p>
2017-021	Health and Human Services	<p><u>Deficiencies in System Access</u></p> <p>Partial corrective action has been taken. The Department is committed to maintaining information security and system access controls. As a result, we have partially implemented corrective actions to address the risks identified by the audit team. These corrective actions have been detailed in a response separately submitted to the State Auditor. Any potential security risks or noncompliance are given the highest priority by the Department and corrective actions will be monitored.</p>
2017-022	Health and Human Services	<p><u>Delayed Remediation of Weaknesses</u></p> <p>Full corrective action has been taken.</p>
2017-023	Health and Human Services	<p><u>Lack of Quality Assurance Reviews Increased Risk of Undetected Payment Errors</u></p> <p>Full corrective action has been taken.</p>
2017-024	Health and Human Services	<p><u>Errors in Medicaid Fee-for-Service Claims Payment Process</u></p> <p>Partial corrective action has been taken. The Department routinely provides education to providers which details compliance requirements for federal, state and local regulatory rules and/or laws. The claim errors cited during the audit were investigated and recoupment efforts for identified over-payments were made as deemed necessary.</p> <p>The Office of Compliance and Program Integrity (OCPI) will continue to:</p> <ul style="list-style-type: none"> <li>• Educate the provider community by publishing articles on correct billing practices and coding, at least bi-annually, in the monthly Medicaid Bulletin.</li> <li>• Encourage providers through written communications to perform self-audits, identifying over/under payments, billing issues and coding errors.</li> <li>• Monitor provider behavior and compliance through post-payment reviews and self-audits.</li> </ul>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**

For the Fiscal Year Ended June 30, 2018

<b>Original Finding Number **</b>	<b>State Department</b>	<b>Current Status of Prior Audit Finding</b>
		<p>In addition, OCPI will issue education letters to the applicable providers emphasizing the need to ensure their compliance and billing efforts align with regulatory requirements, clinical policy and contractual agreements.</p> <p>The anticipated completion date is June 30, 2019.</p>
2017-025	Health and Human Services	<p><u>Errors in Management Fee Payment Process</u></p> <p>Full corrective action has been taken.</p>
2017-026	Health and Human Services	<p><u>Inadequate Reviews Resulted in Overpayments to Hospitals</u></p> <p>Full corrective action has been taken.</p>
2017-027	Health and Human Services	<p><u>Deficiencies in System Access</u></p> <p>Partial corrective action has been taken. The Department is committed to maintaining information security and system access controls. As a result, we have partially implemented corrective actions to address the risks identified by the audit team. These corrective actions have been detailed in a response separately submitted to the State Auditor. Any potential security risks or noncompliance are given the highest priority by the Department and corrective actions will be monitored.</p>
2017-028	Health and Human Services	<p><u>Delayed Remediation of Weaknesses</u></p> <p>Full corrective action has been taken.</p>
2017-029	Health and Human Services	<p><u>Lack of Quality Assurance Reviews Increased Risk of Undetected Payment Errors</u></p> <p>Full corrective action has been taken.</p>
2017-030	Health and Human Services	<p><u>Deficiencies in County Eligibility Determination Processes</u></p> <p>Partial corrective action has been taken. The Office of Compliance and Program Integrity (OCPI) performed the following monitoring efforts to ensure eligibility determinations are accurate and adequate documentation is maintained:</p> <ul style="list-style-type: none"> <li>Beginning June 2018, resumed quarterly Medicaid Eligibility Quality Assurance (MEQA) reviews of county DSS eligibility determinations cases retroactively to October 2017.</li> <li>Performed quarterly MEQA reviews of county DSS eligibility determination cases for the first two quarters of State Fiscal Year (SFY) 2019.</li> <li>Began monthly audits of county eligibility determinations effective January 2019.</li> </ul>

**SUMMARY SCHEDULE OF PRIOR AUDIT FINDINGS**For the Fiscal Year Ended June 30, 2018

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Original Finding Number **	State Department	Current Status of Prior Audit Finding
		<p>The Department will continue to provide on-going Medicaid eligibility training to county DSS staff through the Medicaid Eligibility Support Team cluster meetings and the NC FAST Learning Gateway. The Department will implement a mandatory training and certification program through the NC FAST system for all county Medicaid caseworkers that input data or make eligibility determinations.</p> <p>The following training requirements for the Medicaid DSS caseworkers will be monitored:</p> <ul style="list-style-type: none"><li>• New staff will be trained within 90 days of hire.</li><li>• Existing Medicaid staff will have up to 18 months to complete training.</li><li>• All Medicaid staff are required to be tested after training and receive a passing score of 70% or higher.</li><li>• If staff do not pass the test, access to the NC FAST system will be terminated.</li><li>• Recertifications will be obtained at least every 3 years.</li></ul> <p>The anticipated completion date is September 30, 2019.</p>
2017-031	Public Safety	<p><u>Incorrect Payments Made to National Guard Soldiers for Disaster Services</u></p> <p>Full corrective action has been taken.</p>

\*\* The first four digits denote the June 30 fiscal year-end in which the finding initially occurred.

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**Corrective Action Plan  
For the Year Ended June 30, 2018**

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## State of North Carolina Office of the State Controller

**LINDA COMBS**  
**STATE CONTROLLER**

March 19, 2019

The Honorable Beth A. Wood, State Auditor  
Office of the State Auditor  
2 South Salisbury Street  
20601 Mail Service Center  
Raleigh, North Carolina 27699-0600

Dear Auditor Wood:

We are providing the following corrective action plans for findings identified in connection with your audit of the major federal programs of the State of North Carolina for the year ended June 30, 2018, in accordance with the Single Audit Act and the audit requirements of Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance).

In accordance with 2 CFR 200.511(c), a corrective action plan, separate from the previously provided management's written response, has been prepared for each audit finding. The corrective action plan includes the corrective actions planned, the anticipated completion date, and the contact information for the person responsible for implementing the corrective action.

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State Controller

MAILING ADDRESS: 1410 Mail Service Center, Raleigh, North Carolina 27699-1410  
STREET ADDRESS: 3512 Bush Street, Raleigh, North Carolina 27609  
Phone (919) 707-0500 ~ <http://www.osc.nc.gov> ~~ An EEO/AA/AWD Employer

**CORRECTIVE ACTION PLAN**

For the Fiscal Year Ended June 30, 2018

<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
2018-001	Public Instruction Leigh Ann Kerr (919) 807-3553	<u>Inadequate Subrecipient Monitoring</u>  The Division of School Business has revised its internal procedure for audit resolution and tracking tools to include consideration of nonprofit organizations and the Federal Audit Clearinghouse report receipt date.  <i>Anticipated Completion Date:</i> September 30, 2018.
2018-002	Public Instruction Leigh Ann Kerr (919) 807-3553	<u>Inadequate Subrecipient Monitoring</u>  See 2018-001 for Corrective Action Plan.
2018-003	Public Instruction Leigh Ann Kerr (919) 807-3553	<u>Inadequate Subrecipient Monitoring</u>  See 2018-001 for Corrective Action Plan.
2018-004	Public Instruction Leigh Ann Kerr (919) 807-3553	<u>Inadequate Subrecipient Monitoring</u>  See 2018-001 for Corrective Action Plan.
2018-005	Environmental Quality Kim Colson (919) 707-9177	<u>Inadequate Subrecipient Monitoring</u>  The Department has taken corrective actions and is working closer with the Department of Commerce to obtain federal award information in a timely manner. Commerce is the primary recipient of the CDBG grant from the U.S. Department of Housing and Urban Development. The Federal Award Identification Number (FAIN), Federal Award Date, CFDA Number and Name, Identification of whether the award is research and development and Indirect Cost Rate for the federal award will be included in the contracts to our subrecipients as required by 2 CFR 200.331(a)(1). The Department has revised the audit report review procedures to review audit reports in a timely manner and to communicate expected corrective actions to subrecipients. Management decision letters, will be issued within six months from the date the audit report was accepted by the Federal Audit Clearinghouse, when subrecipients have audit findings on audit reports. This will comply with 2 CFR 200.521(d).  <i>Anticipated Completion Date:</i> December 31, 2018.
2018-006	Public Safety/ NC Governor's Crime Commission Caroline Valand (919) 733-4564	<u>Governor's Crime Commission Did Not Adequately Monitor Subrecipients</u>  The NC Governor 's Crime Commission (GCC) agrees with the audit finding that the Commission did not adequately monitor its subrecipients.  As part of this finding, the auditors identified that the Commission did not

**CORRECTIVE ACTION PLAN**For the Fiscal Year Ended June 30, 2018

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<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
		<p>monitor the activities of its subrecipients as necessary to ensure that the subaward was used for authorized purposes, in compliance with federal statutes, regulations, and the terms and conditions of the award.</p> <p>The Commission is committed to administering federal grant awards, including those funds awarded via the Victims of Crime Act, in compliance with all applicable state and federal guidance. To address the audit findings, the Commission will take the following actions:</p> <ul style="list-style-type: none"><li>• Commission management will improve its training program to ensure that responsible staff receive proper training on monitoring requirements.</li><li>• Commission management will develop and implement policies and procedures to ensure that subrecipients are adequately monitored.</li></ul> <p><i>Anticipated Completion Date:</i> The Commission has already begun to implement these corrective actions and will complete implementation by the beginning of the 2019 federal grant cycle (October 1, 2019).</p>
2018-007	Transportation  Bobby Walston Aviation Director  (919) 814-0573	<p><u>Federal Financial Reports Incomplete</u></p> <p>The Division immediately acted to address the deficiency. The Division obtained instructions for completing the SF-425 and the preparer received training. The role of reviewer was reassigned to a manager with experience for completing and submitting the form. Before submitting the final version of its FFY18 SF-425, the Division emailed a draft of the form to its FAA Program Manager and requested that it be reviewed for accuracy and completeness. The Program Manager verified that the form was filled out correctly. The Division finalized its SF-425 and submitted it to the FAA, retaining the form and instructions for future reference.</p> <p><i>Corrective action was completed on:</i> October 1, 2018.</p>
2018-008	Transportation  Bobby Walston Aviation Director  (919) 814-0573	<p><u>No Monitoring of \$20.5 Million in Airport Revenue</u></p> <p>The Division immediately acted to address the deficiency through statewide training and improved communications with airport auditors, sponsors and finance staff. The Division developed airport revenue use training as part of the North Carolina Airport Technical Assistance Program (NCAirTAP) and conducted this training for Division staff managing grants as well as for airport sponsors at three regional meetings of the North Carolina Airports Association between August 17, 2018 and September 7, 2018. The Aviation Division is also implementing compliance monitoring to address the deficiency. In July 2018, the Division started developing a risk-based subrecipient compliance monitoring plan. The plan is under development. It will assign a risk level to each airport sponsor and appropriately test for compliance with airport revenue use and other grant requirements. This</p>

**CORRECTIVE ACTION PLAN**

For the Fiscal Year Ended June 30, 2018

<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
		<p>compliance monitoring plan will provide a comprehensive method for the Division to regularly review airport procedures and controls, act to address deficiencies, promote the use of best practices, and ensure that subject revenue generated by the airport is only used for allowable purposes.</p> <p><i>Anticipated Completion Date:</i> June 30, 2019.</p>
2018-009	Transportation  Aviation Director Bobby Walston (919) 814-0573	<p><u>Inadequate Monitoring of Subrecipients</u></p> <p>The Aviation Division will ensure that advanced funds are disbursed by the recipient within three business days of payment and that appropriate follow-up action is taken by the Division if a recipient is not in compliance. The Division will update its online claim form so sponsors must indicate whether the claim is a request for reimbursement or advanced funds. If the advanced funds option is selected, the sponsor will be required to certify that it needs advanced funds for an approved project expense. The sponsor's certification statement will explain that advanced funds must be disbursed within three business days of the advance. The disbursement will be verified on the next payment verification by the Division. If the Division determines that a sponsor did not disburse the advance funds within three business days after certifying that it had, the sponsor will receive a letter of non-compliance. If the sponsor continues to be in non-compliance, the Division could require immediate repayment of the advance funding. This will be factored into the risk level assessment and may affect future funding. The Division is developing this process in close communication with staff and airport sponsors.</p> <p><i>Corrective action was completed on:</i> December 31, 2018.</p>
2018-010	Transportation  Tim Little Chief Engineer (919) 707-2500	<p><u>Expenditures Incurred Prior to Project Authorization</u></p> <p>The Federal Funds manager contacted the two units that approved invoices for payment and informed them of the error. NCDOT reimbursed the Federal Highway Administration (FHWA) for the two projects in which expenditures occurred prior to the authorization date. The first reimbursement of \$20,373 was given to FHWA on November 16, 2018 and the second reimbursement of \$1,404 was provided on January 4, 2019. The Federal Funds manager sent a memo on January 7, 2019 to remind invoice approvers to check for expenditure dates and attended the Division of Highways Operations meeting to discuss period of performance on January 8, 2019.</p> <p><i>Corrective action was completed on:</i> January 8, 2019.</p>

**CORRECTIVE ACTION PLAN**For the Fiscal Year Ended June 30, 2018

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<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
2018-011	Transportation Lamar Sylvester State Construction Engineer (919) 707-2400	<p><u>Review Procedures Failed to Ensure Contractor Compliance with Federal Pay Rates</u></p> <p>A review of project records revealed several times when the contractor failed to provide the requested documentation. Since the audit findings were released, two of the nine payrolls have been provided and the Department will correct the remaining payrolls by March 1, 2019, except for those records that may have expired because they were old. This includes two of the nine payrolls that were completed prior to the end of 2012, which was also prior to previous findings and implementation of a corrective action plan.</p> <p>The corrective action plan for this audit will include the following:</p> <p>The audit findings will be addressed with NCDOT contract administration staff at regional workshops before April 30, 2019. In addition, for the offices where audit findings occurred, the specific findings will be reviewed with the contract administrator and the office staff responsible for reviewing Davis-Bacon payroll data by January 31, 2019. Procedures will be updated to provide clarity on review of the project diaries and completion of the FAP-1 and providing instructions on alternative corrective actions to be taken to ensure receipt of payrolls.</p> <p><i>Anticipated Completion Date:</i> April 30, 2019.</p>
2018-012	Randolph Community College Joel Trogon (336) 625-5614	<p><u>Untimely Return of Title IV Funds</u></p> <p>Randolph Community College agrees with the finding and recommendation to implement procedures to ensure that instructors report withdrawals in a timely manner so funds are returned on a timely basis in accordance with federal compliance requirements.</p> <p>In order to ensure the timely return of unearned funds no later than 45 days from the determination of a student's withdrawal, the Director of Financial Aid and Veterans Affairs has:</p> <ul style="list-style-type: none"><li>• Increased professional development opportunities for faculty and staff regarding the Return to Title IV process and requirements.</li><li>• Started sending reports to the Vice President for Student Services on a regular basis of withdrawals that are reported by faculty more than 14 days past the last date of attendance. The Vice President for Student Services reviews this information and then communicates with the Vice President for Instructional Services to address any issues that would result in calculations not being completed in a timely manner. While there were no findings for errors in the calculations, missed calculations, or funds not being returned, the College is committed to correcting this timeframe issue.</li></ul>

**CORRECTIVE ACTION PLAN**For the Fiscal Year Ended June 30, 2018

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<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
		<p>Corrective actions are currently being implemented with an estimated date for completion of December 31, 2018, which will allow for the full implementation of these actions during the transition of semesters.</p> <p><i>Anticipated Completion Date:</i> December 31, 2018.</p>
2018-013	UNC - Pembroke Jenelle Handcox (910) 521-6366	<p><u>Errors in Return of Title IV Funds</u></p> <p>We agree with the auditor's comments and the following actions have been taken to correct the deficiencies. The student services specialist responsible for the Return to Title IV calculations received additional training in the processing of the calculations on October 2, 2018. As additional training opportunities from state and/or regional associations become available, UNCP financial aid staff will be required to attend the training. Further, guidance has been received from the U.S. Department of Education regarding adjusting our calculations due to University closure during Hurricane Florence so that the calculations can be performed accurately for Fall Semester 2018. In addition, the importance of performing the calculations in a timely manner has been reiterated to the responsible party. The responsibility of performing these calculations will be moved to the Assistant Director of Financial Aid position, which is currently vacant. We anticipate that the Assistant Director position will be filled no later than February 2019. Once hired, the Assistant Director will be charged with moving the return to Title IV calculations from our current manual process to the process that exists with our student information system, Banner within six months of his/her hire date. In order to ensure that Return to Title IV calculations are being performed accurately and timely, the Associate Director of Financial Aid will conduct a review of approximately 5% of the calculations performed each semester. This review will be conducted near the end of each term to ascertain any training or compliance deficiencies so that they can be addressed promptly and appropriately.</p> <p><i>Anticipated Completion Date:</i> December 21, 2018.</p>
2018-014	Winston-Salem State University Frank Lord (336) 750-2733	<p><u>The University Did Not Consistently Verify Whether Vendors Were Suspended or Debarred</u></p> <p>We concur with this finding. Sponsored Programs (Academic Affairs) was initially charged with the responsibility of vetting federal grant vendors against the Excluded Parties List System maintained by the General Services Administration. The University is transferring this responsibility to Purchasing Services (Finance and Administration).</p> <p>To resolve this finding, the University will be changing several processes:</p> <ul style="list-style-type: none"><li>• All contracts before completion and execution will be routed to Purchasing so that the prospective vendor can be vetted.</li></ul>

**CORRECTIVE ACTION PLAN**

For the Fiscal Year Ended June 30, 2018

<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
		<ul style="list-style-type: none"> <li>• Purchasing will vet all federal grant purchase orders and payment requests before execution.</li> <li>• Before federal grant payments are released, a final vetting of those vendors will take place.</li> <li>• All policies and procedures will be documented.</li> </ul> <p><i>Anticipated Completion Date:</i> November 1, 2018.</p>
2018-015	Carteret Community College  Tammy Coble (252) 222-6081	<p><u>Enrollment Status Reporting Errors</u></p> <p>Carteret Community College agrees with the finding and recommendation that the College needs to monitor the student enrollment data reported to NSLDS for accuracy and timeliness.</p> <p>Based on this finding, the College is strengthening its current procedure to provide a timely review of the enrollment status changes reported.</p> <ul style="list-style-type: none"> <li>• The Registrar's Office will produce a copy of the report sent to the National Student Clearinghouse (NSC).</li> <li>• This report will be reconciled by the Registrar's Office with information provided by the Financial Aid Office that NSLDS received the enrollment changes and the student information was updated.</li> <li>• These reconciliations will be maintained on file in the Registrar's Office for review.</li> </ul> <p><i>Corrective action was completed on:</i> November 5, 2018.</p>
2018-016	North Carolina Central University  Dr. Jerome Goodwin Registrar  (919) 530-6739	<p><u>Enrollment Status Reporting Errors</u></p> <p>The University concurs with the audit finding and recognizes the importance in strengthening controls pertaining to enrollment status reporting errors.</p> <p>To resolve incorrect student data electronically uploaded from the online Admissions application to the official University Banner system, if the Social Security Number or the date of birth is incorrect and the recipient receives financial aid, the Office of Scholarships and Student Aid will update the SSN or DOB using the results of the Department of Education database match prior to processing financial aid.</p> <p>Furthermore, for additional internal controls, students not receiving financial aid and are identified on the Data Discrepancies Report with an incorrect SSN or DOB, a student must provide official documentation to the Registrar's Office confirming the correct social security number (SSN) or the correct date of birth (DOB). The social security card is required to update the social security number and a driver's license, birth certificate, and a state or federal ID is required to complete the date of birth update.</p>

**CORRECTIVE ACTION PLAN**For the Fiscal Year Ended June 30, 2018

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<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
		<p>Once confirmed, the SSN or DOB will be updated in the Banner Student System by the Office of the Registrar.</p> <p>Once the Registrar's Office is notified of the students who had corrective actions taken on their SSN or DOB from the Office of Scholarship and Student Aid, these students will be monitored closely with their enrollment to the National Student Clearinghouse (NSC) and the National Student Loan Data System (NSLDS).</p> <p>To address the student's not listed on the Student Status Confirmation Report (SSCR) the Registrar's Office will continue to improve the monitoring process of reporting students to the National Student Clearinghouse (NSC) and the National Student Loan Data System (NSLDS) to ensure correctness and accuracy of enrollment data. The following steps will be taken:</p> <ul style="list-style-type: none"><li>• A hold will be placed on each student with incorrect SSN or DOB to prevent registration until proof is received of correct SSN or DOB.</li><li>• Submit the enrollment file to the NSC every two weeks.</li><li>• Reconcile the entire NSC enrollment data file with the NSLDS enrollment data base on a monthly basis.</li><li>• Communicate with NSLDS directly to inquire about any students that were not certified for the current cycle.</li><li>• Report directly all student withdrawals online to the NSLDS.</li></ul> <p><i>Anticipated Completion Date:</i> December 2018.</p>
2018-017	Randolph Community College  Hillary Pritchard  (336) 633-0122	<p><u>Enrollment Status Reporting Errors</u></p> <p>Randolph Community College agrees with the finding and recommendation to review error reports received from the Clearinghouse to ensure all errors are cleared as appropriate. College management will establish monitoring procedures to ensure changes to the parameters in Colleague are made appropriately and timely to ensure all students subject to reporting requirements are properly identified.</p> <p>To resolve the first error noted, the Director of Admissions, Records and Registration (Registrar) is now correcting errors generated by the National Student Loan Data System (NSLDS) that are then reported through Clearinghouse. To resolve the other two errors noted, the Director of Admissions, Records and Registration (Registrar) is now updating statuses for adjustments that occur after the batch enrollment reporting has been completed at the end of each term, on a case-by-case basis, when needed.</p> <p>Corrective actions are currently being implemented with an estimated date</p>



**CORRECTIVE ACTION PLAN**

For the Fiscal Year Ended June 30, 2018

<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
		for completion of December 31, 2018, which will allow for the full implementation of these actions during the transition of semesters.  <i>Anticipated Completion Date:</i> December 31, 2018.
2018-018	Randolph Community College Joel Trogon (336) 625-5614	<u>Untimely Return of Title IV Funds</u>  See 2018-012 for Corrective Action Plan.
2018-019	UNC – Pembroke Jenelle Handcox (910) 521-6366	<u>Errors in Return of Title IV Funds</u>  See 2018-013 for Corrective Action Plan.
2018-020	North Carolina Central University Dr. Jerome Goodwin Registrar (919) 530-6739	<u>Enrollment Status Reporting Errors</u>  See 2018-016 for Corrective Action Plan.
2018-021	UNC – Pembroke Jenelle Handcox (910) 521-6366	<u>Errors in Return of Title IV Funds</u>  See 2018-013 for Corrective Action Plan.
2018-022	Public Instruction Lydia Prude (919) 218-6416  Meera Phaltankar (919) 807-3741	<u>Fund Used for Activities Performed Outside the Award Period</u>  The Division of School Business will develop internal procedures for reallocation of federal grant funds designed to ensure funds are not reallocated between subrecipients after the period of performance. The Division of Financial Services will develop and communicate internal procedures designed to ensure that only obligations made within the award period are paid through grant funds. The Division of Financial Services also has plans to hire for a Grant Accountant position during the current fiscal year to assist with tracking and monitoring of grant related spending.  <i>Anticipated Completion Date:</i> March 31, 2019.
2018-023	Health and Human Services Betsy Moore (919) 527-6316	<u>Inaccurate Household Information Reported to Federal Government</u>  The Division is creating a comprehensive requirements document that details the procedures used to complete the Low Income Home Energy Assistance Program (LIHEAP) Federal Report. This document will include the federal

**CORRECTIVE ACTION PLAN**For the Fiscal Year Ended June 30, 2018

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<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
		<p>requirements for each data element and will detail the procedures used by the Performance Management staff to obtain the correct data.</p> <p>The Division is also developing written procedures for validating, submitting and certifying the report. The process will include the following:</p> <ul style="list-style-type: none"><li>• The Performance Management Business Analyst will pull data from NC FAST and obtain data from the Department of Environmental Quality (DEQ) to complete the report.</li><li>• The Performance Management Team Manager will validate the report to ensure procedures included in the requirements document were followed and that the data is accurate.</li><li>• Both parties will sign the report and send to the Economic and Family Services Deputy Director for approval.</li><li>• The Energy Policy Consultant will enter the approved data in the federal Administration for Children and Families (ACF) Online Data Collection (OLDC) web portal.</li><li>• The Energy Program Manager will review the accuracy of the data in OLDC and certify the report, which is the official electronic submission to ACF.</li></ul> <p><i>Anticipated Completion Date:</i> January 30, 2019.</p>
2018-024	Health and Human Services  Heather Laffler (919) 527-6516	<p><u>Federal Award Information Was Not Included in Subaward</u></p> <p>On November 15, 2018, all contracts with subrecipients receiving federal funds included all the required federal award information as identified in 2 CFR 200.331.</p> <p>On December 5, 2018, the Division's Contract staff began providing Grants Administration Training on the requirements listed in 2 CFR 200.331. Staff responsible for managing the grant will receive on-going training to ensure that all the required federal award information is included in all contracts with their subrecipients.</p> <p>Effective January 1, 2019, subrecipients of federal funds will receive a "Notice of Grant Award" through electronic mail detailing the required Federal Award Information.</p> <p><i>Anticipated Completion Date:</i> January 1, 2019.</p>
2018-025	Health and Human Services  John Thompson (919) 814-0123	<p><u>Errors in Medicaid Provider Billing and Payment Process</u></p> <p>The Office of Compliance and Program Integrity (OCPI) will continue to:</p>

**CORRECTIVE ACTION PLAN**

For the Fiscal Year Ended June 30, 2018

<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
		<ul style="list-style-type: none"> <li>• Educate the provider community by publishing articles on correct billing practices and coding, at least bi-annually, in the monthly Medicaid Bulletin.</li> <li>• Encourage providers through written communications to perform self-audits, identifying over/under payments, billing issues and coding errors.</li> <li>• Monitor provider behavior and compliance through post-payment reviews and self-audits.</li> </ul> <p>In addition, OCPI will:</p> <ul style="list-style-type: none"> <li>• Review the cited claim errors to determine which errors may be resolved by obtaining additional documentation from the providers.</li> <li>• Recoup identified overpayments from providers as appropriate and necessary.</li> <li>• Issue education letters to the providers identified in the errors noted emphasizing the need to ensure their compliance and billing efforts align with regulatory requirements, clinical policy and contractual agreements.</li> </ul> <p><i>Anticipated Completion Date:</i> June 30, 2019.</p>
2018-026	Health and Human Services Ivy Jones (919) 855-4194	<p><u>Lack of Quality Assurance Reviews Increased Risk of Undetected Payment Errors</u></p> <p>The Department will select a random sample of claims from the Truven Data Warehouse to be evaluated for accuracy to ensure that the Vendor is following direct prior approval (PA) policy guidelines. General Dynamics Information Technology (GDIT) will continue to report the Joint Management Operations status report via the Truven tool to the State Contract Administrator quarterly.</p> <p>The Department will designate and make available a Clinical Policy Contract Administrator to monitor GDIT PA's performance measures. The State's Contract Administrator will be responsible for reviewing the vendor's Joint Management reports quarterly, monitor performance measures, and evaluate continuous improvement and cost saving ideas based on the PA quarterly sample review.</p> <p><i>Anticipated Completion Date:</i> July 1, 2019.</p>
	Patrick Piggott (919) 814-0143	<p>The Department enhanced the sampling methodology documentation and provided training to appropriate staff on November 3, 2017 to ensure adequate coverage for sampling needs.</p>

**CORRECTIVE ACTION PLAN**For the Fiscal Year Ended June 30, 2018

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<b>Finding Number</b>	<b>Department/ Contact Person/ Phone Number</b>	<b>Corrective Action Planned</b>
		<p>The Department will enhance the Local Management Entity/Managed Care Organizations (LME/MCO) quality assurance review procedures to ensure executed sample sizes meet the 20% threshold as noted in the Department's quality assurance review guidelines. The Investigations Managers will collaborate with the Data Analytics Manager to ensure populations are properly identified and executed sample sizes meet guidelines.</p> <p>The enhanced procedures for LME/MCO quality assurance reviews will be implemented on or before March 31, 2019.</p> <p><i>Anticipated Completion Date:</i> March 31, 2019.</p>
2018-027	Health and Human Services  Rajeev Kotrannavar (919) 855-3004  Pyreddy Reddy (919) 855-3090	<p><u>Inadequate Monitoring of Third Party Contractor</u></p> <p>The Department is committed to maintaining adequate information security and system access controls. The Department has designed and/or implemented corrective actions to address the risks identified in this audit. These corrective actions have been detailed in a response separately submitted to the State Auditor. Security risks are given the highest priority by the Department and corrective actions will be monitored.</p> <p><i>Anticipated Completion Date:</i> June 30, 2019.</p>
2018-028	Health and Human Services  Betty Dumas Beasley (919) 527-7739	<p><u>Deficiencies in Eligibility Determination Process</u></p> <p>The Office of Compliance and Program Integrity (OCPI) performed the following monitoring efforts to ensure eligibility determinations are accurate and adequate documentation is maintained:</p> <ul style="list-style-type: none"><li>• Beginning June 2018, resumed quarterly Medicaid Eligibility Quality Assurance (MEQA) reviews of county DSS eligibility determination cases retroactive to October 2017.</li><li>• Performed quarterly MEQA reviews of county DSS eligibility determination cases for the first two quarters of State Fiscal Year (SFY) 2019.</li><li>• Began monthly audits of county eligibility determinations effective January 2019.</li></ul>
	Carolyn McClanahan (919) 813-5342	<p>The Department will continue to provide on-going Medicaid eligibility training to county DSS staff through the Medicaid Eligibility Support Team cluster meetings and the NC FAST Learning Gateway. The Department will implement a mandatory training and certification program through the NC FAST system for all county Medicaid caseworkers that input data or make eligibility determinations.</p>

**CORRECTIVE ACTION PLAN**

For the Fiscal Year Ended June 30, 2018

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Finding Number	Department/ Contact Person/ Phone Number	Corrective Action Planned
		<p>The following training requirements for the Medicaid DSS caseworkers will be monitored:</p> <ul style="list-style-type: none"><li>• New staff will be trained within 90 days of hire.</li><li>• Existing Medicaid staff will have up to 18 months to complete training.</li><li>• All Medicaid staff are required to be tested after training and receive a passing score of 70% or higher.</li><li>• If staff do not pass the test, access to the NC FAST system will be terminated.</li><li>• Recertifications will be obtained at least every 3 years.</li></ul>

*Anticipated Completion Date:* September 30, 2019.

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## ORDERING INFORMATION

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### COPIES OF THIS REPORT MAY BE OBTAINED BY CONTACTING:

Office of the State Auditor  
State of North Carolina  
2 South Salisbury Street  
20601 Mail Service Center  
Raleigh, North Carolina 27699-0600

Telephone: 919-807-7500  
Facsimile: 919-807-7647  
Internet: <http://www.ncauditor.net>

To report alleged incidents of fraud, waste or abuse in state government contact the  
Office of the State Auditor Fraud Hotline: **1-800-730-8477**  
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For additional information contact:  
Brad Young  
Director of External Affairs  
**919-807-7513**



The planning and compilation of the statewide federal compliance procedures for the Single Audit Report required 1233 audit hours at an approximate cost of \$126,999.

The hours and related costs of audits at individual state entities to support the independent auditor's reports contained herein are included in audit reports issued for those entities.