

State of Georgia

Single Audit Report

For the Year Ended June 30, 2019



Georgia Department of Audits and Accounts



DEPARTMENT OF AUDITS AND ACCOUNTS

270 Washington Street, S.W., Suite 1-156

Atlanta, Georgia 30334-8400

GREG S. GRIFFIN
STATE AUDITOR
(404) 656-2174

February 28, 2020

The Honorable Brian P. Kemp
Governor of Georgia
and
Members of the General Assembly
Citizens of the State of Georgia

We are honored to present the State of Georgia Single Audit Report for the year ended June 30, 2019. The single audit satisfies 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). All of the information required for the single audit is included in this report except for the State's financial statements and our report thereon, which are included in the State of Georgia Comprehensive Annual Financial Report. The Single Audit Report contains our:

- Report on Internal Control Over Financial Reporting and Compliance;
- Report on Compliance for Each Major Federal Program;
- Report on Internal Control Over Compliance;
- Report on Schedule of Expenditures of Federal Awards (SEFA); and
- Schedule of Findings and Questioned Costs.

The report also contains the statewide SEFA, Summary Schedule of Prior Audit Findings, Corrective Action Plan for Current Year Findings, and Listing of Organizational Units Comprising the State of Georgia Reporting Entity.

We would like to express our appreciation to all those involved in the preparation and completion of this report. We believe the results of this statewide audit provide valuable information to the State's decision makers and others interested in the activities of the State of Georgia.

Respectfully submitted,

Greg S. Griffin
State Auditor



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

Independent Auditor's Report

The Honorable Brian P. Kemp, Governor of Georgia
and
Members of the General Assembly of the State of Georgia

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 Georgia (State) as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the State's basic financial statements, and have issued our report thereon dated December 30, 2019.

Our report includes a reference to other auditors who audited the financial statements of the State entities listed below, as described in our report on the State's basic financial statements.

AU Health System, Inc.	Georgia Student Finance Authority
Augusta University Foundation, Inc. and Subsidiaries	Georgia Tech Athletic Association
Augusta University Research Institute, Inc.	Georgia Tech Facilities, Inc.
Employees' Retirement System of Georgia	Georgia Tech Foundation, Inc.
Georgia Advanced Technology Ventures, Inc. and Subsidiaries	Georgia Tech Research Corporation
Georgia College & State University Foundation, Inc. and Subsidiaries	Kennesaw State University Foundation, Inc.
Georgia Gwinnett College Foundation, Inc.	Medical College of Georgia Foundation, Inc.
Georgia Health Sciences Foundation, Inc.	Middle Georgia State University Real Estate Foundation, Inc. and Subsidiaries
Georgia Higher Education Facilities Authority	Teachers Retirement System of Georgia
Georgia Housing and Finance Authority	University of Georgia Foundation
Georgia Lottery Corporation	University of Georgia Athletic Association, Inc.
Georgia Ports Authority	University of Georgia Research Foundation, Inc. and Subsidiaries
Georgia Southern University Housing Foundation, Inc. and Subsidiaries	University of North Georgia Real Estate Foundation, Inc. and Subsidiaries
Georgia State Financing and Investment Commission	UWG Real Estate Foundation, Inc.
Georgia State University Athletic Association, Inc.	University System of Georgia Foundation, Inc. and Affiliates
Georgia State University Foundation, Inc.	VSU Auxiliary Services Real Estate Foundation, Inc.
Georgia State University Research Foundation, Inc.	

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. The financial statements of the State entities listed below were not audited in accordance with *Government Auditing Standards*, and accordingly, this report does not include reporting on internal control over financial reporting or instances of reportable noncompliance associated with those entities.

Georgia Advanced Technology Ventures, Inc.
and Subsidiaries
Georgia College & State University Foundation,
Inc. and Subsidiaries
Georgia Gwinnett College Foundation, Inc.
Georgia Health Sciences Foundation, Inc.
Georgia Lottery Corporation
Georgia Southern University Housing
Foundation, Inc. and Subsidiaries
Georgia State University Foundation, Inc.
Georgia Tech Athletic Association
Georgia Tech Facilities, Inc.

Georgia Tech Foundation, Inc.
Georgia State University Athletic Association, Inc.
Kennesaw State University Foundation, Inc.
Medical College of Georgia Foundation, Inc.
Middle Georgia State University Real Estate
Foundation, Inc. and Subsidiaries
University of Georgia Foundation
University of Georgia Athletic Association, Inc.
University of North Georgia Real Estate Foundation,
Inc. and Subsidiaries
UWG Real Estate Foundation, Inc.
VSU Auxiliary Services Real Estate Foundation, Inc.

This report includes our consideration of the results of other auditors' testing of internal control over financial reporting and compliance and other matters that are reported on separately by those other auditors. However, this report, insofar as it relates to the results of the other auditors, is based solely on the reports of the other auditors.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the State's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the 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 and therefore, material weaknesses or significant deficiencies may exist that have not been identified. Given these limitations, during our audit we and the other auditors did not identify any deficiencies in internal control that we consider to be material weaknesses. We did identify certain deficiencies in internal control, described in the accompanying *Schedule of Findings and Questioned Costs* in findings 2019-001, 2019-002, 2019-003, 2019-004, 2019-005, 2019-006, 2019-007, 2019-008, 2019-009, and 2019-010 that we consider to be significant deficiencies.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the State's basic financial statements are free from material misstatement, we and other auditors 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 instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards* and which are described in the accompanying *Schedule of Findings and Questioned Costs* in findings 2019-002, 2019-003, 2019-004, 2019-005, 2019-006, 2019-007, 2019-008, 2019-009, and 2019-010.

State's Responses to Findings

The State's responses to the findings identified in our audit consist of views of responsible officials and corrective action plans. The views of responsible officials are described in the accompanying *Schedule of Findings and Questioned Costs*, and the corrective action plans are described in the accompanying *Corrective Action Plan for Current Year Findings*. The State's responses were not subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on them.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the State'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's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Respectfully submitted,



Greg S. Griffin
State Auditor

December 30, 2019





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GREG S. GRIFFIN
STATE AUDITOR
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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 the Uniform Guidance

Independent Auditor's Report

The Honorable Brian P. Kemp, Governor of Georgia
and
Members of the General Assembly of the State of Georgia

Report on Compliance for Each Major Federal Program

We have audited the State of Georgia's (State'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's major federal programs for the year ended June 30, 2019. The State's major federal programs are identified in the summary of auditor's results section of the accompanying *Schedule of Findings and Questioned Costs*.

Management's Responsibility

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

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the State's major federal programs based on our audit of the types of compliance requirements referred to above.

As stated in our report on the basic financial statements, we did not audit the financial statements of the State entities listed below nor did we audit compliance for the major federal programs or percentages of these federal programs at the State entities identified in the table on the following page.

AU Health System, Inc.
Augusta University Foundation, Inc. and Subsidiaries
Augusta University Research Institute, Inc.
Employees' Retirement System of Georgia
Georgia Advanced Technology Ventures, Inc.
and Subsidiaries
Georgia College & State University Foundation,
Inc. and Subsidiaries
Georgia Gwinnett College Foundation, Inc.
Georgia Health Sciences Foundation, Inc.

Georgia Student Finance Authority
Georgia Tech Athletic Association
Georgia Tech Facilities, Inc.
Georgia Tech Foundation, Inc.
Georgia Tech Research Corporation
Kennesaw State University Foundation, Inc.
Medical College of Georgia Foundation, Inc.
Middle Georgia State University Real Estate
Foundation, Inc. and Subsidiaries
Teachers Retirement System of Georgia

Georgia Higher Education Facilities Authority	University of Georgia Foundation
Georgia Housing and Finance Authority	University of Georgia Athletic Association, Inc.
Georgia Lottery Corporation	University of Georgia Research Foundation, Inc. and Subsidiaries
Georgia Ports Authority	
Georgia Southern University Housing Foundation, Inc. and Subsidiaries	University of North Georgia Real Estate Foundation, Inc. and Subsidiaries
Georgia State Financing and Investment Commission	UWG Real Estate Foundation, Inc.
Georgia State University Athletic Association, Inc.	University System of Georgia Foundation, Inc. and Affiliates
Georgia State University Foundation, Inc.	
Georgia State University Research Foundation, Inc.	VSU Auxiliary Services Real Estate Foundation, Inc.

The financial statements of the above mentioned State entities and the compliance for the federal programs/clusters identified in the table below were audited by other auditors whose reports, including reports on compliance and internal control over compliance, have been furnished to us. This report includes our consideration of the results of the other auditors' testing of compliance and internal control over compliance that are reported on separately by those other auditors. However, this report, insofar as it relates to the results of the other auditors, is based solely on the reports of the other auditors.

State Entity	CFDA Number(s)	Program or Cluster Title	% of Program or Cluster Audited by Other Auditors
University System of Georgia Foundation, Inc. and Affiliates	10.766, 10.780	Community Facilities Loans and Grants Cluster	100%
Department of Community Affairs	14.871, 14.879	Housing Voucher Cluster	100%
Georgia Ports Authority	20.934	Nationally Significant Freight and Highway Projects	100%
Georgia Environmental Finance Authority	66.458, 66.482	Clean Water State Revolving Fund Cluster	100%
	66.468, 66.483	Drinking Water State Revolving Fund Cluster	100%
The federal award expenditures audited by Other Auditors comprise one percent of the State's total expenditures of federal awards.			

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's compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

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

Opinion on Each Major Federal Program

In our opinion, based on our audit and the reports of other auditors, the State complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs identified in the summary of auditor's results section of the accompanying *Schedule of Findings and Questioned Costs* for the year ended June 30, 2019.

Other Matters

The results of our auditing procedures disclosed 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* in findings 2019-011, 2019-012, 2019-013, 2019-014, 2019-015, 2019-016, 2019-017, 2019-018, 2019-019, 2019-020, 2019-021, 2019-022, 2019-023, 2019-027, 2019-029, 2019-030, and 2019-031. Our opinion on each major federal program is not modified with respect to these matters.

The State's responses to the noncompliance findings identified in our audit consist of views of responsible officials and corrective action plans. The views of responsible officials are described in the accompanying *Schedule of Findings and Questioned Costs*, and the corrective action plans are described in the accompanying *Corrective Action Plan for Current Year Findings*. The State'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 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'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's internal control over compliance.

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

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

in the accompanying *Schedule of Findings and Questioned Costs* in findings 2019-021, 2019-022, 2019-023, 2019-024, 2019-025, 2019-026, 2019-027, and 2019-028 that we consider to be significant deficiencies.

The State's responses to the internal control over compliance findings identified in our audit consist of views of responsible officials and corrective action plans. The views of responsible officials are described in the accompanying *Schedule of Findings and Questioned Costs*, and the corrective action plans are described in the accompanying *Corrective Action Plan for Current Year Findings*. The State'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 as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the State's basic financial statements. We have issued our report thereon dated December 30, 2019, which contained unmodified opinions on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the State's 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 by us and other auditors in the audit of the basic 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, based on our audit, the procedures performed as described above, and the reports of the other auditors, the *Schedule of Expenditures of Federal Awards* is fairly stated in all material respects in relation to the basic financial statements as a whole.

Respectfully submitted,



Greg S. Griffin
State Auditor

February 28, 2020

Schedule of Findings and Questioned Costs

The *Schedule of Findings and Questioned Costs* (Schedule) was prepared in accordance with 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 contains the following sections:

Section I - Summary of Auditor's Results

A summary of the results of our audit and a list of the State's major federal programs are presented in this section of the Schedule.

Section II - Financial Statement Findings

This section presents findings related to the financial statements, including any material weaknesses or significant deficiencies in internal control over financial reporting and noncompliance and other matters that are required to be reported in accordance with *Government Auditing Standards*. Financial statement findings are organized by State entity (entity number).

Section III - Federal Award Findings and Questioned Costs

This section presents federal award findings and questioned costs. Findings are reported for material weaknesses or significant deficiencies in internal control over compliance and material noncompliance with the compliance requirements that have a direct and material effect on each of the State's major federal programs and other findings and questioned costs that are required to be reported pursuant to Title 2 CFR 200.516(a). Federal award findings are organized by federal agency, State entity (entity number), federal program, and compliance requirement.



SUMMARY OF AUDITOR’S RESULTS

Financial Statements

Type of auditor’s report issued: Governmental Activities; Business-Type Activities; Aggregate Discretely Presented Component Units; Each Major Fund; and Aggregate Remaining Fund Information	Unmodified
Internal control over financial reporting: Significant Deficiencies identified?	Yes
Significant Deficiencies evaluated as Material Weaknesses?	No
Noncompliance material to financial statements noted?	No

Federal Awards

Internal control over major programs: Significant Deficiencies identified?	Yes
Significant Deficiencies evaluated as Material Weaknesses?	No
Type of auditor’s report issued on compliance for major programs: All major programs	Unmodified
Any audit findings disclosed that are required to be reported in accordance with Title 2 CFR 200.516(a)?	Yes
Dollar threshold used to distinguish between Type A and Type B programs:	\$31,714,054
Auditee Qualified as low-risk auditee?	No
Identification of Major Programs: The table on the following page lists the major programs in order by CFDA number. For each cluster, the first CFDA number in the cluster designates its placement within the table.	

Schedule of Findings and Questioned Costs
Section I – Summary of Auditor’s Results
For the Fiscal Year Ended June 30, 2019

State of Georgia

Major Programs

Federal Agency	Program or Cluster Title	CFDA No.
U.S. Department of Agriculture	WIC Special Supplemental Nutrition Program for Women, Infants, and Children	10.557
	Community Facilities Loans and Grants Cluster	10.766, 10.780
U.S. Department of Housing and Urban Development	Housing Voucher Cluster	14.871, 14.879
Department of the Interior	Fish and Wildlife Cluster	15.605, 15.611, 15.626
U.S. Department of Labor	Unemployment Insurance	17.225
	Workforce Innovation and Opportunity Act Cluster	17.258, 17.259, 17.278
U.S. Department of Transportation	Nationally Significant Freight and Highway Projects	20.934
U.S. Environmental Protection Agency	Clean Water State Revolving Fund Cluster	66.458, 66.482
	Drinking Water State Revolving Fund Cluster	66.468, 66.483
U.S. Department of Education	Special Education Cluster (IDEA)	84.027, 84.173
	Rehabilitation Services Vocational Rehabilitation Grants to States	84.126
	English Language Acquisition State Grants	84.365
	Supporting Effective Instruction State Grants (formerly Improving Teacher Quality State Grants)	84.367
U.S. Department of Health and Human Services	Promoting Safe and Stable Families	93.556
	Community Services Block Grant	93.569
	CCDF Cluster	93.575, 93.596
	Adoption Assistance	93.659
	Medicaid Cluster	93.775, 93.777, 93.778
	HIV Care Formula Grants	93.917
U.S. Social Security Administration	Disability Insurance/SSI Cluster	96.001, 96.006

**FINANCIAL STATEMENT FINDINGS REPORTED UNDER
GOVERNMENT AUDITING STANDARDS**

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	2019-003 Improve Financial Reporting Controls	
419	Department of Community Health.....	B-13
	2019-004 Continue to Improve Internal Controls over Claim Processing	
	2019-005 Continue to Strengthen Financial Reporting Controls	
	2019-006 Continue to Strengthen Application Risk Management Program	
427	Department of Human Services	B-18
	2019-007 Strengthen Logical Access Controls	
	2019-008 Strengthen Logical Access Controls	
474	Department of Revenue	B-22
	2019-009 Strengthen Logical Access Controls	
922	Georgia World Congress Center Authority	B-24
	2019-010 Continue to Strengthen Logical Access Controls	

¹The entity number represents the control number that was assigned to each State entity.

STATEWIDE FINDINGS

2019-001 Continue to Improve Financial Statement Preparation

Internal Control Impact: Significant Deficiency
Compliance Impact: None
Repeat of Prior Year Finding: 2018-001, 2017-001, 2016-001, 2015-041, 2014-054

The State Accounting Office (SAO) should continue to improve controls over financial statement preparation to ensure the accuracy of the State’s basic financial statements, including the note disclosures and required supplementary information.

Background Information:

As part of our fiscal year 2019 audit, we followed up on SAO’s efforts to implement its corrective action plans for the prior year findings. We noted ongoing efforts are being made by SAO to improve controls over financial reporting. The SAO continues to provide training on financial accounting and reporting to all internal staff and guidance to all State organizations through training and working group sessions, the issuance of accounting policies and procedures, and detailed instructions for financial reporting forms. The SAO also continues to update the disclosure checklist and reporting forms for new accounting standards.

However, the utilization of year-end financial reporting forms to gather information needed to prepare the State’s financial statements, combined with other sources of information, and the extent of modification necessary to such information, results in a financial reporting process that continues to be highly complex and manual in nature, and therefore, susceptible to errors.

Criteria:

The SAO is responsible for maintaining a system of controls over the preparation of the State’s financial statements in accordance with generally accepted accounting principles (GAAP). The design and operation of SAO’s controls should allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements of the financial statements in a timely manner as well as facilitate the timely preparation of complete and accurate financial statements.

Condition:

Our audit of the State’s basic financial statements, including the note disclosures, revealed errors that were not detected by SAO’s review processes. The more significant items found were as follows:

- Benefits expense totaling \$68 million for the Higher Education opinion unit was misclassified and should have been classified as personnel services. An audit adjustment was proposed and accepted to correct the overstatement of benefit expenses and understatement of personnel services.
- Non-Current Assets - Restricted Investments totaling \$154 million for the aggregate discretely presented component units was misclassified and should have been classified as Current Assets - Restricted Investments. In addition, Non-Current Assets - Restricted Cash/Cash Equivalents totaling \$74 million for the aggregate discretely presented component units was misclassified and should have been classified as Current - Restricted Cash/Cash Equivalents. An audit adjustment was proposed and accepted to correct these misclassifications.
- Note 3 to the Financial Statements – Government-wide Adjustments reported for Other Noncurrent Assets and Liabilities were understated by \$248 million. In addition, Government-wide Adjustments reported for Long-Term Liabilities Related to Debt were overstated by \$263 million.

- Note 7 to the Financial Statements – General Fund Other Receivables totaling \$1.9 billion was misclassified and should have been classified as Intergovernmental Receivable. An audit adjustment was proposed and accepted to correct this misclassification.

Cause:

For some of the conditions noted above, SAO did not ensure all the manual reclassifications were performed accurately and timely. For the Note 7 condition, noted above, SAO did not perform a control it had designed to catch the type of misclassification that had occurred. There continues to be a need for SAO to standardize its manual preparation process.

Effect:

Weaknesses in the review processes increase the likelihood of untimely detection and correction of errors in the financial statements.

Recommendation:

The SAO should strengthen its financial statement preparation processes by focusing on implementing detective controls for areas that are highly manual in nature and more susceptible to the risk of a material misstatement. In addition, SAO should continue its efforts to ensure all its designed controls are followed to timely detect and correct reporting errors.

Views of Responsible Officials:

We concur with the finding.

STATEWIDE FINDINGS *(continued)*

2019-002 Strengthen Logical Access Controls

Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance

Strengthen TeamWorks Financials Logical Access Controls.

Background Information:

The State Accounting Office (SAO) and the majority of state agencies rely extensively on the statewide TeamWorks Financials information system to process financial transactions and provide accurate financial reporting. Controls over the system are essential for the reliability and integrity of the State's financial data and to protect financial information from manipulation, corruption, or loss.

The SAO is responsible for the effective operation of TeamWorks Financials and related control activities, including segregation of duties.

Criteria:

The SAO is responsible for maintaining an effective information system, which includes information technology (IT) general controls that ensure logical access is assigned based on job roles and responsibilities along with enforcing segregation of incompatible duties. It also includes policies and procedures, which are important in establishing processes for managing and monitoring user access, changes made to user access roles, and defining segregation of duties rules that govern the assignment of access rights to specific roles.

Pursuant to the *Official Code of Georgia Annotated (OCGA) §50-25-4(a)(20)*, the Georgia Technology Authority (GTA) is to establish technology security policies, standards, and services to be used by all agencies. The SAO is responsible for adhering to the technology security policies and standards which include:

- Access Control Policy (PS-08-009) - Access to State information assets is to be controlled and monitored to protect from unauthorized access and disclosure.
- Authorization and Access Management Standard (SS-08-010) - Requires periodic reviews of access control lists and logs to validate the appropriateness of user accounts and use of access privileges. Access control measures are critical to ensuring users only have access to the information for which they are authorized and need to perform their official duties.
- Separation of Production and Development Environments (SS-08-031) - Production systems require a stable and controlled environment to operate properly. Separating development and test activities from and restricting developer access to operational environments reduces the risks of inadvertent or unauthorized modifications to the operational system that could compromise the system's integrity or availability.

Condition:

Our review of TeamWorks Financials IT general controls revealed the following deficiencies in logical access:

- We reviewed the 15 users who had access to promote system changes to the production environment. We found the access was inappropriate for five users based on their job roles and responsibilities. This inappropriate access is due to additional access provided to these users for a TeamWorks Financials upgrade not being removed after the upgrade was implemented.
- We found 111 users, within two agencies, had a misconfigured role that allowed them to have inappropriate access to the workflow administrator functionality within the system. This functionality gave the users the ability to change the workflow configurations for agencies other than their own, despite not having the business need. We also noted that SAO did not perform reviews of access privileges assigned to roles within the system to determine whether the roles were correctly configured to provide proper segregation of duties.
- We found three users who had inappropriate access to view and change all state agencies data, limited by the privileges associated to their roles, that were not commensurate with their job responsibilities.

In addition, our review disclosed certain general security settings for the databases supporting the system could be strengthened to reduce the risk of potential exploitation based on known security vulnerabilities.

The deficiencies in logical access represent noncompliance with the GTA technology security policies and standards. In addition, SAO did not follow its change management policies and procedures designed to restrict access to the operational environment.

When the logical access user deficiencies were brought to SAO's attention, they removed the inappropriate access from the users and role. Additionally, SAO provided evidence showing no inappropriate activity or changes to TeamWorks Financials had occurred during the audit period.

The details related to these deficiencies have been provided to SAO management and shall not be considered a public record in accordance with OCGA §50-6-9(b).

Cause:

The SAO's user access review process did not operate effectively to flag all inappropriate user access for removal. The user access review process also does not include any procedures for reviewing the access privileges assigned to roles within the system.

The SAO did not change certain default general security settings to address known security vulnerabilities for the databases supporting the system.

Effect:

There is an increased risk of unauthorized access to TeamWorks Financials data and possible manipulation or loss of data.

Recommendation:

The SAO should adhere to its established policies and procedures and strengthen its logical access controls by:

- Incorporating additional oversight and training of staff responsible for the user access review process to ensure timely detection and correction of inappropriate access;
- Ensuring proper segregation of duties is maintained in the change management production environment;
- Developing a matrix that establishes appropriate segregation of duties for roles assigned to TeamWorks Financials users and privileges within the roles;
- Establishing procedures for reviewing users access and privileges assigned to application roles to determine whether proper segregation of duties exist and are enforced within the TeamWorks Financials information system;
- Correcting the configuration of the role that allowed access to the workflow administrator functionality within the system; and
- Configuring the general security settings for the databases supporting the system to reduce the risk of unauthorized access and inappropriate activity.

Views of Responsible Officials:

We concur with the finding.

STATE ENTITY: DEPARTMENT OF PUBLIC HEALTH

2019-003 Improve Financial Reporting Controls

Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance
Repeat of Prior Year Finding: 2018-003

The Department of Public Health (DPH) needs to strengthen controls over its financial reporting processes.

Background Information:

As part of our fiscal year 2019 audit, we followed up on DPH's efforts to implement corrective action plans in response to the prior year finding in which we reported that DPH did not have adequate controls over its financial reporting processes. Due to high turnover of management and staff, DPH was not able to address the deficiency in controls during the year.

Criteria:

State organizations are required to provide information to the State Accounting Office (SAO) to permit the proper accounting and reporting of financial information in the State's *Comprehensive Annual Financial Report (CAFR)* and *Schedule of Expenditures of Federal Awards (SEFA)*.

The DPH management is responsible for establishing and maintaining a system of internal controls designed to provide reasonable assurance of accurate financial reporting and compliance with applicable statutes and regulations. Effective internal controls over financial reporting should include policies and procedures to ensure the accuracy of statements, reports, and other information that are required to be submitted to SAO and compliance with statewide rules, regulations, policies and procedures as required by *Title 50, Chapter 5B, Article 1 of the Official Code of Georgia Annotated (OCGA) §50-5B-4*. An effective system of internal controls should also include adequately trained personnel with the knowledge, skills and experience to ensure the accuracy of financial reporting and compliance with applicable statutes and regulations.

Condition:

The DPH's controls over its financial reporting processes did not prevent or detect errors in its accounting records and year-end financial submissions to SAO. Our audit procedures disclosed the following significant errors that were corrected by agency post-closing adjustments:

- Clearing account balance of \$21.8 million, which should equal zero at year-end;
- Understatement of federal revenue and expenditures by \$81.8 million and \$44.3 million, respectively.

The DPH submitted 67 post-closing adjustments (PCAs), containing 4,671 lines of data, to adjust its account balances and to correct book errors. The number of PCAs is more than triple the number submitted in the prior year.

In addition, an adjustment was proposed and approved by management to correct DPH's SEFA submission for the omission of \$51.5 million from the *Amount Provided to Subrecipients* for a federal program.

We also noted DPH continues to carryforward an unreconciled difference from the prior year in the Operating Bank Account reconciliation of \$27.4 million.

Cause:

The DPH experienced high turnover of personnel during the end of the fiscal year, which directly impacted the operation of its controls over financial reporting and year-end close processes. In addition, DPH did not perform an adequate pre-closing review to analyze its accounting records and to make accounting corrections and other adjustments prior to the fiscal year close.

Effect:

Prior to DPH's adjustments, DPH's financial information submitted to SAO contained significant errors which resulted in numerous adjusting entries. Ineffective controls over financial reporting increases the risk of misstatements in the State's financial statements, including the disclosures to the financial statements as reflected in the CAFR and SEFA. The need for numerous adjusting entries after year-end close also affects the timeliness of statewide reporting by SAO.

Recommendation:

The DPH should improve controls over its financial reporting processes by incorporating additional oversight, conducting thorough reviews of financial information, including monthly reconciliations of federal revenue and expenditures, and providing training to staff that will aid in the prevention or timely detection and correction of errors in its accounting records.

In addition, DPH should improve its pre-closing review processes by incorporating procedures to address any balances in general clearing accounts. We also recommend that DPH commit resources to research and resolve the old outstanding unreconciled differences on the June 30th operating bank reconciliation and identify related adjusting entries.

Strong internal controls over financial reporting should diminish the need for numerous PCAs to correct accounting records at year-end and help ensure DPH's financial submissions are correct and accurately represent its operations to meet the State's financial reporting needs.

Views of Responsible Officials:

We concur with the finding.

STATE ENTITY: DEPARTMENT OF COMMUNITY HEALTH

2019-004 Continue to Improve Internal Controls Over Claim Processing

Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance
Repeat of Prior Year Finding: 2018-004

The Department of Community Health (DCH) should continue to improve internal controls over claims processing for the State Health Benefit Plan.

Background Information:

The State Health Benefit Plan (Plan) is made up of various health plans, most of which are self-funded. A self-funded health benefit plan is a plan in which the employer is taking on the risk and responsibility of paying all of its covered health claims, rather than paying an insurance company to accept the risk. The benefit of self-funded plans is that there could be lower costs. While processing large volumes of transactions, the risk of overpayment is significantly increased if there is a lack of monitoring of claims payments.

The Plan hires third-party administrators (TPAs) to process claims payments. Annually, the TPAs perform edit checks of their system to ensure the claims are being processed accurately; this information is passed along to the Plan for review. Additionally, the Plan is responsible for ensuring complementary user entity controls are placed in operation and working effectively to mitigate the risk of material misstatement.

While TPAs process payments and ensure accuracy of their software through the use of edits, it is the responsibility of the Plan, especially since they are self-funded, to ensure the claims are processed accurately for eligible members of the Plan during the time of service according to the agreed upon rates. The claims payments for fiscal year 2019 total approximately \$2.9 billion, of which \$795 million related to pharmacy claims.

As part of our fiscal year 2019 audit, we followed up on DCH's efforts to implement corrective action plans in response to the prior year finding in which we reported that DCH did not have adequate controls in place over claims processing. Although DCH has not fully implemented all of its corrective action plans, ongoing efforts are being made. We noted DCH has begun a three-year claims audit for medical claims payments including a review of eligibility.

Criteria:

The DCH management is responsible for establishing and maintaining a system of internal controls designed to reduce the risk of material misstatement related to benefit claims being processed accurately based on established rates for eligible members during the service period, and to ensure the rebates associated, if any, are in line with established rates. Furthermore, DCH is required to comply with the rules, regulations, policies, and procedures prescribed by the State Accounting Office, pursuant to Title 50, Chapter 5B of the *Official Code of Georgia Annotated (OCGA)* §50-5B-4, including the statewide Internal Control Guidance. The guidance identifies requirements for performing risk assessments and implementing controls designed to address risks which are critical to establishing and maintaining an effective system of internal controls.

Condition:

The DCH does not have adequate internal controls over pharmacy benefit claims that are processed by TPAs to ensure the claims payments are accurate based on established rates, for eligible employees during the service period, and where applicable, that the agreed upon rebates are provided.

Cause:

The DCH management did not have adequate policies and procedures in place to monitor the accuracy and eligibility of pharmacy claims.

Effect:

Without effective controls over claims processing, the Plan is at risk for overpaying healthcare claims and cannot ensure compliance with OCGA §50-5B-4. The deficiencies in internal control could prevent the Plan from identifying and collecting a potentially significant amount of overpayments.

Recommendation:

The DCH should continue to improve controls over claims processing by establishing policies and procedures for monitoring pharmacy claims to ensure overpaid claims are identified, claims are for eligible employees during the service period and being processed timely, and that all rebates have been processed according to established contractual rates.

Views of Responsible Officials:

Although the Department of Community Health (“DCH”) officially concurs with the finding, it would like to provide the following clarifications. First, the Department of Audits and Accounts (“DOAA”) notes that this is a follow up of the previous year’s finding (FS-419-18-01). The previous year’s finding was based on an assessment that DCH lacked adequate controls over claims payments as processed by Third Party Administrators (“TPA”), and where applicable, the proper rebates were provided. However, pharmacy claims were referenced for the first time in the current finding. Additionally, although DOAA’s auditors use the term TPA in both findings, and reference “pharmacy claims that are processed by TPAs” in this year’s finding, the Plan’s TPAs administer medical benefit claims, while the Pharmacy Benefits Manager (“PBM”) administers pharmacy claims.

Second, it should be noted that each PBM undergoes a pre-implementation audit prior to their go-live date. This involves testing their claims processing system. Additionally, SHBP performs a sampling of test claims for any annual benefit change before it is implemented.

STATE ENTITY: DEPARTMENT OF COMMUNITY HEALTH (*continued*)

2019-005 Continue to Strengthen Financial Reporting Controls

Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance
Repeat of Prior Year Finding: 2018-005

The Department of Community Health (DCH) should continue to strengthen controls over financial reporting to ensure the accuracy of the information it prepares for the State’s financial statements and note disclosures.

Background Information:

As part of our fiscal year 2019 audit, we followed up on DCH’s efforts to implement corrective action plans in response to the prior year finding in which we reported that DCH did not have adequate controls over financial reporting. Although DCH has not fully implemented all of its corrective action plans, we noted that DCH has provided additional training and guidance to staff and hired additional staff to oversee the preparation of financial information.

Criteria:

According to Title 50, Chapter 5B, Article 1 of the *Official Code of Georgia Annotated* (OCGA) §50-5B-4 along with the State Accounting Office’s (SAO) Statewide Accounting Policy and Procedure, section Management’s Responsibilities, DCH management is responsible for providing information to SAO to permit the proper accounting and reporting for the State’s financial statements in accordance with generally accepted accounting principles (GAAP).

The DCH is required to maintain a system of controls over financial reporting in accordance with GAAP. The DCH’s internal controls over GAAP financial reporting should include adequately trained personnel with the knowledge, skills, and experience to prepare GAAP based financial statements and include all disclosures as required by the Governmental Accounting and Standards Board.

Condition:

Our review of the financial information prepared by DCH revealed several errors. Some of the more significant items found were as follows:

- A proposed audit adjustment was made to correct an overstatement of federal accounts receivable in the amount of \$266,958,801, an understatement of other accounts receivable in the amount of \$133,479,401, and an overstatement in benefits payable in the amount of \$133,479,401 on the General Fund balance sheet related to an error in recording the Medicaid drug rebate.
- A proposed audit adjustment was made to correct a misclassification in the amount of \$24,531,893 between benefits payable and accounts payable as reported on the General Fund balance sheet due to an error in recording the Upper Payment Limit transactions.
- A misclassification in the amount of \$16,646,310 between due from other funds and accounts receivable as reported on the State Health Benefit Plan Statement of Net Position due to an error in reconciling other agencies within the state reporting entity per SAO’s guidance.

- A proposed audit adjustment was made to correct a misclassification in the amount of \$78,224,434 between pooled investments with State Treasury and due to brokers for securities purchased as reported on the Combining Statement of Fiduciary Net Position of State Other Post-Employment Benefits (OPEB) Fund.
- A proposed audit adjustment was made to correct a misclassification in the amount of \$28,889,684 between pooled investments with State Treasury and due to brokers for securities purchased as reported on the Combining Statement of Fiduciary Net Position of School OPEB Fund.
- A proposed audit adjustment was made to correct an understatement of Covered payroll amount of the State OPEB Fund by \$176,915,049 which is a part of the Required Supplementary Information to the Financial Statements as reflected in the State's *Comprehensive Annual Financial Report* (CAFR).

Cause:

The DCH management did not have adequate internal controls to prevent or detect errors as they prepared information for SAO to include in the State's CAFR.

Effect:

Errors in the financial information prepared by DCH resulted in misstatements in the CAFR. Without effective controls over the reporting process, DCH cannot ensure the accuracy of the financial information reported and compliance with OCGA §50-5B-4. This increases the risk of misstatements in the State's Financial Statements, including the Notes and Required Supplementary Information to the Financial Statements as reflected in the CAFR.

Recommendation:

We recommend the DCH perform a detailed review of the current closing and reporting processes and continue to strengthen the processes by incorporating additional analyses and thorough reviews of information and continuing to provide training and guidance to staff that will aid in the prevention or timely detection and correction of errors in the year-end information used to prepare and issue the State's CAFR.

Views of Responsible Officials:

The Department (DCH) concurs with this finding and will continue to strengthen financial reporting controls.

STATE ENTITY: DEPARTMENT OF COMMUNITY HEALTH *(continued)*

2019-006 Continue to Strengthen Application Risk Management Program

Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance
Repeat of Prior Year Finding: 2018-006

The Department of Community Health (DCH) should continue to strengthen controls over its application risk management program.

Background Information:
See Federal Award Finding 2019-024.

Criteria:
See Federal Award Finding 2019-024.

Condition:
See Federal Award Finding 2019-024.

Cause:
See Federal Award Finding 2019-024.

Effect:
See Federal Award Finding 2019-024.

Recommendation:
See Federal Award Finding 2019-024.

Views of Responsible Officials:
The Department (DCH) concurs with this finding.

STATE ENTITY: DEPARTMENT OF HUMAN SERVICES

2019-007 Strengthen Logical Access Controls

Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance

Strengthen logical access controls over the child support tracking and payment system.

Background Information:

The Department of Human Services (DHS) relies extensively on its child support tracking and payment system to collect and process child support payments for the State. Controls over this system are essential for the reliability and integrity of child support data and to protect data from manipulation, corruption, or loss.

The DHS is responsible for the effective operation of the child support tracking and payment system and related control activities, including segregation of duties.

Criteria:

The DHS is responsible for maintaining an effective information system, which includes information technology (IT) general controls that ensure logical access is assigned based on job roles and responsibilities along with enforcing segregation of incompatible duties. It also includes policies and procedures, which are important in establishing processes for managing and monitoring user access, changes made to user access roles, and defining segregation of duties rules that govern the assignment of access rights to specific roles.

Pursuant to the *Official Code of Georgia Annotated (OCGA) §50-25-4(a)(20)*, the Georgia Technology Authority (GTA) is to establish technology security policies, standards, and services to be used by all agencies. The DHS is responsible for adhering to the technology security policies and standards which include:

- Access Control Policy (PS-08-009) - Access to State information assets is to be controlled and monitored to protect from unauthorized access and disclosure.
- Authorization and Access Management Standard (SS-08-010) - Requires periodic reviews of access control lists and logs to validate the appropriateness of user accounts and use of access privileges. Access control measures are critical to ensuring users only have access to the information for which they are authorized and need to perform their official duties.
- Separation of Production and Development Environments (SS-08-031) - Production systems require a stable and controlled environment to operate properly. Separating development and test activities from and restricting developer access to operational environments reduces the risks of inadvertent or unauthorized modifications to the operational system that could compromise the system's integrity or availability.

Further, the Uniform Guidance (Title 2 *Code of Federal Regulations (CFR) 200.303 Subpart D*) prescribes requirements for recipients of federal awards to establish and maintain an effective system of internal control over federal awards that provides reasonable assurance that the federal awards are managed in compliance with federal statutes, regulations, and the terms and conditions of the federal awards.

Condition:

Our review of DHS' child support tracking and payment system IT general controls revealed deficiencies in logical access. Specifically, we found 17 out of 100 users with access to the database supporting the system had the ability to make changes to data within the database, which was inappropriate based on their job roles and responsibilities.

The details related to the deficiencies have been provided to DHS management and shall not be considered a public record in accordance with OCGA §50-6-9(b).

Cause:

The DHS has not established a formal user access review process for the database supporting the child support tracking and payment system to determine whether user access continues to be appropriate based on job responsibilities to provide proper segregation of duties.

Effect:

The deficiencies in logical access result in noncompliance with the GTA technology security policy and standards and Title 2 CFR 200.303 and increase the risk of unauthorized access to the child support information and possible manipulation or loss of data.

Recommendation:

The DHS should strengthen its logical access controls over the child support tracking and payment system by establishing and implementing procedures for reviewing user access to the database supporting the system to determine whether the access privileges assigned to users are appropriate based on their current job roles and responsibilities.

Views of Responsible Officials:

DHS concurs with this finding.

STATE ENTITY: DEPARTMENT OF HUMAN SERVICES (*continued*)

2019-008 Strengthen Logical Access Controls

Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance

Strengthen logical access controls over the Georgia Gateway system.

Background Information:

The Department of Human Services (DHS) operates the Georgia Gateway system, which is the State's integrated system for determining eligibility across multiple benefits programs. Controls over this system are essential for the reliability and integrity of eligibility data and to protect eligibility information from manipulation, corruption, or loss.

The DHS is responsible for the effective operation of the Georgia Gateway system and related control activities, including segregation of duties.

Criteria:

The DHS is responsible for maintaining an effective information system, which includes information technology (IT) general controls that ensure logical access is assigned based on job roles and responsibilities along with enforcing segregation of incompatible duties. It also includes policies and procedures, which are important in establishing processes for managing and monitoring user access, changes made to user access roles, and defining segregation of duties rules that govern the assignment of access rights to specific roles.

Pursuant to the *Official Code of Georgia Annotated* (OCGA) §50-25-4(a)(20), the Georgia Technology Authority (GTA) is to establish technology security policies, standards, and services to be used by all agencies. The DHS is responsible for adhering to the technology security policies and standards which include:

- Access Control Policy (PS-08-009) - Access to State information assets is to be controlled and monitored to protect from unauthorized access and disclosure.
- Authorization and Access Management Standard (SS-08-010) - Requires periodic reviews of access control lists and logs to validate the appropriateness of user accounts and use of access privileges. Access control measures are critical to ensuring users only have access to the information for which they are authorized and need to perform their official duties.
- Separation of Production and Development Environments (SS-08-031) - Production systems require a stable and controlled environment to operate properly. Separating development and test activities from and restricting developer access to operational environments reduces the risks of inadvertent or unauthorized modifications to the operational system that could compromise the system's integrity or availability.

Further, the Uniform Guidance (Title 2 *Code of Federal Regulations* (CFR) 200.303 Subpart D) prescribes requirements for recipients of federal awards to establish and maintain an effective system of internal control over federal awards that provides reasonable assurance that the federal awards are managed in compliance with federal statutes, regulations, and the terms and conditions of the federal awards.

Condition:

Our review of DHS' Georgia Gateway system IT general controls revealed deficiencies in logical access. Specifically, we found five out of 109 users with access to the databases supporting the system had the ability to make changes to data within the databases, which was inappropriate based on their job roles and responsibilities.

In addition, we found certain general security settings for the databases supporting the system are not configured to provide reasonable assurance that the databases are not susceptible to potential exploitation based on known security vulnerabilities.

The details related to these deficiencies have been provided to DHS management and shall not be considered a public record in accordance with OCGA §50-6-9(b).

Cause:

The DHS has not established a formal user access review process for the databases supporting the Georgia Gateway system to determine whether user access continues to be appropriate based on job responsibilities to provide proper segregation of duties. In addition, DHS did not change certain default general security settings to address known security vulnerabilities for the databases supporting the system.

Effect:

The deficiencies in logical access result in noncompliance with the GTA technology security policy and standards and Title 2 CFR 200.303 and increase the risk of unauthorized access to the eligibility information and possible manipulation or loss of data.

Recommendation:

The DHS should strengthen its logical access controls over the Georgia Gateway system by:

- Establishing and implementing procedures for reviewing user access to the databases supporting the system to determine whether the access privileges assigned to users are appropriate based on their current job roles and responsibilities; and
- Configuring the general security settings for the databases supporting the system to reduce the risk of unauthorized access and inappropriate activity.

Views of Responsible Officials:

DHS concurs with this finding.

STATE ENTITY: DEPARTMENT OF REVENUE

2019-009 Strengthen Logical Access Controls

Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance

Strengthen controls over logical access within the tax return collection and processing information system.

Background Information:

The Department of Revenue (DOR) relies extensively on its tax return collection and processing information system to perform complex calculations and collect and process large volumes of tax returns, payments, and refunds for the State. Controls over the system are essential for the reliability and integrity of DOR's financial data and to protect financial information from manipulation, corruption, or loss.

The DOR is responsible for the effective operation of the tax return collection and processing information system and related control activities, including segregation of duties.

Criteria:

The DOR is responsible for maintaining an effective information system, which includes information technology (IT) general controls that ensure logical access is assigned based on job roles and responsibilities along with enforcing segregation of incompatible duties. It also includes policies and procedures, which are important in establishing processes for managing and monitoring user access, changes made to user access roles, and defining segregation of duties rules that govern the assignment of access rights to specific roles.

Pursuant to the *Official Code of Georgia Annotated (OCGA) §50-25-4(a)(20)*, the Georgia Technology Authority (GTA) is to establish technology security policies, standards, and services to be used by all agencies. The DOR is responsible for adhering to the technology security policies and standards which include:

- Access Control Policy (PS-08-009) - Access to State information assets is to be controlled and monitored to protect from unauthorized access and disclosure.
- Authorization and Access Management Standard (SS-08-010) - Requires periodic reviews of access control lists and logs to validate the appropriateness of user accounts and use of access privileges. Access control measures are critical to ensuring users only have access to the information for which they are authorized and need to perform their official duties.
- Separation of Production and Development Environments (SS-08-031) - Production systems require a stable and controlled environment to operate properly. Separating development and test activities from and restricting developer access to operational environments reduces the risks of inadvertent or unauthorized modifications to the operational system that could compromise the system's integrity or availability.

Condition:

Our review of DOR's tax return collection and processing information system's IT general controls revealed the following deficiencies in logical access:

- We found 54 users had inappropriate access to the server production environment that was not commensurate with their job responsibilities. This access allowed users to promote system changes to the production environment or delete critical files needed for the operation of the information system.
- We reviewed the 1,071 users with access to the information system. We found the access was inappropriate for 49 users based on their job roles and responsibilities.
- We found one out of nine users had inappropriate access to the database supporting the information system.

In addition, our review disclosed certain general security settings for the databases supporting the system were not configured to provide reasonable assurance that the databases are not susceptible to potential exploitation based on known security vulnerabilities.

The details related to these deficiencies have been provided to DOR management and shall not be considered a public record in accordance with the OCGA §50-6-9(b).

Cause:

The DOR has not established a formal user access review process to determine whether user access continues to be appropriate based on job responsibilities to provide proper segregation of duties. In addition, DOR did not change certain default general security settings to address known security vulnerabilities for the databases supporting the system.

Effect:

The deficiencies in logical access result in noncompliance with the GTA technology security policies and standards and increase the risk of unauthorized access to the information system data and possible manipulation or loss of data.

Recommendation:

The DOR should strengthen its logical access controls by:

- Addressing the inappropriate access identified within the information system;
- Ensuring proper segregation of duties is maintained in the change management production environment;
- Establishing and implementing procedures for reviewing user access to determine whether the roles assigned to users of the system are appropriate based on their current job roles and responsibilities; and
- Configuring the general security settings for the databases supporting the financial application to reduce the risk of unauthorized access and inappropriate activity.

Views of Responsible Officials:

As officials of the Georgia Department of Revenue, we concur with your findings and have taken steps to remediate the issues found and mitigate any future risks to our data and/or systems.

STATE ENTITY: GEORGIA WORLD CONGRESS CENTER AUTHORITY

2019-010 Continue to Strengthen Logical Access Controls

Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance
Repeat of Prior Year Finding: 2018-012, 2017-018, 2016-024

Continue to strengthen controls over logical access within the payroll application.

Background Information:

The Georgia World Congress Center Authority (GWCCA) implemented a Human Resource Information System (HRIS) in May 2015 to process its human resource (HR) and payroll transactions. During our follow up to the prior year findings, we noted that certain improvements to logical access were made during fiscal year 2019. The GWCCA removed the inappropriate access to the system administration function within the payroll application for two users identified in the prior year finding. The GWCCA also designed formal client user and role permission review processes for the payroll application.

Although considerable progress has been made, GWCCA's user access review processes were not fully designed and implemented within the audit period under review.

Criteria:

The GWCCA is responsible for designing and operating an effective information system and related control activities. In addition, GWCCA is responsible for managing and monitoring an effective information system to ensure that HR and payroll transactions are authorized, complete, valid, and accurately recorded and reported.

An effective information system related to the HRIS includes information technology (IT) general controls that address logical access to ensure access is assigned based on job roles and responsibilities. Sound logical access controls also ensure segregation of incompatible duties is enforced. Such controls contribute to the design, implementation, and operating effectiveness of GWCCA's information systems and related control activities and are critical to reduce the risk of error, misuse, or fraud.

Furthermore, all organizations of the State government are required to conform to and comply with the technology security standards established by the Georgia Technology Authority (Official Code of Georgia Annotated (OCGA) §50-25-4(a)(20)), including the Authorization and Access Management standard (SS-08-010), which requires periodic reviews of access control lists and logs to validate the appropriateness of user accounts and use of access privileges. Access control measures are critical to ensuring users only have access to the information for which they are authorized and need to perform their official duties.

An effective information system also includes policies and procedures, which are important in establishing processes for managing and monitoring user access, changes made to user access roles, and defining segregation of duties rules.

Condition:

Our review of GWCCA's HRIS general controls revealed prior year issues that were not fully resolved related to logical access. Specifically, five employees continue to have inappropriate access to the system administration function within the payroll application. This is due to the ineffective design of advanced user permissions within the application.

The design of advanced user permissions allows the ability to provision new users or modify user access (add/modify/delete) to the application, in addition to the other permissions needed to perform certain job responsibilities where the user's other assigned application role does not allow the access. The HRIS system does not allow changing the configuration of the advanced user permissions unless modification to the application code is made by the vendor. The GWCCA designed user access and role permission review processes to mitigate this issue but was not able to fully implement them during the year.

In addition, GWCCA did not complete the design of its access reviews for base level users and the implementation of its client user access review processes for all departments during the year. These processes are necessary to determine whether user access continues to be appropriate based on job responsibilities and privileges assigned to application roles continue to provide proper segregation of duties.

Cause:

The GWCCA did not complete the design and implementation of its user access and role permission review processes during fiscal year 2019.

Effect:

The weaknesses in IT general controls related to logical access exposes GWCCA to unnecessary risk of fraud, noncompliance with OCGA §50-25-4(a)(20) and could impact the integrity and reliability of data. These weaknesses also increase the need for GWCCA to ensure mitigating controls are operating effectively to reduce the chance of errors that could significantly affect the financial statements.

Recommendation:

We recommend GWCCA continue to strengthen logical access controls by completing the design and implementation of its user access and role permission review processes within the HRIS application. Having a good system of internal controls is essential to ensure the reliability and integrity of HR and payroll data.

Views of Responsible Officials:

We concur with the finding.

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¹The entity number represents the control number that was assigned to each State entity.

FEDERAL AWARD FINDINGS AND QUESTIONED COSTS

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¹The entity number represents the control number that was assigned to each State entity.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION

STATE ENTITY: CLAYTON STATE UNIVERSITY

2019-011 Improve Controls over the Return of Title IV Funds Process

Compliance Requirement:	Special Tests and Provisions
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplement Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program 84.268 – Federal Direct Student Loans Program
Federal Award Number:	P007A180982 (Year: 2019), P033A180982(Year: 2019), P063P183136 (Year: 2019), P268K193136 (Year: 2019)
Questioned Costs:	\$1,704.97

The Institution did not properly perform the refund process to ensure that unearned Title IV funds were returned in a timely manner.

Criteria:

Provisions included in 34 CFR 668.22 provide requirements over the treatment of Title IV funds when a student withdraws. The Institution is required to determine the amount of Title IV funds that the student earned as of the student’s withdrawal date when a recipient of Title IV funds withdraws from an institution during a payment period or period of enrollment in which the recipient began attendance. A refund must be returned to Title IV programs when the total amount of the Title IV grant or loan assistance, or both, that the student earned is less than the amount of the Title IV grant or loan assistance that was disbursed to the student as of the withdrawal date.

Condition:

A sample of 25 students who received student financial assistance (SFA) for the Fall 2018 and Spring 2019 semesters and withdrew from the Institution was randomly selected for testing using a non-statistical sampling method. The students’ Return of Title IV calculations were reviewed to ensure that the refunds were calculated and returned in the correct amount to the proper funding agency and/or student in a timely manner. The following deficiencies were noted:

- The refund calculation for ten students who withdrew during the Fall 2018 semester and one student who withdrew during the Spring 2019 semester was calculated incorrectly due to the use of improper scheduled break days and withdrawal dates. One student was requested to return \$1,704.97 less than the required amount to various SFA programs, and ten students were requested to return \$806.52 more than the required amount to various SFA programs.
- The proration between the school and student portion of the refund was incorrect for eight students who withdrew during the Fall 2018 semester and one student who withdrew during the Spring 2019 semester.
- Funds were not returned to the appropriate grantor programs within the required time frame for one of the withdrawn students tested.

Questioned Costs:

Questioned costs of \$1,704.97, with likely questioned costs of \$49,335.54, were identified for refunds calculated incorrectly. The following CFDA numbers are affected by the known and likely questioned costs: 84.063 and 84.268.

Cause:

In discussing these deficiencies with management, they stated that the variances associated with the Fall 2018 Return of Title IV calculations were related to an omission and lack of administrative oversight and the variance associated with the Spring 2019 Return of Title IV calculation was the result of a data entry error.

Effect:

This deficiency may expose the Institution to unnecessary financial strains and shortages. The school's portion of the refunds that were not calculated correctly must be returned to the U.S. Department of Education. Though the Institution may attempt to collect the funds from individual students affected by the error, these collection efforts could be unsuccessful as the students may no longer attend the Institution and/or fail to repay the funds. Additionally, the Institution was not in compliance with Federal regulations concerning performing Return of Title IV calculations for withdrawn students.

Recommendation:

The Institution should revise and implement procedures to ensure that student financial aid refunds are properly calculated and that unearned funds are correctly returned to the appropriate accounts in a timely manner in accordance with the Higher Education Amendments 1998, Public Law 105-244. The Institution should also contact the U.S. Department of Education regarding resolution of the finding.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION *(continued)*

STATE ENTITY: FORT VALLEY STATE UNIVERSITY

2019-012 Improve Controls over the Verification Process

Compliance Requirement:	Special Tests and Provisions
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplement Educational Opportunity Grant Program 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program 84.268 – Federal Direct Student Loans Program 84.379 – Teacher Education Assistance for College and Higher Education (TEACH) Grant Program
Federal Award Number:	P007A180999 (Year: 2019), P033A180999 (Year: 2019), P063P180082 (Year: 2019), P268K190082 (Year: 2019), P379T190082 (Year: 2019)
Questioned Costs:	\$11,089.00

The Institution’s Student Financial Assistance Office did not meet student verification requirements.

Criteria:

Provisions included in 34 CFR 668 provide the compliance requirements for the verification process that the Institution should follow for students who receive financial aid and identify what documentation is acceptable.

Condition:

A sample of 40 students who were selected for verification by the U.S. Department of Education was randomly selected for testing using a non-statistical sampling method. Verification records were reviewed to ensure that the Institution obtained acceptable verification documentation, matched documentation obtained to the student aid application, submitted appropriate corrections when necessary, and reported the correct verification status to the Common Origination and Disbursement (COD) system. Testing revealed that verification procedures were not completed for one student.

Questioned Cost:

Questioned costs of \$11,089.00, with likely questioned cost of \$270,508.67, were identified for the student for whom verification procedures were not completed appropriately but received student financial assistance. The following CFDA numbers were affected by the known and likely questioned costs: 84.007, 84.063, and 84.268.

Cause:

In discussing these deficiencies with management, they stated that the student’s verification documentation was misplaced or lost.

Effect:

This deficiency may expose the Institution to unnecessary financial strains and shortages. The funds disbursed to students for whom necessary verification procedures have not been completed must be returned to the U.S. Department of Education. Though the Institution may attempt to collect the funds from individual students affected by the error, these collection efforts could be unsuccessful as the students may no longer attend the Institution and/or fail to repay the funds. Additionally, the Institution was not in compliance with Federal regulations concerning performing verification procedures and awarding of SFA funds to students.

Recommendation:

The Institution should develop and implement procedures to ensure that verification requirements are met and appropriate documentation is maintained on file. The Institution should also contact the U.S. Department of Education regarding resolution of this finding.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION (*continued*)

STATE ENTITY: GEORGIA SOUTHWESTERN STATE UNIVERSITY

2019-013 Improve Controls over Cost of Attendance Budgets

Compliance Requirement:	Eligibility
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplemental Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program 84.268 – Federal Direct Student Loans Program
Federal Award Number:	P007A181005 (Year: 2019), P033A181005 (Year: 2019), P063P181307 (Year: 2019), P268K191307 (Year: 2019)
Questioned Cost:	None Identified

The Institution’s Student Financial Aid Office did not appropriately document and award students based upon final amended Cost of Attendance (COA) budgets.

Criteria:

Provisions included in 34 CFR 668 provide general provisions for administering Student Financial Aid (SFA) programs. In addition, Section 472 of the Higher Education Act of 1965 specifies the components that can be included in COA budgets.

Condition:

A review of the Institution’s COA budgets was performed to determine if the budgets were reasonable, included allowable components, and were calculated based upon appropriate supporting documentation. The following deficiencies were noted:

- Institution personnel could not provide supporting documentation or explanations for the Childcare component of one COA budget.
- The Tuition component reflected in one COA budget did not agree to the supporting documentation provided.
- Two COA budgets were increased after the Fall 2018 semester had begun. Students who submitted a Free Application for Federal Student Aid (FAFSA) after the date of the adjustment were awarded based upon the new COA budget amount. However, students who submitted a FAFSA before the date of the adjustment were awarded based upon the original, lower COA budget, and a reevaluation of their award was not performed to ensure that the students received the appropriate amount of aid and types of aid.

Cause:

In discussing these deficiencies with management, they stated that a change in administrative leadership prompted a review of the Institution’s COA budgets and the new administration requested that the COA budgets be adjusted after the award year had begun.

Effect:

The Institution was not in compliance with Federal regulations concerning the COA budgets used as the basis for determining SFA eligibility. The COA is the cornerstone of establishing a student's financial need and sets a limit on the total aid a student may receive. If the estimated costs used for components in the COA budget are unreasonable and do not represent average costs for students at the Institution, a majority of the student population could have been over or under awarded.

Recommendation:

The Institution should reevaluate the components used in the COA budgets and document that these costs represent average costs for students enrolled at the Institution. The Institution should modify its procedures to ensure that any future changes to the COA budgets are reasonable and based on documented average costs for students. In addition, the Institution should ensure that COA budgets are finalized and appropriately supported prior to awarding any students. The Institution should also contact the U.S. Department of Education regarding resolution of this finding.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION *(continued)*

STATE ENTITY: GEORGIA SOUTHWESTERN STATE UNIVERSITY *(continued)*

2019-014 Improve Controls over Unofficial Withdrawals

Compliance Requirement:	Special Tests and Provisions
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplemental Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program 84.268 – Federal Direct Student Loans Program
Federal Award Number:	P007A181005 (Year: 2019), P033A181005 (Year: 2019), P063P181307 (Year: 2019), P268K191307 (Year: 2019)
Questioned Costs:	\$7,125.20

Unearned Title IV funds were not identified and returned for students who unofficially withdrew from the Institution.

Criteria:

The provisions in 34 CFR 668.22 provides requirements over the treatment of Title IV funds when a student withdraws. The Institution is required to determine the amount of Title IV grant that the student earned as of the student's withdrawal date when a recipient of a Title IV grant withdraws from an institution during a payment period or period of enrollment in which the recipient began attendance. A refund must be returned to Title IV programs when the total amount of Title IV grant or loan assistance, or both, that the student earned is less than the amount of the Title IV grant or loan assistance that was disbursed to the student as of the withdrawal date.

Condition:

Eight students who received Federal financial assistance for the Fall 2018 and Spring 2019 semesters and withdrew from the Institution but for whom no Return of Title IV calculation was performed were selected to determine if a refund should have been calculated. Our examination revealed that refund calculations were not performed appropriately for one of these students who unofficially withdrew during the Spring 2019 semester.

Questioned Costs:

Questioned costs of \$7,125.20, with likely questioned costs of \$43,851.26, were identified for omitted Return of Title IV calculations. The following CFDA numbers are affected by the known and likely questioned costs: 84.063 and 84.268.

Cause:

In discussing these deficiencies with management, they stated that the unofficial withdrawal was identified, and it was determined that a Return of Title IV calculation was necessary for the student. However, the documentation was misfiled, and the calculation was never entered into the student information system.

Effect:

Unearned Title IV funds were not returned to the U.S Department of Education appropriately. Improperly identifying withdrawn students, not performing Return of Title IV calculations, and/or not returning unearned Title IV funds to the U.S Department of Education in a timely manner may result in adverse actions and impact the Institution's participation in Title IV programs.

Recommendation:

The Institution should implement policies and procedures to ensure that students who unofficially withdrew and received Title IV funds are identified and the required refund calculation is performed. The Institution should also contact the U.S. Department of Education regarding resolution of this finding.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION *(continued)*

STATE ENTITY: ALBANY TECHNICAL COLLEGE

2019-015 Strengthen Controls over Enrollment Reporting

Compliance Requirement:	Special Tests and Provisions
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplemental Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program 84.268 – Federal Direct Student Loans
Federal Award Number:	P007A180951 (Year: 2019), P033A180951 (Year: 2019), P063P182748 (Year: 2019), P268K192748 (Year: 2019)
Questioned Costs:	None Identified

Changes in student enrollment statuses were not reported to required organizations in a timely and accurate manner.

Criteria:

Regarding the enrollment reporting process, provisions included in 34 CFR 685.309(b) state in part “(1) Upon receipt of an enrollment report from the Secretary, a school must update all information included in the report and return the report to the Secretary – (i) In the manner and format prescribed by the Secretary; and (ii) Within the timeframe prescribed by the Secretary. (2) Unless it expects to submit its next updated enrollment report to the Secretary within the next 60 days, a school must notify the Secretary within 30 days after the date the school discovers that – (i) ... the student has ceased to be enrolled on at least a half-time basis for the period.”

Condition:

A sample of 40 students who withdrew from the Institution during the Fall 2018 and Spring 2019 semesters and for whom a Return of Title IV funds calculation was completed was randomly selected for testing using a non-statistical sampling method. The National Student Loan Data System (NSLDS) Enrollment Detail was reviewed for each student to ensure that the correct enrollment status was reflected, and the enrollment status was updated within the appropriate timeframe. In six instances, the student’s withdrawn enrollment status was never reported to NSLDS. Additionally, in 14 instances, the student’s withdrawn enrollment status was reported to NSLDS in an untimely manner.

Cause:

In discussing these deficiencies with management, they stated that for students who had failing or incomplete grades reported but had ceased attendance, the overall enrollment status was being updated; however, the enrollment status for each course was not being updated. This error caused the omissions and untimely updates in NSLDS enrollment reporting performed.

Effect:

If enrollment statuses are not submitted appropriately to NSLDS by the Institution, loan interest subsidies may be negatively affected, deferments of Federal Direct Loans may be continued in error, loan repayment dates could be recorded incorrectly, and the compilation of data associated with other Title IV aid programs can be adversely affected. Additionally, the Institution was not in compliance with Federal regulations concerning enrollment reporting requirements.

Recommendation:

The Institution should implement policies and procedures to ensure that all changes in student enrollment statuses are reported in a timely manner. Additionally, management should develop and implement a monitoring process to ensure that controls are operating properly.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION *(continued)*

STATE ENTITY: GEORGIA PIEDMONT TECHNICAL COLLEGE

2019-016 Strengthen Controls over the Awarding Process

Compliance Requirement:	Eligibility
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplemental Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program
Federal Award Number:	P007A180991 (Year: 2019), P033A180991 (Year: 2019), P063P182762 (Year: 2019)
Questioned Costs:	\$2,286.00
Repeat of Prior Year Finding:	2017-032

The Institution’s Student Financial Assistance Office improperly determined the Student Financial Assistance award amounts for eligible students.

Criteria:

Provisions included in 34 CFR 668 provide general provisions for administering Student Financial Assistance (SFA) programs and 34 CFR 675, 676, and 685 provide eligibility and other related program requirements that are specific to the Federal Work-Study Program, Federal Supplemental Educational Opportunity Grant (FSEOG) Program, and Federal Pell Grant Program, respectively.

Specifically, 34 CFR 668.32 states in part that “a student is eligible to receive Title IV, HEA program assistance if the student... (f) maintains satisfactory academic progress in his or her course of study according to the institution’s published standards of satisfactory academic progress.”

Condition:

A sample of 60 students who received student financial assistance funds was randomly selected for testing using a non-statistical sampling method. Student financial assistance files were reviewed to ensure that financial assistance was properly calculated and disbursed to eligible students. The following deficiency was noted:

- One student in the sample was not in compliance with the Institution’s published satisfactory academic progress (SAP) policies. This student should have been placed on financial aid suspension as they did not meet the qualitative requirement of SAP, which resulted in SFA over disbursements totaling \$2,286.00.

Questioned Cost:

Questioned costs of \$2,286.00, with likely questioned costs of \$88,428.80, were identified for the student who received student financial assistance in excess of their eligibility. The following CFDA number was affected by the known and questioned costs: 84.063.

Cause:

In discussing this deficiency with management, they stated the SAP error occurred as a result of the significant amount of turnover within the Financial Aid Office. SAP is calculated over the course of each student's academic career, and errors in the SAP calculation from previous award years may carry forward to the current award year.

Effect:

This deficiency may expose the Institution to unnecessary financial strains and shortages. The funds disbursed to students who were not meeting SAP standards and should have been on financial aid suspension must be returned to the U.S. Department of Education. Though the Institution may attempt to collect the funds from individual students affected by the error, these collection efforts could be unsuccessful as they students may no longer attend the Institution and/or fail to repay the funds. Additionally, the Institution was not in compliance with Federal regulations concerning the awarding of SFA to students.

Recommendation:

The Institution should review its processes and procedures for determining each student's financial aid eligibility, including the current configurations within the student information system. Where vulnerable the Institution should develop and/or modify its policies and procedures to ensure that correct amounts will be awarded to students in conformity with financial need requirements. Additionally, the Institution should develop and implement a monitoring process to ensure that controls are properly implemented. The Institution should also contact the U.S. Department of Education regarding resolution of this finding.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION *(continued)*

STATE ENTITY: GEORGIA PIEDMONT TECHNICAL COLLEGE *(continued)*

2019-017 Improve Controls over Federal Work-Study Earmarking Requirements

Compliance Requirement:	Matching, Level of Effort, Earmarking
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.033 – Federal Work-Study Program
Federal Award Number:	P033A180991 (Year: 2019)
Questioned Costs:	\$11,710.71

The Institution did not meet earmarking requirements associated with the Federal Work-Study (FWS) Program.

Criteria:

Provisions included in 34 CFR 675.18 provide requirements for the use of the FWS Program funds. Specifically, 34 CFR 675.18(g) states in part that “for the 2000-2001 award year and subsequent award years, an institution must use at least seven percent of the sum of its initial and supplemental FWS allocations for an award year to compensate students employed in community service activities.”

Condition:

Our review of expenditures related to the FWS Program revealed that the proper amount was not expended for community service activities. The FWS amount authorized for the Institution was \$183,978.00. Seven percent of the authorization is \$12,878.46. The Institution expended \$1,167.75 for community service activities. Therefore, the Institution should have expended an additional \$11,710.71 for community services activities.

Questioned Cost:

Questioned costs of \$11,710.71 were identified for the additional amounts that should have been expended for community service activities.

Cause:

In discussing this deficiency with management, they stated that there was a lack of monitoring over the community service expenditures as a result of the significant amount of turnover within the Financial Aid Office.

Effect:

This deficiency may expose the Institution to unnecessary financial strains and shortages. Funds that were to be spent on community service activities and were paid to students working in activities not associated with community service must be returned to the U.S. Department of Education. Additionally, the Institution was not in compliance with Federal regulations concerning the use of FWS funds.

Recommendation:

The Institution should strengthen procedures to ensure that the proper amount of FWS Program funds is expended for community service activities. Additionally, the Institution should develop and implement a monitoring process to ensure that controls are operating properly. The Institution should also contact the U.S. Department of Education regarding resolution of this finding.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION *(continued)*

STATE ENTITY: GEORGIA PIEDMONT TECHNICAL COLLEGE *(continued)*

2019-018 Improve Controls over Special Reporting

Compliance Requirement:	Reporting
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplemental Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program
Federal Award Number:	P007A180991 (Year: 2019), P033A180991 (Year: 2019), P063P182762 (Year: 2019)
Questioned Costs:	None Identified

Amounts reported on the Fiscal Operations and Application to Participate (FISAP) report were not properly supported by or reconciled to appropriate documentation.

Criteria:

Provisions included in 34 CFR 675.19(b)(3) state, “Each year an institution shall submit a Fiscal Operations Report plus other information the Secretary requires. The institution shall insure that the information reported is accurate and shall submit it on the form and at the time specified by the Secretary.” Additionally, provisions included in 34 CFR 668.24(e)(1) state in part that “an institution shall keep – (i) The Fiscal Operations Report and Application to Participate in the Federal Perkins Loan, FSEOG, and FWS Programs (FISAP), and any records necessary to support the data contained in the FISAP, including “income grid information,” for three years after the end of the award year in which the FISAP is submitted.”

Condition:

All amounts reflected on the Award Year July 1, 2017 through June 30, 2018 FISAP report were not accurately completed and supported by the accounting records or other appropriate documentation. Amounts reported by the Institution within the following categories did not agree to or could not be supported by institutional records and reports: Information on Enrollment, Tuition and Fees for Undergraduate Students, Federal Pell Grants, State Grants and Scholarships, Federal Supplemental Educational Opportunity Grant (FSEOG) Program, Federal Work-Study (FWS) Program, and Distribution of Program Recipients and Expenditures by Type of Student.

Cause:

In discussing this deficiency with management, they stated that the errors occurred as a result of the significant amount of turnover within the Financial Aid Office and the numerous FISAP revisions required.

Effect:

If incorrect amounts are reported on the FISAP report for the FSEOG and FWS programs, authorizations in subsequent award years may be reduced and result in less funding received by the Institution. Furthermore, students may not have access to an adequate level of student financial assistance. Additionally, the Institution was not in compliance with Federal regulations concerning special reporting requirements.

Recommendation:

The Institution should implement policies and procedures to ensure that all reports submitted to the U.S. Department of Education are accurately completed and supported by the accounting records. Additionally, management should develop and implement a monitoring process to ensure that controls are operating properly. The Institution should also contact the U.S. Department of Education regarding the resolution of this finding.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION *(continued)*

STATE ENTITY: GEORGIA PIEDMONT TECHNICAL COLLEGE *(continued)*

2019-019 Strengthen Controls over Enrollment Reporting

Compliance Requirement:	Special Tests and Provisions
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplemental Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program
Federal Award Number:	P007A180991 (Year: 2019), P033A180991 (Year: 2019), P063P182762 (Year: 2019)
Questioned Costs:	None Identified

Changes in student enrollment statuses were not reported to required organizations in a timely and accurate manner.

Criteria:

Regarding the enrollment reporting process, provisions included in 34 CFR 685.309(b) state in part “(1) Upon receipt of an enrollment report from the Secretary, a school must update all information included in the report and return the report to the Secretary – (i) In the manner and format prescribed by the Secretary; and (ii) Within the timeframe prescribed by the Secretary. (2) Unless it expects to submit its next updated enrollment report to the Secretary within the next 60 days, a school must notify the Secretary within 30 days after the date the school discovers that – (i) ... the student has ceased to be enrolled on at least a half-time basis for the period.” Per the National Student Loan Data System (NSLDS) Enrollment Reporting Guide issued by the U.S. Department of Education, students who have received Federal Pell Grant funds will be included on the NSLDS roster file received by each institution and are subject to the same enrollment reporting requirements as those students who have received a loan under the William D. Ford Federal Direct Loan Program.

Condition:

A sample of 60 students who withdrew from the Institution during the Fall 2018 and Spring 2019 semesters and for whom a Return of Title IV funds calculation was completed was randomly selected for testing using a non-statistical sampling method. The NSLDS Enrollment Detail was reviewed for each student to ensure that the correct enrollment status was reflected, and the enrollment status was updated within the appropriate timeframe. In 37 instances, the student’s withdrawn enrollment status was never reported to NSLDS.

Cause:

In discussing this deficiency with management, they stated that the errors occurred as a result of miscommunication between the Financial Aid Office and the Registrar’s Office.

Effect:

If enrollment statuses are not submitted appropriately to NSLDS by the Institution, loan interest subsidies may be negatively affected, deferments of Federal Direct Loans may be continued in error, loan repayment dates could be recorded incorrectly, and the compilation of data associated with other Title IV aid programs can be adversely affected. Additionally, the Institution was not in compliance with Federal regulations concerning enrollment reporting requirements.

Recommendation:

The Institution should implement policies and procedures to ensure that all changes in student enrollment statuses are reported in a timely manner. Additionally, management should develop and implement a monitoring process to ensure that controls are operating properly.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF EDUCATION *(continued)*

STATE ENTITY: WIREGRASS GEORGIA TECHNICAL COLLEGE

2019-020 Improve Controls over Unofficial Withdrawals

Compliance Requirement:	Special Tests and Provisions
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplemental Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program
Federal Award Number:	P007A181054 (Year: 2019), P033A181054 (Year: 2019), P063P182614 (Year: 2019)
Questioned Costs:	\$4,808.10

Unearned Title IV funds were not identified and returned for students who unofficially withdrew from the Institution.

Criteria:

The provisions in 34 CFR 668.22 provides requirements over the treatment of Title IV funds when a student withdraws. The Institution is required to determine the amount of Title IV grant that the student earned as of the student's withdrawal date when a recipient of a Title IV grant withdraws from an institution during a payment period or period of enrollment in which the recipient began attendance. A refund must be returned to Title IV programs when the total amount of Title IV grant or loan assistance, or both, that the student earned is less than the amount of the Title IV grant or loan assistance that was disbursed to the student as of the withdrawal date.

Condition:

Thirty students who received Federal financial assistance for the Fall 2018 and Spring 2019 semesters and withdrew from the Institution but for whom no Return of Title IV calculation was performed were selected to determine if a refund should have been calculated. Our examination revealed that refund calculations were not performed appropriately for five of these students who unofficially withdrew during the Fall 2018 and Spring 2019 semesters.

Questioned Costs:

Questioned costs of \$4,808.10, with likely questioned costs of \$30,358.62, were identified for omitted Return of Title IV calculations. The following CFDA number is affected by the known and likely questioned costs: 84.063.

Cause:

In discussing these deficiencies with management, they stated that when faculty members did not respond in a timely manner to the failing grade report transmitted by the Financial Aid Office at the end of each semester, the Financial Aid Office considered these students to have earned their final failing grade(s). However, many of these students did not have earn the failing grade(s) and had unofficially withdrawn from the Institution.

Effect:

Unearned Title IV funds were not returned to the U.S Department of Education appropriately. Improperly identifying withdrawn students, not performing Return of Title IV calculations, and/or not returning unearned Title IV funds to the U.S Department of Education in a timely manner may result in adverse actions and impact the Institution's participation in Title IV programs.

Recommendation:

The Institution should implement policies and procedures to ensure that students who unofficially withdrew and received Title IV funds are identified and the required refund calculation is performed. The Institution should also contact the U.S. Department of Education regarding resolution of this finding.

Views of Responsible Officials:

We concur with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

STATE ENTITY: DEPARTMENT OF COMMUNITY HEALTH

2019-021 Improve Controls over Medicaid Capitation Payments

Compliance Requirement:	Activities Allowed or Unallowed Allowable Costs/Cost Principles
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Number and Title:	93.778 - Medical Assistance Program (Medicaid: Title XIX)
Federal Award Number:	1805GA5MAP (Year: 2018), 1905GA5MAP (Year: 2019)
Questioned Costs:	\$18,485

The Department of Community Health (DCH) made improper duplicate payments for Medicaid managed-care recipients.

Background Information:

The DCH administers the State's Medicaid program that provides payments for medical assistance to low-income individuals. Medicaid is Georgia's largest public assistance program with expenditures totaling \$10.8 billion for fiscal year 2019. The program accounts for more than one-third of the State's total federal award expenditures.

The DCH, the State's Medicaid agency, administers Georgia's managed-care program. The program is a partnership between DCH and private care management organizations (CMOs). The State pays a monthly fixed rate per person (capitation rate) without regard to the actual medical services utilized to cover the costs of Medicaid claims. Managed care is a prepaid, comprehensive system of medical and health care delivery, including preventive, primary, specialty and ancillary health care services. The program is designed to reduce the cost of providing health benefits, improve the quality of care and deliver health care to clients. Capitation payments for the year totaled \$4.5 billion (federal and state).

Criteria:

As a recipient of federal awards, the DCH is required to establish and maintain effective internal controls over federal awards that provides reasonable assurance of managing the federal awards in compliance with federal statutes, regulations, and the terms and conditions of the federal awards pursuant to Title 2 CFR 200.303, Subpart D of the Uniform Guidance.

Title 2 CFR 200.53, Subpart A of the Uniform Guidance, defines *improper payment* as any payment that should not have been made or that was made in an incorrect amount (including overpayments and underpayments) under statutory, contractual, administrative, or other legally applicable requirements. An *improper payment* includes any payment to an ineligible party, any payment for an ineligible good or service, any duplicate payment, any payment for a good or service not received (except for such payments where authorized by law), any payment that does not account for credit for applicable discounts, and any payment where insufficient or lack of documentation prevents a reviewer from discerning whether a payment was proper.

Condition:

Our audit of the Medicaid program revealed deficiencies in the capitation payments paid to CMOs for Manage-Care members. Using computer assisted auditing techniques we identified a population of 903 potential duplicate payments for Manage-Care members that appear to have more than one Medicaid identification (ID) number. From this population, we tested a random sample of 60 payments. We found that DCH made duplicate payments to CMOs for 25 of 60 Manage-Care members.

Questioned Costs:

Known questioned costs of \$18,485 was identified for benefit payments to the 25 Manage-Care members whose capitation payments to CMOs were duplicate payments. The Federal and State share of known questioned cost is approximately \$12,565 and \$5,921, respectively.

Using the total population amount of \$680,169, we project the likely questioned cost to be approximately \$66,001. The Federal and State share of likely questioned cost is approximately \$44,850 and \$21,151, respectively. The projected likely questioned cost is based on the testing of the sample of 60 Manage-Care members.

Cause:

The duplicate payments are made when a member has more than one Medicaid ID number. A member can end up with more than one Medicaid ID number for various reasons, such as a variation in the information entered for the member. The DCH has procedures in place for identifying and reviewing members with more than one Medicaid ID number; however, the operation of those procedures did not ensure that the duplicate capitation payments were recovered from CMOs.

Effect:

The duplicate capitation payments resulted in noncompliance with federal regulations and questioned costs. In addition, grant provisions allow the grantor to penalize DCH for noncompliance by suspending or terminating the award or withholding future awards. This may prevent eligible individuals from receiving benefits.

Recommendation:

The DCH management should strengthen internal controls over capitation payments to CMOs for Manage-Care members to ensure duplicate capitation payments are not made to CMOs for Managed-Care members. Specifically, the DCH should consider improving procedures for identifying members with multiple Medicaid ID numbers and training staff to research further when exceptions occur. Additionally, we recommend the DCH consult with the grantor to discuss whether the questioned costs identified in the audit should be repaid.

Views of Responsible Officials:

The Department (DCH) concurs with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (*continued*)

STATE ENTITY: DEPARTMENT OF COMMUNITY HEALTH (*continued*)

2019-022 Improve Controls over Medicaid Payments

Compliance Requirement:	Activities Allowed or Unallowed Allowable Costs/Cost Principles
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Number and Title:	93.778 - Medical Assistance Program (Medicaid: Title XIX)
Federal Award Number:	1805GA5MAP (Year: 2018), 1905GA5MAP (Year: 2019)
Questioned Costs:	\$74,966

The Department of Community Health (DCH) made improper payments to Medicaid providers after beneficiaries' deaths.

Background Information:

The DCH administers the State's Medicaid program that provides payments for medical assistance to low-income individuals. Medicaid is Georgia's largest public assistance program with expenditures of federal and state funds totaling \$10.8 billion for fiscal year 2019. The program accounts for more than one-third of the State's total federal award expenditures.

The Social Security Administration (SSA) maintains the national record of death information called the Death Master File (DMF). The DMF is provided to States via a data exchange agreement. The DMF interfaces with the Georgia Medicaid Management Information System (GAMMIS) to update the beneficiary profiles. Additionally, the State Office of Vital Records submits an electronic file updated with the date of death that also interfaces with GAMMIS. The DCH has a process in place to identify when a beneficiary's profile is updated with the date of death and to reverse payments to managed-care organizations for claims made after the beneficiary's death.

Criteria:

As a recipient of federal awards, DCH is required to establish and maintain effective internal control over federal awards that provides reasonable assurance of managing the federal awards in compliance with federal statutes, regulations, and the terms and conditions of the federal awards pursuant to Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance), Section 200.303 – Internal Controls.

Additionally, the Uniform Guidance, Section 200.53 - Improper payments states: *Improper payment* means any payment that should not have been made or that was made in an incorrect amount (including overpayments and underpayments) under statutory, contractual, administrative, or other legally applicable requirements. An *improper payment* includes any payment to an ineligible party, any payment for an ineligible good or service, any duplicate payment, any payment for a good or service not received (except for such payments where authorized by law), any payment that does not account for credit for applicable discounts, and any payment where insufficient or lack of documentation prevents a reviewer from discerning whether a payment was proper.

Pursuant to Title 42 CFR Part 433, *State Fiscal Administration, Subpart F – Refunding of Federal Share of Medicaid Overpayments to Providers* Section 433.304, an overpayment means the amount paid by a Medicaid agency to a provider which is in excess of the amount that is allowable for services furnished. Because medically necessary services cannot be provided after a beneficiaries' death, no medical services are allowable after a beneficiaries' death and any payment to a provider would result in an overpayment.

Condition:

Our audit of the Medicaid program revealed improper payments to Medicaid providers after beneficiaries' deaths. Using computer-assisted auditing techniques we compared the DMF to claims made after the date of death during the fiscal year. We identified a total of 1,295 claims that were paid to providers for 426 members after the date of death. We used a nonstatistical sampling method to select a random sample of 60 claims from this population and tested the sample along with 5 individually significant items to determine if the claims were for services provided before the date of death. We found that DCH made payments to providers for 50 Medicaid claims with service dates after the date of death resulting in overpayments.

Questioned Costs:

Known questioned costs of \$74,966 was identified for benefit payments to providers for the 50 Medicaid claims with service dates after beneficiaries' deaths. The Federal and State share of known questioned costs is approximately \$50,837 and \$24,129, respectively. Using the total population amount of \$121,313, we project the likely questioned costs to be approximately \$112,835. The Federal and State share of likely questioned costs is approximately \$76,462 and \$36,373, respectively. The projected likely questioned cost is based on the testing of the sample of 60 Medicaid benefit claims.

Cause:

Although DCH has a process in place for identifying when GAMMIS is updated for a beneficiary's date of death and adjusting or voiding payments to managed-care organizations, the process does not address fee-for-service payments to providers for all claims made after the date of death to ensure that all overpayments were recovered.

Effect:

The improper Medicaid payments resulted in noncompliance with federal regulations and questioned costs. Weaknesses in controls over Medicaid payments also increase the risk of improper payments due to error or fraud that may need further investigation. In addition, grant provisions allow the grantor to penalize DCH for noncompliance by suspending or terminating the award or withholding future awards.

Recommendation:

The DCH management should strengthen internal controls over Medicaid benefit payments to providers to ensure improper Medicaid benefit payments are not made after beneficiaries' deaths. The DCH should incorporate procedures in its current process that address fee-for-service payments to providers for claims made after the date of death. Additionally, DCH should investigate and recover funds for all overpayments and if necessary, refer to the Georgia Medicaid Fraud Control Unit for further investigation into any potential provider fraud or abuse.

The DCH should also consult with the grantor to discuss whether questioned costs identified in the audit should be repaid.

Views of Responsible Officials:

The Department (DCH) concurs with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (*continued*)

STATE ENTITY: DEPARTMENT OF COMMUNITY HEALTH (*continued*)

2019-023 Improve Controls over Medicaid Capitation Payments

Compliance Requirement:	Activities Allowed or Unallowed Allowable Costs/Cost Principles
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Number and Title:	93.778 - Medical Assistance Program (Medicaid: Title XIX)
Federal Award Number:	1805GA5MAP (Year: 2018), 1905GA5MAP (Year: 2019)
Questioned Costs:	\$27,439

The Department of Community Health (DCH) made improper capitation payments for Medicaid Managed Care members with Medicare insurance coverage.

Background Information:

The DCH administers the State’s Medicaid program that provides payments for medical assistance to low-income individuals. Medicaid is Georgia’s largest public assistance program with expenditures of federal and state funds totaling \$10.8 billion for fiscal year 2019. The program accounts for more than one-third of the State’s total federal award expenditures.

The DCH, the State’s Medicaid agency, administers Georgia’s managed-care program. The program is a partnership between DCH and private care management organizations (CMOs). The State pays a monthly fixed rate per person (capitation rate) without regard to the actual medical services utilized to cover the costs of Medicaid claims. Managed care is a prepaid, comprehensive system of medical and health care delivery, including preventive, primary, specialty and ancillary health care services. The program is designed to reduce the cost of providing health benefits, improve the quality of care and deliver health care to clients. Capitation payments for the year totaled \$4.5 billion (federal and state).

According to DCH’s state plan, Medicare recipients should not be enrolled in managed care, and any monthly premium payments made for Medicare recipients are unallowable.

Criteria:

As a recipient of federal awards, DCH is required to establish and maintain effective internal control over federal awards that provides reasonable assurance of managing the federal awards in compliance with federal statutes, regulations, and the terms and conditions of the federal awards pursuant to Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance) Section 200.303 – Internal Controls.

Additionally, the Uniform Guidance, Section 200.53 - Improper payments states: *Improper payment* means any payment that should not have been made or that was made in an incorrect amount (including overpayments and underpayments) under statutory, contractual, administrative, or other legally applicable requirements; and *improper payments* includes any payment to an ineligible party, any payment for an ineligible good or service, any duplicate payment, any payment for a good or service not received (except for such payments where authorized by law), any payment that does not account for credit for applicable discounts, and any payment where insufficient or lack of documentation prevents a reviewer from discerning whether a payment was proper.

Title 42 CFR Chapter 7, *Social Security, Subchapter XIX – Grants to States for Medical Assistance Program, 1396u-2 – Provisions relating to managed care*, states in part: a state may not require under paragraph (1) the enrollment in a managed care entity of an individual who is a qualified Medicare beneficiary (as defined in section 1396d(p)(1) of this title) or an individual otherwise eligible for benefits under subchapter XVIII.

Condition:

Our audit of the Medicaid program revealed deficiencies in the capitation payments paid to CMOs for Managed Care members with Medicare insurance coverage. We obtained Medicare coverage information from the DCH for all Medicaid-eligible members.

Using computer-assisted auditing techniques, we identified a total of 4,730 potential capitation payments made on behalf of 1,065 members who had Medicare coverage during the same month as their monthly managed care capitation payment. From this population, we tested a random sample of 60 capitation payments to determine if the DCH made monthly managed-care premium payments for the members during the same time period the member's Medicare coverage was effective.

We found that DCH made improper payments to CMOs for 6 of 60 capitation payments tested. Additionally, for the remaining 54 payments, a retroactive Medicare effective date was issued, which was during the time period that managed care payments were made; however, none of these were paid after the date in which Medicare notified the DCH of the retroactive effective date.

Questioned Costs:

Known questioned costs of \$27,439 were identified for the 6 capitation payments to CMOs that were during the same time the Managed Care member was enrolled in Medicare. The Federal and State share of known questioned cost is approximately \$18,624 and \$8,815, respectively. Using the total population amount of \$2,259,112, we project the likely questioned cost to be approximately \$368,903. The Federal and State share of likely questioned cost is approximately \$251,905 and \$116,998, respectively. The projected likely questioned cost is based on the testing of the sample of 60 capitation payments that were selected using a nonstatistical sampling method.

Cause:

While the DCH has automated processes in place in the Georgia Medicaid Management Information System to prevent payments to managed-care organizations for members with Medicare coverage, the processes did not detect all members who are retroactively enrolled in Medicare and thus no recoupment of payments was performed.

The DCH management was also unaware of the eligibility requirements regarding one of the State's CMO's and did not set system exceptions to run for further investigation.

Effect:

The improper capitation payments resulted in noncompliance with federal regulations and questioned costs. Duplicate payments could occur for an ineligible recipient that are unallowable and cannot be claimed for federal reimbursement. In addition, grant provisions allow the grantor to penalize DCH for noncompliance by suspending or terminating the award or withholding future awards.

Recommendation:

The DCH management should strengthen internal controls over capitation payments to CMOs for Managed Care members to ensure improper capitation payments are not made to CMOs for members with Medicare insurance coverage. In addition, DCH management should review the eligibility criteria for each CMO to ensure the guidelines are understood and used in setting system exception reports.

The DCH should also consult with the U.S. Department of Health and Human Services regarding whether recoupment of overpayments made to managed-care organizations for members who are retroactively enrolled in Medicare is required and whether the questioned costs identified in the audit should be repaid.

Views of Responsible Officials:

We concur with the finding

This corrective action plan addresses the findings regarding the six (6) capitation payments reviewed. As it relates to the remaining findings regarding retroactive eligibility for Medicare beneficiaries, the Department (“DCH”) has not received a response from CMS addressing the potential recovery of CMO capitation payments for individuals deemed eligible for Medicare retroactively. Accordingly, the issue regarding retroactive eligibility for Medicare beneficiaries will not be addressed in this corrective action plan.

FEDERAL AGENCY: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (*continued*)

STATE ENTITY: DEPARTMENT OF COMMUNITY HEALTH (*continued*)

2019-024 Continue to Strengthen Application Risk Management Program

Compliance Requirement:	Special Tests and Provisions
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Number and Title:	93.778 - Medical Assistance Program (Medicaid: Title XIX)
Federal Award Number:	1905GA5MAP (Year: 2019), 1905GA5ADM (Year: 2019), 1805GA5MAP (Year: 2018), 1805GA5ADM (Year: 2018)
Questioned Costs:	None Identified
Repeat of Prior Year Finding:	2018-026, 2017-037, 2016-044

The Department of Community Health (DCH) should continue to strengthen controls over its application risk management program.

Background Information:

The DCH relies extensively on automated data processing controls contained within computer systems and business processes of various third-party vendors to process payment claims for the Medicaid program. Internal controls over services provided by vendors and their related computer systems and business processes are essential for ensuring the security, confidentiality, availability, reliability and integrity of Medicaid payment data.

As part of our fiscal year 2019 audit, we followed up on DCH's efforts to implement corrective action plans in response to the prior year findings in which we reported that DCH did not have adequate controls in place over its application risk management program related to the claims and payment processing of Medicaid benefits. Although DCH has not fully implemented all its corrective action plans, we noted that ongoing efforts are being made.

Criteria:

Pursuant to the *Official Code of Georgia Annotated* (OCGA) §50-25-4(a)(20), the Georgia Technology Authority (GTA) is to establish technology security policies, standards, and services to be used by all agencies. The DCH is responsible for establishing and maintaining an IT risk management program as required by the following GTA policies and standards related to assessing and managing IT risks:

- Information Security Risk Management Policy (PS-08-031) – Each agency shall institute an organization-wide risk management approach to information security that assesses the risks (including the magnitude of harm that could result from the unauthorized access, use, disclosure, disruption, modification, or destruction) to information and systems.
- Risk Management Framework Standard (SS-08-041) – To adopt and implement a risk based approach to information security and shall use the National Institute of Standards and Technology (NIST) risk management framework.
- Security Controls Reviews and Assessments Policy (PS-08.029.01) – To establish requirements for agencies to assess security controls for IT systems.

- Outsourced IT Services and Third-Party Interconnections Standard (SS-08-044.01) – To establish requirements for agencies to ensure adherence to established security requirements by third-party IT service providers and/or interconnections.
- Information Security Control Policy (PS-17-001) – To improve how security controls are managed within the State’s shared-service environment and third-party service providers.
- Information Security Control Standard (SS-17-001) – Agencies, Third-Party Service Providers, and Service Integrators operating in a shared-service environment are responsible for ensuring that applicable NIST 800-53 (rev. 4) security controls are implemented and operated effectively.

Further, DCH is required to conduct periodic risk analyses to ensure that appropriate, cost effective safeguards are incorporated into new and existing systems when significant system changes occur. The DCH is also responsible for establishing and maintaining a system security plan and performing biennial system reviews involved in the administration of U.S. Department of Health and Human Services programs (Title 45 *Code of Federal Regulations* (CFR) section 95.621).

An effective risk management program should also include elements listed below in order to reduce the risk of error, misuse, or fraud:

1. Policies and procedures designed to address security of the physical location of resources, equipment, software and data, telecommunications, and personnel;
2. Disaster recovery and business contingency plans;
3. Emergency preparedness; and
4. Review and monitor complimentary user entity controls as defined by service organizations.

Additionally, the Uniform Guidance (Title 2 CFR 200.303 Subpart D) prescribes requirements for recipients of federal awards to establish and maintain an effective system of internal control over federal awards that provides reasonable assurance that the federal awards are managed in compliance with federal statutes, regulations, and the terms and conditions of the federal awards.

Condition:

Our review of DCH’s risk management program related to automated data processing systems revealed the deficiencies described below.

Risk Analysis:

We noted risk was assessed for the Medicaid Management Information System (MMIS); however, a formal risk analysis process has not been established and does not include all data processing systems for the Medicaid program.

System Security Reviews:

On an annual basis, DCH obtains System and Organizational Controls Type II reports to review the operating effectiveness of the controls in place at various service organizations. Based on work performed, we noted DCH has not completed an assessment of controls in place at the service organization and the complimentary user entity controls expected to be established at DCH. This assessment is designed to determine whether controls are in place, operating effectively, and successfully mitigating DCH’s risks.

In addition, DCH has completed an annual independent security controls assessment of MMIS and has also performed direct audits of its vendors and business associates to ensure their compliance with contractual obligations. However, these initiatives are centered only on MMIS and should be expanded to include all relevant data processing applications for the Medicaid program.

Systems Security Plans:

The DCH does not have a formal documented system security plan for the automated data processing systems used to process claims and payments of Medicaid benefits.

Policies and Procedures:

Formal information security policies and standard operating procedures have not been developed to protect the entity's information assets and computing infrastructure.

Cause:

The DCH has previously identified the need to develop and implement comprehensive organization-wide policies and procedures, formally document its risk analysis program, and develop and document formal Information System Security Plans for all major information systems in accordance with the Federal Information Security Management Act and based on guidelines and standards published by NIST. The DCH did not have sufficient security budget funding and resources needed in order to address these deficiencies in a timely manner.

Effect:

The lack of a formal IT risk management program results in noncompliance with the applicable State and federal requirements and exposes DCH to unnecessary risk of error, misuse, fraud, or loss of data from both internal and external forces which could impact the integrity and reliability of data used for the claims and payment processing of Medicaid benefits.

Recommendation:

The DCH should continue to allocate necessary resources and processes to implement a formal risk management program to allow management to gain reasonable assurance DCH will achieve its objectives in complying with operational, financial reporting, and compliance requirements. An effective risk management program should, at a minimum, address Risk Analysis, System Security Reviews, System Security Plans, and Information Security Policies and Procedures.

Views of Responsible Officials:

The Department (DCH) concurs with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (*continued*)

STATE ENTITY: DEPARTMENT OF COMMUNITY HEALTH (*continued*)

2019-025 Improve Controls over Inpatient Medicaid Payments

Compliance Requirement:	Special Tests and Provisions
Internal Control Impact:	Significant Deficiencies
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Number and Title:	93.778 - Medical Assistance Program (Medicaid: Title XIX)
Federal Award Number:	1805GA5MAP (Year: 2018), 1905GA5MAP (Year: 2019)
Questioned Costs:	None Identified

The Department of Community Health (DCH) does not have adequate controls in place to ensure the required inpatient hospital field audits and desk reviews are performed in accordance with the State Plan.

Background Information:

The DCH is responsible for administering the Medicaid program under the State Plan approved by the federal Centers for Medicare & Medicaid Services (CMS). The State Plan is a comprehensive written statement describing the nature, scope, and basic requirements for the Medicaid program. At any time, DCH can propose changes to the State Plan by submitting a State Plan Amendment to CMS.

As part of the State Plan, DCH is responsible for establishing standards and methodologies for reimbursing inpatient hospital providers based on payment rates that represent the cost to efficiently and economically operate such facilities and provide services to Medicaid beneficiaries. The DCH requires all inpatient hospital providers to submit an annual cost report summarizing cost and patient day information for the reporting year. These cost reports may be used to establish payment rates. A total of 154 cost reports were submitted by the inpatient hospital providers during the year.

For fiscal year 2019, inpatient Medicaid payments totaled approximately \$1.2 billion of the \$10.8 billion total Medicaid expenditures.

Criteria:

As a recipient of Federal awards, DCH is required to establish and maintain effective internal control over federal awards that provides responsible assurance that it is managing federal awards in compliance with federal statutes, regulations, and the terms and conditions of the federal awards pursuant to Title 2 CFR 200.303, Subpart D of the Uniform Guidance.

Pursuant to 42 CFR section 447.253(g), DCH is required to perform periodic audits of financial and statistical records of participating inpatient hospitals in accordance with the audit requirements specified in the State Plan. These audits are crucial to ensuring the established payment rates are proper.

The Georgia Medicaid State Plan, Section 1C, Attachment 4.19A-*Methods and Standards for Establishing Payment Rates Inpatient Services* requires DCH to contract annually for the performance of desk reviews and field audits.

Condition:

Field audits of participating inpatient hospital providers were not performed as required by the State Plan. While the DCH does have a multi-year contract with a third-party vendor to perform desk reviews on the cost reports submitted, the contract states that a field audit is only completed if determined necessary by the desk review and approved by DCH. This does not comply with the State Plan requirement for the annual performance of field audits in accordance with generally accepted auditing standards.

Additionally, the annual desk reviews required by the State Plan were not performed timely. The reviews of eight of the 154 cost reports that were submitted by inpatient hospital providers were not completed by the end of fiscal year 2019.

Cause:

The DCH had turnover in management personnel and does not have procedures in place to ensure that field audits are performed in accordance with the State Plan and desk reviews are conducted timely.

Effect:

Since unaudited cost reports may be used as the basis to establish reimbursement rates, the rates used may contain errors which could result in improper payments. In addition, grant provisions allow the grantor to penalize the DCH for noncompliance by suspending or terminating the award or withholding future awards. This may prevent inpatient hospital providers from receiving benefit payments.

Recommendation:

The DCH management should improve controls over inpatient Medicaid payments by establishing procedures to ensure the required fields audits are performed in accordance with the current State Plan and the desk reviews are performed timely.

Views of Responsible Officials:

Although the Department of Community Health (“DCH”) officially concurs with the finding, it would like to provide the following clarification. The state plan requires DCH to perform desk reviews and field audits in accordance with generally accepted auditing standards of the AICPA. DCH contracts with a third-party vendor to perform desk reviews and field audits of hospital cost reports. Based upon the results of the desk reviews, the third-party vendor will conduct additional audit work to include focus reviews and/or field audits. Although the Department concurs with this finding, the results of this year’s desk reviews did not warrant any field audits for the state fiscal year reviewed.

In reference to timeliness, DCH Leadership granted an extension for completion of desk reviews by the third-party vendor. While the state plan does not address a deadline for a completion of the desk reviews, DCH Leadership does have leeway to grant extensions if needed.

FEDERAL AGENCY: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (*continued*)

STATE ENTITY: DEPARTMENT OF HUMAN SERVICES

2019-026 Strengthen Logical Access Controls

Compliance Requirement:	Eligibility
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Number and Title:	93.575 - Child Care and Development Block Grant 93.596 - Child Care Mandatory and Matching Funds of the Child Care and Development Fund 93.778 - Medical Assistance Program (Medicaid: Title XIX)
Federal Award Number:	G996005 (Year: 2018), G999004 (Year: 2019), G999005 (Year: 2019), 1805GA5MAP (Year: 2018), 1905GA5MAP (Year: 2019)
Questioned Costs:	None Identified

Strengthen logical access controls over the Georgia Gateway system.

Background Information:

See Financial Statement Finding 2019-008.

Criteria:

See Financial Statement Finding 2019-008.

Condition:

See Financial Statement Finding 2019-008.

Cause:

See Financial Statement Finding 2019-008.

Effect:

See Financial Statement Finding 2019-008.

Recommendation:

See Financial Statement Finding 2019-008.

Views of Responsible Officials:

DHS concurs with this finding.

FEDERAL AGENCY: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES (*continued*)

STATE ENTITY: DEPARTMENT OF COMMUNITY HEALTH &
STATE ENTITY: DEPARTMENT OF HUMAN SERVICES

2019-027 Improve Controls over Medicaid Eligibility Determinations

Compliance Requirement:	Eligibility
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Number and Title:	93.778 - Medical Assistance Program (Medicaid: Title XIX)
Federal Award Number:	1805GA5MAP (Year: 2018), 1905GA5MAP (Year: 2019)
Questioned Costs:	\$4,524,068
Repeat of Prior Year Finding:	2018-029

The Medicaid eligibility process for Supplemental Security Income (SSI) Ex Parte members does not have adequate controls in place to ensure the required continuing eligibility determinations are performed.

Background Information:

The Department of Community Health (DCH) administers the State's Medicaid program that provides payments for medical assistance to low-income individuals. Medicaid is Georgia's largest public assistance program with federal expenditures totaling \$7.8 billion for fiscal year 2019. The program accounts for more than one-third of the State's total federal award expenditures.

Eligibility for the Medicaid program is determined by the Division of Family and Children Services (DFCS), a division within the Department of Human Services (DHS), which has offices in each of the 159 counties in the State of Georgia. During fiscal year 2019, DCH paid Medicaid benefits totaling \$66,446,724 for approximately 21,000 SSI Ex Parte members. Individuals who are eligible for SSI are also eligible for the Medicaid benefits, and those whose SSI benefits are terminated or denied by the Social Security Administration are SSI Ex Parte members for the Medicaid program. For those members, DCH makes temporary determinations of continued eligibility under a new Ex Parte Medicaid Class of Assistance in the Georgia Medicaid Management Information System (GAMMIS).

The DFCS is responsible for performing a Continuing Medicaid Determination (CMD) for each new SSI Ex Parte member. The DFCS uses the daily Ex Parte Determination Reports generated by GAMMIS to identify the new SSI Ex Parte members that require a CMD. GAMMIS also generates monthly Ex Parte Non-Confirmation Reports, which identify all entries from the Ex Parte Determination Reports that are over 30-days old and have not yet been acted upon.

When a CMD is complete, DFCS enters the individual in the Georgia Gateway eligibility system and an approval or denial notice is generated. GAMMIS is updated through the Georgia Gateway interface when eligibility for a member is approved. When eligibility is denied, DFCS sends the denial notice to DCH which triggers the removal of the denied member from GAMMIS.

Criteria:

As recipients of federal awards, both DCH and DHS are required to establish and maintain effective internal control over federal awards that provides reasonable assurance of managing the federal awards in compliance with federal statutes, regulations, and the terms and conditions of the federal awards pursuant

to Title 2 CFR 200.303, Subpart D of the Uniform Guidance. The eligibility determination requirements for SSI Ex Parte members are addressed in Chapter 2700, Section 50 - DCH Reports - Ex Parte Lists of the DHS Medicaid Manual. In accordance with Section 50 of the Medicaid Manual, DFCS is required to perform eligibility determinations of those members whose SSI benefits are terminated or denied.

Condition:

Our audit of the Medicaid program revealed deficiencies in the performance of eligibility determinations for SSI Ex Parte members. We found that DFCS did not perform eligibility determinations for 42 of 60 SSI Ex Parte members tested.

In addition, we noted that DCH did not monitor the status of the eligibility determinations for SSI Ex Parte members in GAMMIS.

Questioned Costs:

Known questioned costs of \$4,524,068 was identified for benefit payments to the 42 SSI Ex Parte members whose eligibility was not adequately redetermined. The Federal and State share of known questioned costs is approximately \$3,068,991 and \$1,455,077, respectively.

Using the total SSI Ex Parte population amount of \$66,446,724, we project the likely questioned cost to be approximately \$52,377,717. The projected likely questioned cost is based on the testing of the sample of 60 SSI Ex Parte members. The Federal and State share of likely questioned costs is approximately \$35,560,414 and \$16,817,303, respectively.

Cause:

The DFCS offices have procedures in place for reviewing eligibility documentation; however, the operation of those procedures did not ensure the required eligibility determinations were made on all SSI Ex Parte members. Additionally, the DCH did not have a process in place to monitor and follow-up on the status of eligibility determinations for the SSI Ex Parte members.

Effect:

The deficiencies in eligibility resulted in noncompliance with federal regulations and questioned costs. In addition, grant provisions allow the grantor to penalize DCH for noncompliance by suspending or terminating the award or withholding future awards. This may prevent eligible individuals from receiving benefits.

Recommendation:

The DHS management should strengthen internal controls over eligibility determinations for SSI Ex Parte members to ensure its policies and procedures are consistently enforced and operating effectively. Specifically, management should incorporate additional oversight and perform thorough reviews of the DFCS eligibility determinations for SSI Ex Parte members to ensure they are being performed as required.

In addition, DCH management should develop and implement policies and procedures to monitor and follow-up on the status of eligibility determinations for SSI Ex Parte members in GAMMIS. Management should also formally document these policies and procedures.

Improved controls will help ensure DCH and DHS achieve their objectives in complying with the Eligibility requirements for the Medicaid program.

Views of Responsible Officials:

We concur with the finding.

The Department (“DCH”) presented its Corrective Action Plan addressing this matter in 2018. Since this time DCH has made progress towards addressing this deficiency. In accordance with the previously submitted corrective action plan, DCH’s employees have consistently participated in regularly scheduled monthly meetings with the DFCS Medicaid Unit in order to monitor the status of the Ex-Parte eligibility determinations. Policies and procedures were developed for training purposes and provided to staff.

The Division of Family and Children Services (DFCS) has successfully trained over 1000 employees on the Ex-Parte process and is diligently working to complete the training of its remaining staff. Training of all identified staff is scheduled to be completed on or before April 30, 2020.

Additionally, DCH, through its fiscal agent, has begun making modifications to the Georgia Medicaid Management Information System (GAMMIS) in order to automate the Ex-Parte Continuing Medicaid Eligibility Determination process.

FEDERAL AGENCY: U.S. DEPARTMENT OF THE INTERIOR

STATE ENTITY: DEPARTMENT OF NATURAL RESOURCES

2019-028 Follow Established Controls over Real Property and Equipment

Compliance Requirement: Real Property and Equipment
Internal Control Impact: Significant Deficiency
Compliance Impact: Nonmaterial Noncompliance
Federal Awarding Agency: U.S. Department of the Interior
Pass-Through Entity: None
CFDA Number and Title: 15.605 Sport Fish Restoration
15.611 Wildlife Restoration and Basic Hunter Education
15.626 Enhanced Hunter Education and Safety
Federal Award Number: F17AF00658 (Year: 2017), F17AF00659 (Year: 2017), F17AF00750 (Year: 2017), F17AF00754 (Year: 2017), F17AF00688 (Year: 2017), F18AF00657 (Year: 2018), F18AF00658 (Year: 2018), F18AF00663 (Year: 2018), F18AF00704 (Year: 2018), F18AF00789 (Year: 2018), F18AF00796 (Year: 2018), F18AF00760 (Year: 2018), F18AF00794 (Year: 2018), F18AF00798 (Year: 2018), F18AF00863 (Year: 2018), F17AF00779 (Year: 2017), F17AF00862 (Year: 2017), F18AF00801 (Year: 2018), F18AF00807 (Year: 2018)
Questioned Costs: None Identified

The Department of Natural Resources (DNR) should follow established controls over Real Property and Equipment.

Background Information:

The DNR administers the Sport Fish Restoration, Wildlife Restoration and Basic Hunter Education, and Enhanced Hunter Education and Safety programs which comprise the Fish and Wildlife Cluster. The federal award expenditures for these programs totaled \$28.3 million for fiscal year 2019.

Criteria:

As a recipient of federal awards, DNR is required to establish and maintain effective internal control over federal awards that provides reasonable assurance that it is managing the federal awards in compliance with federal statutes, regulations, and the terms and conditions of the federal awards pursuant to Title 2 U.S. Code of Federal Regulations (CFR) Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance), Section 200.303 – Internal Controls. In addition, the Uniform Guidance, Section 200.313, requires states to manage and dispose of equipment acquired under a Federal award in accordance with state laws and procedures.

Pursuant to Title 50, Chapter 5B, Article 1 of the *Official Code of Georgia Annotated* (OCGA) § 50-5B-4, State organizations are required to comply with statewide policies, procedures, rules and regulations and to provide information to the state accounting office (SAO) necessary to properly account for and report real property and personal property. Furthermore, the *Capital Asset - General* policy in the Statewide Accounting Policy manual requires State organizations to establish controls to ensure capital assets are properly identified, valued and recorded in asset management records in compliance with State of Georgia policies and laws.

The DNR has established controls over Real Property and Equipment that require the performance of monthly reconciliations between its asset management records and general ledger with a review and approval by the asset manager. For fiscal year 2019, DNR reported a net book value of Real Property and Equipment of \$980.9 million.

Condition:

Our audit of the Fish and Wildlife Cluster revealed deficiencies in the operation of controls over Real Property and Equipment. For the months of March through June 2019, DNR's control for performing capital asset reconciliations as well as having them reviewed and approved monthly did not occur. After a request by the auditor, the reconciliations were prepared and provided in January 2020.

Cause:

The DNR incurred an unexpected turnover in the position that performs the reconciliations which impacted the operation of the monthly capital asset reconciliation and review and approval process.

Effect:

The deficiency in the performance of controls resulted in noncompliance with federal regulations and State statutes and policies. It also increased the risk of errors in the asset management records and the information DNR provides to the grantor and SAO.

Recommendation:

The DNR management should ensure that its established controls for Real Property and Equipment are performed to ensure assets are safeguarded and accurately recorded and reported in accordance with State statutes and policies. In addition, DNR should develop a plan to address the performance of controls when an unexpected turnover occurs.

Views of Responsible Officials:

We concur that as a result of inadequate staffing, operational controls over Real Property and Equipment for the months of March through June 2019 regarding asset reconciliations as well as having them reviewed and approved did not occur.

VARIOUS FEDERAL AGENCIES

STATE ENTITY: UNIVERSITY OF WEST GEORGIA

2019-029 Strengthen Controls over the Awarding Process

Compliance Requirement:	Eligibility
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplement Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program 84.268 – Federal Direct Student Loans Program 93.264 – Nurse Faculty Loan Program
Federal Award Number:	P007A181059 (Year: 2019), P033A181059 (Year: 2019), P063P180095 (Year: 2019), P268K190095 (Year: 2019), E01HP28790-05-00 (Year: 2019)
Questioned Costs:	\$1,524.00

The Institution’s Student Financial Assistance Office improperly determined the Student Financial Assistance award amounts for eligible students.

Criteria:

Provisions included in 34 CFR 668 provide general provisions for administering Student Financial Assistance (SFA) programs and 34 CFR 675, 676, 685, and 690 provide eligibility and other related program requirements that are specific to the Federal Work-Study Program, Federal Supplemental Educational Opportunity Grant (FSEOG) Program, Federal Direct Student Loans Program, and Federal Pell Grant Program, respectively. In addition, provisions included in 42 CFR 57 provide eligibility and other related program requirements that are specific to the Nursing Student Loans Program.

Condition:

A sample of 40 students who received student financial assistance funds was randomly selected for testing using a non-statistical sampling method. Student financial assistance files were reviewed to ensure that financial assistance was properly calculated and disbursed to eligible students. Testing revealed that one student received \$1,524.00 more in Federal Pell Grant funds than they were eligible to receive based upon their enrollment status and Expected Family Contribution (EFC).

Questioned Costs:

Questioned costs of \$1,524.00, with likely questioned costs of \$518,915.92, were identified for the student who received student financial assistance in excess of their eligibility. The following CFDA number is affected by the known and likely questioned costs: 84.063.

Cause:

In discussing this deficiency with management, they stated that the student was awarded aid for the 1819 award year prior to the change of status during the Spring 2019 semester. The student dropped classes at the beginning of the Spring 2019 semester and their Federal Pell Grant award for the 1819 award year was not revised to reflect the effect of the change.

Effect:

This deficiency may expose the Institution to unnecessary financial strains and shortages. The funds disbursed to students in excess of their eligibility must be returned to the U.S. Department of Education. Though the Institution may attempt to collect the funds from individual students affected by the error, these collection efforts could be unsuccessful as the students may no longer attend the Institution and/or fail to repay the funds. Additionally, the Institution was not in compliance with Federal regulations concerning awarding of SFA funds to students.

Recommendation:

The Institution should review its processes and procedures for determining each student's financial aid eligibility. Where vulnerable, the Institution should develop and/or modify its policies and procedures to ensure that correct amounts will be awarded to students in conformity with Federal requirements. Additionally, the Institution should develop and implement a monitoring process to ensure that controls are functioning properly. The Institution should also contact the U.S. Department of Education regarding resolution of this finding.

Views of Responsible Officials:

We concur with this finding.

VARIOUS FEDERAL AGENCIES (continued)

STATE ENTITY: UNIVERSITY OF WEST GEORGIA (continued)

2019-030 Improve Controls over Cost of Attendance Budgets

Compliance Requirement:	Eligibility
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplement Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program 84.268 – Federal Direct Student Loans Program 93.264 – Nurse Faculty Loan Program
Federal Award Number:	P007A181059 (Year: 2019), P033A181059 (Year: 2019), P063P180095 (Year: 2019), P268K190095 (Year: 2019), E01HP28790-05-00 (Year: 2019)
Questioned Cost:	None Identified

The Institution’s Student Financial Aid Office did not document the procedures used to establish Cost of Attendance (COA) budgets.

Criteria:

Provisions included in 34 CFR 668 provide general provisions for administering Student Financial Aid (SFA) programs. In addition, Section 472 of the Higher Education Act of 1965 specifies the components that can be included in COA budgets.

Condition:

Upon review of the Institution’s COA budgets, it was noted that Institution personnel could not provide supporting documentation or explanations for the calculation of the components of the COA budgets, including Books and Supplies, Personal Expenses, Room and Board, Tuition and Fees, Transportation, and Loan Fees.

Cause:

In discussing these deficiencies with management, they stated that supporting documentation for the COA budgets could not be located for review due to turnover within the SFA Office.

Effect:

The Institution was not in compliance with Federal regulations concerning the COA budgets used as the basis for determining SFA eligibility. The COA is the cornerstone of establishing a student’s financial need and sets a limit on the total aid a student may receive. If the estimated costs used for components in the COA budget are unreasonable and do not represent average costs for students at the Institution, a majority of the student population may have been over or under awarded.

Recommendation:

The Institution should reevaluate the components used in the COA budgets and document that these costs represent average costs for students enrolled at the Institution. The Institution should modify its procedures to ensure that any future changes to the COA budgets are reasonable and based on documented average costs for students. The Institution should also contact the U.S. Department of Education regarding resolution of this finding.

Views of Responsible Officials:

We concur with this finding.

VARIOUS FEDERAL AGENCIES (continued)

STATE ENTITY: UNIVERSITY OF WEST GEORGIA (continued)

2019-031 Improve Controls over the Return of Title IV Funds Process

Compliance Requirement:	Special Tests and Provisions
Internal Control Impact:	Significant Deficiency
Compliance Impact:	Nonmaterial Noncompliance
Federal Awarding Agency:	U.S. Department of Education U.S. Department of Health and Human Services
Pass-Through Entity:	None
CFDA Numbers and Titles:	84.007 – Federal Supplement Educational Opportunity Grants 84.033 – Federal Work-Study Program 84.063 – Federal Pell Grant Program 84.268 – Federal Direct Student Loans Program 93.264 – Nurse Faculty Loan Program
Federal Award Number:	P007A181059 (Year: 2019), P033A181059 (Year: 2019), P063P180095 (Year: 2019), P268K190095 (Year: 2019), E01HP28790-05-00 (Year: 2019)
Questioned Costs:	\$879.83

The Institution did not properly perform the refund process to ensure that unearned Title IV funds were returned in a timely manner.

Criteria:

Provisions included in 34 CFR 668.22 provide requirements over the treatment of Title IV funds when a student withdraws. The Institution is required to determine the amount of Title IV funds that the student earned as of the student's withdrawal date when a recipient of Title IV funds withdraws from an institution during a payment period or period of enrollment in which the recipient began attendance. A refund must be returned to Title IV programs when the total amount of the Title IV grant or loan assistance, or both, that the student earned is less than the amount of the Title IV grant or loan assistance that was disbursed to the student as of the withdrawal date.

Condition:

A sample of 40 students who received student financial assistance (SFA) for the Fall 2018 and Spring 2019 semesters and withdrew from the Institution was randomly selected for testing using a non-statistical sampling method. The students' Return of Title IV calculations were reviewed to ensure that the refunds were calculated and returned in the correct amount to the proper funding agency and/or student in a timely manner. The following deficiencies were noted:

- The refund calculation for one student who withdrew during the Fall 2018 semester and four students who withdrew during the Spring 2019 semester was calculated incorrectly due to the use of improper scheduled break days, withdrawal dates, and/or institutional charges. Three students were requested to return \$879.83 less than the required amount to various SFA programs, and two students were requested to return \$5,174.49 more than the required amount to various SFA programs.
- The proration between the school and student portion of the refund was incorrect for two students who withdrew during the Fall 2018 semester and eight students who withdrew during the Spring 2019 semester.

Questioned Costs:

Questioned costs of \$879.83, with likely questioned costs of \$6,433.70, were identified for refunds calculated incorrectly. The following CFDA numbers are affected by the known and likely questioned costs: 84.063 and 84.268.

Cause:

In discussing these deficiencies with management, they stated that they misunderstood the process of prorating the institutional charges when students withdraw. In addition, human errors occurred when entering data into the manual calculations.

Effect:

This deficiency may expose the Institution to unnecessary financial strains and shortages. The school's portion of the refunds that were not calculated correctly must be returned to the U.S. Department of Education. Though the Institution may attempt to collect the funds from individual students affected by the error, these collection efforts could be unsuccessful as the students may no longer attend the Institution and/or fail to repay the funds. Additionally, the Institution was not in compliance with Federal regulations concerning performing Return of Title IV calculations for withdrawn students.

Recommendation:

The Institution should revise and implement procedures to ensure that student financial aid refunds are properly calculated and that unearned funds are correctly returned to the appropriate accounts in a timely manner in accordance with the Higher Education Amendments 1998, Public Law 105-244. The Institution should also contact the U.S. Department of Education regarding resolution of the finding.

Views of Responsible Officials:

We concur with this finding.

Schedule of Expenditures of Federal Awards

The *Schedule of Expenditures of Federal Awards* (Schedule) is presented for purposes of additional analysis as required by the Uniform Guidance. The Schedule provides a summary of the State's federal program expenditures for the fiscal year ended June 30, 2019.

The Schedule presents total federal awards expended for each individual federal program, cluster, and federal awarding agency. The Notes to the Schedule, which are presented on pages C-98 through C-100, describe the significant accounting policies used in preparing the Schedule and other related information.

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
AFRICAN DEVELOPMENT FOUNDATION			
<i>DOD/AEOP UNITE PROGRAM</i>	01.U01	543005-19A29A	ARMY EDUCATIONAL OUTREACH PROGRAM
<i>AEOP BATTELLE EYBERMISSION</i>	01.U02	US001000071 8154	ARMY EDUCATIONAL OUTREACH PROGRAM
TOTAL AFRICAN DEVELOPMENT FOUNDATION			
DEPARTMENT OF AGRICULTURE			
<i>AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH</i>	10.001		PURDUE UNIVERSITY
<i>AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH</i>	10.001		UNIVERSITY OF KENTUCKY
<i>AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH</i>	10.001		
<i>PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE</i>	10.025		
<i>PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE</i>	10.025		STATE OF WASHINGTON
<i>PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE</i>	10.025		
<i>WILDLIFE SERVICES</i>	10.028		TUSKEGEE UNIVERSITY
<i>WILDLIFE SERVICES</i>	10.028		MISSISSIPPI STATE UNIVERSITY
<i>WILDLIFE SERVICES</i>	10.028		
<i>WETLANDS RESERVE PROGRAM</i>	10.072		
<i>VOLUNTARY PUBLIC ACCESS AND HABITAT INCENTIVE PROGRAM</i>	10.093		
<i>MARKET NEWS</i>	10.153		
<i>MARKET PROTECTION AND PROMOTION</i>	10.163		
<i>WHOLESALE FARMERS AND ALTERNATIVE MARKET DEVELOPMENT</i>	10.164		
<i>SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL</i>	10.170		
<i>SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL</i>	10.170		CLEMSON UNIVERSITY
<i>SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL</i>	10.170		GEORGIA PEACH COUNCIL
<i>SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL</i>	10.170		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL</i>	10.170		NORTH CAROLINA STATE UNIVERSITY
<i>TRADE MITIGATION PROGRAM ELIGIBLE RECIPIENT AGENCY OPERATIONAL FUNDS</i>	10.178		
<i>GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS</i>	10.200		SOUTH CAROLINA SEA GRANT CONSORTIUM, INC.
<i>GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS</i>	10.200		UNIVERSITY OF FLORIDA
<i>GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS</i>	10.200		UNIVERSITY OF FLORIDA
<i>GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS</i>	10.200		UNIVERSITY OF FLORIDA
<i>GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS</i>	10.200		UNIVERSITY OF FLORIDA
<i>GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS</i>	10.200		UNIVERSITY OF FLORIDA
<i>GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS</i>	10.200		UNIVERSITY OF FLORIDA
<i>GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS</i>	10.200		UNIVERSITY OF HAWAI'I
<i>GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS</i>	10.200		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
<i>COOPERATIVE FORESTRY RESEARCH</i>	10.202		
<i>PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT</i>	10.203		
<i>PAYMENTS TO 1890 LAND-GRANT COLLEGES AND TUSKEGEE UNIVERSITY</i>	10.205		
<i>ANIMAL HEALTH AND DISEASE RESEARCH</i>	10.207		
<i>HIGHER EDUCATION GRADUATE FELLOWSHIPS GRANT PROGRAM</i>	10.210		
<i>SMALL BUSINESS INNOVATION RESEARCH</i>	10.212		AMERICA'S SMALL BUSINESS DEVELOPMENT CENTERS CANDIDUS, INC.
<i>SMALL BUSINESS INNOVATION RESEARCH</i>	10.212		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION</i>	10.215		
<i>SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION</i>	10.215		
<i>1890 INSTITUTION CAPACITY BUILDING GRANTS</i>	10.216		
<i>BIOTECHNOLOGY RISK ASSESSMENT RESEARCH</i>	10.219		TEXAS A&M AGRILIFE EXTENSION SERVICE
<i>BIOTECHNOLOGY RISK ASSESSMENT RESEARCH</i>	10.219		UNIVERSITY OF MINNESOTA
<i>BIOTECHNOLOGY RISK ASSESSMENT RESEARCH</i>	10.219		
<i>COMMUNITY FOOD PROJECTS</i>	10.225		FOOD BANK OF NORTHEAST GEORGIA
<i>AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS</i>	10.250		CORNELL UNIVERSITY
<i>AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS</i>	10.250		
<i>CONSUMER DATA AND NUTRITION RESEARCH</i>	10.253		TUFTS UNIVERSITY
<i>CONSUMER DATA AND NUTRITION RESEARCH</i>	10.253		
<i>AGRICULTURAL MARKET AND ECONOMIC RESEARCH</i>	10.290		
<i>INTEGRATED PROGRAMS</i>	10.303		CLEMSON UNIVERSITY

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
543005-19A29A 2085-48		\$631	\$631	N/A	\$0
US0010000718154		\$20,733	\$20,733	N/A	\$0
		<u>\$21,364</u>			
F9001994502008		\$60,831	\$2,131,112	RESEARCH AND DEVELOPMENT	\$1,033,282,522
304811160019217		\$38,729	\$2,131,112	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$2,031,552	\$2,131,112	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$921,076	\$1,500,328	N/A	\$0
BARGERON		\$7,621	\$1,500,328	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$571,631	\$1,500,328	RESEARCH AND DEVELOPMENT	\$1,033,282,522
39-32650-071-76190		\$24,182	\$462,261	N/A	\$0
08030033066201		\$6,479	\$462,261	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$431,600	\$462,261	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$59,817	\$59,817	N/A	\$0
		\$292,862	\$292,862	N/A	\$0
		\$129	\$129	N/A	\$0
		\$35,401	\$35,401	N/A	\$0
	\$53,304	\$67,183	\$67,183	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$258,334	\$875,948	\$941,129	N/A	\$0
19432052011936		\$19,283	\$941,129	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5742901		\$19,958	\$941,129	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AM170100XXXXG018		\$18,530	\$941,129	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5724101		\$7,410	\$941,129	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$295,476	\$18,726,145	\$18,726,145	N/A	\$0
20143850022308		\$30,349	\$135,741	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1800574474		\$3,632	\$135,741	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1800574484		\$518	\$135,741	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1800597518		\$939	\$135,741	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AWD00009119		\$7,751	\$135,741	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO 1800575090		\$1,326	\$135,741	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO1800632826		\$2,281	\$135,741	RESEARCH AND DEVELOPMENT	\$1,033,282,522
MA1328		\$13,442	\$135,741	RESEARCH AND DEVELOPMENT	\$1,033,282,522
42255919105		\$75,503	\$135,741	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,168,476	\$1,168,476	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$5,645,259	\$5,645,259	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$7,296	\$3,395,883	\$3,395,883	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$70,014	\$70,014	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$123,742	\$123,742	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGMT EXEC 12/15/17		\$21,960	\$96,367	N/A	\$0
HAIDEKKER		\$74,407	\$96,367	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-1		\$12,307	\$4,671,633	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,932,645	\$4,659,326	\$4,671,633	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,634	\$199,066	\$199,066	RESEARCH AND DEVELOPMENT	\$1,033,282,522
M1800644		\$17,125	\$320,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
H005031601		\$158,153	\$320,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$15,732	\$145,387	\$320,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2014001		\$11,701	\$11,701	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7786710657		\$4,040	\$26,758	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,453	\$22,718	\$26,758	RESEARCH AND DEVELOPMENT	\$1,033,282,522
10138300001-POEP0163046		\$11,047	\$60,053	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$49,006	\$60,053	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$63,415	\$63,415	RESEARCH AND DEVELOPMENT	\$1,033,282,522
18812072011599		\$21,170	\$157,040	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
INTEGRATED PROGRAMS	10.303		
<i>HOMELAND SECURITY AGRICULTURAL</i>	10.304		UNIVERSITY OF FLORIDA
HOMELAND SECURITY AGRICULTURAL	10.304		
<i>ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE</i>	10.307		CLEMSON UNIVERSITY
<i>ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE</i>	10.307		UNIVERSITY OF FLORIDA
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307		
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		CORNELL UNIVERSITY
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		KANSAS STATE UNIVERSITY
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		MICHIGAN STATE UNIVERSITY
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		MICHIGAN STATE UNIVERSITY
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		NEW MEXICO STATE UNIVERSITY
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		NORTH CAROLINA STATE UNIVERSITY
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		NORTH CAROLINA STATE UNIVERSITY
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		TEXAS A&M AGRILIFE EXTENSION SERVICE
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		TEXAS A&M UNIVERSITY
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		TEXAS A&M UNIVERSITY
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		UNIVERSITY OF FLORIDA
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		UNIVERSITY OF FLORIDA
<i>SPECIALTY CROP RESEARCH INITIATIVE</i>	10.309		WASHINGTON STATE UNIVERSITY
SPECIALTY CROP RESEARCH INITIATIVE	10.309		
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		AUBURN UNIVERSITY
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		ILLINOIS INSTITUTE OF TECHNOLOGY
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		LOUISIANA STATE UNIVERSITY
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		MICHIGAN STATE UNIVERSITY
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		NORTH CAROLINA STATE UNIVERSITY
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		OHIO STATE UNIVERSITY
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		PENNSYLVANIA STATE UNIVERSITY
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		PURDUE UNIVERSITY
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		U.S. ENDOWMENT FOR FORESTRY AND COMMUNITIES, INC.
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF CALIFORNIA, DAVIS
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF FLORIDA
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF FLORIDA
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF FLORIDA
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF FLORIDA
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF FLORIDA
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF FLORIDA
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF ILLINOIS
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF MARYLAND
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF MICHIGAN
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF MINNESOTA
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF NEBRASKA-LINCOLN
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF RHODE ISLAND
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF TENNESSEE
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UNIVERSITY OF TENNESSEE
<i>AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)</i>	10.310		UTAH STATE UNIVERSITY
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		
<i>BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM</i>	10.311		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
<i>SUN GRANT PROGRAM</i>	10.320		UNIVERSITY OF TENNESSEE
<i>SUN GRANT PROGRAM</i>	10.320		UNIVERSITY OF TENNESSEE
<i>CAPACITY BUILDING FOR NON-LAND GRANT COLLEGES OF AGRICULTURE (NLGCA)</i>	10.326		MISSOURI STATE UNIVERSITY
<i>NATIONAL FOOD SAFETY TRAINING, EDUCATION, EXTENSION, OUTREACH, AND TECHNICAL ASSISTANCE COMPETITIVE GRANTS PROGRAM</i>	10.328		ALABAMA A&M UNIVERSITY
<i>NATIONAL FOOD SAFETY TRAINING, EDUCATION, EXTENSION, OUTREACH, AND TECHNICAL ASSISTANCE COMPETITIVE GRANTS PROGRAM</i>	10.328		UNIVERSITY OF FLORIDA
<i>NATIONAL FOOD SAFETY TRAINING, EDUCATION, EXTENSION, OUTREACH, AND TECHNICAL ASSISTANCE COMPETITIVE GRANTS PROGRAM</i>	10.328		UNIVERSITY OF FLORIDA
<i>NATIONAL FOOD SAFETY TRAINING, EDUCATION, EXTENSION, OUTREACH, AND TECHNICAL ASSISTANCE COMPETITIVE GRANTS PROGRAM</i>	10.328		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
<i>NATIONAL FOOD SAFETY TRAINING, EDUCATION, EXTENSION, OUTREACH, AND TECHNICAL ASSISTANCE COMPETITIVE GRANTS PROGRAM</i>	10.328		UNIVERSITY OF FLORIDA
<i>CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM</i>	10.329		NORTH CAROLINA STATE UNIVERSITY

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
	\$31,990	\$135,870	\$157,040	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00011545		\$18,971	\$304,115	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$285,144	\$304,115	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2051-207-2012799		\$16,211	\$600,863	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00012045		\$67,434	\$600,863	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$320,428	\$517,218	\$600,863	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7959810783		\$3,848	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S19016		\$38,917	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC105573UGARF		\$30,237	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC107752B		\$45,599	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
Q01893		\$46,248	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2016022803		\$44,337	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2017039805		\$27,294	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
07S170716		\$18,744	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
06M1703439		\$3,945	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
M1900020		\$59,848	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00010607		\$11,050	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00011194		\$269,037	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
133336-G003924		\$2,696	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$211,562	\$900,594	\$1,502,394	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2014-67001-2185		\$500	\$7,148,049	N/A	\$0
17AGR373027UGARF		\$22,712	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SA60501169843		\$34,039	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO-0000037155		\$17,418	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC104967UGA		\$28,399	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2018053002		\$59,818	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
60045862		\$72,695	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5198-UG-USDA-3179		\$34,302	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
8000080954AG		\$14,204	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
E18-16		\$117,574	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
20122309004		\$16,556	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PEND 7/1* UFDSP00012187		\$28,903	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00011707		\$29,711	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00011796		\$220,194	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00011873		\$244,935	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00012103		\$81,734	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
092155-17048		\$41,883	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
304811097714066		\$1,450	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5484325001201		\$14,047	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3004829728		\$42,209	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A005124701		\$75,802	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2562390235314		\$123,620	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO: 0006258/050218		\$4,000	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
8500047012		\$349	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
9500073193		\$444	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
200984420		\$27,678	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$1,068,351	\$5,792,873	\$7,148,049	RESEARCH AND DEVELOPMENT	\$1,033,282,522
54594319864		\$3,670	\$3,670	RESEARCH AND DEVELOPMENT	\$1,033,282,522
9500069679	\$45,821	\$116,159	\$145,963	RESEARCH AND DEVELOPMENT	\$1,033,282,522
9500070415		\$29,804	\$145,963	RESEARCH AND DEVELOPMENT	\$1,033,282,522
16042-001		\$17,802	\$17,802	N/A	\$0
2017-70020-27253-FVSVU		\$715	\$173,618	N/A	\$0
UFDSP00011144		\$8,640	\$173,618	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00012353		\$964	\$173,618	RESEARCH AND DEVELOPMENT	\$1,033,282,522
54595419864		\$18,219	\$173,618	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$54,144	\$145,080	\$173,618	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2015008502		\$110,249	\$543,487	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM</i>	10.329		NORTH CAROLINA STATE UNIVERSITY
<i>CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM</i>	10.329		NORTH CAROLINA STATE UNIVERSITY
<i>CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM</i>	10.329		NORTH CAROLINA STATE UNIVERSITY
<i>CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM</i>	10.329		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
<i>CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM</i>	10.329		TEXAS A&M UNIVERSITY
<i>CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM</i>	10.329		TEXAS A&M UNIVERSITY
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329		
<i>ALFALFA AND FORAGE RESEARCH PROGRAM</i>	10.330		MISSISSIPPI STATE UNIVERSITY
<i>ALFALFA AND FORAGE RESEARCH PROGRAM</i>	10.330		MISSISSIPPI STATE UNIVERSITY
ALFALFA AND FORAGE RESEARCH PROGRAM	10.330		
VETERINARY SERVICES GRANT PROGRAM	10.336		
RURAL BUSINESS DEVELOPMENT GRANT	10.351		
FARM OWNERSHIP LOANS	10.407		
OUTREACH AND ASSISTANCE FOR SOCIALLY DISADVANTAGED AND VETERAN FARMERS AND RANCHERS	10.443		
RURAL COMMUNITY DEVELOPMENT INITIATIVE	10.446		
COOPERATIVE AGREEMENTS WITH STATES FOR INTRASTATE MEAT AND POULTRY INSPECTION	10.475		
<i>COOPERATIVE EXTENSION SERVICE</i>	10.500		AUBURN UNIVERSITY
COOPERATIVE EXTENSION SERVICE	10.500		
<i>COOPERATIVE EXTENSION SERVICE</i>	10.500		AUBURN UNIVERSITY
<i>COOPERATIVE EXTENSION SERVICE</i>	10.500		COLORADO STATE UNIVERSITY
<i>COOPERATIVE EXTENSION SERVICE</i>	10.500		KANSAS STATE UNIVERSITY
<i>COOPERATIVE EXTENSION SERVICE</i>	10.500		KANSAS STATE UNIVERSITY
<i>COOPERATIVE EXTENSION SERVICE</i>	10.500		KANSAS STATE UNIVERSITY
<i>COOPERATIVE EXTENSION SERVICE</i>	10.500		PURDUE UNIVERSITY
<i>COOPERATIVE EXTENSION SERVICE</i>	10.500		UNIVERSITY OF ARKANSAS
<i>COOPERATIVE EXTENSION SERVICE</i>	10.500		UNIVERSITY OF MISSOURI
COOPERATIVE EXTENSION SERVICE	10.500		
SMITH-LEVER FUNDING (VARIOUS PROGRAMS)	10.511		
RENEWABLE RESOURCES EXTENSION ACT AND NATIONAL FOCUS FUND PROJECTS	10.515		
CACFP TRAINING GRANTS	10.536		
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM (SNAP) EMPLOYMENT AND TRAINING (E&T) DATA AND TECHNICAL ASSISTANCE GRANTS	10.537		
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.551		
SCHOOL BREAKFAST PROGRAM	10.553		
NATIONAL SCHOOL LUNCH PROGRAM	10.555		
SPECIAL MILK PROGRAM FOR CHILDREN	10.556		
WIC SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN	10.557		
CHILD AND ADULT CARE FOOD PROGRAM	10.558		
SUMMER FOOD SERVICE PROGRAM FOR CHILDREN	10.559		
STATE ADMINISTRATIVE EXPENSES FOR CHILD NUTRITION	10.560		
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.561		
COMMODITY SUPPLEMENTAL FOOD PROGRAM	10.565		
EMERGENCY FOOD ASSISTANCE PROGRAM (ADMINISTRATIVE COSTS)	10.568		
<i>EMERGENCY FOOD ASSISTANCE PROGRAM (FOOD COMMODITIES)</i>	10.569		STEP UP SAVANNAH
EMERGENCY FOOD ASSISTANCE PROGRAM (FOOD COMMODITIES)	10.569		
WIC FARMERS' MARKET NUTRITION PROGRAM (FMNP)	10.572		
FARM TO SCHOOL GRANT PROGRAM	10.575		
SENIOR FARMERS MARKET NUTRITION PROGRAM	10.576		
WIC GRANTS TO STATES (WGS)	10.578		
CHILD NUTRITION DISCRETIONARY GRANTS LIMITED AVAILABILITY	10.579		
FRESH FRUIT AND VEGETABLE PROGRAM	10.582		
PILOT PROJECTS TO REDUCE DEPENDENCY AND INCREASE WORK REQUIREMENTS AND WORK EFFORT UNDER SNAP	10.596		
USDA LOCAL AND REGIONAL FOOD AID PROCUREMENT PROGRAM	10.612		
FORESTRY RESEARCH	10.652		
<i>FORESTRY RESEARCH</i>	10.652		CRADLE OF FORESTRY
<i>FORESTRY RESEARCH</i>	10.652		U.S. ENDOWMENT FOR FORESTRY AND COMMUNITIES, INC.
<i>FORESTRY RESEARCH</i>	10.652		U.S. ENDOWMENT FOR FORESTRY AND COMMUNITIES, INC.

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
2015008538		\$7,434	\$543,487	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2018320001		\$981	\$543,487	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2018320007		\$16,044	\$543,487	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0763		\$5,062	\$543,487	RESEARCH AND DEVELOPMENT	\$1,033,282,522
06S170649		\$11,941	\$543,487	RESEARCH AND DEVELOPMENT	\$1,033,282,522
M1900309		\$9,999	\$543,487	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$42,203	\$381,777	\$543,487	RESEARCH AND DEVELOPMENT	\$1,033,282,522
01110032266002		\$386	\$139,869	RESEARCH AND DEVELOPMENT	\$1,033,282,522
01110032273501		\$49,945	\$139,869	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$69,176	\$89,538	\$139,869	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$35,581	\$35,581	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$430,949	\$430,949	N/A	\$0
		-\$39	-\$39	N/A	\$0
		\$122,111	\$122,111	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$19,199	\$19,199	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$3,149,793	\$3,149,793	N/A	\$0
18-CHS-205205-VSU		\$216,557	\$14,189,737	N/A	\$0
		\$3,259,638	\$14,189,737	N/A	\$0
17HDFS205198UGRF		\$88,423	\$14,189,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
G3833701		\$12,041	\$14,189,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AWD00010214		\$862	\$14,189,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S18053		\$103,582	\$14,189,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S18139		\$21,175	\$14,189,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
F9000837602045		\$156,472	\$14,189,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
31000-04		\$14,718	\$14,189,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
C000593817		\$15,008	\$14,189,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$84,117	\$10,301,261	\$14,189,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,378,564	\$1,378,564	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$8,234	\$8,234	N/A	\$0
		\$1,939	\$1,939	N/A	\$0
		\$6,981	\$6,981	N/A	\$0
		\$2,175,442,881	\$2,175,442,881	SNAP CLUSTER	\$2,269,397,912
	\$197,676,017	\$198,829,543	\$198,829,543	CHILD NUTRITION CLUSTER	\$915,632,147
	\$661,949,264	\$715,826,217	\$715,826,217	CHILD NUTRITION CLUSTER	\$915,632,147
	\$16,193	\$16,193	\$16,193	CHILD NUTRITION CLUSTER	\$915,632,147
	\$51,461,061	\$170,698,547	\$170,698,547	N/A	\$0
	\$7,958,850	\$8,306,465	\$8,306,465	N/A	\$0
	\$733,166	\$960,194	\$960,194	CHILD NUTRITION CLUSTER	\$915,632,147
	\$503,814	\$11,693,098	\$11,693,098	N/A	\$0
	\$8,159,485	\$93,955,031	\$93,955,031	SNAP CLUSTER	\$2,269,397,912
	\$345,962	\$1,710,588	\$1,710,588	FOOD DISTRIBUTION CLUSTER	\$27,315,789
	\$2,656,523	\$2,656,523	\$2,656,523	FOOD DISTRIBUTION CLUSTER	\$27,315,789
00010283		\$10,175	\$22,948,678	FOOD DISTRIBUTION CLUSTER	\$27,315,789
	\$31,513	\$22,938,503	\$22,948,678	FOOD DISTRIBUTION CLUSTER	\$27,315,789
		\$1,787,309	\$1,787,309	N/A	\$0
		\$18,391	\$18,391	N/A	\$0
		\$246,892	\$246,892	N/A	\$0
		\$532,541	\$532,541	N/A	\$0
	\$718,329	\$803,664	\$803,664	N/A	\$0
	\$4,281,775	\$4,281,775	\$4,281,775	N/A	\$0
		\$4,943,517	\$4,943,517	N/A	\$0
	\$790	\$790	\$790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$672,344	\$1,177,987	N/A	\$0
5660601		\$62,517	\$1,177,987	RESEARCH AND DEVELOPMENT	\$1,033,282,522
E1663		-\$1,191	\$1,177,987	RESEARCH AND DEVELOPMENT	\$1,033,282,522
E1671UGACAWES7B		\$17,442	\$1,177,987	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>FORESTRY RESEARCH</i>	10.652		U.S. ENDOWMENT FOR FORESTRY AND COMMUNITIES, INC.
<i>FORESTRY RESEARCH</i>	10.652		U.S. ENDOWMENT FOR FORESTRY AND COMMUNITIES, INC.
FORESTRY RESEARCH	10.652		
COOPERATIVE FORESTRY ASSISTANCE	10.664		
<i>COOPERATIVE FORESTRY ASSISTANCE</i>	10.664		CLARKE COUNTY SCHOOL DISTRICT
<i>COOPERATIVE FORESTRY ASSISTANCE</i>	10.664		STATE OF TENNESSEE
COOPERATIVE FORESTRY ASSISTANCE	10.664		
SCHOOLS AND ROADS - GRANTS TO STATES	10.665		
RURAL DEVELOPMENT, FORESTRY, AND COMMUNITIES	10.672		
<i>WOOD UTILIZATION ASSISTANCE</i>	10.674		U.S. ENDOWMENT FOR FORESTRY AND COMMUNITIES, INC.
WOOD UTILIZATION ASSISTANCE	10.674		
URBAN AND COMMUNITY FORESTRY PROGRAM	10.675		
<i>FOREST LEGACY PROGRAM</i>	10.676		U.S. ENDOWMENT FOR FORESTRY AND COMMUNITIES, INC.
FOREST LEGACY PROGRAM	10.676		
FOREST STEWARDSHIP PROGRAM	10.678		
FOREST STEWARDSHIP PROGRAM	10.678		
FOREST HEALTH PROTECTION	10.680		
<i>FOREST HEALTH PROTECTION</i>	10.680		CALIFORNIA INVASIVE PLANT COUNCIL
FOREST HEALTH PROTECTION	10.680		
NATIONAL FISH AND WILDLIFE FOUNDATION	10.683		
GOOD NEIGHBOR AUTHORITY	10.691		
WATERSHED RESTORATION AND ENHANCEMENT AGREEMENT AUTHORITY	10.693		
PARTNERSHIP AGREEMENTS	10.699		
COMMUNITY FACILITIES LOANS AND GRANTS	10.766		
COMMUNITY FACILITIES LOANS AND GRANTS	10.766		
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777		
DISTANCE LEARNING AND TELEMEDICINE LOANS AND GRANTS	10.855		
RURAL ENERGY FOR AMERICA PROGRAM	10.868		
SOIL AND WATER CONSERVATION	10.902		
<i>SOIL AND WATER CONSERVATION</i>	10.902		JOHNS HOPKINS UNIVERSITY
<i>SOIL AND WATER CONSERVATION</i>	10.902		LONGLEAF ALLIANCE
SOIL AND WATER CONSERVATION	10.902		
SOIL SURVEY	10.903		
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		
<i>ENVIRONMENTAL QUALITY INCENTIVES PROGRAM</i>	10.912		CLEMSON UNIVERSITY
<i>ENVIRONMENTAL QUALITY INCENTIVES PROGRAM</i>	10.912		FLINT RIVER SOIL AND WATER CONSERVATION DISTRICT
<i>ENVIRONMENTAL QUALITY INCENTIVES PROGRAM</i>	10.912		NORTH CAROLINA STATE UNIVERSITY
<i>ENVIRONMENTAL QUALITY INCENTIVES PROGRAM</i>	10.912		NORTH CAROLINA STATE UNIVERSITY
<i>ENVIRONMENTAL QUALITY INCENTIVES PROGRAM</i>	10.912		PHEASANTS FOREVER, INC.
<i>ENVIRONMENTAL QUALITY INCENTIVES PROGRAM</i>	10.912		PHEASANTS FOREVER, INC.
<i>ENVIRONMENTAL QUALITY INCENTIVES PROGRAM</i>	10.912		UNIVERSITY OF WISCONSIN - MADISON
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		
WILDLIFE HABITAT INCENTIVE PROGRAM	10.914		
WATERSHED REHABILITATION PROGRAM	10.916		
SCIENTIFIC COOPERATION AND RESEARCH	10.961		
EFETAC WEBSITE/SOFTWARE SERVICES 2018/2019	10.RD	123456818C0 016	
SOUTHERN PINE HEALTH RESEARCH COOPERATIVE - US FOR	10.RD	1243ZP18P00 36	
STEWARDSHIP OF RARE SPECIES ON THE SAVANNAH RIVER	10.RD	18-CS- 11083601- 002	
GROW IT, KNOW IT TRAINING PROGRAM	10.RD	5789601	
ACQUISITION OF GOODS AND SERVICES	10.RD	5860408021	
<i>WALLACE - HARNESSING ENDOPHYTES TO IMPROVE CROP EF</i>	10.RD	593608	FOUNDATION FOR FOOD AND AGRICULTURE RESEARCH

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
E17-22		\$91,987	\$1,177,987	RESEARCH AND DEVELOPMENT	\$1,033,282,522
E1795		\$25,914	\$1,177,987	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$308,974	\$1,177,987	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$3,578,089	\$3,698,196	N/A	\$0
UGA001		\$8,768	\$3,698,196	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3251016018		\$19,935	\$3,698,196	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$91,404	\$3,698,196	RESEARCH AND DEVELOPMENT	\$1,033,282,522
				FOREST SERVICE SCHOOLS AND ROADS CLUSTER	\$1,239,800
	\$1,239,800	\$1,239,800	\$1,239,800		
		\$7,635	\$7,635	RESEARCH AND DEVELOPMENT	\$1,033,282,522
E19-08		\$9,836	\$71,421	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$61,585	\$71,421	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$50,569	\$50,569	RESEARCH AND DEVELOPMENT	\$1,033,282,522
14-PA-11080105-004		\$13,741	\$6,086,863	N/A	\$0
		\$6,073,122	\$6,086,863	N/A	\$0
		\$428,641	\$504,246	N/A	\$0
		\$75,605	\$504,246	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$238,996	\$474,215	N/A	\$0
CALIPC20170815		\$3,874	\$474,215	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$231,345	\$474,215	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$9,746	\$9,746	N/A	\$0
		\$8,153	\$8,153	N/A	\$0
		\$104,479	\$104,479	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$20,537	\$410,484	\$410,484	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$25,436	\$40,525,436	COMMUNITY FACILITIES LOANS AND GRANTS CLUSTER	\$40,525,436
		\$40,500,000	\$40,525,436	COMMUNITY FACILITIES LOANS AND GRANTS CLUSTER	\$40,525,436
		\$61,840	\$61,840	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$418,639	\$418,639	N/A	\$0
		\$67,582	\$67,582	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$128,225	\$266,652	N/A	\$0
520595110		\$20,625	\$266,652	RESEARCH AND DEVELOPMENT	\$1,033,282,522
32.2019.01.00		\$1,140	\$266,652	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$116,662	\$266,652	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$5,006	\$5,006	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$231,413	\$735,510	N/A	\$0
19802072022261		\$32,412	\$735,510	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5699501		\$97,326	\$735,510	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2014207201		\$27,144	\$735,510	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2015272901		\$50,081	\$735,510	RESEARCH AND DEVELOPMENT	\$1,033,282,522
WLFW 2018-08		\$4,994	\$735,510	RESEARCH AND DEVELOPMENT	\$1,033,282,522
WLFW 2018-10		\$17,579	\$735,510	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0000001127		\$43,971	\$735,510	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$230,590	\$735,510	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$75,364	\$75,364	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$27,500	\$27,500	N/A	\$0
		\$19,237	\$19,237	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$15,236	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$3,580	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$5,751	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$23,207	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$12,963	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522
593608		\$58,410	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
STUDY OF POPULATION RESPONSE OF BOBWHITE TO THE CO	10.RD	9500068554	UNIVERSITY OF TENNESSEE
TECHNO-ECONOMIC ASSESSMENT AND LIFE CYCLE ANALYSIS	10.RD	E1746	U.S. ENDOWMENT FOR FORESTRY AND COMMUNITIES, INC.
INTEGRATING GOPHER TORTOISE RECOVERY	10.RD	LLA201803	LONGLEAF ALLIANCE
CLEAN WATER3 - REDUCE, REMEDIATE, RECYCLE ENHANC	10.RD	SUB00001399	UNIVERSITY OF FLORIDA
TOTAL DEPARTMENT OF AGRICULTURE			
DEPARTMENT OF COMMERCE			
OCEAN EXPLORATION	11.011		MOTE MARINE LABORATORY
OCEAN EXPLORATION	11.011		
INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)	11.012		THE SOUTHEAST COASTAL OCEAN OBSERVING REGIONAL ASSOCIATION
INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)	11.012		THE SOUTHEAST COASTAL OCEAN OBSERVING REGIONAL ASSOCIATION
INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)	11.012		THE SOUTHEAST COASTAL OCEAN OBSERVING REGIONAL ASSOCIATION
INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)	11.012		THE SOUTHEAST COASTAL OCEAN OBSERVING REGIONAL ASSOCIATION
INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)	11.012		THE SOUTHEAST COASTAL OCEAN OBSERVING REGIONAL ASSOCIATION
INTEGRATED OCEAN OBSERVING SYSTEM (IOOS)	11.012		THE SOUTHEAST COASTAL OCEAN OBSERVING REGIONAL ASSOCIATION
CLUSTER GRANTS	11.020		
BIPARTISAN BUDGET ACT OF 2018	11.022		
ECONOMIC DEVELOPMENT TECHNICAL ASSISTANCE	11.303		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
ECONOMIC DEVELOPMENT TECHNICAL ASSISTANCE	11.303		
TRADE ADJUSTMENT ASSISTANCE FOR FIRMS	11.313		
INTERJURISDICTIONAL FISHERIES ACT OF 1986	11.407		
SEA GRANT SUPPORT	11.417		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
SEA GRANT SUPPORT	11.417		NORTH CAROLINA STATE UNIVERSITY
SEA GRANT SUPPORT	11.417		SOUTH CAROLINA SEA GRANT CONSORTIUM, INC.
SEA GRANT SUPPORT	11.417		UNIVERSITY OF FLORIDA
SEA GRANT SUPPORT	11.417		UNIVERSITY OF MISSISSIPPI
SEA GRANT SUPPORT	11.417		
COASTAL ZONE MANAGEMENT ADMINISTRATION AWARDS	11.419		
COASTAL ZONE MANAGEMENT ADMINISTRATION AWARDS	11.419		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
COASTAL ZONE MANAGEMENT ADMINISTRATION AWARDS	11.419		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
COASTAL ZONE MANAGEMENT ADMINISTRATION AWARDS	11.419		UNIVERSITY OF MICHIGAN
COASTAL ZONE MANAGEMENT ESTUARINE RESEARCH RESERVES	11.420		
FISHERIES DEVELOPMENT AND UTILIZATION RESEARCH AND DEVELOPMENT GRANTS AND COOPERATIVE AGREEMENTS PROGRAM	11.427		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
MARINE SANCTUARY PROGRAM	11.429		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
MARINE SANCTUARY PROGRAM	11.429		
CLIMATE AND ATMOSPHERIC RESEARCH	11.431		
MARINE FISHERIES INITIATIVE	11.433		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
COOPERATIVE FISHERY STATISTICS	11.434		
SOUTHEAST AREA MONITORING AND ASSESSMENT PROGRAM	11.435		
MARINE MAMMAL DATA PROGRAM	11.439		
REGIONAL FISHERY MANAGEMENT COUNCILS	11.441		SOUTH ATLANTIC FISHERY MANAGEMENT COUNCIL
WEATHER AND AIR QUALITY RESEARCH	11.459		
APPLIED METEOROLOGICAL RESEARCH	11.468		FLORIDA STATE UNIVERSITY
CONGRESSIONALLY IDENTIFIED AWARDS AND PROJECTS	11.469		CONSORTIUM FOR OCEAN LEADERSHIP
UNALLIED SCIENCE PROGRAM	11.472		
UNALLIED SCIENCE PROGRAM	11.472		MOTE MARINE LABORATORY
OFFICE FOR COASTAL MANAGEMENT	11.473		
ATLANTIC COASTAL FISHERIES COOPERATIVE MANAGEMENT ACT	11.474		
EDUCATIONAL PARTNERSHIP PROGRAM	11.481		UNIVERSITY OF MARYLAND EASTERN SHORE

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
9500068554		\$74,674	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522
E1746		\$67,673	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522
LLA201803		\$36,048	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB00001399		\$10,774	\$308,316	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$943,248,745	\$3,542,298,772			
MML 105-320		\$10,862	\$852,434	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$24,987	\$841,572	\$852,434	RESEARCH AND DEVELOPMENT	\$1,033,282,522
NA16NOS0120028		\$25,938	\$304,116	N/A	\$0
IOOS.16(028)GATECH.FZ.GLD.1		\$45,223	\$304,116	RESEARCH AND DEVELOPMENT	\$1,033,282,522
IOOS.16(028)UGA/SKIO.P#3		\$155,655	\$304,116	RESEARCH AND DEVELOPMENT	\$1,033,282,522
IOOS16028UGASKIOCE		\$45,827	\$304,116	RESEARCH AND DEVELOPMENT	\$1,033,282,522
IOOS16028UGASKIODS		\$27,573	\$304,116	RESEARCH AND DEVELOPMENT	\$1,033,282,522
IOOS16028UGASNOA		\$3,900	\$304,116	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$115,192	\$115,192	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$579,614	\$579,614	N/A	\$0
63828383-2		\$104,823	\$222,796	N/A	\$0
		\$117,973	\$222,796	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$434,303	\$1,196,734	\$1,196,734	N/A	\$0
		\$150,003	\$150,003	N/A	\$0
63828383-3		\$132,057	\$1,903,047	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2016-1997-02		\$20,106	\$1,903,047	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ASE1B		\$3,549	\$1,903,047	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009495		\$34,149	\$1,903,047	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1808010		\$18,333	\$1,903,047	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$104,861	\$1,694,853	\$1,903,047	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$2,450,389	\$2,554,951	N/A	\$0
39G8490		\$16,088	\$2,554,951	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-4		\$50,810	\$2,554,951	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBK00011125	\$25,000	\$37,664	\$2,554,951	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$620,945	\$620,945	N/A	\$0
63828383-5		\$313	\$313	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-6		\$8,484	\$44,003	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$35,519	\$44,003	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$400,950	\$400,950	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-7		\$16,528	\$16,528	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$19,978	\$19,978	N/A	\$0
		\$61,482	\$61,482	N/A	\$0
		\$26,708	\$26,708	N/A	\$0
SA-16-02-GA & SA-17-02-GA		\$69,047	\$69,047	N/A	\$0
		\$52,329	\$52,329	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R01856		\$26,774	\$26,774	RESEARCH AND DEVELOPMENT	\$1,033,282,522
NA07SEC4690001		\$5,962	\$5,962	N/A	\$0
		\$931,539	\$939,378	N/A	\$0
MML175343B	\$7,839	\$7,839	\$939,378	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$131,525	\$131,525	N/A	\$0
		\$728,078	\$728,078	N/A	\$0
NA11SEC4810002		\$207,114	\$207,114	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
STATE AND LOCAL IMPLEMENTATION GRANT PROGRAM	11.549		
<i>MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS</i>	11.609		GENEDGE
<i>MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS</i>	11.609		CALIFORNIA MANUFACTURING TECHNOLOGY CONSULTING
<i>MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS</i>	11.609		LEHIGH UNIVERSITY
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS	11.609		
MANUFACTURING EXTENSION PARTNERSHIP	11.611		
<i>ARRANGEMENTS FOR INTERDISCIPLINARY RESEARCH INFRASTRUCTURE</i>	11.619		NATIONAL INSTITUTE FOR INNOVATION IN MANUFACTURING BIOPHARMACEUTICALS
<i>ARRANGEMENTS FOR INTERDISCIPLINARY RESEARCH INFRASTRUCTURE</i>	11.619		UNIVERSITY OF DELAWARE
SCIENCE, TECHNOLOGY, BUSINESS AND/OR EDUCATION OUTREACH	11.620		
MINORITY BUSINESS RESOURCE DEVELOPMENT	11.802		
MBDA BUSINESS CENTER	11.805		
MARINE DEBRIS PROGRAM	11.999		
TOTAL DEPARTMENT OF COMMERCE			
DEPARTMENT OF DEFENSE			
AQUATIC PLANT CONTROL	12.100		
AQUATIC PLANT CONTROL	12.100		
BEACH EROSION CONTROL PROJECTS	12.101		
PAYMENTS TO STATES IN LIEU OF REAL ESTATE TAXES	12.112		
STATE MEMORANDUM OF AGREEMENT PROGRAM FOR THE REIMBURSEMENT OF TECHNICAL SERVICES	12.113		
<i>COLLABORATIVE RESEARCH AND DEVELOPMENT</i>	12.114		UNIVERSITY OF MICHIGAN
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		AMEWAS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		BAE SYSTEMS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		J.F. TAYLOR, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		JACOBS TECHNOLOGY, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		PHYSICAL OPTICS CORPORATION
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		SOAR TECHNOLOGY, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		ADVANCED CONDUCTOR TECHNOLOGIES, LLC
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		AMERICAN SYSTEMS
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		AMEWAS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		BOSTON CHILDREN'S HOSPITAL
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		CINTEL, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		COGNITIVE ENGINEERING RESEARCH INSTITUTE
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		COLUMBIA UNIVERSITY
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		CONTINUUM DYNAMICS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		CONTINUUM DYNAMICS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		CRAFT TECH
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		DYNETICS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		DYNETICS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		DYNETICS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		DYNETICS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		ENGILITY CORPORATION
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		ENGILITY CORPORATION
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		ENGILITY CORPORATION
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		FLORIDA STATE UNIVERSITY
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		GIRD SYSTEMS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		INNOVEERING, LLC
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		JACOBS TECHNOLOGY, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		JACOBS TECHNOLOGY, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		LEIDOS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		LEIDOS, INC.
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		LUNA INNOVATIONS INCORPORATED
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		LUNA INNOVATIONS INCORPORATED
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		NORTHROP GRUMMAN CORPORATION
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		PENDAR TECHNOLOGIES, LLC
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		PHYSICAL OPTICS CORPORATION
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		PRINCETON UNIVERSITY
<i>BASIC AND APPLIED SCIENTIFIC RESEARCH</i>	12.300		PURDUE UNIVERSITY

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$96,938	\$96,938	N/A	\$0
138138		\$40,960	\$1,180,287	N/A	\$0
70NANB16H313		\$52,607	\$1,180,287	RESEARCH AND DEVELOPMENT	\$1,033,282,522
543580-78002		\$45,793	\$1,180,287	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$118,125	\$1,040,927	\$1,180,287	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$3,032,905	\$3,032,905	N/A	\$0
PC1.0-26-01		\$105,840	\$146,011	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PC1.0-26		\$40,171	\$146,011	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$98,801	\$98,801	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$65,000	\$319,410	\$319,410	N/A	\$0
		\$266,094	\$266,094	N/A	\$0
		\$2,053	\$2,053	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$780,115	\$16,372,500			
		\$340,377	\$380,269	N/A	\$0
		\$39,892	\$380,269	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$28,979	\$28,979	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,128,610	\$2,128,610	\$2,128,610	N/A	\$0
		\$541,543	\$541,543	N/A	\$0
3003179759		\$113,015	\$113,015	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO17-00842		\$9,626	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
975057		\$16,145	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
205576		\$103	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
NTP 9/8/17		\$95,263	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
326020115H		\$74	\$87,704,305	N/A	\$0
10003-GTRI		-\$1,082	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 05/26/17		\$38,738	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N6833518C0151		\$25,000	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S19025_1		\$138,649	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO18-01655		\$333,042	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008608		\$0	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD OCT 16, 2017		\$15	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CERI GTRC 2017-2382		-\$6,629	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD AUGUST 2, 2017		\$33,603	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD MAY 27, 2017		\$16,731	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD OCT 10, 2017		\$60,606	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N68335-18-C-0850		\$38,393	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-17-22-NTP		-\$275	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-18-64		\$619,985	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-19-40/TO 0001		\$675,771	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HHM402-15-D-0004		\$195,901	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO-0016726		\$1,483	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO-0017110		-\$12,823	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO-0017302		\$225,365	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R02079		\$22,997	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
M67854-18-P-6537		\$6,337	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD NOV 1, 2017		\$10,061	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1172-384-15-03		\$319,570	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CES-III-13-043		\$915,949	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P010217707		\$22,950	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P010217722		\$78,593	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 12/19/16		\$39,199	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N68335-18-C-0402		\$44,423	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7500159934		\$1,406,177	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 09/01/2017		\$610	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
POC#10201-GTRI		\$980,673	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB0000041		\$0	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4104-85873		\$264	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		RAYTHEON COMPANY
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		RAYTHEON COMPANY
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		RICE UNIVERSITY
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		SAIC, INC.
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		SAIC, INC.
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		SOAR TECHNOLOGY, INC.
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		SOAR TECHNOLOGY, INC.
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		TEKLA RESEARCH, INC.
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		THE BOEING COMPANY
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		TUFTS UNIVERSITY
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF CALIFORNIA, SAN DIEGO
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF CALIFORNIA, SAN DIEGO
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF CENTRAL FLORIDA
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF CONNECTICUT
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF CONNECTICUT
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF MARYLAND
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF NORTH TEXAS
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF PITTSBURGH
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF SOUTHERN CALIFORNIA
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF VIRGINIA
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		UNIVERSITY OF WASHINGTON
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		WAKE FOREST UNIVERSITY
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		ZETA ASSOCIATES, INC.
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		
SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		EMORY UNIVERSITY
SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		MONTEREY INSTITUTE OF INTERNATIONAL STUDIES
SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		
ROTC LANGUAGE AND CULTURE TRAINING GRANTS	12.357		INSTITUTE OF INTERNATIONAL EDUCATION, INC.
ROTC LANGUAGE AND CULTURE TRAINING GRANTS	12.357		INSTITUTE OF INTERNATIONAL EDUCATION, INC.
ROTC LANGUAGE AND CULTURE TRAINING GRANTS	12.357		INSTITUTE OF INTERNATIONAL EDUCATION, INC.
RESEARCH ON CHEMICAL AND BIOLOGICAL DEFENSE	12.360		
MILITARY CONSTRUCTION, NATIONAL GUARD	12.400		
NATIONAL GUARD MILITARY OPERATIONS AND MAINTENANCE (O&M) PROJECTS	12.401		
NATIONAL GUARD CHALLENGE PROGRAM	12.404		
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		ALBERT EINSTEIN COLLEGE OF MEDICINE
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		AUGUSTA BIOMEDICAL RESEARCH CORPORATION
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		DREXEL UNIVERSITY
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		EMORY UNIVERSITY
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		EMORY UNIVERSITY
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		GENEVA FOUNDATION
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		MISSISSIPPI STATE UNIVERSITY
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		ROCKEFELLER UNIVERSITY
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		SHEPHERD CENTER
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		UNIVERSITY OF ARIZONA
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		UNIVERSITY OF ARKANSAS
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		WAKE FOREST UNIVERSITY
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		
BASIC SCIENTIFIC RESEARCH	12.431		DYNETICS, INC.
BASIC SCIENTIFIC RESEARCH	12.431		JACOBS TECHNOLOGY, INC.
BASIC SCIENTIFIC RESEARCH	12.431		LEIDOS, INC.
BASIC SCIENTIFIC RESEARCH	12.431		METOVA FEDERAL, LLC
BASIC SCIENTIFIC RESEARCH	12.431		NATIONAL ADVANCED MOBILITY CONSORTIUM
BASIC SCIENTIFIC RESEARCH	12.431		NORTH CAROLINA STATE UNIVERSITY
BASIC SCIENTIFIC RESEARCH	12.431		SAIC, INC.
BASIC SCIENTIFIC RESEARCH	12.431		SIGNATURE RESEARCH, INC.
BASIC SCIENTIFIC RESEARCH	12.431		SOUTH CAROLINA RESEARCH AUTHORITY
BASIC SCIENTIFIC RESEARCH	12.431		
BASIC SCIENTIFIC RESEARCH	12.431		ADVANCED SYSTEMS & TECHNOLOGIES, INC.
BASIC SCIENTIFIC RESEARCH	12.431		ADVANCED SYSTEMS & TECHNOLOGIES, INC.
BASIC SCIENTIFIC RESEARCH	12.431		ATA AEROSPACE, LLC
BASIC SCIENTIFIC RESEARCH	12.431		BLACK RIVER SYSTEMS COMPANY
BASIC SCIENTIFIC RESEARCH	12.431		CORNELL UNIVERSITY
BASIC SCIENTIFIC RESEARCH	12.431		DIGITAL ANALOG INTEGRATION, INC.
BASIC SCIENTIFIC RESEARCH	12.431		DIGITAL ANALOG INTEGRATION, INC.

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
4201706984		\$2,860	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4201913471		\$102,991	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R18684		\$257,820	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P010236291		\$388,325	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P010238931		\$320,680	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SC-18-015		\$55,652	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SC-19-005		\$46,422	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TRI-18-007		\$28,913	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1451798		\$158,555	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ONR029		\$155,790	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#108547341		\$11,940	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
43019109		\$99,951	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON005059		\$281,957	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
176432		\$152,237	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
184733		\$428,777	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
43832-Z8995001		\$78,015	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GF270701		\$14,714	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
18-3437		\$39,902	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
51110592		\$41,623	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GG12136.159334		\$114,548	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#UWSC9065		\$99,667	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#330607		\$92,321	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
090051SC-GTARC-01		\$270,148	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$16,580,935	\$78,109,010	\$87,704,305	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A008117		\$176,844	\$3,073,015	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DTRA GTARC 1		\$19,225	\$3,073,015	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$1,069,861	\$2,876,946	\$3,073,015	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PGO1801-GT-03-PGO-O51-P01		\$367,988	\$696,406	N/A	\$0
PGO1801-UNG-23		\$242,135	\$696,406	N/A	\$0
2603-UNG-21-GO-051		\$86,283	\$696,406	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		-\$350	-\$350	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,636,016	\$1,636,016	N/A	\$0
		\$40,532,569	\$40,532,569	N/A	\$0
		\$16,183,771	\$16,183,771	N/A	\$0
321171		\$107,696	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB 32372 W81XWH-16-1-0413		\$76,841	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO. 840030_GU		\$34,735	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A083981		\$39,311	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD A089261		\$3,185	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S1100002		\$6,416	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
183905.310605.01		\$9,579	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
W81XW1710290		\$69,660	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007436		\$29,515	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO. 488095		\$3,120	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SA1711151		\$67,032	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
084199-16474		\$33,753	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
WFUHS 441052 ER-02		\$70,643	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$53,131	\$2,796,681	\$3,348,167	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SB600004		\$24,072	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1153-01-00-02		\$40,360	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4102781916		\$2,703	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
135954		\$2,539	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
70-201708 T01		\$1,109,922	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
W900KK-16-R-0013		\$271,858	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4600005751/6		-\$1,863	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 04/11/17		\$155,490	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2017-311 PROJECT AGREEMENT 02		\$1,801,002	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$174	\$83,047,851	N/A	\$0
2017-311A PA 5		\$9,547,249	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PROJECT AGREEMENT NO.: 1		\$54,276	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD OCT 13, 2017		\$114,256	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 10/17/2017		\$450	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
76091-10525		\$451,261	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGMT DTD 18-NOV-2015		\$83,385	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
W911QX19C004		\$21,013	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		GENERAL ATOMICS
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		GIRD SYSTEMS, INC.
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		GRAF RESEARCH, LLC
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		METOVA FEDERAL, LLC
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		MILLENNITEK, LLC
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		NEWTON CONSULTING & ENGINEERING, INC.
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		NORTHWESTERN UNIVERSITY
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		NORTHWESTERN UNIVERSITY
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		RADIANCE TECHNOLOGIES, INC.
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		SAIC, INC.
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		SCIENTIFIC RESEARCH CORPORATION
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		SCIENTIFIC RESEARCH CORPORATION
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		SCIENTIFIC RESEARCH CORPORATION
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		SCIENTIFIC RESEARCH CORPORATION
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		SCIENTIFIC RESEARCH CORPORATION
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		STANFORD UNIVERSITY
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		STEVENS INSTITUTE OF TECHNOLOGY
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		UNIVERSITY OF CALIFORNIA, LOS ANGELES
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		UNIVERSITY OF MARYLAND
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		UNIVERSITY OF MICHIGAN
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		UNIVERSITY OF PENNSYLVANIA
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		UNIVERSITY OF TEXAS AT AUSTIN
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		UNIVERSITY OF WASHINGTON
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		UNIVERSITY OF WASHINGTON
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		UT-BATTELLE, LLC
<i>BASIC SCIENTIFIC RESEARCH</i>	12.431		
<i>THE LANGUAGE FLAGSHIP GRANTS TO INSTITUTIONS OF HIGHER EDUCATION</i>	12.550		INSTITUTE OF INTERNATIONAL EDUCATION, INC.
<i>THE LANGUAGE FLAGSHIP GRANTS TO INSTITUTIONS OF HIGHER EDUCATION</i>	12.550		INSTITUTE OF INTERNATIONAL EDUCATION, INC.
<i>THE LANGUAGE FLAGSHIP GRANTS TO INSTITUTIONS OF HIGHER EDUCATION</i>	12.550		INSTITUTE OF INTERNATIONAL EDUCATION, INC.
<i>THE LANGUAGE FLAGSHIP GRANTS TO INSTITUTIONS OF HIGHER EDUCATION</i>	12.550		INSTITUTE OF INTERNATIONAL EDUCATION, INC.
<i>INVITATIONAL GRANTS FOR MILITARY-CONNECTED SCHOOLS</i>	12.557		
<i>COMMUNITY INVESTMENT</i>	12.600		MIDDLE GEORGIA REGIONAL COMMISSION
<i>COMMUNITY ECONOMIC ADJUSTMENT ASSISTANCE FOR REALIGNMENT OR CLOSURE OF A MILITARY INSTALLATION</i>	12.607		
<i>COMMUNITY ECONOMIC ADJUSTMENT ASSISTANCE FOR COMPATIBLE USE AND JOINT LAND USE STUDIES</i>	12.610		
<i>COMMUNITY ECONOMIC ADJUSTMENT ASSISTANCE FOR REDUCTIONS IN DEFENSE INDUSTRY EMPLOYMENT</i>	12.611		
<i>COMMUNITY ECONOMIC ADJUSTMENT ASSISTANCE FOR REDUCTIONS IN DEFENSE INDUSTRY EMPLOYMENT</i>	12.611		GOODWYN, MILLS AND CAWOOD
<i>COMMUNITY ECONOMIC ADJUSTMENT ASSISTANCE FOR REDUCTIONS IN DEFENSE INDUSTRY EMPLOYMENT</i>	12.611		MIDDLE GEORGIA REGIONAL COMMISSION
<i>ECONOMIC ADJUSTMENT ASSISTANCE FOR STATE GOVERNMENTS</i>	12.617		
<i>TROOPS TO TEACHERS GRANT PROGRAM</i>	12.620		
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		DYNETICS, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		DYNETICS, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		DYNETICS, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		DYNETICS, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		DYNETICS, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		DYNETICS, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		DYNETICS, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		LEIDOS, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		PHOSPHORTECH CORPORATION
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		RAYTHEON COMPANY
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		RAYTHEON COMPANY
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		SMARTRONIX, INC.
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		SOUTH CAROLINA RESEARCH AUTHORITY
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		STEVENS INSTITUTE OF TECHNOLOGY
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		SYSTEM HIGH CORPORATION
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		
<i>BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING</i>	12.630		ALION SCIENCE AND TECHNOLOGY CORPORATION

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
4500076278		\$19,174	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
W15QKN-15-9-1004		\$310,289	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
W56KGU-18-C-0020		\$158,910	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
W911NF-15-2-0107		\$7,735	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CBL-240		\$50,756	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 09/25/2017		\$288,035	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
NCEGTRI0316R23G		\$94	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010459		\$290,911	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011050		\$14,418	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
18S-1329		\$176,610	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
460005751/5		-\$1,288	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DATED 5/14/18		\$910,309	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SR20160954 TO-004		\$1,243	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SR20180211 (JP03)		\$2	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SR20180865		\$256,207	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SR20180986		\$51,485	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#61892934-130810		\$173,935	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2102929-02; WRT-1002		\$8,181	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1000GSA785		\$106,546	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
078122-17266		\$142,378	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
46331-Z8425103		\$31,362	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3002805832		\$107,070	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
572622		\$653,674	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UTA17-001078		\$185	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UWSC7915 P.O. # BPO 3109		\$92,089	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UWSC9283		\$90,788	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
US001-0000560752		\$14,086	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$10,715,403	\$65,414,520	\$83,047,851	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0054UGA11		\$36,300	\$1,059,446	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0054-UGA-11-AM-280-PO5		\$105,825	\$1,059,446	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0054UGA11P	\$92,502	\$492,621	\$1,059,446	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0054-UNG-16-CHN-280		\$424,700	\$1,059,446	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$5,972	\$5,972	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AWD00009921		\$39,592	\$39,592	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$170,434	\$170,434	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$778,911	\$778,911	N/A	\$0
		\$198,803	\$240,480	N/A	\$0
CR-1440-17-02		\$5,000	\$240,480	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5555701		\$36,677	\$240,480	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$163,497	\$163,497	N/A	\$0
	\$166,743	\$166,743	\$166,743	N/A	\$0
DI-SC-15-05 TO4		\$930,967	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-16-01 TASK ORDER 81		\$232,165	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-16-01/TO 72		\$372	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-16-01/TO 73		\$116,968	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-16-01/TO 74		-\$1,722	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-16-01/TO 76		\$5,407	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-43		\$28,270	\$140,501,732	N/A	\$0
P010192863		\$1,571,137	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 8/4/2017		\$188,255	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0010102015		\$726	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4201579340		\$22	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
17R14S, TASK ORDER #01		\$2,855,341	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PROJECT TASK ASSIGNMENT 1		\$0	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TO # HQ003417F0283, RT-181		-\$12	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DAR 621		\$57,298	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$755,734	\$140,501,732	N/A	\$0
SUB1148651-001 TO NO. 001		\$411,828	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

Federal Awarding Agency/Program Title	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		ATC-NY, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		BAE SYSTEMS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		BAE SYSTEMS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		BAE SYSTEMS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		BAE SYSTEMS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		CALIFORNIA INSTITUTE OF TECHNOLOGY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		CAMBRIDGE SYSTEMATICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		CHARLES RIVER ANALYTICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		CHARLES RIVER ANALYTICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DNC PARKS & RESORTS AT KSC, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DUKE UNIVERSITY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DYNETICS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		DZYNTECHNOLOGIES, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		EMORY UNIVERSITY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		ENGILITY CORPORATION
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		EXCET, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		FLORIDA A&M UNIVERSITY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		HONEYWELL INTERNATIONAL, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		HONEYWELL INTERNATIONAL, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		JACOBS TECHNOLOGY, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		LEIDOS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		LEIDOS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		LOCKHEED MARTIN CORPORATION
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		MACAULAY-BROWN, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		MACAULAY-BROWN, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		MICHIGAN STATE UNIVERSITY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		MICROSEMI CORPORATION
			MIDDLEBURY INSTITUTE OF INTERNATIONAL STUDIES
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		AT MONTEREY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		MORSECORP, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		MORSECORP, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		NATIONAL SCIENCE TEACHERS ASSOCIATION
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		NORTHROP GRUMMAN CORPORATION
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		NOVATEUR RESEARCH SOLUTIONS, LLC
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		OCBUS NETWORKS, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		OHIO STATE UNIVERSITY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		OPTOXENSE, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		PHOSPHORTECH CORPORATION
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		POLY-ORTH INTERNATIONAL
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		QUANTITECH, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		RADIANCE TECHNOLOGIES, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		SAIC, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		SAIC, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		SIEMENS CORPORATION
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		SPACE DYNAMICS LABORATORY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		SPACEWORKS ENTERPRISES, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		STEVENS INSTITUTE OF TECHNOLOGY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		STEVENS INSTITUTE OF TECHNOLOGY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		STEVENS INSTITUTE OF TECHNOLOGY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		STEVENS INSTITUTE OF TECHNOLOGY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		STEVENS INSTITUTE OF TECHNOLOGY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		STEVENS INSTITUTE OF TECHNOLOGY
			SYRACUSE UNIVERSITY RESEARCH CORPORATION, INC.
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		(SRC)
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		SYSTEM HIGH CORPORATION
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		TETRA TECH, INC.

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
W56LGU-16-C-0083		\$23,932	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
957935		\$1,532	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
992051		\$242,525	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ADV PROJECT FORM 10/31/2018		\$639,060	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 11/15/2018		\$39,983	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S404649		\$67,699	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TBD TASK ORDER # 2		-\$1,180	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
140D0419C0048		\$60,646	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
IARPA-BAA-17-08		\$60,803	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
138132		\$17,622	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
313-0639		\$95,102	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
518		\$151,761	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
543		\$2,693	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-15-05 TASK ORDER NO 06		\$87,567	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-15-05 TASK ORDER NO 08		\$5,970	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-15-05/TO7		\$17,376	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-16-01 TO 117		\$117,338	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-16-01 TO 128		\$221,403	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-16-01 TO 129		\$121,763	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DI-SC-16-01/TO 91		\$321,514	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DRP006-SUB_GT001; PHASE 2		\$66,232	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T803614		\$178,574	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO-0016317		\$722	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO 7607		\$39,999	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
C4987		\$17,850	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3501700183E		\$276,060	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3501701149E		\$3,407,803	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1153-01-01-06		\$47,966	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
10170252-1		\$99	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 09/21/2018		\$5,119	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4103970772		\$77,919	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DSC 2124-01		-\$4,158	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DSC2134-01		\$137,940	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PB92205BV-02		\$596,987	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PB92205BV-01		\$182,992	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CWMD-GTARC 1		\$37,700	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ICARUS-2-01		\$48,051	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ICARUS-3-01		\$103,987	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
727325		\$19,500	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
8140000981		\$421,114	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBK-NGA172-003		\$52,458	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P100		\$1,694,917	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
60063184 (FORMERLY 60057838)		\$126,687	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
20180196		\$159,081	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGE DTD 03/10/16		\$225,517	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGRMT DTD 12/23/16		\$135,930	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
47QFSA18F0005		\$49,952	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
16S-3074		\$125,528	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4600005751/4		\$29,684	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO10105875		-\$406	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GRP122-01		\$65,047	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CP0053206		\$93,238	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD APR 9, 2018		\$25,269	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2102748-03 RT 182		\$23,391	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2102765-01		\$16,069	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2102816-01		\$47,651	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2102848-01		\$197,393	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2102876-02		\$36,548	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HQ003418F0089 RT 195		\$48,865	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TO# HQ003417F0300, RT-182		-\$19,958	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SCWM00707		\$30,764	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HR0011-17-F-0001		\$34,041	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AID-OAA I-14-00068/TO-16-00016		\$27,455	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		THE BOEING COMPANY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		THE NATIONAL CENTER FOR MANUFACTURING SCIENCES
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UI LABS
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UI LABS
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UNIVERSITY OF CALIFORNIA
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UNIVERSITY OF NOTRE DAME
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UNIVERSITY OF NOTRE DAME
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UNIVERSITY OF NOTRE DAME
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UNIVERSITY OF NOTRE DAME
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UNIVERSITY OF PENNSYLVANIA
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		UTAH STATE UNIVERSITY
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		WEST COAST SOLUTIONS
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		
SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM) EDUCATIONAL PROGRAM: SCIENCE, MATHEMATICS AND RESEARCH FOR TRANSFORMATION (SMART)	12.631		
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		CLEAR CREEK APPLIED TECHNOLOGIES, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		MATRIX RESEARCH, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		NORTHROP GRUMMAN CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		RELIANCE TEST & TECHNOLOGY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SCIENTIFIC RESEARCH CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SENTAR, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SOSSEC, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SOUTHWEST RESEARCH INSTITUTE
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UES, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		AGING AIRCRAFT CONSULTING, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		ALION SCIENCE AND TECHNOLOGY CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		APPLIED RESEARCH SOLUTIONS
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		ATA AEROSPACE, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		ATC MATERIALS
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		AURA TECHNOLOGIES, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		AURORA FLIGHT SCIENCES
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		AZIMUTH CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		AZIMUTH CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		BAE SYSTEMS, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		BERRIEHILL RESEARCH CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		BINGHAMTON UNIVERSITY, STATE UNIVERSITY OF NEW YORK
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		BINGHAMTON UNIVERSITY, STATE UNIVERSITY OF NEW YORK
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		BOOZ ALLEN HAMILTON, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		BOOZ ALLEN HAMILTON, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		CFD RESEARCH CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		CLARKSON AEROSPACE CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		CLEAR CREEK APPLIED TECHNOLOGIES, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		COLUMBIA UNIVERSITY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		CORVID TECHNOLOGIES, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		EXOANALYTIC SOLUTIONS
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		FLEXTech ALLIANCE, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		FLORIDA INTERNATIONAL UNIVERSITY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		FREEDOM PHOTONICS, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		IMPACT TECHNOLOGIES, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		INFOSCITEX CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		INNOVATIVE ADVANCED MATERIALS, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		INNOVATIVE SCIENTIFIC SOLUTIONS, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		IOWA STATE UNIVERSITY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		JT4, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		KARAGOZIAN AND CASE, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		KBRWYLE
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		KBRWYLE
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		LOCKHEED MARTIN CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		LOCKHEED MARTIN CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		LUNA INNOVATIONS INCORPORATED

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
1542655		\$2,139	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
201726-130194		\$41,525	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0320170002		\$28,948	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0320170007		\$125,092	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00010037		\$9,072	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#203278GT-BAKIR		\$200,997	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
203278GT-KHAN		\$267,670	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
203278GT-NAEEMI		\$227,505	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
208107GT		\$455,729	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
575015		\$153,970	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CP0049402		\$27,537	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 4-20-18		\$22,867	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$5,399,826	\$120,603,239	\$140,501,732	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$616	\$616	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4050-015-01-015		\$123	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ESCE-002		\$313,544	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7500157027		\$237,573	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R17N0095		\$28,196	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TO SR20171847		\$1,342	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 04/12/17		\$45,669	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1 (PLA-0011)		\$23,829	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
I99080CT		\$66,483	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-124-001-004		\$155,292	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$239	\$217,571,468	N/A	\$0
AGR DTD 10/02/2017		\$78,862	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB1148651-002		\$86,694	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00115		\$97,295	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA9453-12-D-0285		\$52,422	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA8651-18-P-0054		\$41,986	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 11/14/17		\$11,234	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AVA-18-0012		\$121,148	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
238-5404-GIT2		\$112,432	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2385404UGAD2		\$5,516	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
994129		\$401,648	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2204		-\$302	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
77723/1138629		\$144,624	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
81628/1147215-2		\$52,922	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
106445SB18		\$517,750	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
106445SB18/TO 3		\$361,680	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA945318P0238		\$65,000	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
13-S7700-02-C2		\$100,912	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4050-015-01-021		\$1,891	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD NOVEMBER 27, 2017		\$58	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA8650-18-P-5047		\$41,675	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD APRIL 20, 2018		\$54,609	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3		\$374,113	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
800009491-01UG		\$111,856	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
NA		\$45,000	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CW2275049		\$96,266	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S1309A		\$1,065	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA865015D2516		\$181,803	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD AUGUST 25, 2017		\$194,318	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA650-19-P-2026		\$11,705	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
130186		\$98,774	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA8240-18-C-7218		\$8,223	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD DECEMBER 23, 2016		\$113,118	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
APSC02292		\$35,827	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
LXS005518		\$11,806	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4103577628		\$26,245	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
6574008559		\$965,493	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3660-AFR-1S/GTARC		\$6,055	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		LUNA INNOVATIONS INCORPORATED
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		MAGEE TECHNOLOGIES, LLC (MTECH)
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		MASSACHUSETTS INSTITUTE OF TECHNOLOGY, LINCOLN LABORATORY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		MASSTECH INNOVATIONS, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		MATRIX RESEARCH, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		MATRIX RESEARCH, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		MATRIX RESEARCH, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		NEXTFLEX
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		NORTHROP GRUMMAN CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		NORTHROP GRUMMAN CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		OHIO AEROSPACE INSTITUTE
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		OPTOXENSE, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		ORBITAL ATK, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		PENNSYLVANIA STATE UNIVERSITY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		PENNSYLVANIA STATE UNIVERSITY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		PURDUE UNIVERSITY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		RAYTHEON COMPANY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		ROCCOR, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SCIENCE SYSTEMS AND APPLICATIONS, INC. (SSAI)
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SCIENTIFIC APPLICATIONS AND RESEARCH ASSOCIATES, INC. (SARA)
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SOSSEC, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SPECTRAL ENERGIES, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SPECTRAL ENERGIES, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SPECTRAL ENERGIES, LLC
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SRI INTERNATIONAL
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		STONY BROOK UNIVERSITY, STATE UNIVERSITY OF NEW YORK
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		SURVICE ENGINEERING COMPANY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		THE BOEING COMPANY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		THE BOEING COMPANY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		TREX ENTERPRISES CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UES, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UES, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UES, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UES, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UES, INC.
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNITED TECHNOLOGIES CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNITED TECHNOLOGIES CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNIVERSAL TECHNOLOGY CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNIVERSAL TECHNOLOGY CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNIVERSAL TECHNOLOGY CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNIVERSAL TECHNOLOGY CORPORATION
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNIVERSITY OF CALIFORNIA
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNIVERSITY OF CENTRAL FLORIDA
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNIVERSITY OF HAWAI'I
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UNIVERSITY OF HOUSTON-CLEAR LAKE
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		UTAH STATE UNIVERSITY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		VERUS RESEARCH
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	12.800		WANG ELECTRO-OPTO CORPORATION
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		
LANGUAGE GRANT PROGRAM	12.900		
LANGUAGE GRANT PROGRAM	12.900		
MATHEMATICAL SCIENCES GRANTS	12.901		
<i>MATHEMATICAL SCIENCES GRANTS</i>	12.901		FULTON COUNTY
MATHEMATICAL SCIENCES GRANTS	12.901		
INFORMATION SECURITY GRANTS	12.902		
<i>INFORMATION SECURITY GRANTS</i>	12.902		UNIVERSITY OF UTAH
INFORMATION SECURITY GRANTS	12.902		
GENCYBER GRANTS PROGRAM	12.903		
<i>GENCYBER GRANTS PROGRAM</i>	12.903		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
FA8650-18-P-5043		\$14,967	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N000197248P800		\$72,746	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7000437192		\$69,038	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA8650-17-C-9104-GT		\$817	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-2014-011-02-03		\$146,865	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-2014-011-02-04		\$163,209	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TASK ORDER 02-01		\$305,227	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGREEMENT DATED 21-FEB-2017		\$185,058	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA8720-10-D-0001		\$356,363	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
MP00214577		\$15,652	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
OAI-PACE-17005 MOD#002		\$110,735	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA8650-18-P-2139		\$99,990	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
MP00175454		\$159	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4791-GIT-AFOSR-0004		\$107,012	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5676-GTRC-AFOSR-0017		\$177,211	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#13000716-051		\$9,850	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
14787		\$587,849	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA8650-18-P-9211		\$5,885	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DESP-093-RJ02-01		\$12,688	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ATP DTD 3/20/19		\$358,596	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PLA-0046		\$156,353	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA8650-18-C-2001		\$39,201	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SB1717-001-1		\$67,843	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SB1819-001-1		\$52,910	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
19000270		\$91,061	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 3/16/2017		\$83,400	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
LTR SUBCONTRACT DTD 6/25/14		\$27,558	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1404360		\$148,663	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1636529		\$83,995	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
102963		\$37,000	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-111-048-001		\$32,613	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-953-21-MR015		\$94,073	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-953-21-MR016		\$174,675	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-953-21-MR019		\$80,000	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-977-028-003		\$31,166	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
17-S8602-02-C3		\$5,549	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
24102 TASK 24		\$119,134	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
165852-18F5828-19-16-C1		\$5,322	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
17-S7700-01-C4		\$121,489	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
17-S8401-03-C1		\$105,545	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
18-7900-0008-38-C11		\$17,431	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#KK1912		\$59,541	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
287381		\$325,408	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007875		\$258,417	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R170055		\$40,001	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CP0043229		\$2,081	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD AUGUST 9, 2018		\$53,605	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
45017419105		\$60,331	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FA8651-17-C-0042		\$37,682	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$55,084,627	\$206,855,491	\$217,571,468	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,508	\$1,315	N/A	\$0
		-\$193	\$1,315	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		-\$35	\$68,015	N/A	\$0
CON008346		-\$1,371	\$68,015	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$69,421	\$68,015	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$517,164	\$703,417	N/A	\$0
CON010749		\$23,877	\$703,417	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$162,376	\$703,417	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$249,401	\$338,664	N/A	\$0
63828383-8		\$77,785	\$338,664	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
GENCYBER GRANTS PROGRAM	12.903		
CYBERSECURITY CORE CURRICULUM	12.905		
CYBERSECURITY CORE CURRICULUM	12.905		
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		EMORY UNIVERSITY
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		EMORY UNIVERSITY
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		GENERAL DYNAMICS MISSION SYSTEMS, INC.
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		INTERNATIONAL BUSINESS MACHINES CORPORATION
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		SIEMENS CORPORATION
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		SRI INTERNATIONAL
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		TELEDYNE SCIENTIFIC AND IMAGING, LLC
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		TEXAS A&M UNIVERSITY
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		UNIVERSITY OF CALIFORNIA
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		UNIVERSITY OF COLORADO
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		UNIVERSITY OF TENNESSEE
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		
WILL CLIMATE-MEDIATED PHENOLOGICAL SHIFTS AFFECT P	12.RD	ARM212UGA, EP0165508	TUFTS UNIVERSITY
IPA FOR HABITAT MODELING (CAITLIN CONN)	12.RD	AWD00010293	
TEEN LEADERSHIP CAMP	12.RD	F4199917P1701	
2019 TEEN LEADERSHIP	12.RD	F4199919P0715	
2018 LABOR DAY- 165TH ANNUAL TEEN RESILIENCY AND L	12.RD	F8W3LS8220	
2018 WADING BIRD SURVEYS AT THE NAVAL SUBMARINE BA	12.RD	AW01 UGA-SREL WO 2018-001	LG2 ENVIRONMENTAL SOLUTIONS, INC.
COVALENT GRAFTING OF DURABLE AND OPTICALLY CLEAR A	12.RD	W911QY W911QY-16-19P0013	
DEPARTMENT OF DEFENSE OTHER FINANCIAL ASSISTANCE	12.RD	A-0014-0017	GENEVA FOUNDATION
OVERSEAS MILITARY AND CULTURE	12.RD	W9124D-10-C-0036	
A NOVEL REACTIVE ELECTROCHEMICAL MEMBRANE SYSTEM F	12.RD	W912HQ17C0010	
165TH AW JULY CAMP	12.RD	W912JM17P0027	
165TH CHOPPED PROGRAM	12.RD	W912JM18P0073	
MILITARY TUITION ASSISTANCE	12.U03	40-00250, 40-00251, 40-00252	
SALE OF FOREST PRODUCTS	12.U04	486TIMBER	
TOTAL DEPARTMENT OF DEFENSE			
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT			
HOUSING COUNSELING ASSISTANCE PROGRAM	14.169		
MANUFACTURED HOME DISPUTE RESOLUTION	14.171		
COMMUNITY DEVELOPMENT BLOCK GRANTS/STATE'S PROGRAM AND NON-ENTITLEMENT GRANTS IN HAWAII	14.228		
EMERGENCY SOLUTIONS GRANT PROGRAM	14.231		
SUPPORTIVE HOUSING PROGRAM	14.235		
SHELTER PLUS CARE	14.238		
HOME INVESTMENT PARTNERSHIPS PROGRAM	14.239		
HOUSING OPPORTUNITIES FOR PERSONS WITH AIDS	14.241		
CONTINUUM OF CARE PROGRAM	14.267		
HOUSING TRUST FUND	14.275		
PROJECT RENTAL ASSISTANCE DEMONSTRATION (PRA DEMO) PROGRAM OF SECTION 811			
SUPPORTIVE HOUSING FOR PERSONS WITH DISABILITIES	14.326		
SECTION 8 HOUSING CHOICE VOUCHERS	14.871		
MAINSTREAM VOUCHERS	14.879		
MOVING TO WORK DEMONSTRATION PROGRAM	14.881		HOUSING AUTHORITY COLUMBUS, GEORGIA
TOTAL DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT			

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$11,478	\$338,664	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$163,661	\$217,475	N/A	\$0
		\$53,814	\$217,475	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T680127		\$164,253	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T793318		\$429,942	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
O2ESM1022277		\$763,876	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5004876066		\$169,724	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB00000007 PO# 624585		\$11,618	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
126-003		\$334,723	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
206-000114		\$125,340	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO00143792		\$66,262	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
06M1703099		\$17,188	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#00009974		\$72,519	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FY18.920.001		\$377,178	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A18-0652-S001		\$77,791	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$294,306	\$2,672,431	\$5,282,845	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ARM212UGA, EP0165508		\$60,060	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$2,511	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$120,323	\$402,453	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$3,984	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$18,304	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UGA-SREL WO 2018-001		\$43,260	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$8,876	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBCONTRACT#: S-40037-0017-01		\$25,985	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$26,452	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$121,942	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$12	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$644	\$714,483	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,686,489	\$1,686,489	N/A	\$0
	\$1,800	\$1,800	\$1,800	N/A	\$0
	\$91,708,067	\$609,127,560			
		\$573,672	\$573,672	N/A	\$0
		\$628,769	\$628,769	N/A	\$0
	\$40,551,731	\$41,743,607	\$41,743,607	N/A	\$0
		\$4,326,159	\$4,326,159	N/A	\$0
		\$451,403	\$451,403	N/A	\$0
		\$14,524,852	\$14,524,852	N/A	\$0
	\$13,197,882	\$22,595,652	\$22,595,652	N/A	\$0
		\$2,583,906	\$2,583,906	N/A	\$0
		\$1,786,201	\$1,786,201	N/A	\$0
		\$2,707,685	\$2,707,685	N/A	\$0
		\$129,935	\$129,935	N/A	\$0
		\$111,006,879	\$111,006,879	HOUSING VOUCHER CLUSTER	\$111,304,684
		\$297,805	\$297,805	HOUSING VOUCHER CLUSTER	\$111,304,684
30445		\$14,775	\$14,775	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$53,749,613	\$203,371,300			

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
DEPARTMENT OF THE INTERIOR			
AGRICULTURE ON INDIAN LANDS	15.034		
WILDLAND FIRE RESEARCH AND STUDIES	15.232		
<i>MARINE MINERALS ACTIVITIES</i>	15.424		SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
MARINE MINERALS ACTIVITIES	15.424		
SPORT FISH RESTORATION	15.605		
<i>FISH AND WILDLIFE MANAGEMENT ASSISTANCE</i>	15.608		GULF STATES MARINE FISHERIES COMMISSION
FISH AND WILDLIFE MANAGEMENT ASSISTANCE	15.608		
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		
<i>WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION</i>	15.611		ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
<i>WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION</i>	15.611		ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
<i>WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION</i>	15.611		ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
<i>WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION</i>	15.611		CORNELL UNIVERSITY
<i>WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION</i>	15.611		KENTUCKY DEPARTMENT OF FISH AND WILDLIFE RESOURCES
<i>WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION</i>	15.611		TEXAS PARKS AND WILDLIFE DEPARTMENT
COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION	15.614		
<i>COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND</i>	15.615		ALABAMA DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
<i>COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND</i>	15.615		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND</i>	15.615		SOUTH CAROLINA DEPARTMENT OF NATURAL RESOURCES
COOPERATIVE ENDANGERED SPECIES CONSERVATION FUND	15.615		
SPORTFISHING AND BOATING SAFETY ACT	15.622		
ENHANCED HUNTER EDUCATION AND SAFETY	15.626		
MULTISTATE CONSERVATION GRANT	15.628		
COASTAL	15.630		
<i>COASTAL</i>	15.630		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>COASTAL</i>	15.630		LONGLEAF ALLIANCE
PARTNERS FOR FISH AND WILDLIFE	15.631		
PARTNERS FOR FISH AND WILDLIFE	15.631		
STATE WILDLIFE GRANTS	15.634		
<i>STATE WILDLIFE GRANTS</i>	15.634		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
RESEARCH GRANTS (GENERIC)	15.650		
<i>RESEARCH GRANTS (GENERIC)</i>	15.650		GALLUP
RESEARCH GRANTS (GENERIC)	15.650		
<i>ENDANGERED SPECIES CONSERVATION RECOVERY IMPLEMENTATION FUNDS</i>	15.657		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
ENDANGERED SPECIES CONSERVATION RECOVERY IMPLEMENTATION FUNDS	15.657		
<i>NFWF-USFWS CONSERVATION PARTNERSHIP</i>	15.663		THE NATURE CONSERVANCY
NFWF-USFWS CONSERVATION PARTNERSHIP	15.663		
FISH AND WILDLIFE COORDINATION AND ASSISTANCE	15.664		
<i>ADAPTIVE SCIENCE</i>	15.670		THE NATURE CONSERVANCY
ADAPTIVE SCIENCE	15.670		
COOPERATIVE ECOSYSTEM STUDIES UNITS	15.678		
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805		
<i>EARTHQUAKE HAZARDS PROGRAM ASSISTANCE</i>	15.807		UNIVERSITY OF SOUTHERN CALIFORNIA
U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION	15.808		
COOPERATIVE RESEARCH UNITS	15.812		
<i>NATIONAL LAND REMOTE SENSING EDUCATION OUTREACH AND RESEARCH</i>	15.815		AMERICAVIEW
<i>NATIONAL LAND REMOTE SENSING EDUCATION OUTREACH AND RESEARCH</i>	15.815		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>NATIONAL AND REGIONAL CLIMATE ADAPTATION SCIENCE CENTERS</i>	15.820		OKLAHOMA STATE UNIVERSITY
HISTORIC PRESERVATION FUND GRANTS-IN-AID	15.904		
HISTORIC PRESERVATION FUND GRANTS-IN-AID	15.904		
TECHNICAL PRESERVATION SERVICES	15.915		
OUTDOOR RECREATION ACQUISITION, DEVELOPMENT AND PLANNING	15.916		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$2,621	\$2,621	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$23,606	\$23,606	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SCDNRFY2017018		\$21,990	\$61,261	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$39,271	\$61,261	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$7,219,768	\$7,219,768	FISH AND WILDLIFE CLUSTER	\$28,320,812
FWS-800-037-2018-UGA	\$7,517	\$14,630	\$95,437	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$80,807	\$95,437	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$20,911,721	\$21,033,611	FISH AND WILDLIFE CLUSTER	\$28,320,812
1162_54		\$42,372	\$21,033,611	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5724001	\$10,213	\$10,213	\$21,033,611	RESEARCH AND DEVELOPMENT	\$1,033,282,522
COYOTE ECOLOGY		\$36,291	\$21,033,611	RESEARCH AND DEVELOPMENT	\$1,033,282,522
74496-10644		\$11,269	\$21,033,611	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1600001324	\$4,888	\$4,888	\$21,033,611	RESEARCH AND DEVELOPMENT	\$1,033,282,522
479099	\$16,857	\$16,857	\$21,033,611	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,015,628	\$1,015,628	N/A	\$0
F16AP00584		\$419,445	\$496,094	N/A	\$0
63828383-9		\$26,992	\$496,094	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P24014306117		\$17,129	\$496,094	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$21,277	\$32,528	\$496,094	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$34,363	\$34,363	N/A	\$0
		\$189,323	\$189,323	FISH AND WILDLIFE CLUSTER	\$28,320,812
		\$1,202	\$1,202	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$21	\$14,554	N/A	\$0
63828383-10		\$8,526	\$14,554	RESEARCH AND DEVELOPMENT	\$1,033,282,522
LLA201807		\$6,007	\$14,554	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$36,564	\$40,814	N/A	\$0
		\$4,250	\$40,814	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,978,808	\$1,997,558	N/A	\$0
63828383-11		\$18,750	\$1,997,558	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$20,266	\$346,398	N/A	\$0
D17PC00002		\$311,958	\$346,398	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$14,174	\$346,398	RESEARCH AND DEVELOPMENT	\$1,033,282,522
F17AP00100		\$11,722	\$41,722	N/A	\$0
		\$30,000	\$41,722	N/A	\$0
GABU01072019		\$50,000	\$61,330	N/A	\$0
		\$11,330	\$61,330	N/A	\$0
		\$51,563	\$51,563	N/A	\$0
050818-01		\$53,613	\$70,907	N/A	\$0
		\$17,294	\$70,907	N/A	\$0
		\$115,754	\$115,754	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$9,845	\$103,717	\$103,717	RESEARCH AND DEVELOPMENT	\$1,033,282,522
104713868		\$27,387	\$27,387	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$156,228	\$156,228	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$264,082	\$264,082	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AV18-GA-01	\$2,341	\$16,831	\$17,139	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AV13-GA01/G14AP00002		\$308	\$17,139	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2-561570.UGA		\$17,786	\$17,786	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$749,215	\$753,752	N/A	\$0
		\$4,537	\$753,752	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$78,794	\$78,794	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,860,747	\$1,860,747	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>COOPERATIVE RESEARCH AND TRAINING PROGRAMS - RESOURCES OF THE NATIONAL PARK SYSTEM</i>	15.945		PENNSYLVANIA STATE UNIVERSITY
COOPERATIVE RESEARCH AND TRAINING PROGRAMS - RESOURCES OF THE NATIONAL PARK SYSTEM	15.945		
DIAGNOSTIC, FIELD AND TRAINING ASSISTANCE FOR WILD	15.RD	F15PX01848	
TOTAL DEPARTMENT OF THE INTERIOR			
DEPARTMENT OF JUSTICE			
SEXUAL ASSAULT SERVICES FORMULA PROGRAM	16.017		
OVW RESEARCH AND EVALUATION PROGRAM	16.026		
JUVENILE ACCOUNTABILITY BLOCK GRANTS	16.523		
LEGAL ASSISTANCE FOR VICTIMS	16.524		
GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS	16.525		
ENHANCED TRAINING AND SERVICES TO END VIOLENCE AND ABUSE OF WOMEN LATER IN LIFE	16.528		
JUVENILE JUSTICE AND DELINQUENCY PREVENTION	16.540		
MISSING CHILDREN'S ASSISTANCE	16.543		
STATE JUSTICE STATISTICS PROGRAM FOR STATISTICAL ANALYSIS CENTERS	16.550		
<i>NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS</i>	16.560		WESTED
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560		
<i>NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS</i>	16.560		APPLIED RESEARCH SOLUTIONS
<i>NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS</i>	16.560		RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560		
<i>CRIME VICTIM ASSISTANCE</i>	16.575		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
CRIME VICTIM ASSISTANCE	16.575		
CRIME VICTIM COMPENSATION	16.576		
CRIME VICTIM ASSISTANCE/DISCRETIONARY GRANTS	16.582		
<i>CRIME VICTIM ASSISTANCE/DISCRETIONARY GRANTS</i>	16.582		EQUAL JUSTICE WORKS
<i>CRIME VICTIM ASSISTANCE/DISCRETIONARY GRANTS</i>	16.582		GEORGIA COALITION AGAINST DOMESTIC VIOLENCE
DRUG COURT DISCRETIONARY GRANT PROGRAM	16.585		
VIOLENCE AGAINST WOMEN FORMULA GRANTS	16.588		
GRANTS TO ENCOURAGE ARREST POLICIES AND ENFORCEMENT OF PROTECTION ORDERS PROGRAM	16.590		
RESIDENTIAL SUBSTANCE ABUSE TREATMENT FOR STATE PRISONERS	16.593		
CORRECTIONS TRAINING AND STAFF DEVELOPMENT	16.601		
STATE CRIMINAL ALIEN ASSISTANCE PROGRAM	16.606		
PROJECT SAFE NEIGHBORHOODS	16.609		
PROJECT SAFE NEIGHBORHOODS	16.609		
<i>REGIONAL INFORMATION SHARING SYSTEMS</i>	16.610		CRIMINAL INFORMATION SHARING ALLIANCE, INC.
PUBLIC SAFETY PARTNERSHIP AND COMMUNITY POLICING GRANTS	16.710		
<i>JUVENILE MENTORING PROGRAM</i>	16.726		NATIONAL 4-H COUNCIL
JUVENILE MENTORING PROGRAM	16.726		
SPECIAL DATA COLLECTIONS AND STATISTICAL STUDIES	16.734		
PREA PROGRAM: STRATEGIC SUPPORT FOR PREA IMPLEMENTATION	16.735		
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738		
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738		
DNA BACKLOG REDUCTION PROGRAM	16.741		
PAUL COVERDELL FORENSIC SCIENCES IMPROVEMENT GRANT PROGRAM	16.742		
<i>CRIMINAL AND JUVENILE JUSTICE AND MENTAL HEALTH COLLABORATION PROGRAM</i>	16.745		BIBB COUNTY SHERIFF'S OFFICE
<i>CRIMINAL AND JUVENILE JUSTICE AND MENTAL HEALTH COLLABORATION PROGRAM</i>	16.745		FULTON COUNTY
<i>CRIMINAL AND JUVENILE JUSTICE AND MENTAL HEALTH COLLABORATION PROGRAM</i>	16.745		NEWTON COUNTY
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751		
SECOND CHANCE ACT REENTRY INITIATIVE	16.812		
JOHN R. JUSTICE PROSECUTORS AND DEFENDERS INCENTIVE ACT	16.816		
VISION 21	16.826		
<i>JUSTICE REINVESTMENT INITIATIVE</i>	16.827		THE COUNCIL OF STATE GOVERNMENTS

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
5644UGNPS5414		\$563	\$838,953	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$7,399	\$838,390	\$838,953	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$67,069	\$67,069	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$80,337	\$37,099,168			
	\$777,865	\$813,525	\$813,525	N/A	\$0
	\$11,327	\$85,721	\$85,721	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		-\$75	-\$75	N/A	\$0
	\$121,326	\$123,385	\$123,385	N/A	\$0
		\$247,561	\$247,561	N/A	\$0
	\$96,873	\$96,873	\$96,873	N/A	\$0
	\$745,430	\$962,258	\$962,258	N/A	\$0
		\$467,130	\$467,130	N/A	\$0
		\$13,650	\$13,650	N/A	\$0
CON006958		\$102,812	\$773,107	N/A	\$0
		\$5,406	\$773,107	N/A	\$0
CON004258		-\$84	\$773,107	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD 0798		\$36,657	\$773,107	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,174	\$628,316	\$773,107	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2015-VA-GX-0057		\$79,755	\$69,949,470	N/A	\$0
	\$51,554,643	\$69,869,715	\$69,949,470	N/A	\$0
		\$11,150,233	\$11,150,233	N/A	\$0
	\$214,351	\$214,351	\$317,070	N/A	\$0
2018CVJC		\$56,737	\$317,070	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5708501		\$45,982	\$317,070	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$122,100	\$122,100	\$122,100	N/A	\$0
	\$3,892,142	\$4,851,352	\$4,851,352	N/A	\$0
		\$116,910	\$116,910	N/A	\$0
	\$40,952	\$348,659	\$348,659	N/A	\$0
		\$105,304	\$105,304	N/A	\$0
		\$916,219	\$916,219	N/A	\$0
		\$1,425	\$168,008	N/A	\$0
	\$156,681	\$166,583	\$168,008	RESEARCH AND DEVELOPMENT	\$1,033,282,522
001-98-07SA		\$443	\$443	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$148,455	\$148,455	N/A	\$0
2018-JU-FX-0005		\$53,091	\$81,625	N/A	\$0
		\$28,534	\$81,625	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$22,489	\$22,489	N/A	\$0
		\$86,506	\$86,506	N/A	\$0
	\$4,387,977	\$6,984,195	\$7,139,319	N/A	\$0
		\$155,124	\$7,139,319	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$2,537,686	\$2,537,686	N/A	\$0
		\$198,450	\$198,450	N/A	\$0
2016-MO-BX-0021		\$6,740	\$92,957	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5582201		\$17,678	\$92,957	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2017MOBX0024		\$68,539	\$92,957	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$125,030	\$125,030	N/A	\$0
		\$612,883	\$612,883	N/A	\$0
		\$51,658	\$51,658	N/A	\$0
		\$365	\$365	N/A	\$0
31801		\$179,740	\$179,740	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
JUSTICE REINVESTMENT INITIATIVE	16.827		
NATIONAL SEXUAL ASSAULT KIT INITIATIVE	16.833		
<i>STOP SCHOOL VIOLENCE</i>	16.839		BEN HILL COUNTY
<i>STOP SCHOOL VIOLENCE</i>	16.839		COFFEE COUNTY
EQUITABLE SHARING PROGRAM	16.922		
<i>FIELD MEDICAL SUPPORT PROGRAM</i>	16.U05	J-FBI-13-060	VIGHTER MEDICAL GROUP, LLC
DEA OVERTIME	16.U06	29001	
		ICE	
		OVERTIME	
		REIMBURSE-	
		MENT	
JOINT LAW ENFORCEMENT OPERATIONS	16.U07		
DOJ, FBI,DEA COOPERATIVE AGREEMENTS	16.U08	15007	
DOJ FBI JTTF OCDEF OVERTIME	16.U09	FS11404	
TOTAL DEPARTMENT OF JUSTICE			
DEPARTMENT OF LABOR			
LABOR FORCE STATISTICS	17.002		
<i>LABOR FORCE STATISTICS</i>	17.002		MIDDLE GEORGIA REGIONAL COMMISSION
COMPENSATION AND WORKING CONDITIONS	17.005		
EMPLOYMENT SERVICE/WAGNER-PEYSER FUNDED ACTIVITIES	17.207		
UNEMPLOYMENT INSURANCE	17.225		
SENIOR COMMUNITY SERVICE EMPLOYMENT PROGRAM	17.235		
TRADE ADJUSTMENT ASSISTANCE	17.245		
<i>WIOA ADULT PROGRAM</i>	17.258		CITY OF COLQUITT
<i>WIOA ADULT PROGRAM</i>	17.258		ATLANTA REGIONAL COMMISSION
			CENTRAL SAVANNAH RIVER AREA REGIONAL COMMISSION
<i>WIOA ADULT PROGRAM</i>	17.258		CITY OF MACON
<i>WIOA ADULT PROGRAM</i>	17.258		GEORGIA MOUNTAINS REGIONAL COMMISSION
<i>WIOA ADULT PROGRAM</i>	17.258		MIDDLE GEORGIA CONSORTIUM, INC.
<i>WIOA ADULT PROGRAM</i>	17.258		NORTHEAST GEORGIA REGIONAL COMMISSION
<i>WIOA ADULT PROGRAM</i>	17.258		NORTHEAST GEORGIA REGIONAL COMMISSION
<i>WIOA ADULT PROGRAM</i>	17.258		NORTHWEST GEORGIA REGIONAL COMMISSION
<i>WIOA ADULT PROGRAM</i>	17.258		NORTHWEST GEORGIA REGIONAL COMMISSION
<i>WIOA ADULT PROGRAM</i>	17.258		NORTHWEST GEORGIA REGIONAL COMMISSION
<i>WIOA ADULT PROGRAM</i>	17.258		RIVER VALLEY REGIONAL COMMISSION
<i>WIOA ADULT PROGRAM</i>	17.258		SAMUELI INSTITUTE
			WEST CENTRAL GEORGIA WORKFORCE DEVELOPMENT CORPORATION
<i>WIOA ADULT PROGRAM</i>	17.258		
WIOA ADULT PROGRAM	17.258		
<i>WIOA YOUTH ACTIVITIES</i>	17.259		GEORGIA MOUNTAINS REGIONAL COMMISSION
<i>WIOA YOUTH ACTIVITIES</i>	17.259		MIDDLE GEORGIA CONSORTIUM, INC.
<i>WIOA YOUTH ACTIVITIES</i>	17.259		NORTHEAST GEORGIA REGIONAL COMMISSION
<i>WIOA YOUTH ACTIVITIES</i>	17.259		NORTHEAST GEORGIA REGIONAL COMMISSION
<i>WIOA YOUTH ACTIVITIES</i>	17.259		NORTHEAST GEORGIA REGIONAL COMMISSION
<i>WIOA YOUTH ACTIVITIES</i>	17.259		NORTHWEST GEORGIA REGIONAL COMMISSION
<i>WIOA YOUTH ACTIVITIES</i>	17.259		SAMUELI INSTITUTE
			WEST CENTRAL GEORGIA WORKFORCE DEVELOPMENT CORPORATION
<i>WIOA YOUTH ACTIVITIES</i>	17.259		
WIOA YOUTH ACTIVITIES	17.259		
WIOA PILOTS, DEMONSTRATIONS, AND RESEARCH PROJECTS	17.261		
H-1B JOB TRAINING GRANTS	17.268		
<i>REENTRY EMPLOYMENT OPPORTUNITIES</i>	17.270		URBAN LEAGUE OF GREATER ATLANTA
WORK OPPORTUNITY TAX CREDIT PROGRAM (WOTC)	17.271		
TEMPORARY LABOR CERTIFICATION FOR FOREIGN WORKERS	17.273		
<i>YOUTHBUILD</i>	17.274		FUTURE SEEKERS, INC.
YOUTHBUILD	17.274		
WIOA NATIONAL DISLOCATED WORKER GRANTS / WIA NATIONAL EMERGENCY GRANTS	17.277		
<i>WIOA DISLOCATED WORKER FORMULA GRANTS</i>	17.278		SOUTHERN GEORGIA REGIONAL COMMISSION
<i>WIOA DISLOCATED WORKER FORMULA GRANTS</i>	17.278		CITY OF MACON
<i>WIOA DISLOCATED WORKER FORMULA GRANTS</i>	17.278		MIDDLE GEORGIA CONSORTIUM, INC.
<i>WIOA DISLOCATED WORKER FORMULA GRANTS</i>	17.278		MIDDLE GEORGIA CONSORTIUM, INC.
<i>WIOA DISLOCATED WORKER FORMULA GRANTS</i>	17.278		NORTHEAST GEORGIA REGIONAL COMMISSION

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$0	\$179,740	N/A	\$0
	\$512,915	\$818,851	\$818,851	N/A	\$0
2018SVWX0011		\$28,404	\$103,404	N/A	\$0
2018SVWX0057		\$75,000	\$103,404	N/A	\$0
		\$1,738,183	\$1,738,183	N/A	\$0
J-FBI-13-060		\$6,153	\$6,153	N/A	\$0
		\$367,117	\$367,117	N/A	\$0
		\$5,958	\$5,958	N/A	\$0
		\$269,923	\$269,923	N/A	\$0
		\$21,895	\$21,895	N/A	\$0
	\$62,636,756	\$106,237,550			
		\$1,435,326	\$1,437,902	N/A	\$0
5513801		\$2,576	\$1,437,902	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$219,020	\$219,020	N/A	\$0
		\$13,089,949	\$13,089,949	EMPLOYMENT SERVICE CLUSTER	\$18,885,383
		\$345,018,469	\$345,018,469	N/A	\$0
	\$1,502,053	\$1,605,776	\$1,605,776	N/A	\$0
		\$4,813,829	\$4,813,829	N/A	\$0
5783001		\$42,427	\$33,968,604	RESEARCH AND DEVELOPMENT	\$1,033,282,522
WD1817.2		\$445,806	\$33,968,604	WIOA CLUSTER	\$106,528,160
WIOA1		\$198,507	\$33,968,604	WIOA CLUSTER	\$106,528,160
MOA2018MGRC-AD		\$2,826	\$33,968,604	WIOA CLUSTER	\$106,528,160
FY19ADULT		\$147,819	\$33,968,604	WIOA CLUSTER	\$106,528,160
17-11-19-AD		\$235,221	\$33,968,604	WIOA CLUSTER	\$106,528,160
25859		\$136,072	\$33,968,604	WIOA CLUSTER	\$106,528,160
2919A		\$1,941,194	\$33,968,604	WIOA CLUSTER	\$106,528,160
01-15-108-CA1		\$317,765	\$33,968,604	WIOA CLUSTER	\$106,528,160
01-15-114		\$363,768	\$33,968,604	WIOA CLUSTER	\$106,528,160
82717001		\$258,510	\$33,968,604	WIOA CLUSTER	\$106,528,160
11-15-16-08-015`		\$244,688	\$33,968,604	WIOA CLUSTER	\$106,528,160
16-05-01		\$286,492	\$33,968,604	WIOA CLUSTER	\$106,528,160
270529166		\$102,018	\$33,968,604	WIOA CLUSTER	\$106,528,160
	\$27,426,866	\$29,245,491	\$33,968,604	WIOA CLUSTER	\$106,528,160
PY16GED		\$149,616	\$29,722,741	WIOA CLUSTER	\$106,528,160
17-11-24		\$280,606	\$29,722,741	WIOA CLUSTER	\$106,528,160
25752		\$66,015	\$29,722,741	WIOA CLUSTER	\$106,528,160
25995/35994		\$169,394	\$29,722,741	WIOA CLUSTER	\$106,528,160
2919Y		\$115,141	\$29,722,741	WIOA CLUSTER	\$106,528,160
01-15-20-989		\$670,652	\$29,722,741	WIOA CLUSTER	\$106,528,160
16-05-02		\$57,984	\$29,722,741	WIOA CLUSTER	\$106,528,160
270529166		\$124,698	\$29,722,741	WIOA CLUSTER	\$106,528,160
	\$27,728,576	\$28,088,635	\$29,722,741	WIOA CLUSTER	\$106,528,160
		\$1,172,416	\$1,172,416	N/A	\$0
		\$1,011,562	\$1,011,562	N/A	\$0
35222		\$5,413	\$5,413	N/A	\$0
		\$380,596	\$380,596	N/A	\$0
		\$775,039	\$775,039	N/A	\$0
35320		\$10,120	\$95,037	N/A	\$0
		\$84,917	\$95,037	N/A	\$0
		\$151,286	\$151,286	N/A	\$0
1714CFDA17278		\$50,920	\$42,930,162	RESEARCH AND DEVELOPMENT	\$1,033,282,522
MOA2018MGRC-DW		\$2,503	\$42,930,162	WIOA CLUSTER	\$106,528,160
17-11-19-DW		\$249,596	\$42,930,162	WIOA CLUSTER	\$106,528,160
WIA2019		\$82,314	\$42,930,162	WIOA CLUSTER	\$106,528,160
2919D		\$125,457	\$42,930,162	WIOA CLUSTER	\$106,528,160

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>WIOA DISLOCATED WORKER FORMULA GRANTS</i>	17.278		RIVER VALLEY REGIONAL COMMISSION
<i>WIOA DISLOCATED WORKER FORMULA GRANTS</i>	17.278		SAMUELI INSTITUTE
<i>WIOA DISLOCATED WORKER FORMULA GRANTS</i>	17.278		WEST CENTRAL GEORGIA WORKFORCE DEVELOPMENT CORPORATION
WIOA DISLOCATED WORKER FORMULA GRANTS	17.278		
TRADE ADJUSTMENT ASSISTANCE COMMUNITY COLLEGE AND CAREER TRAINING (TAACCCT) GRANTS	17.282		
OCCUPATIONAL SAFETY AND HEALTH SUSAN HARWOOD TRAINING GRANTS	17.502		
OCCUPATIONAL SAFETY AND HEALTH SUSAN HARWOOD TRAINING GRANTS	17.502		
CONSULTATION AGREEMENTS	17.504		
MINE HEALTH AND SAFETY GRANTS	17.600		
BROOKWOOD-SAGO GRANT	17.603		
DEPARTMENT OF LABOR CHIEF EVALUATION OFFICE	17.791		
DISABLED VETERANS' OUTREACH PROGRAM (DVOP)	17.801		
TOTAL DEPARTMENT OF LABOR			
DEPARTMENT OF STATE			
<i>ACADEMIC EXCHANGE PROGRAMS - UNDERGRADUATE PROGRAMS</i>	19.009		IREX
<i>ACADEMIC EXCHANGE PROGRAMS - UNDERGRADUATE PROGRAMS</i>	19.009		IREX
<i>ACADEMIC EXCHANGE PROGRAMS - UNDERGRADUATE PROGRAMS</i>	19.009		IREX
<i>ACADEMIC EXCHANGE PROGRAMS - UNDERGRADUATE PROGRAMS</i>	19.009		IREX
<i>ACADEMIC EXCHANGE PROGRAMS - UNDERGRADUATE PROGRAMS</i>	19.009		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
INTERNATIONAL PROGRAMS TO COMBAT HUMAN TRAFFICKING	19.019		
<i>INVESTING IN PEOPLE IN THE MIDDLE EAST AND NORTH AFRICA</i>	19.021		IREX
<i>INVESTING IN PEOPLE IN THE MIDDLE EAST AND NORTH AFRICA</i>	19.021		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>INVESTING IN PEOPLE IN THE MIDDLE EAST AND NORTH AFRICA</i>	19.021		IREX
GLOBAL THREAT REDUCTION	19.033		
PUBLIC DIPLOMACY PROGRAMS	19.040		
PUBLIC DIPLOMACY PROGRAMS	19.040		
<i>ACADEMIC EXCHANGE PROGRAMS - GRADUATE STUDENTS</i>	19.400		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>PUBLIC DIPLOMACY PROGRAMS FOR AFGHANISTAN AND PAKISTAN</i>	19.501		CONSTELLIS GROUP, INC.
<i>PUBLIC DIPLOMACY PROGRAMS FOR AFGHANISTAN AND PAKISTAN</i>	19.501		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
AEECA/ESF PD PROGRAMS	19.900		
EXPORT CONTROL AND RELATED BORDER SECURITY	19.901		
TOTAL DEPARTMENT OF STATE			
DEPARTMENT OF TRANSPORTATION			
AIRPORT IMPROVEMENT PROGRAM	20.106		
<i>AVIATION RESEARCH GRANTS</i>	20.108		THE NATIONAL INSTITUTE OF AEROSPACE
AVIATION RESEARCH GRANTS	20.108		
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109		
<i>HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM</i>	20.200		THE NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE
<i>HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM</i>	20.200		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM</i>	20.200		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM</i>	20.200		NATIONAL ACADEMY OF SCIENCES
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		
HIGHWAY PLANNING AND CONSTRUCTION	20.205		
<i>HIGHWAY PLANNING AND CONSTRUCTION</i>	20.205		ICF INTERNATIONAL, INC.
HIGHWAY PLANNING AND CONSTRUCTION	20.205		
HIGHWAY TRAINING AND EDUCATION	20.215		
HIGHWAY TRAINING AND EDUCATION	20.215		
MOTOR CARRIER SAFETY ASSISTANCE	20.218		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
31-15-16-08-015		\$12,252	\$42,930,162	WIOA CLUSTER	\$106,528,160
16-06-03		\$8,816	\$42,930,162	WIOA CLUSTER	\$106,528,160
581656795		\$421,382	\$42,930,162	WIOA CLUSTER	\$106,528,160
	\$33,306,238	\$41,976,922	\$42,930,162	WIOA CLUSTER	\$106,528,160
		\$79,004	\$79,004	N/A	\$0
		\$101,507	\$360,022	N/A	\$0
		\$258,515	\$360,022	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,544,859	\$1,544,859	N/A	\$0
		\$225,525	\$225,525	N/A	\$0
		\$16,030	\$16,030	N/A	\$0
		\$32,862	\$32,862	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$5,795,434	\$5,795,434	EMPLOYMENT SERVICE CLUSTER	\$18,885,383
	\$89,963,733	\$484,451,537			
CON006322		-\$548	\$311,466	N/A	\$0
198803		\$26,093	\$311,466	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010159		\$89,618	\$311,466	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011488		\$58,922	\$311,466	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-ECAGD-15-CA-1074-001		\$137,381	\$311,466	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$176,888	\$176,888	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SP00010841		\$0	\$259	N/A	\$0
SIZ-100-15-GR025		\$259	\$259	N/A	\$0
CON002641		\$0	\$259	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$4,145	\$52,231	\$52,231	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$50,090	\$97,487	N/A	\$0
		\$47,397	\$97,487	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-ECAGD-15-CA-1015		\$1,613	\$1,613	N/A	\$0
CON002249		-\$7	-\$5,870	N/A	\$0
S-PK330-13-CA-051		-\$5,863	-\$5,870	N/A	\$0
		\$129,324	\$129,324	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$464,756	\$464,756	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$4,145	\$1,228,154			
	\$46,466,290	\$47,195,908	\$47,195,908	N/A	\$0
X16-8329-GTRC		\$28,683	\$343,393	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$314,710	\$343,393	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$3,272	\$1,544,218	\$1,544,218	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FELLOWSHIP FOR MOSES IKE-SEP 2		\$24,000	\$108,612	N/A	\$0
RP 14-29		\$17,249	\$108,612	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RP 18-22/I.O. 2015-03		\$64,390	\$108,612	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HR2044015	\$1,176	\$1,176	\$108,612	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,797	\$108,612	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$78,307,455	\$1,487,821,119	\$1,487,957,891	HIGHWAY PLANNING AND CONSTRUCTION CLUSTER	\$1,489,639,111
17ANSK0018		\$32,537	\$1,487,957,891	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$24,933	\$104,235	\$1,487,957,891	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$73,224	\$82,408	N/A	\$0
		\$9,184	\$82,408	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$8,735,809	\$8,735,809	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
RECREATIONAL TRAILS PROGRAM	20.219		
TRANSPORTATION INFRASTRUCTURE FINANCE AND INNOVATION ACT (TIFIA) PROGRAM	20.223		
FEDERAL LANDS ACCESS PROGRAM	20.224		
PERFORMANCE AND REGISTRATION INFORMATION SYSTEMS MANAGEMENT	20.231		
COMMERCIAL DRIVER'S LICENSE PROGRAM IMPLEMENTATION GRANT	20.232		
COMMERCIAL MOTOR VEHICLE OPERATOR SAFETY TRAINING GRANTS	20.235		
MOTOR CARRIER SAFETY ASSISTANCE HIGH PRIORITY ACTIVITIES GRANTS AND COOPERATIVE AGREEMENTS	20.237		
HIGH-SPEED RAIL CORRIDORS AND INTERCITY PASSENGER RAIL SERVICE - CAPITAL ASSISTANCE GRANTS	20.319		
FEDERAL TRANSIT CAPITAL INVESTMENT GRANTS	20.500		
METROPOLITAN TRANSPORTATION PLANNING AND STATE AND NON-METROPOLITAN PLANNING AND RESEARCH	20.505		
FEDERAL TRANSIT FORMULA GRANTS	20.507		
FORMULA GRANTS FOR RURAL AREAS	20.509		
ENHANCED MOBILITY OF SENIORS AND INDIVIDUALS WITH DISABILITIES	20.513		
JOB ACCESS AND REVERSE COMMUTE PROGRAM	20.516		
NEW FREEDOM PROGRAM	20.521		
ALTERNATIVES ANALYSIS	20.522		
STATE OF GOOD REPAIR GRANTS PROGRAM	20.525		
BUS AND BUS FACILITIES FORMULA PROGRAM	20.526		
RAIL FIXED GUIDEWAY PUBLIC TRANSPORTATION SYSTEM STATE SAFETY OVERSIGHT FORMULA GRANT PROGRAM	20.528		
<i>STATE AND COMMUNITY HIGHWAY SAFETY</i>	20.600		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
STATE AND COMMUNITY HIGHWAY SAFETY	20.600		
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION (NHTSA) DISCRETIONARY SAFETY GRANTS AND COOPERATIVE AGREEMENTS	20.614		
<i>NATIONAL PRIORITY SAFETY PROGRAMS</i>	20.616		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
NATIONAL PRIORITY SAFETY PROGRAMS	20.616		
PIPELINE SAFETY PROGRAM STATE BASE GRANT	20.700		
<i>UNIVERSITY TRANSPORTATION CENTERS PROGRAM</i>	20.701		MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY
<i>UNIVERSITY TRANSPORTATION CENTERS PROGRAM</i>	20.701		MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY
<i>UNIVERSITY TRANSPORTATION CENTERS PROGRAM</i>	20.701		MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY
<i>UNIVERSITY TRANSPORTATION CENTERS PROGRAM</i>	20.701		TEXAS A&M UNIVERSITY
<i>UNIVERSITY TRANSPORTATION CENTERS PROGRAM</i>	20.701		UNIVERSITY OF FLORIDA
<i>UNIVERSITY TRANSPORTATION CENTERS PROGRAM</i>	20.701		UNIVERSITY OF TEXAS AT ARLINGTON
<i>UNIVERSITY TRANSPORTATION CENTERS PROGRAM</i>	20.701		UNIVERSITY OF TEXAS AT ARLINGTON
<i>UNIVERSITY TRANSPORTATION CENTERS PROGRAM</i>	20.701		UNIVERSITY OF TEXAS AT ARLINGTON
<i>UNIVERSITY TRANSPORTATION CENTERS PROGRAM</i>	20.701		UNIVERSITY OF TEXAS AT ARLINGTON
INTERAGENCY HAZARDOUS MATERIALS PUBLIC SECTOR TRAINING AND PLANNING GRANTS	20.703		
BIOBASED TRANSPORTATION RESEARCH	20.761		
<i>RESEARCH GRANTS</i>	20.762		AMERICAN PLANNING ASSOCIATION
<i>RESEARCH GRANTS</i>	20.762		ARIZONA STATE UNIVERSITY
<i>RESEARCH GRANTS</i>	20.762		BOOZ ALLEN HAMILTON, INC.
<i>RESEARCH GRANTS</i>	20.762		CREARE, LLC
<i>RESEARCH GRANTS</i>	20.762		HDR, INC.
<i>RESEARCH GRANTS</i>	20.762		THE NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE
<i>RESEARCH GRANTS</i>	20.762		TRANSPORTATION RESEARCH BOARD
<i>RESEARCH GRANTS</i>	20.762		TRANSPORTATION RESEARCH BOARD
<i>RESEARCH GRANTS</i>	20.762		TRANSPORTATION RESEARCH BOARD
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF CALIFORNIA, DAVIS
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF CALIFORNIA, DAVIS
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF FLORIDA
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF FLORIDA
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF FLORIDA
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF FLORIDA
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF FLORIDA
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF FLORIDA
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF FLORIDA
<i>RESEARCH GRANTS</i>	20.762		UNIVERSITY OF FLORIDA

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$1,817,961	\$1,817,961	HIGHWAY PLANNING AND CONSTRUCTION CLUSTER	\$1,489,639,111
		\$248,165,625	\$248,165,625	N/A	\$0
		\$31	\$31	HIGHWAY PLANNING AND CONSTRUCTION CLUSTER	\$1,489,639,111
		\$331,760	\$331,760	N/A	\$0
		\$313,782	\$313,782	N/A	\$0
		\$47,704	\$47,704	N/A	\$0
		\$185,657	\$185,657	N/A	\$0
		\$61,505	\$61,505	N/A	\$0
		\$811,478	\$811,478	FEDERAL TRANSIT CLUSTER	\$27,376,142
	\$2,258,170	\$2,507,377	\$2,507,377	N/A	\$0
	\$16,345,866	\$24,279,167	\$24,279,167	FEDERAL TRANSIT CLUSTER	\$27,376,142
	\$12,766,213	\$17,934,065	\$17,934,065	N/A	\$0
		\$8,564,403	\$8,564,403	TRANSIT SERVICES PROGRAMS CLUSTER	\$9,478,577
	\$814,076	\$869,225	\$869,225	TRANSIT SERVICES PROGRAMS CLUSTER	\$9,478,577
		\$44,949	\$44,949	TRANSIT SERVICES PROGRAMS CLUSTER	\$9,478,577
		\$7,673	\$7,673	N/A	\$0
		\$750,466	\$750,466	FEDERAL TRANSIT CLUSTER	\$27,376,142
	\$1,476,226	\$1,535,031	\$1,535,031	FEDERAL TRANSIT CLUSTER	\$27,376,142
		\$699,285	\$699,285	N/A	\$0
63828383-12		\$5,084	\$7,348,033	HIGHWAY SAFETY CLUSTER	\$14,526,918
	\$3,811,604	\$7,342,949	\$7,348,033	HIGHWAY SAFETY CLUSTER	\$14,526,918
		\$124,933	\$124,933	N/A	\$0
YA-2018402TSP-010		\$12,111	\$7,178,885	HIGHWAY SAFETY CLUSTER	\$14,526,918
	\$673,007	\$7,166,774	\$7,178,885	HIGHWAY SAFETY CLUSTER	\$14,526,918
		\$1,244,916	\$1,244,916	N/A	\$0
00055082-02A		\$51,225	\$463,854	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00055082-02B		\$80,373	\$463,854	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00055082-02C		\$61,930	\$463,854	RESEARCH AND DEVELOPMENT	\$1,033,282,522
12-5171237		\$189,678	\$463,854	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00011673		\$12,000	\$463,854	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CTEDD 017-02; TO# 2A		\$12,503	\$463,854	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CTEDD 017-03; TO# 2B		\$37,063	\$463,854	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CTEDD 017-04; TO #2C		\$6,410	\$463,854	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CTEDD 018-02		\$12,672	\$463,854	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$561,657	\$561,657	N/A	\$0
		\$46,437	\$46,437	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGMT DTD 7/24/18		\$51,717	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
17-166		\$407,776	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S901463BAH		\$98,504	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
6913G618C100008		\$516	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO#1000100006996		\$25,000	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HR-01-60		\$99,856	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HR 08-102 ITEM 12		\$19,313	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
NCHRP-214		\$32,618	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TCRP J-11(028)		\$60,000	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
201302432-04; PO# 38352		\$47,900	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A17-0183-S002		\$405,521	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AMEND #6 (UFDSP00011673)		\$23,254	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AMEND #7 (UFDSP00011673)		\$38,398	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PROJECT A2: UF DSP00011673		\$85,000	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UF DSP00011673 - PROJECT Q2		\$1,049	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UF DSP00011673 (AMEND 4)		\$68,492	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UF DSP00011673 AMEND. 5		\$11,308	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UF DSP00011673-AMEND 1		\$10,108	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
RESEARCH GRANTS	20.762		UNIVERSITY OF TEXAS AT ARLINGTON
RESEARCH GRANTS	20.762		UNIVERSITY OF TEXAS AT ARLINGTON
RESEARCH GRANTS	20.762		
NATIONALLY SIGNIFICANT FREIGHT AND HIGHWAY PROJECTS	20.934		
TOTAL DEPARTMENT OF TRANSPORTATION			
DEPARTMENT OF TREASURY			
VOLUNTEER INCOME TAX ASSISTANCE (VITA) MATCHING GRANT PROGRAM	21.009		BREAU UNIVERSITY
EQUITABLE SHARING	21.016		
NATIONAL FORECLOSURE MITIGATION COUNSELING PROGRAM	21.U10	PL 114-113X1350	NEIGHBORHOOD REINVESTMENT CORPORATION
TOTAL DEPARTMENT OF TREASURY			
APPALACHIAN REGIONAL COMMISSION			
APPALACHIAN AREA DEVELOPMENT	23.002		APPALACHIAN REGIONAL COMMISSION
APPALACHIAN AREA DEVELOPMENT	23.002		APPALACHIAN REGIONAL COMMISSION
APPALACHIAN AREA DEVELOPMENT	23.002		
APPALACHIAN RESEARCH, TECHNICAL ASSISTANCE, AND DEMONSTRATION PROJECTS	23.011		
TOTAL APPALACHIAN REGIONAL COMMISSION			
EQUAL EMPLOYMENT OPPORTUNITY COMMISSION			
EMPLOYMENT DISCRIMINATION TITLE VII OF THE CIVIL RIGHTS ACT OF 1964	30.001		
TOTAL EQUAL EMPLOYMENT OPPORTUNITY COMMISSION			
GENERAL SERVICES ADMINISTRATION			
DONATION OF FEDERAL SURPLUS PERSONAL PROPERTY	39.003		
TOTAL GENERAL SERVICES ADMINISTRATION			
NATIONAL AERONAUTICS & SPACE ADMINISTRATION			
SCIENCE	43.001		AUBURN UNIVERSITY
SCIENCE	43.001		AURORA FLIGHT SCIENCES
SCIENCE	43.001		DARTMOUTH COLLEGE
SCIENCE	43.001		FLORIDA INTERNATIONAL UNIVERSITY
SCIENCE	43.001		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
SCIENCE	43.001		HARVARD UNIVERSITY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		JET PROPULSION LABORATORY
SCIENCE	43.001		MASSACHUSETTS INSTITUTE OF TECHNOLOGY
SCIENCE	43.001		NORTH CAROLINA STATE UNIVERSITY

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
CTEDD 018-07		\$34,367	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CTEDD 018-08		\$35,825	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$9,997	\$363,156	\$1,919,678	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$19,678,617	\$19,678,617	N/A	\$0
	<u>\$162,958,285</u>	<u>\$1,893,462,393</u>			
AWD00009708		\$5,015	\$5,015	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$115,104	\$115,104	N/A	\$0
PL112-1095X1350		\$426	\$426	N/A	\$0
		<u>\$120,545</u>			
35417001		\$263	\$2,671,131	N/A	\$0
GA-18660-302-16		\$8,778	\$2,671,131	N/A	\$0
	\$2,579,315	\$2,662,090	\$2,671,131	N/A	\$0
	\$92,386	\$418,710	\$418,710	N/A	\$0
	<u>\$2,671,701</u>	<u>\$3,089,841</u>			
		-\$4,217	-\$4,217	N/A	\$0
		<u>-\$4,217</u>			
		\$7,388,169	\$7,388,169	N/A	\$0
		<u>\$7,388,169</u>			
15PHY209376UGARF		\$17,407	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AFSA4-2379		\$13,150	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R1017		\$19,664	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
800007887-01UG		\$119,615	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-13		\$41,167	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TM7-18008X		\$67,717	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1570950		\$44,545	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1586278		\$53,367	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1586691		\$21,557	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1587199		\$951	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1587222		\$7,852	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1587288		\$7,677	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1588482		\$21,995	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1596803		\$10,373	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1609494		\$49,263	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1611139		\$75,205	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1614730		\$13,845	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1614809		\$6,749	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1616612		\$70,882	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1619992		\$24,933	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1626782		\$6,804	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1627916		\$24,979	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1627988		\$1,116	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5710004050		\$202,474	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2016264601		\$11,488	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
SCIENCE	43.001		NORTHERN ARIZONA UNIVERSITY
SCIENCE	43.001		PENNSYLVANIA STATE UNIVERSITY
SCIENCE	43.001		PREDICTIVE SCIENCE, INC.
SCIENCE	43.001		SOUTHWEST RESEARCH INSTITUTE
SCIENCE	43.001		SPACE TELESCOPE SCIENCE INSTITUTE
SCIENCE	43.001		THE NATIONAL INSTITUTE OF AEROSPACE
SCIENCE	43.001		TROUT UNLIMITED - NATIONAL OFFICE
SCIENCE	43.001		UNIVERSITY OF CALIFORNIA
SCIENCE	43.001		UNIVERSITY OF CALIFORNIA
SCIENCE	43.001		UNIVERSITY OF CALIFORNIA, LOS ANGELES
SCIENCE	43.001		UNIVERSITY OF CALIFORNIA, RIVERSIDE
SCIENCE	43.001		UNIVERSITY OF MASSACHUSETTS
SCIENCE	43.001		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
SCIENCE	43.001		YALE UNIVERSITY
SCIENCE	43.001		
AERONAUTICS	43.002		
AERONAUTICS	43.002		ADVANCED ROTORCRAFT TECHNOLOGY, INC.
AERONAUTICS	43.002		BOOZ ALLEN HAMILTON, INC.
AERONAUTICS	43.002		CROWN CONSULTING, INC.
AERONAUTICS	43.002		CROWN CONSULTING, INC.
AERONAUTICS	43.002		CROWN CONSULTING, INC.
AERONAUTICS	43.002		CROWN CONSULTING, INC.
AERONAUTICS	43.002		CROWN CONSULTING, INC.
AERONAUTICS	43.002		CROWN CONSULTING, INC.
AERONAUTICS	43.002		DNC PARKS & RESORTS AT KSC, INC.
AERONAUTICS	43.002		DNC PARKS & RESORTS AT KSC, INC.
AERONAUTICS	43.002		IRVINE SENSORS CORPORATION
AERONAUTICS	43.002		IRVINE SENSORS CORPORATION
AERONAUTICS	43.002		JACOBS TECHNOLOGY, INC.
AERONAUTICS	43.002		JACOBS TECHNOLOGY, INC.
AERONAUTICS	43.002		JET PROPULSION LABORATORY
AERONAUTICS	43.002		MAGNOLIA OPTICAL TECHNOLOGIES, INC.
AERONAUTICS	43.002		OEWAVES, INC.
AERONAUTICS	43.002		OHIO STATE UNIVERSITY
AERONAUTICS	43.002		PURDUE UNIVERSITY
AERONAUTICS	43.002		ROLLS-ROYCE MOTOR CARS LIMITED
AERONAUTICS	43.002		SANDIA NATIONAL LABORATORIES
AERONAUTICS	43.002		SETI INSTITUTE
AERONAUTICS	43.002		SPACE DYNAMICS LABORATORY
AERONAUTICS	43.002		SPACE TELESCOPE SCIENCE INSTITUTE
AERONAUTICS	43.002		THE BOEING COMPANY
AERONAUTICS	43.002		THE CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE, INC.
AERONAUTICS	43.002		THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY, LLC
AERONAUTICS	43.002		THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY, LLC
AERONAUTICS	43.002		THE NATIONAL INSTITUTE OF AEROSPACE
AERONAUTICS	43.002		THE NATIONAL INSTITUTE OF AEROSPACE
AERONAUTICS	43.002		THE NATIONAL INSTITUTE OF AEROSPACE
AERONAUTICS	43.002		TRACLABS, INC.
AERONAUTICS	43.002		UNIVERSITY OF COLORADO
AERONAUTICS	43.002		UNIVERSITY OF CONNECTICUT
AERONAUTICS	43.002		UNIVERSITY OF MINNESOTA
AERONAUTICS	43.002		UNIVERSITY OF TEXAS AT AUSTIN
AERONAUTICS	43.002		UNIVERSITY OF VIRGINIA
AERONAUTICS	43.002		VERUS RESEARCH
AERONAUTICS	43.002		XAVIER UNIVERSITY OF LOUISIANA
AERONAUTICS	43.002		
EXPLORATION	43.003		
EDUCATION	43.008		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION	43.008		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
1003545		\$18,830	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5953-GTRC-NASA-B50G		\$31,481	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON005498		\$110,296	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
699054X/15.12029		\$165,006	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON005818		\$3,254	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
601025		\$256,798	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
NASAGA2		\$2,352	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00009623		\$95,141	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
KK1832		\$66,654	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2090-S-RB151		\$68,129	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S-000728		\$277,597	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
601050		\$118,053	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
426689-19105		\$14,957	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
C16N12519 (CON80001051)		\$50,449	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,188,878	\$10,539,028	\$12,752,800	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$16,428	\$5,347,051	N/A	\$0
AGT DTD AUG 19, 2016		\$76,237	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S900016BAH		\$680,272	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
G025-GATECH-001 TO 03		\$83,632	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
G025-GATECH-001 TO 04		\$124,921	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TASK ORDER 02-02		\$213,795	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TASK ORDER 03		\$32,323	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TASK ORDER NO. 02		\$67,735	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TASK ORDER NO. 6		\$8,021	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
13410-2		\$295,263	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TO 1 DTD 11/18/15		\$379,238	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
80NSSC18C0087		\$65,862	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD OCT 5, 2017		\$119,717	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
80MSFC18C0011		\$41,155	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO #18N0758		\$38,231	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1562787		\$1,423	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
80NSSC18C0093		\$130,612	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
60NSSC18P2149		\$62,237	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
60061601		\$319,402	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4103-83991		\$12,769	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5100002879		\$32,301	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2005349		\$13,896	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SC3131		\$40,907	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CP0055174		\$28,449	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HST-AR-143326.001		\$8,069	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1435446		\$16,783	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GA-2019-001		\$77,539	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
134620 PROJECT # 1GA02		\$5,807	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
MSA # 115841		\$72,322	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
601036		\$639,231	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
601047		\$45,463	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
601052		\$21,229	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGT DTD AUG 25, 2017		\$99,691	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1554484		\$23,634	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
106763		\$8,245	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
H006201401		\$126,334	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#133480		\$39,064	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GD10052 152367		\$210,202	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
80NSSC18P1931		\$14,470	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
OSP-15-216811-02A		\$169,856	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$194,941	\$884,286	\$5,347,051	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$277,170	\$710,606	\$710,606	RESEARCH AND DEVELOPMENT	\$1,033,282,522
NNX15AP85H		\$7,661	\$1,044,781	N/A	\$0
63828383-14		\$10,070	\$1,044,781	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>EDUCATION</i>	43.008		<i>THE NATIONAL INSTITUTE OF AEROSPACE</i>
<i>EDUCATION</i>	43.008		<i>THE NATIONAL INSTITUTE OF AEROSPACE</i>
<i>EDUCATION</i>	43.008		<i>THE NATIONAL INSTITUTE OF AEROSPACE</i>
<i>EDUCATION</i>	43.008		<i>THE NATIONAL INSTITUTE OF AEROSPACE</i>
EDUCATION	43.008		
CROSS AGENCY SUPPORT	43.009		
SPACE TECHNOLOGY	43.012		
<i>SPACE TECHNOLOGY</i>	43.012		<i>MICHIGAN STATE UNIVERSITY</i>
SPACE TECHNOLOGY	43.012		
TOTAL NATIONAL AERONAUTICS & SPACE ADMINISTRATION			
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES			
<i>PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS</i>	45.024		<i>ARTS MIDWEST</i>
<i>PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS</i>	45.024		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
<i>PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS</i>	45.024		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024		
PROMOTION OF THE ARTS GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024		
PROMOTION OF THE ARTS PARTNERSHIP AGREEMENTS	45.025		
<i>PROMOTION OF THE HUMANITIES FEDERAL/STATE PARTNERSHIP</i>	45.129		<i>UNIVERSITY OF NORTH GEORGIA RESEARCH FOUNDATION</i>
PROMOTION OF THE HUMANITIES CHALLENGE GRANTS	45.130		
PROMOTION OF THE HUMANITIES CHALLENGE GRANTS	45.130		
PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS	45.149		
PROMOTION OF THE HUMANITIES DIVISION OF PRESERVATION AND ACCESS	45.149		
PROMOTION OF THE HUMANITIES FELLOWSHIPS AND STIPENDS	45.160		
PROMOTION OF THE HUMANITIES RESEARCH	45.161		
PROMOTION OF THE HUMANITIES RESEARCH	45.161		
PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT	45.162		
<i>PROMOTION OF THE HUMANITIES PROFESSIONAL DEVELOPMENT</i>	45.163		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
PROMOTION OF THE HUMANITIES PROFESSIONAL DEVELOPMENT	45.163		
PROMOTION OF THE HUMANITIES PROFESSIONAL DEVELOPMENT	45.163		
PROMOTION OF THE HUMANITIES PUBLIC PROGRAMS	45.164		
PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITIES	45.169		
<i>PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITIES</i>	45.169		<i>DAVIDSON COLLEGE</i>
<i>PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITIES</i>	45.169		<i>LOUISIANA STATE UNIVERSITY</i>
PROMOTION OF THE HUMANITIES OFFICE OF DIGITAL HUMANITIES	45.169		
<i>MUSEUMS FOR AMERICA</i>	45.301		<i>GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.</i>
MUSEUMS FOR AMERICA	45.301		
MUSEUMS FOR AMERICA	45.301		
GRANTS TO STATES	45.310		
NATIONAL LEADERSHIP GRANTS	45.312		
NATIONAL LEADERSHIP GRANTS	45.312		
LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM	45.313		
PEACE CORPS GLOBAL HEALTH AND PEPFAR INITIATIVE PROGRAM	45.400		
TOTAL INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES			
NATIONAL SCIENCE FOUNDATION			
<i>ENGINEERING GRANTS</i>	47.041		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
ENGINEERING GRANTS	47.041		
<i>ENGINEERING GRANTS</i>	47.041		<i>ARIZONA STATE UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	47.041		<i>ARIZONA STATE UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	47.041		<i>ARIZONA STATE UNIVERSITY</i>

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
201077-GTRC		\$47,590	\$1,044,781	RESEARCH AND DEVELOPMENT	\$1,033,282,522
201078-GTRC		\$133,014	\$1,044,781	RESEARCH AND DEVELOPMENT	\$1,033,282,522
201123-GTRC		\$15,000	\$1,044,781	RESEARCH AND DEVELOPMENT	\$1,033,282,522
301001-GTRC		\$246,167	\$1,044,781	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$195,800	\$585,279	\$1,044,781	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$109,674	\$109,674	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$68,190	\$1,246,495	N/A	\$0
160706024		\$134,836	\$1,246,495	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$13,406	\$1,043,469	\$1,246,495	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,870,195	\$21,211,407			
DCA 2017-17		\$14,324	\$56,929	N/A	\$0
15-4400-7125		-\$1,862	\$56,929	N/A	\$0
16-5400-7025		-\$1,533	\$56,929	N/A	\$0
		\$10,000	\$56,929	N/A	\$0
		\$36,000	\$56,929	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$745,011	\$750,982	\$750,982	N/A	\$0
FY2019F25		\$2,000	\$2,000	N/A	\$0
		\$20,130	\$62,083	N/A	\$0
		\$41,953	\$62,083	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,580	\$149,039	N/A	\$0
		\$147,459	\$149,039	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$26,349	\$26,349	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$35,200	\$103,366	N/A	\$0
		\$68,166	\$103,366	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$26,128	\$26,128	N/A	\$0
AQ-228977-15		\$1,054	\$209,111	N/A	\$0
		\$106,780	\$209,111	N/A	\$0
		\$101,277	\$209,111	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$373	\$373	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$17,384	\$90,833	\$132,801	N/A	\$0
201702		\$18,650	\$132,801	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO0000043115		\$1,657	\$132,801	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$21,661	\$132,801	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-15		\$32,862	\$71,576	N/A	\$0
		\$9,009	\$71,576	N/A	\$0
		\$29,705	\$71,576	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$4,465,823	\$4,465,823	N/A	\$0
		\$7,213	\$15,433	N/A	\$0
		\$8,220	\$15,433	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$83,550	\$144,350	\$144,350	N/A	\$0
		\$9,629	\$9,629	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$845,945	\$6,225,972			
479436-19C57		\$11,492	\$32,483,275	N/A	\$0
		\$174,952	\$32,483,275	N/A	\$0
15-741		\$626,556	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
17-098		\$207,521	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
18-368		\$9,903	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>BINGHAMTON UNIVERSITY, STATE UNIVERSITY OF NEW YORK</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>BOSTON COLLEGE</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>CLEMSON UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>COLORADO STATE UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>COLUMBIA UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>FLORIDA STATE UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>GEORGE WASHINGTON UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>HARVARD UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>KEPLEY BIOSYSTEMS, INC.</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>LEADING EDGE CRYSTAL TECHNOLOGIES, INC.</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>LEHIGH UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>MICHIGAN STATE UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>MOREHOUSE SCHOOL OF MEDICINE</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>NORTH CAROLINA STATE UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>TEACHERS COLLEGE, COLUMBIA UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>TEXAS A&M UNIVERSITY</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>THE CITY COLLEGE OF NEW YORK</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY, LLC</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF CALIFORNIA</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF CALIFORNIA, IRVINE</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF CALIFORNIA, RIVERSIDE</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF MASSACHUSETTS</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF MASSACHUSETTS</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF MASSACHUSETTS</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF MINNESOTA</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF NEBRASKA-LINCOLN</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF NEBRASKA-LINCOLN</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF TEXAS AT AUSTIN</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF WASHINGTON</i>
<i>ENGINEERING GRANTS</i>	<i>47.041</i>		<i>UNIVERSITY OF WASHINGTON</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>MATHEMATICAL ASSOCIATION OF AMERICA</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>EMORY UNIVERSITY</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>EMORY UNIVERSITY</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.</i>
<i>MATHEMATICAL AND PHYSICAL SCIENCES</i>	<i>47.049</i>		<i>KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION</i>

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
73033		\$15,068	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010790		\$41,027	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1825-206-2010995		\$21,199	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
G0097314		\$68,881	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1(GG13910)		\$251,465	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R01706		\$41,863	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
18-510		\$58,675	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-16		\$301,154	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
124050-5104116		\$36,481	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
115-1850438		\$4,695	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1705924		\$27,682	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1741693		\$18,993	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AWD00009976		\$4,266	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGREEMENT DATED AUG 28 2018		\$55,000	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007045		\$18,684	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5710003968		\$1,179,646	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5710003973		\$124,138	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC104008GTRC		\$5,179	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO# P0044575		\$3,210	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2017-2662-01		\$68,387	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
513147		\$111,816	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
M1900051		\$24,567	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
40B88-B		\$1,127	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2004147329		\$1,328	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00009367		\$9,790	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#2016-3324		\$12,841	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S000677		\$51,206	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#083276-16801		\$35,024	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#083276-16803		\$73,296	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
078981-16550		\$20,353	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
083276-16293/GRANT CODE AC291		\$74,464	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
092559-17315		\$16,189	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S58000041772GT1		\$23,534	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S58000041772GT2		\$317	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S58000041772GT3		\$13,364	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A005261901		\$363,221	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
25-0521-0210-003		\$42,991	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
25-6221-0388-002		\$21,099	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UTA15-001072		\$120,172	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UWSC10741 BPO NO. 34658		\$97,635	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$3,346,863	\$27,992,824	\$32,483,275	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1560329		\$33,000	\$22,727,790	N/A	\$0
1800332		\$51,460	\$22,727,790	N/A	\$0
1806519		\$10,608	\$22,727,790	N/A	\$0
1820795		\$25,823	\$22,727,790	N/A	\$0
1820818		\$10,608	\$22,727,790	N/A	\$0
28184		\$4,000	\$22,727,790	N/A	\$0
		\$34	\$22,727,790	N/A	\$0
A022614		\$373,354	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T820709		\$6,353	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-17		\$128,142	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1464281		\$43,583	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		UNIVERSITY OF WISCONSIN - MADISON
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		
GEOSCIENCES	47.050		ARIZONA STATE UNIVERSITY
GEOSCIENCES	47.050		BIGELOW LABORATORY FOR OCEAN SCIENCES
GEOSCIENCES	47.050		DUKE UNIVERSITY
GEOSCIENCES	47.050		DUKE UNIVERSITY
GEOSCIENCES	47.050		FLORIDA INSTITUTE OF TECHNOLOGY
GEOSCIENCES	47.050		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
GEOSCIENCES	47.050		OPTOXENSE, INC.
GEOSCIENCES	47.050		UNIVERSITY OF CALIFORNIA, SAN DIEGO
GEOSCIENCES	47.050		UNIVERSITY OF CENTRAL FLORIDA
GEOSCIENCES	47.050		UNIVERSITY OF NEW HAMPSHIRE
GEOSCIENCES	47.050		UNIVERSITY OF NEW HAMPSHIRE
GEOSCIENCES	47.050		UNIVERSITY OF NORTH CAROLINA
GEOSCIENCES	47.050		UNIVERSITY OF SOUTHERN CALIFORNIA
GEOSCIENCES	47.050		
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		WINSTON-SALEM STATE UNIVERSITY
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		2M RESEARCH SERVICES, LLC
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		BARNARD COLLEGE
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		COMPUTING RESEARCH ASSOCIATION
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		CORNELL UNIVERSITY
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		EMORY UNIVERSITY
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		FLORIDA INTERNATIONAL UNIVERSITY
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		FLORIDA INTERNATIONAL UNIVERSITY
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		MASSACHUSETTS INSTITUTE OF TECHNOLOGY
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		PEROXYGEN SYSTEMS, INC.
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		REGENTS OF THE UNIVERSITY OF CALIFORNIA
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		SEARCH TECHNOLOGIES
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		SRI INTERNATIONAL
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		THE CONCORD CONSORTIUM
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ALABAMA
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF CALIFORNIA
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF CALIFORNIA, DAVIS
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF CONNECTICUT
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ILLINOIS
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF MICHIGAN
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF NOTRE DAME
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF PENNSYLVANIA
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF TEXAS AT AUSTIN
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF WASHINGTON
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF WISCONSIN-MILWAUKEE

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
1519606		\$23,282	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1709263		\$36,531	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1830489		\$4,104	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RG173-G3		\$63,445	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
632K273		\$63,423	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$1,504,610	\$21,850,040	\$22,727,790	RESEARCH AND DEVELOPMENT	\$1,033,282,522
18-369		\$4,966	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
BLOS 19-004		\$21,157	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#14-NSF-1074		\$107,538	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
14NSF1076		\$231,462	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
201984		\$67,909	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-18		\$17,776	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
F0691-01		\$64,191	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
83829300		\$28,950	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007253		\$7,812	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#14-059		\$39,876	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
14062		\$32,452	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5779101806		\$72,532	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
91270817		\$54,121	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$627,233	\$7,670,041	\$8,420,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
566001466		\$15	\$20,078,197	N/A	\$0
2017-NSF-10020		\$42,400	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GT-1828168		\$83,473	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CCC-GT-07012016		\$122,408	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
72954-10595		\$85,440	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T674956		\$13,540	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
800004907-02		\$220,244	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007801		\$120,986	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1566170		\$48,984	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1651092		\$13,442	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1718377		\$110,196	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RB011-G10		-\$2,205	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5710004130		\$16,991	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 12/11/17		\$16,315	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
KK1715		\$131,982	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1645237		\$54,471	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO28222		\$5,223	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
318.19.01		\$16,145	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A19-0027-S001		\$18,021	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
KK1926		\$25,214	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A18-0727-S001		\$14,723	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
177479		\$55,221	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2007-01077-59		-\$2,460	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
# 083276-17230		\$22,993	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#083276-17228		\$19,241	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
075958-16451		\$24,727	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
083276-16241/GRANT CODE AC291		\$64,554	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
083842-16099		\$268,192	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
15832		\$326	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBK00009143		\$26,402	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
202917GT		\$386,675	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007710		\$36,170	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UTA17-001353		\$46,676	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UWSC9939		\$83,759	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
183405342/144AAC6327		\$74,695	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		
<i>BIOLOGICAL SCIENCES</i>	47.074		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOLOGICAL SCIENCES</i>	47.074		ARIZONA STATE UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		ARIZONA STATE UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		ARIZONA STATE UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		CARY INSTITUTE OF ECOSYSTEM STUDIES
<i>BIOLOGICAL SCIENCES</i>	47.074		COLD SPRING HARBOR LABORATORY
<i>BIOLOGICAL SCIENCES</i>	47.074		COLORADO STATE UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		DUKE UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		EMORY UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		EMORY UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		EMORY UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>BIOLOGICAL SCIENCES</i>	47.074		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOLOGICAL SCIENCES</i>	47.074		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOLOGICAL SCIENCES</i>	47.074		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOLOGICAL SCIENCES</i>	47.074		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOLOGICAL SCIENCES</i>	47.074		MONTANA STATE UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		PENNSYLVANIA STATE UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		PRINCETON UNIVERSITY
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF CALIFORNIA, DAVIS
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF CALIFORNIA, DAVIS
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF CALIFORNIA, DAVIS
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF CALIFORNIA, RIVERSIDE
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF CONNECTICUT
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF KENTUCKY
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF MINNESOTA
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF NORTH CAROLINA
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF PITTSBURGH
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF PUERTO RICO, RÍO PIEDRAS
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF PUERTO RICO, RÍO PIEDRAS
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF SOUTH FLORIDA
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF TENNESSEE
<i>BIOLOGICAL SCIENCES</i>	47.074		UNIVERSITY OF TEXAS AT AUSTIN
<i>BIOLOGICAL SCIENCES</i>	47.074		
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		ARIZONA STATE UNIVERSITY
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		ARIZONA STATE UNIVERSITY
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		ARIZONA STATE UNIVERSITY
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		EMORY UNIVERSITY
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		GEORGE WASHINGTON UNIVERSITY
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		SEARCH TECHNOLOGIES
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		THE CITY COLLEGE OF NEW YORK
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		UNIVERSITY CONSORTIUM FOR GEOGRAPHIC SCIENCE
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		UNIVERSITY OF CALIFORNIA, DAVIS
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		UNIVERSITY OF TEXAS AT SAN ANTONIO
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		WAKE FOREST UNIVERSITY
<i>SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES</i>	47.075		
<i>EDUCATION AND HUMAN RESOURCES</i>	47.076		CARLETON COLLEGE
<i>EDUCATION AND HUMAN RESOURCES</i>	47.076		CLARK ATLANTA UNIVERSITY
<i>EDUCATION AND HUMAN RESOURCES</i>	47.076		CLARK ATLANTA UNIVERSITY
<i>EDUCATION AND HUMAN RESOURCES</i>	47.076		FLORIDA A&M UNIVERSITY

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
47958919105		\$650	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
47958919105A		\$40,000	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
480073-19034		\$3,707	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$671,132	\$17,768,661	\$20,078,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
180046		\$10,517	\$19,832,692	N/A	\$0
CON006703		\$81,564	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010575		\$6,940	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T.O. 1		\$158,102	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3354200201912		\$168,053	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
52580115 PO920982SV		\$276,572	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
G906402		\$80,703	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PEND 7/1* 333-2410		\$360	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON005810		\$1,826	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T663404		\$1,350	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T806105		\$23,265	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-19		\$170,096	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1656464		-\$508	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1714778		\$33,622	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
MCB-1244250		-\$1,341	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
G124-14-W4596		\$11,153	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4190UGNSF2742		\$28,653	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB0000263		\$1,295	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
20122333802		\$85,681	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
20150377002		\$40,963	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A170032S001A01		\$12,906	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S000905		\$5,561	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
09/01 UTA17-000642		\$155,697	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
320000196219011		\$19,799	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
H006789902		\$33,399	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
510248		\$1,553	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00455220117851		\$32,305	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2016008		\$168,178	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2019-002		\$5,741	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1211-1092-00-A		\$14,459	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A160172S004		\$5,970	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UTA17000642		\$1,025	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$4,049,743	\$18,197,233	\$19,832,692	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-20		\$7,450	\$2,689,711	N/A	\$0
		\$9,586	\$2,689,711	N/A	\$0
14-364		\$6,896	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
18-292		\$20,874	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010101		\$207,332	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T610300		\$83,157	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON006716		\$7,632	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
STI-GTRC-18-1		\$39,905	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007214		\$41,255	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1660400		\$4,680	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007633		\$40,879	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1724725		\$1,696	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
17023		\$30,211	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$229,555	\$2,188,158	\$2,689,711	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DUE1125331		-\$12	\$20,606,178	N/A	\$0
CON005018		\$17,147	\$20,606,178	N/A	\$0
HRD-0503372		\$6,435	\$20,606,178	N/A	\$0
C4438		\$6,017	\$20,606,178	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
EDUCATION AND HUMAN RESOURCES	47.076		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		ARIZONA STATE UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		AUBURN UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		CLARK ATLANTA UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		CLARK ATLANTA UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		CLARK ATLANTA UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		CLARKSON UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		FLORIDA STATE UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		INDIANA UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
EDUCATION AND HUMAN RESOURCES	47.076		MICHIGAN STATE UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		NORTHWESTERN UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		STATE OF MINNESOTA
EDUCATION AND HUMAN RESOURCES	47.076		TEMPLE UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		TUFTS UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF COLORADO
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF COLORADO
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF ILLINOIS
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF NEBRASKA
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF SOUTHERN CALIFORNIA
EDUCATION AND HUMAN RESOURCES	47.076		WESTERN MICHIGAN UNIVERSITY
EDUCATION AND HUMAN RESOURCES	47.076		
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079		
OFFICE OF CYBERINFRASTRUCTURE	47.080		
OFFICE OF INTEGRATIVE ACTIVITIES	47.083		UNIVERSITY OF KENTUCKY
TOTAL NATIONAL SCIENCE FOUNDATION			

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
63828383-21		\$341,577	\$20,606,178	N/A	\$0
115-1850468		\$5,683	\$20,606,178	N/A	\$0
1548986		-\$973	\$20,606,178	N/A	\$0
1619689		\$76,939	\$20,606,178	N/A	\$0
1725940		\$22,038	\$20,606,178	N/A	\$0
180114		\$3,645	\$20,606,178	N/A	\$0
77903-119096-3		\$771	\$20,606,178	N/A	\$0
DGE-1438858		\$27,223	\$20,606,178	N/A	\$0
DUE-1035451		\$42,583	\$20,606,178	N/A	\$0
DUE-1259954		\$91,744	\$20,606,178	N/A	\$0
DUE-1340019		\$42,232	\$20,606,178	N/A	\$0
DUE-1340020		\$77,610	\$20,606,178	N/A	\$0
DUE1660736		\$37,590	\$20,606,178	N/A	\$0
RR740-019/S001595		\$59,230	\$20,606,178	N/A	\$0
		\$583,118	\$20,606,178	N/A	\$0
17-231		\$52,655	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
30491		\$5,033	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011978		\$25,624	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RSP-09-13-215045-008		\$32,847	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RSP-2018-033-215051-008		\$10,318	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1001981		\$35,811	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009029		\$99,292	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
BL484240UGA		\$128,932	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0416-CS-PB-KSU		\$465	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1557285		\$8,882	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1711425		\$40,802	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1723586		\$47,266	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DUE-1356615		\$82,134	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC103095UG		\$95,081	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SPO049508-PROJ0013883		\$15,115	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P0032617		\$4,331	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1721041		\$41,164	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
10221400001SF0001		\$139,413	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1554503		\$123,728	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1556410		\$7,655	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
087787-16516		\$35,257	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008822		\$21,465	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AWD00009520		\$47,066	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON006494		\$6,798	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$678,117	\$18,058,447	\$20,606,178	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$144,941	\$144,941	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$31,756	\$31,756	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3200000271-16-075		\$99,857	\$99,857	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$11,107,253	\$127,115,180			

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
SMALL BUSINESS ADMINISTRATION			
<i>SMALL BUSINESS DEVELOPMENT CENTERS</i>	59.037		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
SMALL BUSINESS DEVELOPMENT CENTERS	59.037		
SMALL BUSINESS DEVELOPMENT CENTERS	59.037		
<i>VETERANS OUTREACH PROGRAM</i>	59.044		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
VETERANS OUTREACH PROGRAM	59.044		
<i>STATE TRADE EXPANSION</i>	59.061		EMORY UNIVERSITY
TOTAL SMALL BUSINESS ADMINISTRATION			
SMITHSONIAN INSTITUTION			
THE SEARCH FOR STANDARDS: MODERNITY, MARKETS, AND	60.RD	17STIP190000 0376004	
TOTAL SMITHSONIAN INSTITUTION			
DEPARTMENT OF VETERANS AFFAIRS			
VETERANS STATE NURSING HOME CARE	64.015		
POST-9/11 VETERANS EDUCATIONAL ASSISTANCE	64.028		
<i>RESEARCH AND DEVELOPMENT</i>	64.054		LIBERTY IT SOLUTIONS, LLC
RESEARCH AND DEVELOPMENT	64.054		
BURIAL EXPENSES ALLOWANCE FOR VETERANS	64.101		
POST-VIETNAM ERA VETERANS' EDUCATIONAL ASSISTANCE	64.120		
VETERANS CEMETERY GRANTS PROGRAM	64.203		
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U11	VAMC00244	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U12	VAMC002541	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U13	VAMC002511	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U14	VAMC002512	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U15	VAMC002591	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U16	VAMC0025013	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U17	VAMC0024912	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U18	VAMC0024913	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U19	VAMC002491	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U20	VAMC002497	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U21	VAMC002499	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U22	VAMC002592	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U23	VAMC0024914	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U24	VAMC002551	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U25	VAMC002496	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U26	VAMC002492	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U27	VAMC0024916	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U28	VAMC0024910	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U29	VAMC0024915	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U30	VAMC002593	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U31	VAMC002494	
CONTRACTED RESEARCH SERVICES FOR MERIT AWARDS	64.U32	VAMC002495	
DEPARTMENT OF VETERANS ADMINISTRATION OTHER FINANCIAL ASSISTANCE	64.U33	CONTRACT 36C24E19D00 05	
TOTAL DEPARTMENT OF VETERANS AFFAIRS			
ENVIRONMENTAL PROTECTION AGENCY			
STATE INDOOR RADON GRANTS	66.032		
SURVEYS, STUDIES, RESEARCH, INVESTIGATIONS, DEMONSTRATIONS, AND SPECIAL PURPOSE ACTIVITIES RELATING TO THE CLEAN AIR ACT	66.034		
NATIONAL CLEAN DIESEL EMISSIONS REDUCTION PROGRAM	66.039		
STATE CLEAN DIESEL GRANT PROGRAM	66.040		
WATER POLLUTION CONTROL STATE, INTERSTATE, AND TRIBAL PROGRAM SUPPORT	66.419		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
63828383-22		\$157,230	\$4,818,177	N/A	\$0
		\$256,436	\$4,818,177	N/A	\$0
	\$90,334	\$4,404,511	\$4,818,177	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-23		-\$5,078	\$223,431	N/A	\$0
		\$228,509	\$223,431	N/A	\$0
UL1TR002378 / A025833		\$50,970	\$50,970	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$90,334	\$5,092,578			
		\$2,613	\$2,613	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$2,613			
	\$12,195,059	\$20,418,852	\$20,418,852	N/A	\$0
		\$2,348,437	\$2,348,437	N/A	\$0
17-GTRC-0001		\$57,836	\$128,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$71,108	\$128,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$294,420	\$294,420	N/A	\$0
		\$766,530	\$766,530	N/A	\$0
		\$3,094,314	\$3,094,314	N/A	\$0
		\$3,091,636	\$3,091,636	N/A	\$0
		\$14,149	\$14,149	N/A	\$0
		\$4,534	\$4,534	N/A	\$0
		\$6,545	\$6,545	N/A	\$0
		\$12,001	\$12,001	N/A	\$0
		\$60,634	\$60,634	N/A	\$0
		\$50,132	\$50,132	N/A	\$0
		\$53,538	\$53,538	N/A	\$0
		\$35,040	\$35,040	N/A	\$0
		\$19,699	\$19,699	N/A	\$0
		\$29,257	\$29,257	N/A	\$0
		\$10,305	\$10,305	N/A	\$0
		\$28,674	\$28,674	N/A	\$0
		\$7,771	\$7,771	N/A	\$0
		\$42,456	\$42,456	N/A	\$0
		\$38,207	\$38,207	N/A	\$0
		\$2,065	\$2,065	N/A	\$0
		\$34,737	\$34,737	N/A	\$0
		\$18,701	\$18,701	N/A	\$0
		\$270	\$270	N/A	\$0
		\$6,074	\$6,074	N/A	\$0
		\$23,275	\$23,275	N/A	\$0
		\$1,365	\$1,365	N/A	\$0
	\$12,195,059	\$30,642,562			
		\$107,264	\$107,264	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$910,770	\$910,770	N/A	\$0
		\$150,000	\$150,000	N/A	\$0
		\$382,661	\$382,661	N/A	\$0
		\$228,410	\$228,410	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
STATE UNDERGROUND WATER SOURCE PROTECTION	66.433		
WATER QUALITY MANAGEMENT PLANNING	66.454		
CAPITALIZATION GRANTS FOR CLEAN WATER STATE REVOLVING FUNDS	66.458		
NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460		
<i>NONPOINT SOURCE IMPLEMENTATION GRANTS</i>	66.460		CAMDEN COUNTY
<i>NONPOINT SOURCE IMPLEMENTATION GRANTS</i>	66.460		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>NONPOINT SOURCE IMPLEMENTATION GRANTS</i>	66.460		RIVER VALLEY REGIONAL COMMISSION
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461		
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461		
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS	66.468		
BEACH MONITORING AND NOTIFICATION PROGRAM IMPLEMENTATION GRANTS	66.472		
<i>SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM</i>	66.509		NORTHEASTERN UNIVERSITY
<i>SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM</i>	66.509		STOCKHOLM ENVIRONMENT INSTITUTE
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509		
<i>OFFICE OF RESEARCH AND DEVELOPMENT CONSOLIDATED RESEARCH/TRAINING/FELLOWSHIPS</i>	66.511		WATER ENVIRONMENT RESEARCH FOUNDATION
SCIENCE TO ACHIEVE RESULTS (STAR) FELLOWSHIP PROGRAM	66.514		
<i>P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY</i>	66.516		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY</i>	66.516		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY</i>	66.516		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY	66.516		
PERFORMANCE PARTNERSHIP GRANTS	66.605		
ENVIRONMENTAL INFORMATION EXCHANGE NETWORK GRANT PROGRAM AND RELATED ASSISTANCE	66.608		
TOXIC SUBSTANCES COMPLIANCE MONITORING COOPERATIVE AGREEMENTS	66.701		
TSCA TITLE IV STATE LEAD GRANTS CERTIFICATION OF LEAD-BASED PAINT PROFESSIONALS	66.707		
POLLUTION PREVENTION GRANTS PROGRAM	66.708		
<i>RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, OUTREACH, TRAINING, DEMONSTRATIONS, AND STUDIES</i>	66.716		EXTENSION
<i>RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, OUTREACH, TRAINING, DEMONSTRATIONS, AND STUDIES</i>	66.716		EXTENSION
SUPERFUND STATE, POLITICAL SUBDIVISION, AND INDIAN TRIBE SITE-SPECIFIC COOPERATIVE AGREEMENTS	66.802		
UNDERGROUND STORAGE TANK PREVENTION, DETECTION AND COMPLIANCE PROGRAM	66.804		
LEAKING UNDERGROUND STORAGE TANK TRUST FUND CORRECTIVE ACTION PROGRAM	66.805		
SUPERFUND STATE AND INDIAN TRIBE CORE PROGRAM COOPERATIVE AGREEMENTS	66.809		
STATE AND TRIBAL RESPONSE PROGRAM GRANTS	66.817		
ENVIRONMENTAL EDUCATION GRANTS	66.951		
TOTAL ENVIRONMENTAL PROTECTION AGENCY			
NUCLEAR REGULATORY COMMISSION			
U.S. NUCLEAR REGULATORY COMMISSION MINORITY SERVING INSTITUTIONS PROGRAM (MSIP)	77.007		
<i>U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM</i>	77.008		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM	77.008		
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM	77.008		
<i>U.S. NUCLEAR REGULATORY COMMISSION OFFICE OF RESEARCH FINANCIAL ASSISTANCE PROGRAM</i>	77.009		UNIVERSITY OF FLORIDA
TOTAL NUCLEAR REGULATORY COMMISSION			
DEPARTMENT OF ENERGY			
<i>INVENTIONS AND INNOVATIONS</i>	81.036		SANDIA NATIONAL LABORATORIES
<i>INVENTIONS AND INNOVATIONS</i>	81.036		SANDIA NATIONAL LABORATORIES
STATE ENERGY PROGRAM	81.041		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$107,801	\$107,801	N/A	\$0
		\$357,117	\$357,117	N/A	\$0
	\$27,138,000	\$27,138,000	\$27,138,000	CLEAN WATER STATE REVOLVING FUND	
		\$2,797,715	\$2,822,318	CLUSTER	\$27,138,000
		\$9,909	\$2,822,318	N/A	\$0
AWD00009355				RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-24		\$4,114	\$2,822,318	RESEARCH AND DEVELOPMENT	\$1,033,282,522
751-170056		\$10,580	\$2,822,318	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$266,040	\$281,271	N/A	\$0
		\$15,231	\$281,271	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$26,426,859	\$27,473,859	\$27,473,859	DRINKING WATER STATE REVOLVING FUND	
		\$264,821	\$264,821	CLUSTER	\$27,473,859
		\$16,730	\$552,010	N/A	\$0
50510978050				RESEARCH AND DEVELOPMENT	\$1,033,282,522
5546801		\$1,436	\$552,010	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$34,439	\$533,844	\$552,010	RESEARCH AND DEVELOPMENT	\$1,033,282,522
LCASW6SG16		\$5,935	\$5,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$29,506	\$29,506	RESEARCH AND DEVELOPMENT	\$1,033,282,522
83929001		\$328	\$31,031	N/A	\$0
83935301		\$24,475	\$31,031	N/A	\$0
83679301		\$1,805	\$31,031	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$4,423	\$31,031	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$11,941,286	\$11,941,286	N/A	\$0
		\$440,008	\$440,008	N/A	\$0
		\$113,829	\$113,829	N/A	\$0
		\$631,755	\$631,755	N/A	\$0
		\$126,707	\$126,707	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SA201729		\$21,921	\$23,687	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SA-2019-43		\$1,766	\$23,687	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$254,512	\$254,512	N/A	\$0
		\$718,288	\$718,288	N/A	\$0
		\$1,875,741	\$1,875,741	N/A	\$0
		\$100,696	\$100,696	N/A	\$0
		\$632,984	\$632,984	N/A	\$0
		\$27,086	\$27,086	N/A	\$0
	\$53,599,298	\$77,729,353			
		\$30,228	\$30,228	N/A	\$0
NRC-HQ-60-17-G-003		\$95,235	\$303,613	N/A	\$0
		\$55,000	\$303,613	N/A	\$0
		\$153,378	\$303,613	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00012059		\$64,541	\$64,541	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$398,382			
1614313		\$1,345	\$31,843	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1764414		\$30,498	\$31,843	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$457,754	\$954,767	\$954,767	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
WEATHERIZATION ASSISTANCE FOR LOW-INCOME PERSONS	81.042		
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		KRELL INSTITUTE
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		KRELL INSTITUTE
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LOS ALAMOS NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		SANDIA NATIONAL LABORATORIES
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		SANDIA NATIONAL LABORATORIES
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		SANDIA NATIONAL LABORATORIES
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		SANDIA NATIONAL LABORATORIES
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		AECOM CONSULT, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		AECOM CONSULT, INC.
			AMERICAN INSTITUTE OF CHEMICAL ENGINEERS
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		(AICHE)
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		AMTECH SYSTEMS, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		ARGONNE NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		ARGONNE NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		AVAPCO, LLC
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		BROOKHAVEN NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		BROWN UNIVERSITY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		CALIFORNIA INSTITUTE OF TECHNOLOGY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		CONTINUUM DYNAMICS, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		FERMI RESEARCH ALLIANCE, LLC (FERMILAB)
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		FLORIDA STATE UNIVERSITY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		FLUOR MARINE PROPULSION, LLC
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		FLUOR MARINE PROPULSION, LLC
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HIFUNDA, LLC
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		HONEYWELL INTERNATIONAL, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		IDAHO NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		IDAHO NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		IDAHO NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		IDAHO NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		KRELL INSTITUTE
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		KRELL INSTITUTE
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LAWRENCE BERKELEY NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LAWRENCE BERKELEY NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LAWRENCE BERKELEY NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LAWRENCE LIVERMORE NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LAWRENCE LIVERMORE NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LAWRENCE LIVERMORE NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LAWRENCE LIVERMORE NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LAWRENCE LIVERMORE NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LEADING EDGE CRYSTAL TECHNOLOGIES, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LOS ALAMOS NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LOS ALAMOS NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LOS ALAMOS NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LOS ALAMOS NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LOS ALAMOS NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LOS ALAMOS NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LOS ALAMOS NATIONAL LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LOS ALAMOS NATIONAL LABORATORY
			MASSACHUSETTS INSTITUTE OF TECHNOLOGY,
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		LINCOLN LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		MELE ASSOCIATES, INC.
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		MONTANA STATE UNIVERSITY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		NATIONAL RENEWABLE ENERGY LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		NATIONAL RENEWABLE ENERGY LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		NATIONAL RENEWABLE ENERGY LABORATORY
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	81.049		NATIONAL RENEWABLE ENERGY LABORATORY

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
	\$3,076,647	\$3,478,398	\$3,478,398	N/A	\$0
KRELL-01		\$50,312	\$19,911,663	N/A	\$0
KRELL-03		\$47,697	\$19,911,663	N/A	\$0
138662		\$9,679	\$19,911,663	N/A	\$0
136772		\$15,008	\$19,911,663	N/A	\$0
139827		\$20,000	\$19,911,663	N/A	\$0
SANDIA-01		\$9,300	\$19,911,663	N/A	\$0
SANDIA-02		\$50,000	\$19,911,663	N/A	\$0
		\$65,110	\$19,911,663	N/A	\$0
RES15056247		\$34,509	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RES1506246		\$29,940	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2		\$103,617	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGREEMENT DATED MARCH 1, 2019		\$88,883	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
8F-30135		\$195,270	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
9F-60044		\$28,686	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1549-00-005		\$0	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
343172		\$108,578	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00001289		\$33,954	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
65Q1097564		\$135,884	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
STTR: AGRMT DTD 01 APR 2015		\$104,694	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
655410		\$17,338	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R01436		\$14,229	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
124004		\$168,650	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
131210		\$212,288	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
STTR: AGRMT DTD 02 MARCH 2015		-\$528	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 08/07/18		\$123,472	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N000230924		\$0	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N000250980		\$77,335	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N000254510		\$58,157	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N000293974		\$13,557	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N000297946		\$30,907	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N000300107		\$178,243	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N000300454		\$59,005	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
N000314432		\$69,045	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO # N000249536 TASK #3		\$46,265	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0179569		\$5,160	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0207604		\$17,062	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
190986		\$96,093	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
201636		\$13,332	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5718801		\$42,750	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
KRELL-02		\$48,640	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7284683		\$34,026	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7360408		\$452,484	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7375547		\$47,562	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
B617458		\$4	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
B628150		\$39,144	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
B630765		\$29,999	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
B632619		\$41,316	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGREEMENT DATED JUNE 1 2018		\$55,000	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
364502		\$48,581	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
371097		\$93,211	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
389971		-\$4,685	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
421807		\$81,721	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
515443		\$12,860	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
524823		\$10,840	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
547813		\$80,511	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7000434835		\$9,015	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
MELE AGMT 21SEPT2018		\$168,205	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
G13915W5072		\$84,318	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
XAT-6-62147-01		\$49,333	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
XDJ-9-82320-01		\$9,996	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
XEJ-7-62291-01		\$1,296	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
XEJ-7-70103-01		\$10,882	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522

Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>NATIONAL RENEWABLE ENERGY LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>OAK RIDGE ASSOCIATED UNIVERSITIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>OAK RIDGE ASSOCIATED UNIVERSITIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>OAK RIDGE ASSOCIATED UNIVERSITIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>OAK RIDGE ASSOCIATED UNIVERSITIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PACIFIC NORTHWEST NATIONAL LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PACIFIC NORTHWEST NATIONAL LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PACIFIC NORTHWEST NATIONAL LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PACIFIC NORTHWEST NATIONAL LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PACIFIC NORTHWEST NATIONAL LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PACIFIC NORTHWEST NATIONAL LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PACIFIC NORTHWEST NATIONAL LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PACIFIC NORTHWEST NATIONAL LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PACIFIC NORTHWEST NATIONAL LABORATORY</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>PHOSPHORTECH CORPORATION</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>
<i>OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM</i>	<i>81.049</i>		<i>SANDIA NATIONAL LABORATORIES</i>

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
XEI-9-82336-01		\$40,900	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000084578		\$101	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000100062		\$27,392	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
LTR DTD 5/21/18		\$5,000	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
LTR DTD 5/28/18		\$6,316	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
262787		-\$28,333	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
322234		\$161,019	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
331867		\$14,493	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
392784		\$6,640	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
414670		\$90,434	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
432002		\$44,270	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
439121		\$32,792	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
449705		\$69,638	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
462860		\$25,575	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DE-SC0018611		\$89,062	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
139668		\$15,000	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1631334		\$15,000	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1643373		\$46,605	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1719027		\$23,951	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1740727		\$17,041	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1742041		\$15,611	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1744348		\$79,155	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1755523		\$122,814	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1764531		\$28,630	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1767660		\$42,007	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1804495		\$31,338	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1807549		\$186,324	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1836843		\$42,166	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1838573		\$103,637	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1838714		\$132,605	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1840059		\$90,799	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1841736		\$41,650	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1846613		\$2,384	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1856100		\$19,801	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1856101		\$9,586	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1861841		\$30,621	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1862981		\$161,901	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1871005		\$69,442	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1883603		\$21,150	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1884667		\$16,678	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1897564		\$32,538	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1901033		\$34,176	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1902837		\$19,044	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1907283		\$69,446	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1920585		\$106,333	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1920644		\$65,932	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1930550		\$35,625	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1944705		\$20,000	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1952411		\$143,337	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1954355		\$151,622	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1959383		\$5,000	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1960037		\$43,090	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1960773		\$38,847	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1971768		\$53,514	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1973820		\$90,847	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1974284		\$40,215	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1975640		\$42,950	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1978929		\$22,748	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1980535		\$31,003	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1984599		\$35,706	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1991855		\$65,783	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1995330		\$31,351	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1995932		\$32,349	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1997022		\$37,277	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2001728		\$1,771	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
2006806		\$19,329	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2013350		\$1,399	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2015247		\$7,894	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2032371		\$28,345	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2041627		\$5,142	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGMT DTD 4/5/17		\$0	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0000265739		\$33,879	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0000342690		\$86,466	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2018-000030		\$20,948	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GT00005		\$31,797	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 07/06/2017		\$17,216	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
68856-TASK 3, PROJ. 1119493		\$173,306	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DE-EE0007897		\$19,843	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO# 109150		\$41,632	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1916-1689		\$4,383	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
37792		\$5,244	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A003127003		\$100,396	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5035981		\$42,024	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
562K284		\$41,918	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
775K563		\$64,654	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000115351		\$48,693	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000125663		\$33,631	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000128095		\$47,883	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000136270		\$4,854	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000145143		\$73,913	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000150871		\$9,340	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000152624		\$1,607	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000152636		-\$13,311	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000152786		\$174,425	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000154548		\$43,028	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000154975		\$73,795	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000156592		\$66,770	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000158523		\$57,160	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000159194		\$28,002	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000159587		\$40,919	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000160017		\$65,064	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000160033		\$47,369	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000160093		\$53,287	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000160364		\$47,773	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000160408		\$57,961	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000160671		\$511	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000160789		\$6,809	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000160795		\$13,989	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000161062		\$313,503	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000161873		\$47,464	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000162743		\$26,599	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000164602		\$44,337	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000164801		\$45,478	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000164882		\$46,848	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000165080		\$53,251	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000167438		\$30,331	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000167866		\$43,436	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000170517		\$4,105	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#19067-512		\$207,413	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
449898-19034		\$1,047	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGMT DTD 16 JUN 2015		-\$606	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PEND 8/1/2019-134124-G003		\$104,350	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$1,143,521	\$10,235,381	\$19,911,663	RESEARCH AND DEVELOPMENT	\$1,033,282,522
10010454		\$2,804	\$920,472	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2014-0654-71		\$30,293	\$920,472	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#429398-19034		\$7,387	\$920,472	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
CONSERVATION RESEARCH AND DEVELOPMENT	81.086		
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		ALGENOL BIOTECH
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		AMERICAN INSTITUTE OF CHEMICAL ENGINEERS
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		AMERICAN INSTITUTE OF CHEMICAL ENGINEERS
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		AMERICAN INSTITUTE OF CHEMICAL ENGINEERS
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		ELECTRIC POWER RESEARCH INSTITUTE
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		NORTHWESTERN UNIVERSITY
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		PURDUE UNIVERSITY
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		TEXAS A&M UNIVERSITY
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		UNIVERSITY OF DELAWARE
<i>RENEWABLE ENERGY RESEARCH AND DEVELOPMENT</i>	81.087		VANDERBILT UNIVERSITY
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087		
<i>FOSSIL ENERGY RESEARCH AND DEVELOPMENT</i>	81.089		SOUTHWEST RESEARCH INSTITUTE
<i>FOSSIL ENERGY RESEARCH AND DEVELOPMENT</i>	81.089		SOUTHWEST RESEARCH INSTITUTE
<i>FOSSIL ENERGY RESEARCH AND DEVELOPMENT</i>	81.089		SOUTHWEST RESEARCH INSTITUTE
<i>FOSSIL ENERGY RESEARCH AND DEVELOPMENT</i>	81.089		UNIVERSITY OF CENTRAL FLORIDA
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		
<i>ENVIRONMENTAL REMEDIATION AND WASTE PROCESSING AND DISPOSAL</i>	81.104		SRS COMMUNITY REUSE ORGANIZATION
<i>ENVIRONMENTAL REMEDIATION AND WASTE PROCESSING AND DISPOSAL</i>	81.104		SRS COMMUNITY REUSE ORGANIZATION
<i>TRANSPORT OF TRANSURANIC WASTES TO THE WASTE ISOLATION PILOT PLANT: STATES AND TRIBAL CONCERNS, PROPOSED SOLUTIONS</i>	81.106		SOUTHERN STATES ENERGY BOARD
<i>STEWARDSHIP SCIENCE GRANT PROGRAM</i>	81.112		LAWRENCE BERKELEY NATIONAL LABORATORY
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112		
<i>DEFENSE NUCLEAR NONPROLIFERATION RESEARCH</i>	81.113		NORTH CAROLINA STATE UNIVERSITY
ENERGY EFFICIENCY AND RENEWABLE ENERGY INFORMATION DISSEMINATION, OUTREACH, TRAINING AND TECHNICAL ANALYSIS/ASSISTANCE	81.117		
<i>NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION</i>	81.121		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121		
<i>NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION</i>	81.121		PURDUE UNIVERSITY
<i>NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION</i>	81.121		PURDUE UNIVERSITY
<i>NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION</i>	81.121		SYRACUSE UNIVERSITY
<i>NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION</i>	81.121		SYRACUSE UNIVERSITY
<i>NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION</i>	81.121		UNIVERSITY OF NEBRASKA-LINCOLN
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121		
ELECTRICITY DELIVERY AND ENERGY RELIABILITY, RESEARCH, DEVELOPMENT AND ANALYSIS	81.122		
<i>NATIONAL NUCLEAR SECURITY ADMINISTRATION (NNSA) MINORITY SERVING INSTITUTIONS (MSI) PROGRAM</i>	81.123		FLORIDA A&M UNIVERSITY
<i>ADVANCED RESEARCH PROJECTS AGENCY - ENERGY</i>	81.135		OREGON STATE UNIVERSITY
<i>ADVANCED RESEARCH PROJECTS AGENCY - ENERGY</i>	81.135		PENNSYLVANIA STATE UNIVERSITY
<i>ADVANCED RESEARCH PROJECTS AGENCY - ENERGY</i>	81.135		RENSSELAER POLYTECHNIC INSTITUTE
<i>ADVANCED RESEARCH PROJECTS AGENCY - ENERGY</i>	81.135		SILA NANOTECHNOLOGIES, INC.
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		
MINORITY ECONOMIC IMPACT	81.137		
ENVIRONMENTAL MONITORING/CLEANUP, CULTURAL AND RESOURCE MGMT., EMERGENCY RESPONSE RESEARCH, OUTREACH, TECHNICAL ANALYSIS	81.214		
ENVIRONMENTAL MONITORING/CLEANUP, CULTURAL AND RESOURCE MGMT., EMERGENCY RESPONSE RESEARCH, OUTREACH, TECHNICAL ANALYSIS	81.214		
<i>MODAL MODELING OF ACOUSTOELASTIC SYSTEMS</i>	81.RD	2003656	SANDIA NATIONAL LABORATORIES
<i>HYDROGEN PROCESS IMAGING USING MAGNETIC FIELDS</i>	81.RD	2018-000008	SAVANNAH RIVER NUCLEAR SOLUTIONS, LLC
<i>EXPORT CONTROL CAPACITY BUILDING AND TRAINING: ASI</i>	81.RD	4000139452	UT-BATTELLE, LLC
<i>ELUCIDATING THE ROLE OF RECEPTOR LIKE KINASES IN W</i>	81.RD	4000167801	UT-BATTELLE, LLC
<i>USDOE ASIAN FELLOWS PROGRAM</i>	81.RD	400165132	UT-BATTELLE, LLC
<i>2017-18 SBC-CAT PERSONNEL ASSIGNMENT FOR GERD ROSE</i>	81.RD	7F30217	UCHICAGO ARGONNE, LLC
<i>COMPARATIVE ANALYSIS OF BIOCONVERSION AND/OR BIOPR</i>	81.RD	C-5011	FLORIDA A&M UNIVERSITY
<i>THE CENTER FOR BIOENERGY INNOVATION</i>	81.RD	PNDG 3/1- 6/30/20	UT-BATTELLE, LLC
<i>SREL R&D OF CEMENTITIOUS-TYPE MATERIALS AND SOIL</i>	81.RD	SRRA099188	SAVANNAH RIVER REMEDIATION, LLC
<i>AQUEOUS AND SOLID PHASE CHARACTERIZATION OF POTENT</i>	81.RD	SRRA151648	SAVANNAH RIVER REMEDIATION, LLC
<i>EASYSER: ACCELERATING A METHOD TO EVOLVE NEW ENZYME</i>	81.RD	XCE-9-92013- 01	NATIONAL RENEWABLE ENERGY LABORATORY
TOTAL DEPARTMENT OF ENERGY			

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$879,988	\$920,472	RESEARCH AND DEVELOPMENT	\$1,033,282,522
8/29/17 AGRMT		\$210,857	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DE-EE0007888-06-4B		\$55,287	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DE-EE0007888-09-6		\$108,971	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
DE-EE0007888-10-5		\$106,641	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#10001646		\$93,443	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SPO045962-PROJ0012882		\$13,592	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
14000249-006		\$77,056	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
M1900414		\$72,578	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#53038		\$43,086	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UNIV58977		\$283,998	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,967,030	\$3,032,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
L99007RI		\$116,702	\$1,767,268	RESEARCH AND DEVELOPMENT	\$1,033,282,522
L99069MJM		\$10,000	\$1,767,268	RESEARCH AND DEVELOPMENT	\$1,033,282,522
M99005RR		\$5,569	\$1,767,268	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#16306016-01		\$56,546	\$1,767,268	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$321,077	\$1,578,451	\$1,767,268	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1998F0586		\$166,775	\$332,478	N/A	\$0
SUBRECIPIENT DE-EM0004214		\$165,703	\$332,478	N/A	\$0
00000919		\$281,129	\$281,129	N/A	\$0
6964123		\$370,200	\$684,714	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$314,514	\$684,714	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2014-0501-05		\$389,817	\$389,817	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$48,307	\$433,150	\$433,150	RESEARCH AND DEVELOPMENT	\$1,033,282,522
NCR-HQ-12-G-38-0001		-\$12,507	\$1,751,921	N/A	\$0
		\$105,990	\$1,751,921	N/A	\$0
14000271-002		\$82,664	\$1,751,921	RESEARCH AND DEVELOPMENT	\$1,033,282,522
14000276-006		\$76,562	\$1,751,921	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#30308-05133-S01		\$45,315	\$1,751,921	RESEARCH AND DEVELOPMENT	\$1,033,282,522
28643-04465-S02		\$83,912	\$1,751,921	RESEARCH AND DEVELOPMENT	\$1,033,282,522
25-1120-0014-004		\$37,429	\$1,751,921	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$398,698	\$1,332,556	\$1,751,921	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$104,056	\$553,112	\$553,112	RESEARCH AND DEVELOPMENT	\$1,033,282,522
C4964		-\$807	-\$807	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#G0173A-A		\$111,792	\$990,280	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5666UGRFEARPA0821		\$39,416	\$990,280	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A12820		\$242,207	\$990,280	RESEARCH AND DEVELOPMENT	\$1,033,282,522
133588		-\$9,339	\$990,280	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$181,485	\$606,204	\$990,280	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$89,393	\$89,393	N/A	\$0
		\$183,008	\$4,968,183	N/A	\$0
		\$4,785,175	\$4,968,183	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2003656		\$3,110	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2018-000008		\$37,699	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000139452		\$64,472	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000167801		\$23,384	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
400165132		\$18,890	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7F30217		\$162,708	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
C-5011		\$7,131	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PNDG 3/1-6/30/20		\$2,375,700	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SRRA099188		\$183,394	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SRRA151648		\$4,281	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
XCE-9-92013-01		\$48,585	\$2,929,354	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$5,731,545	\$43,499,674			

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
DEPARTMENT OF EDUCATION			
ADULT EDUCATION - BASIC GRANTS TO STATES	84.002		
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS	84.007		
TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES	84.010		
<i>TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES</i>	84.010		CLARKE COUNTY SCHOOL DISTRICT
<i>TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES</i>	84.010		RICHMOND COUNTY SCHOOL DISTRICT
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011		
TITLE I STATE AGENCY PROGRAM FOR NEGLECTED AND DELINQUENT CHILDREN AND YOUTH	84.013		
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		
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		
UNDERGRADUATE INTERNATIONAL STUDIES AND FOREIGN LANGUAGE PROGRAMS	84.016		
INTERNATIONAL RESEARCH AND STUDIES	84.017		
OVERSEAS PROGRAMS - GROUP PROJECTS ABROAD	84.021		
OVERSEAS PROGRAMS - GROUP PROJECTS ABROAD	84.021		
SPECIAL EDUCATION GRANTS TO STATES	84.027		
HIGHER EDUCATION INSTITUTIONAL AID	84.031		
<i>HIGHER EDUCATION INSTITUTIONAL AID</i>	84.031		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
HIGHER EDUCATION INSTITUTIONAL AID	84.031		
<i>FEDERAL WORK-STUDY PROGRAM</i>	84.033		AMERICAN NATIONAL RED CROSS
<i>FEDERAL WORK-STUDY PROGRAM</i>	84.033		EAST ATLANTA KIDS CLUB
<i>FEDERAL WORK-STUDY PROGRAM</i>	84.033		NEWTON COUNTY
FEDERAL WORK-STUDY PROGRAM	84.033		
FEDERAL PERKINS LOAN PROGRAM FEDERAL CAPITAL CONTRIBUTIONS	84.038		
TRIO STUDENT SUPPORT SERVICES	84.042		
TRIO STUDENT SUPPORT SERVICES	84.042		
TRIO TALENT SEARCH	84.044		
TRIO TALENT SEARCH	84.044		
TRIO UPWARD BOUND	84.047		
<i>TRIO UPWARD BOUND</i>	84.047		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>TRIO UPWARD BOUND</i>	84.047		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>TRIO UPWARD BOUND</i>	84.047		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
TRIO UPWARD BOUND	84.047		
<i>CAREER AND TECHNICAL EDUCATION -- BASIC GRANTS TO STATES</i>	84.048		CTAE RESOURCE NETWORK, INC.
CAREER AND TECHNICAL EDUCATION -- BASIC GRANTS TO STATES	84.048		
FEDERAL PELL GRANT PROGRAM	84.063		
TRIO EDUCATIONAL OPPORTUNITY CENTERS	84.066		
FUND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION	84.116		
<i>FUND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION</i>	84.116		UNIVERSITY OF MINNESOTA
FUND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION	84.116		
REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES	84.126		
REHABILITATION LONG-TERM TRAINING	84.129		
MIGRANT EDUCATION HIGH SCHOOL EQUIVALENCY PROGRAM	84.141		
MIGRANT EDUCATION COORDINATION PROGRAM	84.144		
MIGRANT EDUCATION COLLEGE ASSISTANCE MIGRANT PROGRAM	84.149		
SPECIAL EDUCATION PRESCHOOL GRANTS	84.173		
REHABILITATION SERVICES INDEPENDENT LIVING SERVICES FOR OLDER INDIVIDUALS WHO ARE BLIND	84.177		
SPECIAL EDUCATION-GRANTS FOR INFANTS AND FAMILIES	84.181		
SCHOOL SAFETY NATIONAL ACTIVITIES (FORMERLY, SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES-NATIONAL PROGRAMS)	84.184		
SUPPORTED EMPLOYMENT SERVICES FOR INDIVIDUALS WITH THE MOST SIGNIFICANT DISABILITIES	84.187		
EDUCATION FOR HOMELESS CHILDREN AND YOUTH	84.196		
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200		
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$19,532,371	\$19,532,371	N/A	\$0
		\$15,335,355	\$15,335,355	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
	\$516,795,655	\$530,687,573	\$530,736,722	N/A	\$0
5787401		\$37,150	\$530,736,722	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AWD00010031		\$11,999	\$530,736,722	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$5,012,794	\$7,343,675	\$7,343,675	N/A	\$0
		\$1,114,594	\$1,114,594	N/A	\$0
		\$15,000	\$521,367	N/A	\$0
		\$506,367	\$521,367	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$45,178	\$45,178	N/A	\$0
		\$109,625	\$109,625	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$26,965	\$123,004	N/A	\$0
		\$96,039	\$123,004	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$338,424,992	\$360,040,314	\$360,040,314	SPECIAL EDUCATION CLUSTER (IDEA)	\$369,807,105
	\$29,186	\$16,205,136	\$16,926,539	N/A	\$0
P116F140432		\$602,961	\$16,926,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$118,442	\$16,926,539	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010138		\$1,083	\$11,866,095	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
CON011249		\$3,692	\$11,866,095	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
CON011240		\$3,659	\$11,866,095	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
		\$11,857,661	\$11,866,095	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
		\$28,625,656	\$28,625,656	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
		\$269,114	\$3,381,128	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$3,112,014	\$3,381,128	TRIO CLUSTER	\$12,525,291
		\$417,648	\$2,267,527	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,849,879	\$2,267,527	TRIO CLUSTER	\$12,525,291
		\$1,140,778	\$7,702,824	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P047A170751		\$298,343	\$7,702,824	TRIO CLUSTER	\$12,525,291
P047A170766		\$324,820	\$7,702,824	TRIO CLUSTER	\$12,525,291
PO47M170078		\$348,917	\$7,702,824	TRIO CLUSTER	\$12,525,291
		\$5,589,966	\$7,702,824	TRIO CLUSTER	\$12,525,291
CTAE6073		\$44,950	\$42,352,855	N/A	\$0
	\$18,570,510	\$42,307,905	\$42,352,855	N/A	\$0
		\$755,231,809	\$755,231,809	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
		\$340,896	\$340,896	TRIO CLUSTER	\$12,525,291
		\$358,033	\$3,597,817	N/A	\$0
A004497002		\$48,927	\$3,597,817	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,628,785	\$3,190,857	\$3,597,817	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$93,631,362	\$93,631,362	N/A	\$0
		\$445,825	\$445,825	N/A	\$0
		\$812,628	\$812,628	N/A	\$0
		55424	\$55,424	N/A	0
		\$1,385,989	\$1,385,989	N/A	\$0
	\$9,661,377	\$9,766,791	\$9,766,791	SPECIAL EDUCATION CLUSTER (IDEA)	\$369,807,105
		\$1,161,785	\$1,161,785	N/A	\$0
		\$11,821,769	\$11,821,769	N/A	\$0
		\$58,075	\$58,075	N/A	\$0
		\$643,846	\$643,846	N/A	\$0
	\$2,115,169	\$2,454,097	\$2,454,097	N/A	\$0
		\$199,278	\$336,945	N/A	\$0
		\$137,667	\$336,945	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
INNOVATIVE APPROACHES TO LITERACY, FULL-SERVICE COMMUNITY SCHOOLS; AND PROMISE NEIGHBORHOODS	84.215		
TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217		
TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217		
CENTERS FOR INTERNATIONAL BUSINESS EDUCATION	84.220		
CENTERS FOR INTERNATIONAL BUSINESS EDUCATION	84.220		
LANGUAGE RESOURCE CENTERS	84.229		
LANGUAGE RESOURCE CENTERS	84.229		
REHABILITATION SERVICES DEMONSTRATION AND TRAINING PROGRAMS	84.235		
FEDERAL DIRECT STUDENT LOANS	84.268		
CHARTER SCHOOLS	84.282		
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287		
<i>TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS</i>	84.287		QUESTAR ASSESSMENT, INC.
<i>TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS</i>	84.287		QUESTAR ASSESSMENT, INC.
<i>READY-TO-LEARN TELEVISION</i>	84.295		CORPORATION FOR PUBLIC BROADCASTING KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		ARIZONA STATE UNIVERSITY
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		ARIZONA STATE UNIVERSITY
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		ARIZONA STATE UNIVERSITY
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		CALIFORNIA STATE UNIVERSITY, LONG BEACH
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		FLORIDA STATE UNIVERSITY
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		MICHIGAN STATE UNIVERSITY
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		NORTHERN ILLINOIS UNIVERSITY
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		UNIVERSITY OF CINCINNATI
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		UNIVERSITY OF CINCINNATI
<i>EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION</i>	84.305		UNIVERSITY OF CINCINNATI
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305		
SPECIAL EDUCATION - STATE PERSONNEL DEVELOPMENT	84.323		
<i>RESEARCH IN SPECIAL EDUCATION</i>	84.324		INDIANA UNIVERSITY
<i>RESEARCH IN SPECIAL EDUCATION</i>	84.324		TENNESSEE STATE UNIVERSITY
<i>RESEARCH IN SPECIAL EDUCATION</i>	84.324		UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION
RESEARCH IN SPECIAL EDUCATION	84.324		
<i>SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES</i>	84.325		UNIVERSITY OF FLORIDA
<i>SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES</i>	84.325		UNIVERSITY OF FLORIDA
<i>SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES</i>	84.325		UNIVERSITY OF FLORIDA
<i>SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES</i>	84.325		UNIVERSITY OF FLORIDA
<i>SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES</i>	84.325		UNIVERSITY OF FLORIDA
<i>SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES</i>	84.325		VANDERBILT UNIVERSITY
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325		
SPECIAL EDUCATION TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326		
SPECIAL EDUCATION EDUCATIONAL TECHNOLOGY MEDIA, AND MATERIALS FOR INDIVIDUALS WITH DISABILITIES	84.327		
<i>SPECIAL EDUCATION EDUCATIONAL TECHNOLOGY MEDIA, AND MATERIALS FOR INDIVIDUALS WITH DISABILITIES</i>	84.327		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>GAINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE PROGRAMS</i>	84.334		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>GAINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE PROGRAMS</i>	84.334		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
GAINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE PROGRAMS	84.334		
<i>GAINING EARLY AWARENESS AND READINESS FOR UNDERGRADUATE PROGRAMS</i>	84.334		UNIVERSITY OF MONTEVALLO
CHILD CARE ACCESS MEANS PARENTS IN SCHOOL	84.335		
TEACHER QUALITY PARTNERSHIP GRANTS	84.336		
RURAL EDUCATION	84.358		
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365		
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365		
<i>MATHEMATICS AND SCIENCE PARTNERSHIPS</i>	84.366		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>MATHEMATICS AND SCIENCE PARTNERSHIPS</i>	84.366		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$125,094	\$125,094	N/A	\$0
		\$303,327	\$963,783	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$660,456	\$963,783	TRIO CLUSTER	\$12,525,291
		\$199,215	\$630,081	N/A	\$0
		\$430,866	\$630,081	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$66,051	\$167,281	N/A	\$0
		\$101,230	\$167,281	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,022,317	\$1,022,317	N/A	\$0
		\$1,459,714,132	\$1,459,714,132	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
	\$4,284,365	\$4,745,353	\$4,745,353	N/A	\$0
	\$36,032,143	\$39,478,786	\$39,539,949	N/A	\$0
5757101		\$22,691	\$39,539,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
BARKER		\$38,472	\$39,539,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
34824-EDU		\$81,881	\$81,881	N/A	\$0
R305N160025		-\$19,783	\$2,153,508	N/A	\$0
CON009851		\$52,992	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011261		\$54,682	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011095		\$94,847	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011148		\$98,130	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON005784		\$81,123	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011542		\$35,043	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
011275002		\$60,779	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007985		-\$17,974	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011484		\$94,790	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$797,695	\$1,618,879	\$2,153,508	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,719,146	\$1,719,146	N/A	\$0
CON009836		\$42,361	\$814,448	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008400		\$21,460	\$814,448	RESEARCH AND DEVELOPMENT	\$1,033,282,522
304811261516001		\$76,024	\$814,448	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$274,946	\$674,603	\$814,448	RESEARCH AND DEVELOPMENT	\$1,033,282,522
30486		\$6,248	\$951,789	N/A	\$0
98368		\$28,175	\$951,789	N/A	\$0
PO1800624093		\$460	\$951,789	N/A	\$0
H325A120003		\$8,118	\$951,789	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UNIV60494		\$30,196	\$951,789	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,500	\$878,592	\$951,789	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$284,593	\$284,593	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$7,311	\$26,447	N/A	\$0
63828383-25		\$19,136	\$26,447	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-26		\$170,275	\$4,081,438	N/A	\$0
P334S160030		\$147,786	\$4,081,438	N/A	\$0
	\$317,313	\$3,710,912	\$4,081,438	N/A	\$0
CON011827		\$52,465	\$4,081,438	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$72,116	\$72,116	N/A	\$0
		\$65,078	\$65,078	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$6,372,304	\$6,705,011	\$6,705,011	N/A	\$0
	\$14,256,513	\$15,682,610	\$16,185,793	N/A	\$0
		\$503,183	\$16,185,793	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-27		\$274,080	\$3,527,157	N/A	\$0
S366B160011		\$138,927	\$3,527,157	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>MATHEMATICS AND SCIENCE PARTNERSHIPS</i>	84.366		MUSCOGEE COUNTY SCHOOL DISTRICT
MATHEMATICS AND SCIENCE PARTNERSHIPS	84.366		
<i>MATHEMATICS AND SCIENCE PARTNERSHIPS</i>	84.366		JACKSON COUNTY SCHOOL DISTRICT
<i>MATHEMATICS AND SCIENCE PARTNERSHIPS</i>	84.366		ROCKDALE COUNTY SCHOOL DISTRICT
MATHEMATICS AND SCIENCE PARTNERSHIPS	84.366		
<i>SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)</i>	84.367		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)</i>	84.367		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)</i>	84.367		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)</i>	84.367		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)</i>	84.367		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)</i>	84.367		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)</i>	84.367		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)</i>	84.367		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)</i>	84.367		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)	84.367		
SUPPORTING EFFECTIVE INSTRUCTION STATE GRANTS (FORMERLY IMPROVING TEACHER QUALITY STATE GRANTS)	84.367		
GRANTS FOR STATE ASSESSMENTS AND RELATED ACTIVITIES	84.369		
COMPREHENSIVE LITERACY DEVELOPMENT	84.371		
SCHOOL IMPROVEMENT GRANTS	84.377		
TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION GRANTS (TEACH GRANTS)	84.379		
STRENGTHENING MINORITY-SERVING INSTITUTIONS	84.382		
<i>TRANSITION PROGRAMS FOR STUDENTS WITH INTELLECTUAL DISABILITIES INTO HIGHER EDUCATION</i>	84.407		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>TRANSITION PROGRAMS FOR STUDENTS WITH INTELLECTUAL DISABILITIES INTO HIGHER EDUCATION</i>	84.407		UNIVERSITY OF MASSACHUSETTS
TRANSITION PROGRAMS FOR STUDENTS WITH INTELLECTUAL DISABILITIES INTO HIGHER EDUCATION	84.407		
POSTSECONDARY EDUCATION SCHOLARSHIPS FOR VETERAN'S DEPENDENTS	84.408		
<i>EDUCATION INNOVATION AND RESEARCH (FORMERLY INVESTING IN INNOVATION (13) FUND)</i>	84.411		OHIO STATE UNIVERSITY
<i>EDUCATION INNOVATION AND RESEARCH (FORMERLY INVESTING IN INNOVATION (13) FUND)</i>	84.411		ATLANTA NEIGHBORHOOD CHARTER SCHOOL
RACE TO THE TOP EARLY LEARNING CHALLENGE	84.412		
DIRECTED GRANTS AND AWARDS	84.417		
SUPPORTING EFFECTIVE EDUCATOR DEVELOPMENT PROGRAM	84.423		
STUDENT SUPPORT AND ACADEMIC ENRICHMENT PROGRAM	84.424		
NATIONAL CENTER FOR EDUCATION STATISTICS - FR	84.U34	ED-08-CO-0030	
NATIONAL ASSESSMENT OF EDUCATIONAL PROGRESS	84.U35	ED-IES-14-C-0071	
TOTAL DEPARTMENT OF EDUCATION			
SCHOLARSHIP FOUNDATIONS			
FELLOWSHIP PROGRAM	85.802		
TOTAL SCHOLARSHIP FOUNDATIONS			
NATIONAL ARCHIVES & RECORDS ADMINISTRATION			
NATIONAL HISTORICAL PUBLICATIONS AND RECORDS GRANTS	89.003		
TOTAL NATIONAL ARCHIVES & RECORDS ADMINISTRATION			

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
30459		-\$1,936	\$3,527,157	N/A	\$0
	\$327,386	\$1,020,679	\$3,527,157	N/A	\$0
5718401		\$48,399	\$3,527,157	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009491		\$4,923	\$3,527,157	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$689,555	\$2,042,085	\$3,527,157	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RH216-352/S001012		-\$417	\$57,820,855	N/A	\$0
RH216-352/S001013		-\$290	\$57,820,855	N/A	\$0
RH216-352/S001014		-\$882	\$57,820,855	N/A	\$0
RH216-361/S001358		-\$1,420	\$57,820,855	N/A	\$0
RH216-361/S001359		-\$808	\$57,820,855	N/A	\$0
RH216-361/S001361		\$406	\$57,820,855	N/A	\$0
RH216-361/S001362		-\$421	\$57,820,855	N/A	\$0
RH216-361-S001360		-\$728	\$57,820,855	N/A	\$0
	\$55,900,721	\$57,517,294	\$57,820,855	N/A	\$0
	\$54,226	\$308,121	\$57,820,855	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$7,044,931	\$7,044,931	N/A	\$0
	\$50,537,419	\$50,595,710	\$50,595,710	N/A	\$0
	\$6,411,746	\$7,153,346	\$7,153,346	N/A	\$0
		\$1,918,310	\$1,918,310	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
		\$4,087,318	\$4,087,318	N/A	\$0
63828383-28		\$65,509	\$558,999	N/A	\$0
CON010293		\$12,500	\$558,999	N/A	\$0
		\$480,990	\$558,999	N/A	\$0
		\$14,800	\$14,800	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
CON006728		\$10,306	\$14,914	N/A	\$0
CON005884		\$4,608	\$14,914	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$388,355	\$2,636,751	\$2,636,751	N/A	\$0
		\$0	\$0	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$518,246	\$1,230,052	\$1,230,052	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$31,885,600	\$32,830,611	\$32,830,611	N/A	\$0
		\$2,699	\$2,699	N/A	\$0
		\$150,000	\$150,000	N/A	\$0
	\$1,102,289,501	\$3,639,405,578			
		-\$736	-\$736	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		-\$736			
		\$51,420	\$51,420	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$51,420			

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
DELTA REGIONAL AUTHORITY or DENALI COMMISSION or ELECTION ASSISTANCE COMMISSION or JAPAN U.S. FRIENDSHIP COMMISSION			
HELP AMERICA VOTE ACT REQUIREMENTS PAYMENTS	90.401		
TOTAL DELTA REGIONAL AUTHORITY or DENALI COMMISSION or ELECTION ASSISTANCE COMMISSION or JAPAN U.S. FRIENDSHIP COMMISSION			
DEPARTMENT OF HEALTH AND HUMAN SERVICES			
<i>MEDICAL RESERVE CORPS SMALL GRANT PROGRAM</i>	93.008		<i>ST. JUDE CHILDREN'S RESEARCH HOSPITAL</i>
SPECIAL PROGRAMS FOR THE AGING, TITLE VII, CHAPTER 3, PROGRAMS FOR PREVENTION OF ELDER ABUSE, NEGLECT, AND EXPLOITATION	93.041		
SPECIAL PROGRAMS FOR THE AGING, TITLE VII, CHAPTER 2, LONG TERM CARE OMBUDSMAN SERVICES FOR OLDER INDIVIDUALS	93.042		
SPECIAL PROGRAMS FOR THE AGING, TITLE III, PART D, DISEASE PREVENTION AND HEALTH PROMOTION SERVICES	93.043		
<i>SPECIAL PROGRAMS FOR THE AGING, TITLE III, PART B, GRANTS FOR SUPPORTIVE SERVICES AND SENIOR CENTERS</i>	93.044		<i>SOUTHERN GEORGIA REGIONAL COMMISSION</i>
SPECIAL PROGRAMS FOR THE AGING, TITLE III, PART B, GRANTS FOR SUPPORTIVE SERVICES AND SENIOR CENTERS	93.044		
SPECIAL PROGRAMS FOR THE AGING, TITLE III, PART C, NUTRITION SERVICES	93.045		
SPECIAL PROGRAMS FOR THE AGING, TITLE IV, AND TITLE II, DISCRETIONARY PROJECTS	93.048		
SPECIAL PROGRAMS FOR THE AGING, TITLE IV, AND TITLE II, DISCRETIONARY PROJECTS	93.048		
ALZHEIMER'S DISEASE DEMONSTRATION GRANTS TO STATES	93.051		
<i>NATIONAL FAMILY CAREGIVER SUPPORT, TITLE III, PART E</i>	93.052		<i>CSRA AREA AGENCY ON AGING</i>
<i>NATIONAL FAMILY CAREGIVER SUPPORT, TITLE III, PART E</i>	93.052		<i>SOUTHERN GEORGIA REGIONAL COMMISSION</i>
NATIONAL FAMILY CAREGIVER SUPPORT, TITLE III, PART E	93.052		
NUTRITION SERVICES INCENTIVE PROGRAM	93.053		
TRAINING IN GENERAL, PEDIATRIC, AND PUBLIC HEALTH DENTISTRY	93.059		
<i>GLOBAL AIDS</i>	93.067		<i>EMORY UNIVERSITY</i>
<i>GLOBAL AIDS</i>	93.067		<i>EMORY UNIVERSITY</i>
<i>GLOBAL AIDS</i>	93.067		<i>EMORY UNIVERSITY</i>
<i>GLOBAL AIDS</i>	93.067		<i>EMORY UNIVERSITY</i>
<i>GLOBAL AIDS</i>	93.067		<i>EMORY UNIVERSITY</i>
<i>GLOBAL AIDS</i>	93.067		<i>GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.</i>
<i>CHRONIC DISEASES: RESEARCH, CONTROL, AND PREVENTION</i>	93.068		<i>NORTHROP GRUMMAN CORPORATION</i>
PUBLIC HEALTH EMERGENCY PREPAREDNESS	93.069		
ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE	93.070		
<i>ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE</i>	93.070		<i>SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL</i>
MEDICARE ENROLLMENT ASSISTANCE PROGRAM	93.071		
BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE	93.073		
<i>BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND</i>	93.073		<i>UNIVERSITY OF SOUTH CAROLINA</i>
HOSPITAL PREPAREDNESS PROGRAM (HPP) AND PUBLIC HEALTH EMERGENCY PREPAREDNESS (PHEP) ALIGNED COOPERATIVE AGREEMENTS	93.074		
<i>FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH</i>	93.077		<i>AMERICAN HEART ASSOCIATION</i>
FAMILY SMOKING PREVENTION AND TOBACCO CONTROL ACT REGULATORY RESEARCH	93.077		
COOPERATIVE AGREEMENTS TO PROMOTE ADOLESCENT HEALTH THROUGH SCHOOL- BASED HIV/STD PREVENTION AND SCHOOL-BASED SURVEILLANCE	93.079		
<i>BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH</i>	93.080		<i>HEMOPHILIA OF GEORGIA GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.</i>
<i>PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES</i>	93.084		<i>EMORY UNIVERSITY</i>
<i>PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES</i>	93.084		<i>UNIVERSITY OF PENNSYLVANIA</i>
<i>PREVENTION OF DISEASE, DISABILITY, AND DEATH BY INFECTIOUS DISEASES</i>	93.084		<i>CENTER FOR POLICY RESEARCH</i>
<i>HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS</i>	93.086		
HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS	93.086		
ENHANCE SAFETY OF CHILDREN AFFECTED BY SUBSTANCE ABUSE	93.087		
<i>ADVANCING SYSTEM IMPROVEMENTS FOR KEY ISSUES IN WOMEN'S HEALTH</i>	93.088		<i>GEORGIA INDEPENDENT COLLEGE ASSOCIATION</i>
AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM	93.092		
FOOD AND DRUG ADMINISTRATION RESEARCH	93.103		
<i>FOOD AND DRUG ADMINISTRATION RESEARCH</i>	93.103		<i>CAITTA, INC.</i>

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$203,884	\$203,884	N/A	\$0
		\$203,884			
1119780517813993		\$273,554	\$273,554	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$138,930	\$138,930	N/A	\$0
	\$186,106	\$427,267	\$427,267	N/A	\$0
	\$401,766	\$457,153	\$457,153	N/A	\$0
AAA-2019-11		\$5,740	\$9,799,068	AGING CLUSTER	\$33,179,722
	\$6,510,283	\$9,793,328	\$9,799,068	AGING CLUSTER	\$33,179,722
	\$17,458,386	\$20,236,002	\$20,236,002	AGING CLUSTER	\$33,179,722
		\$220,991	\$339,416	N/A	\$0
	\$2,915	\$118,425	\$339,416	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$36,987	\$40,470	\$40,470	N/A	\$0
CONTRACT #:19-08-2158		\$14,684	\$3,935,505	N/A	\$0
AAA-2019-07		\$38,486	\$3,935,505	N/A	\$0
	\$2,933,652	\$3,882,335	\$3,935,505	N/A	\$0
	\$2,884,530	\$3,144,652	\$3,144,652	AGING CLUSTER	\$33,179,722
		\$32,963	\$32,963	N/A	\$0
A126270		\$19,324	\$1,127,490	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A126281		\$23,430	\$1,127,490	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HHSN272201400004C		\$40,208	\$1,127,490	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T5999021		\$734,497	\$1,127,490	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T848250		\$250,900	\$1,127,490	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-29		\$59,131	\$1,127,490	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7500131662		\$37,207	\$37,207	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$14,968,412	\$14,968,412	N/A	\$0
		\$685,235	\$685,477	N/A	\$0
PH7556		\$242	\$685,477	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$353,551	\$424,973	\$424,973	N/A	\$0
		\$346,361	\$411,342	N/A	\$0
CON010604		\$64,981	\$411,342	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$212,659	\$212,659	N/A	\$0
CON008272		\$843	\$3,312,063	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$972,894	\$3,311,220	\$3,312,063	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$51,856	\$51,856	N/A	\$0
1NU27DD001155-01-00		\$38,971	\$38,971	N/A	\$0
63828383-30		\$4,158	\$1,529,345	N/A	\$0
CON011769		\$82,206	\$1,529,345	RESEARCH AND DEVELOPMENT	\$1,033,282,522
572796296750010043564		\$1,442,981	\$1,529,345	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010756		\$19,874	\$1,769,919	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$190	\$1,750,045	\$1,769,919	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$78,913	\$266,173	\$266,173	RESEARCH AND DEVELOPMENT	\$1,033,282,522
26971		\$1,513	\$1,513	N/A	\$0
	\$1,430,307	\$1,669,303	\$1,669,303	N/A	\$0
		\$92,391	\$3,737,450	N/A	\$0
CAPO0199		\$2,890	\$3,737,450	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
FOOD AND DRUG ADMINISTRATION RESEARCH	93.103		
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		
AREA HEALTH EDUCATION CENTERS	93.107		
<i>MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS</i>	93.110		EMORY UNIVERSITY
<i>MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS</i>	93.110		HEMOPHILIA OF GEORGIA
<i>MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS</i>	93.110		UNIVERSITY OF NORTH CAROLINA
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		
<i>MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS</i>	93.110		UNIVERSITY OF NORTH CAROLINA
<i>ENVIRONMENTAL HEALTH</i>	93.113		EMORY UNIVERSITY
<i>ENVIRONMENTAL HEALTH</i>	93.113		EMORY UNIVERSITY
<i>ENVIRONMENTAL HEALTH</i>	93.113		FOUNDATION FOR APPLIED MOLECULAR EVOLUTION (FFAME)
<i>ENVIRONMENTAL HEALTH</i>	93.113		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>ENVIRONMENTAL HEALTH</i>	93.113		NORTHEASTERN UNIVERSITY
<i>ENVIRONMENTAL HEALTH</i>	93.113		NORTHEASTERN UNIVERSITY
<i>ENVIRONMENTAL HEALTH</i>	93.113		NORTHEASTERN UNIVERSITY
<i>ENVIRONMENTAL HEALTH</i>	93.113		REPROTOX, LLC
<i>ENVIRONMENTAL HEALTH</i>	93.113		UNIVERSITY OF NORTH CAROLINA
<i>ENVIRONMENTAL HEALTH</i>	93.113		WASHINGTON STATE UNIVERSITY
ENVIRONMENTAL HEALTH	93.113		
PROJECT GRANTS AND COOPERATIVE AGREEMENTS FOR TUBERCULOSIS CONTROL PROGRAMS	93.116		
<i>ORAL DISEASES AND DISORDERS RESEARCH</i>	93.121		EMORY UNIVERSITY
<i>ORAL DISEASES AND DISORDERS RESEARCH</i>	93.121		UNIVERSITY OF ALABAMA AT BIRMINGHAM
ORAL DISEASES AND DISORDERS RESEARCH	93.121		
NURSE ANESTHETIST TRAINEESHIP	93.124		
EMERGENCY MEDICAL SERVICES FOR CHILDREN	93.127		
COOPERATIVE AGREEMENTS TO STATES/TERRITORIES FOR THE COORDINATION AND DEVELOPMENT OF PRIMARY CARE OFFICES	93.130		
CENTERS FOR RESEARCH AND DEMONSTRATION FOR HEALTH PROMOTION AND DISEASE PREVENTION	93.135		
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		
<i>INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS</i>	93.136		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION</i>	93.143		NORTHEASTERN UNIVERSITY
<i>NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION</i>	93.143		TEXAS A&M RESEARCH FOUNDATION
HIV-RELATED TRAINING AND TECHNICAL ASSISTANCE	93.145		
PROJECTS FOR ASSISTANCE IN TRANSITION FROM HOMELESSNESS (PATH)	93.150		
<i>CENTERS OF EXCELLENCE</i>	93.157		MEHARRY MEDICAL COLLEGE
HEALTH PROGRAM FOR TOXIC SUBSTANCES AND DISEASE REGISTRY	93.161		
GRANTS TO STATES FOR LOAN REPAYMENT PROGRAM	93.165		
<i>HUMAN GENOME RESEARCH</i>	93.172		BROAD INSTITUTE INC.
HUMAN GENOME RESEARCH	93.172		
<i>RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS</i>	93.173		EMORY UNIVERSITY
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		
NURSING WORKFORCE DIVERSITY	93.178		
<i>DISABILITIES PREVENTION</i>	93.184		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
DISABILITIES PREVENTION	93.184		
GRADUATE PSYCHOLOGY EDUCATION	93.191		
CHILDHOOD LEAD POISONING PREVENTION PROJECTS, STATE AND LOCAL CHILDHOOD LEAD POISONING PREVENTION AND SURVEILLANCE OF BLOOD LEAD LEVELS IN CHILDREN	93.197		
<i>RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH</i>	93.213		HGG RESEARCH, LLC
<i>RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH</i>	93.213		VIRGINIA COMMONWEALTH UNIVERSITY
<i>RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH</i>	93.213		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213		
HEALTH CENTER PROGRAM (COMMUNITY HEALTH CENTERS, MIGRANT HEALTH CENTERS, HEALTH CARE FOR THE HOMELESS, AND PUBLIC HOUSING PRIMARY CARE)	93.224		
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		
<i>RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES</i>	93.226		WILLIAM BEAUMONT HOSPITAL RESEARCH INSTITUTE
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
	\$413,020	\$3,642,169	\$3,737,450	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$172,057	\$207,641	\$207,641	N/A	\$0
	\$677,372	\$816,441	\$816,441	N/A	\$0
CON006648		-\$1,438	\$857,623	N/A	\$0
17H30MC24046		\$16,252	\$857,623	N/A	\$0
CON009950		\$9,075	\$857,623	N/A	\$0
	\$80,448	\$763,398	\$857,623	N/A	\$0
CON011278		\$70,336	\$857,623	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T779501		\$38,087	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T811860		\$171,413	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010760		\$115,021	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-31		\$5,941	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
50054678050		-\$12,912	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
500612-78050		\$106,472	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
500635-78050		\$21,490	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PA-15-269		\$74,651	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5106555		\$18,283	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010993		\$1,564	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$69,488	\$905,756	\$1,445,766	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$2,579,387	\$2,579,387	N/A	\$0
T825580		\$253,724	\$1,973,417	RESEARCH AND DEVELOPMENT	\$1,033,282,522
000412838-103		\$119,033	\$1,973,417	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$230,069	\$1,600,660	\$1,973,417	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$69,922	\$69,922	N/A	\$0
		\$144,798	\$144,798	N/A	\$0
		\$170,077	\$170,077	N/A	\$0
		\$2,806	\$2,806	N/A	\$0
		\$2,565,223	\$2,608,661	N/A	\$0
63828383-32		\$43,438	\$2,608,661	RESEARCH AND DEVELOPMENT	\$1,033,282,522
50058578050		\$281,353	\$309,276	RESEARCH AND DEVELOPMENT	\$1,033,282,522
02M1801169		\$27,923	\$309,276	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		-\$20	-\$20	N/A	\$0
	\$1,242,289	\$1,778,749	\$1,778,749	N/A	\$0
NTEE		\$4,037	\$4,037	N/A	\$0
		\$10,483	\$10,483	N/A	\$0
		\$43,750	\$43,750	N/A	\$0
6500215732		\$14,114	\$637,163	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$220,190	\$623,049	\$637,163	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A004096		\$29,788	\$3,096,965	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$803,546	\$3,067,177	\$3,096,965	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$439,593	\$439,593	N/A	\$0
63828383-33		\$12,473	\$532,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$136,159	\$520,264	\$532,737	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$323,952	\$323,952	N/A	\$0
		\$336,541	\$336,541	N/A	\$0
AWD00007003		\$12,152	\$855,256	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PT112083-SC107082		\$24,273	\$855,256	RESEARCH AND DEVELOPMENT	\$1,033,282,522
43182019105		\$156,277	\$855,256	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$285,804	\$662,554	\$855,256	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,945,386	\$4,850,447	\$4,850,447	HEALTH CENTER PROGRAM CLUSTER	\$4,850,447
		\$928,102	\$1,833,458	N/A	\$0
SUB NO WBH17001_AUGUSTA		\$5,754	\$1,833,458	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$168,665	\$899,602	\$1,833,458	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
TRAUMATIC BRAIN INJURY STATE DEMONSTRATION GRANT PROGRAM	93.234		
TITLE V STATE SEXUAL RISK AVOIDANCE EDUCATION (TITLE V STATE SRAE) PROGRAM	93.235		
GRANTS TO STATES TO SUPPORT ORAL HEALTH WORKFORCE ACTIVITIES	93.236		
STATE CAPACITY BUILDING	93.240		
STATE RURAL HOSPITAL FLEXIBILITY PROGRAM	93.241		
<i>STATE RURAL HOSPITAL FLEXIBILITY PROGRAM</i>	93.241		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
MENTAL HEALTH RESEARCH GRANTS	93.242		
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		BOSTON COLLEGE
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		CENTRE FOR ADDICTION AND MENTAL HEALTH
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		EMORY UNIVERSITY
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		EMORY UNIVERSITY
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		EMORY UNIVERSITY
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		KAISER FOUNDATION RESEARCH INSTITUTE
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		KAISER PERMANENTE
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		KAISER PERMANENTE
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		KAISER PERMANENTE
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		KAISER PERMANENTE
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		KAISER PERMANENTE
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		KAISER PERMANENTE
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		MIND RESEARCH NETWORK
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		MIND RESEARCH NETWORK
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		MIND RESEARCH NETWORK
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		NEW YORK UNIVERSITY
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		RAND CORPORATION
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY, LLC
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		TULANE UNIVERSITY
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		UNIVERSITY OF SOUTHERN CALIFORNIA
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		UNIVERSITY OF SOUTHERN CALIFORNIA
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		UNIVERSITY OF TEXAS AT SAN ANTONIO
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		UNIVERSITY OF WASHINGTON
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		WAKE FOREST UNIVERSITY
<i>MENTAL HEALTH RESEARCH GRANTS</i>	93.242		YALE UNIVERSITY
MENTAL HEALTH RESEARCH GRANTS	93.242		
<i>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE</i>	93.243		JOHNS HOPKINS UNIVERSITY
<i>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE</i>	93.243		JOHNS HOPKINS UNIVERSITY
<i>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE</i>	93.243		MOREHOUSE SCHOOL OF MEDICINE
<i>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE</i>	93.243		POSITIVE IMPACT HEALTH CENTERS, INC.
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		
<i>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE</i>	93.243		COBB AND DOUGLAS COUNTIES COMMUNITY SERVICES BOARD
<i>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE</i>	93.243		HIGHLAND RIVERS COMMUNITY SERVICE BOARD
<i>SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE</i>	93.243		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		
<i>ADVANCED NURSING EDUCATION WORKFORCE GRANT PROGRAM</i>	93.247		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
ADVANCED NURSING EDUCATION WORKFORCE GRANT PROGRAM	93.247		
UNIVERSAL NEWBORN HEARING SCREENING	93.251		
<i>OCCUPATIONAL SAFETY AND HEALTH PROGRAM</i>	93.262		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262		
<i>OCCUPATIONAL SAFETY AND HEALTH PROGRAM</i>	93.262		UNIVERSITY OF SOUTH FLORIDA
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262		
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$72,616	\$72,616	N/A	\$0
	\$1,496,279	\$3,279,854	\$3,279,854	N/A	\$0
	\$67,500	\$399,370	\$399,370	N/A	\$0
		\$237,709	\$237,709	N/A	\$0
		\$523,318	\$564,772	N/A	\$0
63828383-34		\$41,454	\$564,772	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$15,466	\$18,701	\$4,258,949	N/A	\$0
51056221		\$49,468	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON004907		\$6,279	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#A027182		\$88,692	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008255		\$26,710	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T923072		\$2,835	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO. 0255-3351-4609		\$47,013	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011918		\$2,304	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON006965		\$0	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON006966		-\$715	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON006968		-\$29,666	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010730		\$11,581	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011640		\$7,117	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007036		\$47,138	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007941		\$103,849	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011506		\$19,427	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
F8752095		\$28,488	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
9920180024		\$27,951	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#145278		\$67,760	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON012252		\$5,918	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON005300		\$2,152	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009483		\$17,144	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON012130		\$7,956	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008169		\$51,401	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD # UWSC8592		\$5,156	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB WFUHS 558548		\$22,013	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GR101130		\$19,998	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$713,779	\$3,602,279	\$4,258,949	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SBIRT NURSING CURRICULA AND ED		\$6,954	\$6,843,223	N/A	\$0
SUBAWARD NO. 2004173466		\$2,195	\$6,843,223	N/A	\$0
HBCUCFE16-17/20		\$6,877	\$6,843,223	N/A	\$0
LOA TRANSFORM PROJECT		\$21,995	\$6,843,223	N/A	\$0
	\$1,708,740	\$6,451,621	\$6,843,223	N/A	\$0
CON008807		\$21,320	\$6,843,223	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008806		\$21,320	\$6,843,223	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1H79T1026010-01		\$7,240	\$6,843,223	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$303,701	\$6,843,223	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-35		\$702,430	\$2,385,198	N/A	\$0
		\$1,682,768	\$2,385,198	N/A	\$0
		\$252,173	\$252,173	N/A	\$0
63828383-36		\$7,075	\$154,340	N/A	\$0
		\$135,802	\$154,340	N/A	\$0
6402-1095-03-C		\$9,546	\$154,340	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,917	\$154,340	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$2,155,708	\$2,155,708	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
<i>HEALTH SYSTEMS STRENGTHENING AND HIV/AIDS PREVENTION, CARE AND TREATMENT UNDER THE PRESIDENT'S EMERGENCY PLAN FOR AIDS RELIEF</i>	93.266		UNIVERSITY OF CHICAGO
IMMUNIZATION COOPERATIVE AGREEMENTS	93.268		
VIRAL HEPATITIS PREVENTION AND CONTROL	93.270		
<i>ALCOHOL RESEARCH PROGRAMS</i>	93.273		BEHAVIORAL SCIENCE TECHNOLOGIES, LLC
<i>ALCOHOL RESEARCH PROGRAMS</i>	93.273		INLIGHTA BIOSCIENCES, LLC
<i>ALCOHOL RESEARCH PROGRAMS</i>	93.273		YALE UNIVERSITY
ALCOHOL RESEARCH PROGRAMS	93.273		
<i>DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS</i>	93.279		BUTLER HOSPITAL
<i>DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS</i>	93.279		EMORY UNIVERSITY
<i>DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS</i>	93.279		NATIONAL BUREAU OF ECONOMIC RESEARCH
<i>DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS</i>	93.279		NORTHWESTERN UNIVERSITY
<i>DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS</i>	93.279		UNIVERSITY OF CONNECTICUT
<i>DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS</i>	93.279		UNIVERSITY OF WISCONSIN - MADISON
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279		
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283		
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		CASE WESTERN RESERVE UNIVERSITY
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		CORNELL UNIVERSITY
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		EMORY UNIVERSITY
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		EMORY UNIVERSITY
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		EMORY UNIVERSITY
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		EMORY UNIVERSITY
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		MICHIGAN STATE UNIVERSITY
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		NORTHEASTERN UNIVERSITY
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		UNIVERSITY OF MEMPHIS
<i>DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH</i>	93.286		UNIVERSITY OF TEXAS AT AUSTIN
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286		
STATE PARTNERSHIP GRANT PROGRAM TO IMPROVE MINORITY HEALTH	93.296		
TEENAGE PREGNANCY PREVENTION PROGRAM	93.297		
SMALL RURAL HOSPITAL IMPROVEMENT GRANT PROGRAM	93.301		
PPHF 2018: OFFICE OF SMOKING AND HEALTH-NATIONAL STATE-BASED TOBACCO CONTROL PROGRAMS-FINANCED IN PART BY 2018 PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.305		
<i>MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH</i>	93.307		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH</i>	93.307		EMORY UNIVERSITY
<i>MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH</i>	93.307		HAMPTON UNIVERSITY
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307		
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		CASE WESTERN RESERVE UNIVERSITY
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		EMORY UNIVERSITY
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		EMORY UNIVERSITY
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		EMORY UNIVERSITY
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		EMORY UNIVERSITY
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		NORTHEASTERN UNIVERSITY
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		NORTHEASTERN UNIVERSITY
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		UNIVERSITY OF CALIFORNIA, DAVIS
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		UNIVERSITY OF CALIFORNIA, DAVIS
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		UNIVERSITY OF CALIFORNIA, DAVIS
<i>TRANS-NIH RESEARCH SUPPORT</i>	93.310		UNIVERSITY OF FLORIDA
TRANS-NIH RESEARCH SUPPORT	93.310		
NIH OFFICE OF RESEARCH ON WOMEN'S HEALTH	93.313		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
CON009064		\$22,733	\$22,733	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$152,552,265	\$152,552,265	N/A	\$0
		\$550,807	\$550,807	N/A	\$0
CON007683		\$216,080	\$1,849,603	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010404		\$128,457	\$1,849,603	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GR104576		\$109,030	\$1,849,603	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$113,245	\$1,396,036	\$1,849,603	RESEARCH AND DEVELOPMENT	\$1,033,282,522
92408302		\$46,670	\$2,369,606	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T808933		\$15,931	\$2,369,606	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010369		\$30,571	\$2,369,606	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011979		\$33,481	\$2,369,606	RESEARCH AND DEVELOPMENT	\$1,033,282,522
69979		\$154,812	\$2,369,606	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB # 844K701		\$11,236	\$2,369,606	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$399,680	\$2,076,905	\$2,369,606	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$566,452	\$566,452	N/A	\$0
CON011087		\$80,184	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
16111826-GEORGIA		\$40,999	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A066666		\$39,462	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A066738 (CORE 4)		\$156	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A073523		\$79,497	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A084034		\$84,715	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC104170GT		\$128,669	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
500396-78050		\$7,925	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
105475C		\$156,241	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5-40708		\$74,277	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UTA17-000428		\$44,425	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$643,438	\$4,904,136	\$5,640,686	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$138,008	\$138,008	N/A	\$0
		\$104	\$104	N/A	\$0
		\$559,350	\$559,350	N/A	\$0
		\$837,010	\$837,010	N/A	\$0
HHSS280200600029C		\$205	\$107,255	N/A	\$0
SUBAWARD#: T864540		\$4,977	\$107,255	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HU150002		\$36,142	\$107,255	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$65,931	\$107,255	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RES512662		\$79,658	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
S699823		\$116,044	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T491511		\$25,021	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T662893		-\$11,820	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T951414		\$240,877	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
50055978052 P1803156		\$267,953	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
500626-78050		\$429,410	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008957		\$132,375	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011366		\$208,584	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011397		\$211,836	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00011936		\$6,462	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$1,713,513	\$6,306,528	\$8,012,928	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$60,877	\$60,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
EARLY HEARING DETECTION AND INTERVENTION INFORMATION SYSTEM (EHDI-IS) SURVEILLANCE PROGRAM	93.314		
EMERGING INFECTIONS PROGRAMS	93.317		
OUTREACH PROGRAMS TO REDUCE THE PREVALENCE OF OBESITY IN HIGH RISK RURAL AREAS	93.319		
EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	93.323		
<i>EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)</i>	93.323		FLORIDA DEPARTMENT OF HEALTH
STATE HEALTH INSURANCE ASSISTANCE PROGRAM	93.324		
<i>PARTNERSHIPS TO IMPROVE COMMUNITY HEALTH</i>	93.331		FULTON COUNTY
BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM	93.336		
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342		
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
<i>NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES</i>	93.350		EMORY UNIVERSITY
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		
<i>RESEARCH INFRASTRUCTURE PROGRAMS</i>	93.351		EMORY UNIVERSITY
<i>RESEARCH INFRASTRUCTURE PROGRAMS</i>	93.351		PURDUE UNIVERSITY
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		
<i>21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT</i>	93.353		UNIVERSITY OF ALABAMA
PUBLIC HEALTH EMERGENCY RESPONSE: COOPERATIVE AGREEMENT FOR EMERGENCY RESPONSE: PUBLIC HEALTH CRISIS RESPONSE	93.354		
NURSE EDUCATION, PRACTICE QUALITY AND RETENTION GRANTS	93.359		
<i>NURSING RESEARCH</i>	93.361		EMORY UNIVERSITY
NURSING RESEARCH	93.361		
NURSING STUDENT LOANS	93.364		
<i>SICKLE CELL TREATMENT DEMONSTRATION PROGRAM</i>	93.365		ATRIUM HEALTH
STATE ACTIONS TO IMPROVE ORAL HEALTH OUTCOMES AND PARTNER ACTIONS TO IMPROVE ORAL HEALTH OUTCOMES	93.366		
FLEXIBLE FUNDING MODEL - INFRASTRUCTURE DEVELOPMENT AND MAINTENANCE FOR STATE MANUFACTURED FOOD REGULATORY PROGRAMS	93.367		
ACL INDEPENDENT LIVING STATE GRANTS	93.369		
<i>NATIONAL AND STATE TOBACCO CONTROL PROGRAM</i>	93.387		UNIVERSITY OF PENNSYLVANIA
<i>NATIONAL CENTER FOR RESEARCH RESOURCES</i>	93.389		UNIVERSITY OF CALIFORNIA, SAN DIEGO
<i>CANCER CAUSE AND PREVENTION RESEARCH</i>	93.393		IONIC PHARMACEUTICALS
<i>CANCER CAUSE AND PREVENTION RESEARCH</i>	93.393		TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER
<i>CANCER CAUSE AND PREVENTION RESEARCH</i>	93.393		UNIVERSITY OF CONNECTICUT
<i>CANCER CAUSE AND PREVENTION RESEARCH</i>	93.393		UNIVERSITY OF TOLEDO
<i>CANCER CAUSE AND PREVENTION RESEARCH</i>	93.393		UNIVERSITY OF UTAH
CANCER CAUSE AND PREVENTION RESEARCH	93.393		
<i>CANCER DETECTION AND DIAGNOSIS RESEARCH</i>	93.394		INLIGHTA BIOSCIENCES, LLC
<i>CANCER DETECTION AND DIAGNOSIS RESEARCH</i>	93.394		UNIVERSITY OF ARKANSAS
<i>CANCER DETECTION AND DIAGNOSIS RESEARCH</i>	93.394		UNIVERSITY OF PENNSYLVANIA
<i>CANCER DETECTION AND DIAGNOSIS RESEARCH</i>	93.394		UNIVERSITY OF PITTSBURGH
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394		
<i>CANCER TREATMENT RESEARCH</i>	93.395		BOSTON UNIVERSITY
<i>CANCER TREATMENT RESEARCH</i>	93.395		ECOG-ACRIN CANCER RESEARCH GROUP
<i>CANCER TREATMENT RESEARCH</i>	93.395		EMORY UNIVERSITY
<i>CANCER TREATMENT RESEARCH</i>	93.395		EMORY UNIVERSITY
<i>CANCER TREATMENT RESEARCH</i>	93.395		EMORY UNIVERSITY
<i>CANCER TREATMENT RESEARCH</i>	93.395		EMORY UNIVERSITY
<i>CANCER TREATMENT RESEARCH</i>	93.395		LEIDOS, INC.
<i>CANCER TREATMENT RESEARCH</i>	93.395		PRODA BIOTECH, LLC
<i>CANCER TREATMENT RESEARCH</i>	93.395		PRODA BIOTECH, LLC
<i>CANCER TREATMENT RESEARCH</i>	93.395		UNIVERSITY OF MICHIGAN
CANCER TREATMENT RESEARCH	93.395		
<i>CANCER BIOLOGY RESEARCH</i>	93.396		EMORY UNIVERSITY
<i>CANCER BIOLOGY RESEARCH</i>	93.396		EMORY UNIVERSITY
<i>CANCER BIOLOGY RESEARCH</i>	93.396		HENRY FORD HEALTH SYSTEM

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$202,694	\$202,694	N/A	\$0
		\$7,601,764	\$7,601,764	N/A	\$0
		\$595,907	\$595,907	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$108,332	\$174,573	N/A	\$0
CODNR		\$66,241	\$174,573	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$481,109	\$1,102,552	\$1,102,552	N/A	\$0
CON008794		-\$1,633	-\$1,633	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$235,396	\$235,396	N/A	\$0
		\$66,180	\$66,180	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
A004409		\$20,895	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A007319		\$282,479	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A053611		\$13,082	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A053681		\$39,351	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010797		\$8,054	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011096		\$27,016	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PEND 7/1 T916186		\$1,240,846	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PEND A01 7/1 A155067		\$59,289	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T920808		\$104	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T920868		\$35,828	\$1,726,944	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$83,886	\$2,337,197	N/A	\$0
T620910		\$252,547	\$2,337,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4102-86208		\$812	\$2,337,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,999,952	\$2,337,197	RESEARCH AND DEVELOPMENT	\$1,033,282,522
000516421001		\$46,066	\$46,066	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,685,010	\$1,685,010	N/A	\$0
		\$211,039	\$211,039	N/A	\$0
CON010115		\$1,816	\$186,162	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$184,346	\$186,162	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$736,471	\$736,471	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
SUBAWARD NO. 3000301054		\$47,471	\$47,471	N/A	\$0
		\$117,790	\$117,790	N/A	\$0
		\$211,735	\$211,735	N/A	\$0
		\$577,041	\$577,041	N/A	\$0
1R01HL147256-01		\$701	\$701	RESEARCH AND DEVELOPMENT	\$1,033,282,522
10319666		-\$15,991	-\$15,991	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RCA224739A		\$28,000	\$1,683,546	RESEARCH AND DEVELOPMENT	\$1,033,282,522
15LMF0178NLS/RCA190710		\$17,009	\$1,683,546	RESEARCH AND DEVELOPMENT	\$1,033,282,522
324639		\$32,377	\$1,683,546	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011331		\$8,444	\$1,683,546	RESEARCH AND DEVELOPMENT	\$1,033,282,522
10044693-02		\$29,609	\$1,683,546	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$80,000	\$1,568,107	\$1,683,546	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008621		\$260,665	\$2,135,853	RESEARCH AND DEVELOPMENT	\$1,033,282,522
52313		\$155,625	\$2,135,853	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3760691/569205		-\$2	\$2,135,853	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB:0035722(129643-1)		\$21,042	\$2,135,853	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$14,937	\$1,698,523	\$2,135,853	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD#: 4500002673		\$113,837	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5UG1CA189828-03-MCG1		\$22,364	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T692510		\$9,739	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T692521		\$45,030	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T692799		\$159,824	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGREEMENT #: 16X106		\$84,901	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009122		\$49,411	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010395		\$237,583	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBK00008227		\$16,102	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$672,332	\$3,582,463	\$4,321,254	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON006548		\$11,070	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T953287		\$53,124	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
B11165UGRF		\$46,078	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
CANCER BIOLOGY RESEARCH	93.396		UNIVERSITY OF ALABAMA
CANCER BIOLOGY RESEARCH	93.396		UNIVERSITY OF FLORIDA
CANCER BIOLOGY RESEARCH	93.396		UNIVERSITY OF MICHIGAN
CANCER BIOLOGY RESEARCH	93.396		UNIVERSITY OF NORTH TEXAS HEALTH SCIENCE
CANCER BIOLOGY RESEARCH	93.396		UNIVERSITY OF TEXAS MD ANDERSON CANCER
CANCER BIOLOGY RESEARCH	93.396		UNIVERSITY OF TEXAS MD ANDERSON CANCER
CANCER BIOLOGY RESEARCH	93.396		
CANCER CENTERS SUPPORT GRANTS	93.397		MOFFITT CANCER CENTER
CANCER RESEARCH MANPOWER	93.398		UNIVERSITY OF ARIZONA
CANCER RESEARCH MANPOWER	93.398		
CANCER CONTROL	93.399		KAISER PERMANENTE
STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATIONS HEALTH	93.421		
NON-ACA/PPHF - BUILDING CAPACITY OF THE PUBLIC HEALTH SYSTEM TO IMPROVE POPULATION HEALTH THROUGH NATIONAL NONPROFIT ORGANIZATIONS	93.424		ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES
NON-ACA/PPHF - BUILDING CAPACITY OF THE PUBLIC HEALTH SYSTEM TO IMPROVE POPULATION HEALTH THROUGH NATIONAL NONPROFIT ORGANIZATIONS	93.424		
NON-ACA/PPHF - BUILDING CAPACITY OF THE PUBLIC HEALTH SYSTEM TO IMPROVE POPULATION HEALTH THROUGH NATIONAL NONPROFIT ORGANIZATIONS	93.424		NATIONAL NETWORK OF PUBLIC HEALTH INSTITUTES
NON-ACA/PPHF - BUILDING CAPACITY OF THE PUBLIC HEALTH SYSTEM TO IMPROVE POPULATION HEALTH THROUGH NATIONAL NONPROFIT ORGANIZATIONS	93.424		NATIONAL NETWORK OF PUBLIC HEALTH INSTITUTES
IMPROVING THE HEALTH OF AMERICANS THROUGH PREVENTION AND MANAGEMENT OF DIABETES AND HEART DISEASE AND STROKE	93.426		
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433		UNIVERSITY OF PENNSYLVANIA
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433		
EVERY STUDENT SUCCEEDS ACT/PRESCHOOL DEVELOPMENT GRANTS	93.434		
INNOVATIVE STATE AND LOCAL PUBLIC HEALTH STRATEGIES TO PREVENT AND MANAGE DIABETES AND HEART DISEASE AND STROKE-	93.435		
CDC UNDERGRADUATE PUBLIC HEALTH SCHOLARS PROGRAM (CUPS): A PUBLIC HEALTH EXPERIENCE TO EXPOSE UNDERGRADUATES INTERESTED IN MINORITY HEALTH TO PUBLIC HEALTH AND THE PUBLIC HEALTH PROFESSIONS	93.456		
ACL ASSISTIVE TECHNOLOGY	93.464		
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505		
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505		MDRC
ACA NATIONWIDE PROGRAM FOR NATIONAL AND STATE BACKGROUND CHECKS FOR DIRECT PATIENT ACCESS EMPLOYEES OF LONG TERM CARE FACILITIES AND PROVIDERS	93.506		
PUBLIC HEALTH TRAINING CENTERS PROGRAM	93.516		EMORY UNIVERSITY
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	93.521		
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)	93.524		
PPHF CAPACITY BUILDING ASSISTANCE TO STRENGTHEN PUBLIC HEALTH IMMUNIZATION INFRASTRUCTURE AND PERFORMANCE FINANCED IN PART BY PREVENTION AND PUBLIC HEALTH FUNDS	93.539		
PROMOTING SAFE AND STABLE FAMILIES	93.556		
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558		
CHILD SUPPORT ENFORCEMENT	93.563		
CHILD SUPPORT ENFORCEMENT RESEARCH	93.564		
REFUGEE AND ENTRANT ASSISTANCE STATE/REPLACEMENT DESIGNEE ADMINISTERED PROGRAMS	93.566		
LOW-INCOME HOME ENERGY ASSISTANCE	93.568		
COMMUNITY SERVICES BLOCK GRANT	93.569		
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575		
REFUGEE AND ENTRANT ASSISTANCE DISCRETIONARY GRANTS	93.576		
U.S. REPATRIATION	93.579		
REFUGEE AND ENTRANT ASSISTANCE TARGETED ASSISTANCE GRANTS	93.584		
STATE COURT IMPROVEMENT PROGRAM	93.586		
COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS	93.590		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
000519805-001		\$45,639	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD: UFDSP00011398		\$59,250	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3004589137		\$88,624	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008964		\$21,210	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3001155211		\$319	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO3001155211		\$154,664	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$993,503	\$5,834,957	\$6,314,935	RESEARCH AND DEVELOPMENT	\$1,033,282,522
10-18722-20-42-G8/P30CA076292-2054		\$5,764	\$5,764	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010918		\$35,011	\$250,798	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$5,700	\$215,787	\$250,798	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010489		\$3,630	\$3,630	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$246	\$246	N/A	\$0
CON009432		\$2,280	\$61,108	N/A	\$0
		\$45,621	\$61,108	N/A	\$0
CON010309		\$765	\$61,108	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010473		\$12,442	\$61,108	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$1,050,658	\$1,050,658	N/A	\$0
0058440 (130293-1)		\$90,143	\$2,510,262	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$260,429	\$2,420,119	\$2,510,262	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$32,759	\$32,759	N/A	\$0
		\$76,181	\$76,181	N/A	\$0
		\$57,701	\$57,701	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$156,730	\$726,963	\$726,963	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$0	\$14,715	N/A	\$0
MIHOPE II		\$14,715	\$14,715	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$15,648	\$15,648	N/A	\$0
T983760		\$49,999	\$49,999	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$3,189,367	\$3,189,367	N/A	\$0
		\$16,001	\$16,001	N/A	\$0
		-\$349	-\$349	N/A	\$0
		\$12,941,240	\$12,941,240	N/A	\$0
	\$46,941,266	\$318,732,679	\$318,732,679	TANF CLUSTER	\$318,732,679
	\$13,456,844	\$83,487,286	\$83,487,286	N/A	\$0
		\$856,997	\$856,997	N/A	\$0
	\$963,841	\$5,535,515	\$5,535,515	N/A	\$0
	\$60,136,915	\$65,081,243	\$65,081,243	N/A	\$0
	\$19,173,269	\$21,103,145	\$21,103,145	N/A	\$0
	\$33,966,681	\$187,063,587	\$187,063,587	CCDF CLUSTER	\$276,853,899
		\$85,176	\$85,176	N/A	\$0
		\$372	\$372	N/A	\$0
	\$505,494	\$505,494	\$505,494	N/A	\$0
		\$898,446	\$898,446	N/A	\$0
	\$16,000	\$816,580	\$816,580	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
CHILD CARE MANDATORY AND MATCHING FUNDS OF THE CHILD CARE AND DEVELOPMENT FUND	93.596		
GRANTS TO STATES FOR ACCESS AND VISITATION PROGRAMS	93.597		
CHAFEE EDUCATION AND TRAINING VOUCHERS PROGRAM (ETV)	93.599		
<i>HEAD START</i>	93.600		YMCA EARLY CHILD DEVELOPMENT CO, LLC
<i>HEAD START</i>	93.600		YMCA EARLY CHILD DEVELOPMENT CO, LLC
<i>HEAD START</i>	93.600		YMCA EARLY CHILD DEVELOPMENT CO, LLC
HEAD START	93.600		
ADOPTION AND LEGAL GUARDIANSHIP INCENTIVE PAYMENTS	93.603		
AFFORDABLE CARE ACT: TESTING EXPERIENCE AND FUNCTIONAL ASSESSMENT TOOLS	93.627		
<i>DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS</i>	93.630		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630		
<i>DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE</i>	93.631		QUALITY TRUST
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631		
<i>UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH, AND SERVICE</i>	93.632		GEORGETOWN UNIVERSITY
UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH, AND SERVICE	93.632		
UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH, AND SERVICE	93.632		
CHILDREN'S JUSTICE GRANTS TO STATES	93.643		
STEPHANIE TUBBS JONES CHILD WELFARE SERVICES PROGRAM	93.645		
<i>CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION</i>	93.648		THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK
<i>FOSTER CARE TITLE IV-E</i>	93.658		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
FOSTER CARE TITLE IV-E	93.658		
ADOPTION ASSISTANCE	93.659		
EXTRAMURAL RESEARCH FACILITIES RESTORATION PROGRAM: HURRICANES HARVEY, MARIA, AND IRMA CONSTRUCTION	93.662		
<i>SOCIAL SERVICES BLOCK GRANT</i>	93.667		SOUTHERN GEORGIA REGIONAL COMMISSION
SOCIAL SERVICES BLOCK GRANT	93.667		
CHILD ABUSE AND NEGLECT STATE GRANTS	93.669		
FAMILY VIOLENCE PREVENTION AND SERVICES/DOMESTIC VIOLENCE SHELTER AND SUPPORTIVE SERVICES	93.671		
JOHN H. CHAFEE FOSTER CARE PROGRAM FOR SUCCESSFUL TRANSITION TO ADULTHOOD	93.674		
<i>MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS</i>	93.732		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS	93.732		
MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS	93.732		
CAPACITY BUILDING ASSISTANCE TO STRENGTHEN PUBLIC HEALTH IMMUNIZATION INFRASTRUCTURE AND PERFORMANCE - FINANCED IN PART BY THE PREVENTION AND PUBLIC HEALTH FUND (PPHF)	93.733		
STATE PUBLIC HEALTH APPROACHES FOR ENSURING QUILINE CAPACITY - FUNDED IN PART BY PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.735		
<i>PPHF: RACIAL AND ETHNIC APPROACHES TO COMMUNITY HEALTH PROGRAM FINANCED SOLELY BY PUBLIC PREVENTION AND HEALTH FUNDS</i>	93.738		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
PPHF: BREAST AND CERVICAL CANCER SCREENING OPPORTUNITIES FOR STATES, TRIBES AND TERRITORIES SOLELY FINANCED BY PREVENTION AND PUBLIC HEALTH FUNDS	93.744		
PPHF: HEALTH CARE SURVEILLANCE/HEALTH STATISTICS SURVEILLANCE PROGRAM			
ANNOUNCEMENT: BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM FINANCED IN PART BY PREVENTION AND PUBLIC HEALTH FUND	93.745		
CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS FINANCED IN PART BY PREVENTION AND PUBLIC HEALTH FUNDS	93.752		
CHILD LEAD POISONING PREVENTION SURVEILLANCE FINANCED IN PART BY PREVENTION AND PUBLIC HEALTH (PPHF) PROGRAM	93.753		
STATE AND LOCAL PUBLIC HEALTH ACTIONS TO PREVENT OBESITY, DIABETES, HEART DISEASE AND STROKE (PPHF)	93.757		
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT FUNDED SOLELY WITH PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.758		
ALZHEIMER'S DISEASE INITIATIVE: SPECIALIZED SUPPORTIVE SERVICES PROJECT (ADI-SSS) THRU PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.763		
PPHF-CDC PARTNERSHIP: STRENGTHENING PUBLIC HEALTH LABORATORIES	93.765		
CHILDREN'S HEALTH INSURANCE PROGRAM	93.767		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
	\$2,263,803	\$89,790,312	\$89,790,312	CCDF CLUSTER	\$276,853,899
		\$235,592	\$235,592	N/A	\$0
		\$816,206	\$816,206	N/A	\$0
1150_54		-\$119	\$14,039,910	N/A	\$0
1160_54		\$75,409	\$14,039,910	N/A	\$0
1176_54		\$19,696	\$14,039,910	N/A	\$0
	\$6,887,451	\$13,944,924	\$14,039,910	N/A	\$0
		\$762,151	\$762,151	N/A	\$0
		\$910,029	\$910,029	N/A	\$0
KSU/GCDDFY19		\$73,535	\$2,284,961	N/A	\$0
		\$2,211,426	\$2,284,961	N/A	\$0
LANIER		\$3,864	\$394,045	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$1,845	\$390,181	\$394,045	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009167		-\$181	\$1,010,984	N/A	\$0
		\$478,074	\$1,010,984	N/A	\$0
		\$533,091	\$1,010,984	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$213,816	\$413,253	\$413,253	N/A	\$0
		\$10,325,198	\$10,325,198	N/A	\$0
982905		\$900	\$900	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SP00012480-06		\$185,539	\$93,640,119	N/A	\$0
	\$7,096	\$93,454,580	\$93,640,119	N/A	\$0
		\$52,332,603	\$52,332,603	N/A	\$0
		\$286,751	\$286,751	N/A	\$0
AAA-2019-07A		\$13,754	\$56,193,609	N/A	\$0
	\$28,403,724	\$56,179,855	\$56,193,609	N/A	\$0
		\$155,483	\$155,483	N/A	\$0
	\$2,574,229	\$2,650,859	\$2,650,859	N/A	\$0
		\$3,408,695	\$3,408,695	N/A	\$0
63828383-37		\$305,881	\$937,062	N/A	\$0
		\$282,700	\$937,062	N/A	\$0
		\$348,481	\$937,062	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$163,535	\$163,535	N/A	\$0
		\$552,818	\$552,818	N/A	\$0
63828383-38		\$6,270	\$6,270	N/A	\$0
		-\$34	-\$34	N/A	\$0
		\$165	\$165	N/A	\$0
		\$389	\$389	N/A	\$0
		\$15,669	\$15,669	N/A	\$0
		\$411,982	\$411,982	N/A	\$0
	\$196,871	\$5,015,218	\$5,015,218	N/A	\$0
		\$343,690	\$343,690	N/A	\$0
		\$2,990	\$2,990	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$448,432,613	\$448,432,613	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

Federal Awarding Agency/Program Title	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
MEDICARE SUPPLEMENTARY MEDICAL INSURANCE	93.774		
STATE MEDICAID FRAUD CONTROL UNITS	93.775		
STATE SURVEY AND CERTIFICATION OF HEALTH CARE PROVIDERS AND SUPPLIERS (TITLE XVIII) MEDICARE	93.777		
MEDICAL ASSISTANCE PROGRAM	93.778		
<i>CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMS) RESEARCH, DEMONSTRATIONS AND EVALUATIONS</i>	93.779		SECOND WIND DREAMS, INC.
OPIOID STR	93.788		
MONEY FOLLOWS THE PERSON REBALANCING DEMONSTRATION	93.791		
PAUL COVERDELL NATIONAL ACUTE STROKE PROGRAM NATIONAL CENTER FOR CHRONIC DISEASE PREVENTION AND HEALTH PROMOTION	93.810		
DOMESTIC EBOLA SUPPLEMENT TO THE EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC).	93.815		
HOSPITAL PREPAREDNESS PROGRAM (HPP) EBOLA PREPAREDNESS AND RESPONSE ACTIVITIES	93.817		
<i>HEALTH CAREERS OPPORTUNITY PROGRAM</i>	93.822		INFECTIOUS DISEASE RESEARCH INSTITUTE
<i>EBOLA SUPPORT: TRANSMISSION AND PREVENTION CONTROL, PUBLIC HEALTH PREPAREDNESS, VACCINE DEVELOPMENT</i>	93.823		EMORY UNIVERSITY
<i>EBOLA SUPPORT: TRANSMISSION AND PREVENTION CONTROL, PUBLIC HEALTH PREPAREDNESS, VACCINE DEVELOPMENT</i>	93.823		EMORY UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		BAYLOR COLLEGE OF MEDICINE
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		BOSTON CHILDREN'S HOSPITAL
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		COLORADO STATE UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		EMORY UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		EMORY UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		EMORY UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		EMORY UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		EMORY UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		EMORY UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		EMORY UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		MASSACHUSETTS GENERAL HOSPITAL
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		SUTTER HEALTH
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		TEMPLE UNIVERSITY
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		UNIVERSITY OF IOWA
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		UNIVERSITY OF PITTSBURGH
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		UNIVERSITY OF SOUTH CAROLINA
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		UNIVERSITY OF TEXAS AT AUSTIN
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		UNIVERSITY OF VIRGINIA
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		UT-BATTELLE, LLC
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		WEILL CORNELL MEDICINE
<i>CARDIOVASCULAR DISEASES RESEARCH</i>	93.837		
<i>LUNG DISEASES RESEARCH</i>	93.838		EMORY UNIVERSITY
<i>LUNG DISEASES RESEARCH</i>	93.838		JOHNS HOPKINS UNIVERSITY
<i>LUNG DISEASES RESEARCH</i>	93.838		UNIVERSITY OF PITTSBURGH
<i>LUNG DISEASES RESEARCH</i>	93.838		UNIVERSITY OF PITTSBURGH
<i>BLOOD DISEASES AND RESOURCES RESEARCH</i>	93.839		EMORY UNIVERSITY
<i>BLOOD DISEASES AND RESOURCES RESEARCH</i>	93.839		EMORY UNIVERSITY
<i>BLOOD DISEASES AND RESOURCES RESEARCH</i>	93.839		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>BLOOD DISEASES AND RESOURCES RESEARCH</i>	93.839		TEMPLE UNIVERSITY
<i>BLOOD DISEASES AND RESOURCES RESEARCH</i>	93.839		TEMPLE UNIVERSITY
<i>BLOOD DISEASES AND RESOURCES RESEARCH</i>	93.839		THE NATIONAL MARROW DONOR PROGRAM
<i>BLOOD DISEASES AND RESOURCES RESEARCH</i>	93.839		
<i>ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH</i>	93.846		COLUMBIA UNIVERSITY
<i>ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH</i>	93.846		EMORY UNIVERSITY
<i>ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH</i>	93.846		PRINCETON UNIVERSITY
<i>ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH</i>	93.846		
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		BAYLOR COLLEGE OF MEDICINE
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		EMORY UNIVERSITY
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		EMORY UNIVERSITY
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		EMORY UNIVERSITY
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		EMORY UNIVERSITY
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		EMORY UNIVERSITY
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		INFRA RED RX, INC.
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		MAYO CLINIC, ROCHESTER

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$2,076,708	\$2,076,708	N/A	\$0
		\$3,615,757	\$3,615,757	MEDICAID CLUSTER	\$7,847,124,737
		\$9,636,673	\$9,636,673	MEDICAID CLUSTER	\$7,847,124,737
	\$37,050,228	\$7,833,872,307	\$7,833,872,307	MEDICAID CLUSTER	\$7,847,124,737
5482401		\$59,194	\$59,194	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$3,676,401	\$11,281,276	\$11,281,276	N/A	\$0
		\$9,138,627	\$9,138,627	N/A	\$0
		\$708,053	\$708,053	N/A	\$0
		\$828,168	\$828,168	N/A	\$0
		\$2,030,864	\$2,030,864	N/A	\$0
SB1022UGARF2018		\$48,588	\$48,588	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON006903		\$126,464	\$187,383	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T562794		\$60,919	\$187,383	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#P.O. 700000129		\$1,885	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GENFD0001475301		\$113,687	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
G6518101		\$19,957	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A022924		\$79,543	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A092263		\$146,396	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A101267		\$37,884	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD #: T549620		\$9,293	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD #: T657728		\$1,000	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T586137		\$17,933	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PROTOCOL #: A5332		\$7,946	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
280201017-S249		\$24,928	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO. 260382-AURI		\$12,825	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011476		\$70,130	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011106		\$3,150	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
142608		\$1,099	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UTA13-000981		\$174,376	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GB10347 2133564		\$75,214	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4000128353		\$91	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011280		\$43,738	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,345,183	\$23,595,458	\$24,436,533	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T863524/A029070/A191373		\$219,547	\$4,474,827	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2002969514		\$0	\$4,474,827	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0056302 1301791		\$29,774	\$4,474,827	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7/1/19 PNDG PER CAC		\$286,346	\$4,474,827	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$856,879	\$3,939,160	\$4,474,827	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A035610		\$71,263	\$2,524,623	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010315		\$32,301	\$2,524,623	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-39		\$61,936	\$2,524,623	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009692		\$223,024	\$2,524,623	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON012093		\$65,818	\$2,524,623	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PROTOCOL BMT CTN1506-2215-0304		\$14,208	\$2,524,623	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$164,504	\$2,056,073	\$2,524,623	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2(GG014632-01)		\$31,560	\$2,416,378	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T684328		\$0	\$2,416,378	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB0000252		\$91,295	\$2,416,378	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$91,452	\$2,293,523	\$2,416,378	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7000000244		\$39,131	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#T663443		\$104,585	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A054794		\$23,739	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010461		\$36,338	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T701369		\$5,048	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T701372		-\$515	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB00001001		\$11,898	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GEO-235217/PO#65641111		\$23,112	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		PENNSYLVANIA STATE UNIVERSITY
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		SEATTLE INSTITUTE FOR BIOMEDICAL AND CLINICAL RESEARCH (SIBCR)
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		UNIVERSITY OF FLORIDA
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		UNIVERSITY OF IOWA
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		UNIVERSITY OF NORTH CAROLINA
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		UNIVERSITY OF NORTH CAROLINA
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		UNIVERSITY OF SOUTH FLORIDA
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		UNIVERSITY OF SOUTH FLORIDA
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		UNIVERSITY OF UTAH
<i>DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH</i>	93.847		
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		ADVANCED BIOMEDICAL INFORMATICS GROUP, LLC
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		ARUNA BIOMEDICAL, INC.
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		CASE WESTERN RESERVE UNIVERSITY
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		CASE WESTERN RESERVE UNIVERSITY
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		EMMES CORPORATION
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		EMORY UNIVERSITY
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		EMORY UNIVERSITY
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		HARVARD UNIVERSITY
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		MASSACHUSETTS GENERAL HOSPITAL
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		MASSACHUSETTS INSTITUTE OF TECHNOLOGY
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		MEDICAL UNIVERSITY OF SOUTH CAROLINA
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		MEDICAL UNIVERSITY OF SOUTH CAROLINA
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		MEDICAL UNIVERSITY OF SOUTH CAROLINA
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		OPTOXENSE, INC.
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		OPTOXENSE, INC.
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		STANFORD UNIVERSITY
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		TRINITY UNIVERSITY
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		UNIVERSITY OF CALIFORNIA
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		UNIVERSITY OF CALIFORNIA
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		UNIVERSITY OF MICHIGAN
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		UNIVERSITY OF VIRGINIA
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		UNIVERSITY OF VIRGINIA
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		WASHINGTON UNIVERSITY
<i>EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS</i>	93.853		WRIGHT STATE UNIVERSITY

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
UGRFDK088244		\$106,411	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009962		\$6,134	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007686		\$72,325	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010658		\$38,405	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD # 5111860		\$193,711	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD #: 5104850		\$20,910	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO: 6163-1042 TEDDY UC4-4		\$614,442	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD: 6163-1007-00-E		\$269,687	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
10040500		\$9,724	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$3,121,220	\$12,371,641	\$13,946,726	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON012269		\$64,724	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AWD00007783		\$58,160	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO RES513170		\$211,308	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO. RES512991		\$7,712	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
POINT STUDY		\$1,950	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A041130		\$5,353	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO S980284		-\$8,009	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RNS086882A		-\$1,597	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0255-A441-4609		\$140,734	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1R15NS100632-01		\$79,697	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
232958		\$18,384	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#64620		\$279,304	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
MUSC19-031-8D835		\$21,177	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD #: MUSC		\$13,936	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD #: MUSC16-067-8A171		\$2,542	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T990147		\$47,346	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T990238		\$46,152	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB #61854954-125439		\$7,177	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON006977		\$22,498	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00008936		\$122,170	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
00008937		\$171,929	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB8445 (U54 ND065705)		\$10,523	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RNS079077A		\$5,100	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010330		\$38,375	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBCON GC12107-143858		\$51,800	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
WU-19-100		\$138,075	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGMT DTD 9/18/15		\$50,693	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

Federal Awarding Agency/Program Title	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		BAYLOR COLLEGE OF MEDICINE
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		BOSTON UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		BOSTON UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		BOSTON UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		BRIGHAM AND WOMEN'S HOSPITAL
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		CAMELLIX, LLC
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		DUKE UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		DUKE UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		DUKE UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EMORY UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		EPIVAX, INC.
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		GEORGE WASHINGTON UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		HEALTH RESEARCH, INC.
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		HENRY FORD HEALTH SYSTEM
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		MEDISYNERGICS, LLC
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		MICROBIOTIX, INC.
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		MICROBIOTIX, INC.
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		NEW YORK UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		NORTHEASTERN UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		PENNSYLVANIA STATE UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		REGENTS OF THE UNIVERSITY OF MICHIGAN
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		ROSS UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		STANFORD UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		TEXAS A&M UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		THE RESEARCH FOUNDATION FOR THE STATE UNIVERSITY OF NEW YORK
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		THE SCRIPPS RESEARCH INSTITUTE
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		THE SCRIPPS RESEARCH INSTITUTE
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		THOMAS JEFFERSON UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF ALABAMA AT BIRMINGHAM
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF ALABAMA AT BIRMINGHAM
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF ARIZONA
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF CHICAGO
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF LOUISIANA AT LAFAYETTE
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF LOUISVILLE
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF MARYLAND
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF MICHIGAN
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF MINNESOTA
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF NORTH CAROLINA
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF PENNSYLVANIA
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF PENNSYLVANIA
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF PENNSYLVANIA
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF RHODE ISLAND
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		UNIVERSITY OF TEXAS AT AUSTIN
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
	\$788,574	\$8,704,452	\$10,311,665	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R01A1130065		\$46,212	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#-4500002698		\$20,547	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4500001690		-\$40,137	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4500002639		\$21,776	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RAI123001A		\$1,437	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD #: 33371-1		\$86,876	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
139397		\$226	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PROTOCOL NO. 17-0002 PROPEL		\$8,000	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PROTOCOL NO. CD-ID-MEDI4893- 1139		\$4,000	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PROTOCOL NO. D5470C00004		\$25,782	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A007606		\$9,115	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A016182		\$86,865	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A085091		\$160,064	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A175705		\$163,180	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009540		\$38,797	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010706		\$11,194	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PEND THRU 6/1/19- T715255		\$145,989	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T253685		\$118,168	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T365272		\$89,775	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T939590		\$115,185	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T966688		\$138,818	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T970397		\$227,994	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PEND 8/1 * ROSS		\$796,540	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008860		\$7,122	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-40		\$33,122	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
313-01		\$35,597	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P01 AI089473-01A1		\$20,052	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P53441GEORGIA		\$50,057	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5653301		\$29,588	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009022		\$95,109	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009947		\$55,418	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
F880208		\$8,422	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
50049178050		\$152,890	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5288UGRFDHHSO793		\$118,363	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3003627287		\$146,434	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
12162016		\$35,548	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
61989439-131451		\$89,807	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
M1802379		\$4,516	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R1061806		\$48,005	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5-53830		\$106,237	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
700000308		\$181,249	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007819		\$321,420	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
000521324-002		\$26,467	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PROTOCOL #: MSG-13		\$2,000	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RBP 7/1 * 409281		\$115,058	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FP063328B		\$1,798	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
87100-01		\$95,273	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#330136		\$195,848	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ULRF-17-0481-01		\$128,032	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007536		\$42,506	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3004744318		\$195,015	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CONTRACT M73-GA-113-1611-7		\$17,800	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009497		\$265,693	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
571380		\$45,474	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010719		\$183,225	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011900		\$214,512	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010045		\$54,388	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UTA16000613		\$29,033	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
43198019105		-\$439	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522

Schedule of Expenditures of Federal Awards For the Fiscal Year Ended June 30, 2019

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		WASHINGTON STATE UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		WASHINGTON STATE UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		WASHINGTON STATE UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		WASHINGTON UNIVERSITY
<i>ALLERGY AND INFECTIOUS DISEASES RESEARCH</i>	93.855		YALE UNIVERSITY
ALLERGY AND INFECTIOUS DISEASES RESEARCH	93.855		
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		EAST CAROLINA UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		EMORY UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		EMORY UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		EMORY UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		EMORY UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		EMORY UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		EMORY UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		FRED HUTCHINSON CANCER RESEARCH CENTER
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		FRED HUTCHINSON CANCER RESEARCH CENTER
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		FRED HUTCHINSON CANCER RESEARCH CENTER
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		GEORGETOWN UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		HARVARD UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		NEW YORK UNIVERSITY
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		THE SCRIPPS RESEARCH INSTITUTE
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		UNIVERSITY OF ALASKA
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		UNIVERSITY OF MISSISSIPPI
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		UNIVERSITY OF TEXAS MD ANDERSON CANCER
<i>BIOMEDICAL RESEARCH AND RESEARCH TRAINING</i>	93.859		UNIVERSITY OF WISCONSIN - MADISON
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		DREXEL UNIVERSITY
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		EMORY UNIVERSITY
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		EMORY UNIVERSITY
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		EMORY UNIVERSITY
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		GEORGE WASHINGTON UNIVERSITY
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		MEDICAL UNIVERSITY OF SOUTH CAROLINA
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		NORTHWESTERN UNIVERSITY
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		RESEARCH FOUNDATION FOR MENTAL HYGIENE, INC.
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		TEXAS A&M UNIVERSITY
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		UNIVERSITY OF CONNECTICUT
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		UNIVERSITY OF FLORIDA
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		UNIVERSITY OF FLORIDA
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		UNIVERSITY OF PITTSBURGH
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		UNIVERSITY OF PITTSBURGH
<i>CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH</i>	93.865		YALE UNIVERSITY

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
CON008089		\$129,466	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008403		\$10,698	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON008509		\$296,170	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011131		\$30,352	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GR100385 CON80000804		\$37,990	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$5,321,564	\$22,448,035	\$28,379,753	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$134,966	\$27,573,980	N/A	\$0
CON008205		\$1,541	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A003475		\$55,975	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A019860		\$42,664	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T546559		-\$3,898	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T648908 T379665		\$22,732	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T674760		\$77,011	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T720873		-\$72,234	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0000909144		-\$1,213	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0000909148		\$45,648	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0000947463		\$120,785	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AWD7772899GR205576		\$133,393	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
133233-5068506		\$97,796	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1R01GM102336-01A1		-\$3,589	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1R15GM102826-01A1		\$2,191	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1R15GM104833-01		-\$1,700	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1R15GM11063-01S1		\$162,694	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1R15GM120691-01		\$109,979	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1R15GM129771-01		\$72,386	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5R01GM116889-02		\$24,103	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
5R25GM111565-02		\$160,505	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R15GM110678		\$90,017	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
R43GM128494		\$59,254	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC104888KS		-\$568	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
17-A1-00-007405-01		\$103,231	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
553332		\$446	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO516272		\$88,222	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1909020		\$37,376	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
3001093383		\$72,234	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#856K520		\$73,074	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$3,004,456	\$25,868,959	\$27,573,980	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7R01HD087411-03		\$22,640	\$9,824,127	N/A	\$0
CON005387		\$54,355	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A081027		\$30,146	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T696074		\$37,019	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T949806		\$61,985	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007696		\$131,055	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010470		\$10,242	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SP0042891PROJ0012059		\$12,898	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
4985004		\$118,862	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
06S160616		\$835	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011175		\$6,702	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00011586		\$35,484	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00012163		\$23,639	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
0048860 1268736		\$18,252	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009226		\$36,641	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GR101488 CON80001022		\$199,224	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		YALE UNIVERSITY
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		YALE UNIVERSITY
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		
AGING RESEARCH	93.866		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
AGING RESEARCH	93.866		APPLIED UNIVERSAL DYNAMICS CORPORATION
AGING RESEARCH	93.866		EMORY UNIVERSITY
AGING RESEARCH	93.866		EMORY UNIVERSITY
AGING RESEARCH	93.866		EMORY UNIVERSITY
AGING RESEARCH	93.866		EMORY UNIVERSITY
AGING RESEARCH	93.866		EMORY UNIVERSITY
AGING RESEARCH	93.866		MAYO CLINIC, ROCHESTER
AGING RESEARCH	93.866		OREGON HEALTH AND SCIENCE UNIVERSITY
AGING RESEARCH	93.866		SAN FRANCISCO STATE UNIVERSITY
AGING RESEARCH	93.866		STONY BROOK UNIVERSITY, STATE UNIVERSITY OF NEW YORK
AGING RESEARCH	93.866		TENNESSEE STATE UNIVERSITY
AGING RESEARCH	93.866		UNIVERSITY OF ARIZONA
AGING RESEARCH	93.866		UNIVERSITY OF ARIZONA
AGING RESEARCH	93.866		UNIVERSITY OF MIAMI MEDICAL SCHOOL
AGING RESEARCH	93.866		UNIVERSITY OF MICHIGAN
AGING RESEARCH	93.866		UNIVERSITY OF MINNESOTA
AGING RESEARCH	93.866		UNIVERSITY OF NORTH CAROLINA
AGING RESEARCH	93.866		WAKE FOREST UNIVERSITY
AGING RESEARCH	93.866		WEILL CORNELL MEDICINE
AGING RESEARCH	93.866		
VISION RESEARCH	93.867		EMORY UNIVERSITY
VISION RESEARCH	93.867		EMORY UNIVERSITY
VISION RESEARCH	93.867		EMORY UNIVERSITY
VISION RESEARCH	93.867		EMORY UNIVERSITY
VISION RESEARCH	93.867		EMORY UNIVERSITY
VISION RESEARCH	93.867		EMORY UNIVERSITY
VISION RESEARCH	93.867		MASSACHUSETTS INSTITUTE OF TECHNOLOGY
VISION RESEARCH	93.867		NEW YORK UNIVERSITY
VISION RESEARCH	93.867		NORTHWESTERN UNIVERSITY
VISION RESEARCH	93.867		SIGNABLOK, INC.
VISION RESEARCH	93.867		UNIVERSITY OF ARIZONA
VISION RESEARCH	93.867		UNIVERSITY OF COLORADO
VISION RESEARCH	93.867		
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870		MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870		
ASSISTANCE FOR ORAL DISEASE PREVENTION AND CONTROL	93.875		
ANTIMICROBIAL RESISTANCE SURVEILLANCE IN RETAIL FOOD SPECIMENS	93.876		
AUTISM COLLABORATION, ACCOUNTABILITY, RESEARCH, EDUCATION, AND SUPPORT	93.877		EMORY UNIVERSITY
MEDICAL LIBRARY ASSISTANCE	93.879		UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
MEDICAL LIBRARY ASSISTANCE	93.879		UNIVERSITY OF MARYLAND
MEDICAL LIBRARY ASSISTANCE	93.879		UNIVERSITY OF MARYLAND
MEDICAL LIBRARY ASSISTANCE	93.879		UNIVERSITY OF MARYLAND, BALTIMORE COUNTY
MEDICAL LIBRARY ASSISTANCE	93.879		
GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	93.884		
NATIONAL BIOTERRORISM HOSPITAL PREPAREDNESS PROGRAM	93.889		
CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS	93.898		
GRANTS TO STATES FOR OPERATION OF STATE OFFICES OF RURAL HEALTH	93.913		
HIV CARE FORMULA GRANTS	93.917		RICHMOND COUNTY HEALTH DEPARTMENT
HIV CARE FORMULA GRANTS	93.917		
GRANTS TO PROVIDE OUTPATIENT EARLY INTERVENTION SERVICES WITH RESPECT TO HIV DISEASE	93.918		
RYAN WHITE HIV/AIDS DENTAL REIMBURSEMENT AND COMMUNITY BASED DENTAL PARTNERSHIP GRANTS	93.924		
SCHOLARSHIPS FOR HEALTH PROFESSIONS STUDENTS FROM DISADVANTAGED BACKGROUNDS	93.925		
HEALTHY START INITIATIVE	93.926		
HIV PREVENTION ACTIVITIES HEALTH DEPARTMENT BASED	93.940		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
M14A12034 (A10949)		\$42,696	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD #: M14A12034 A10541		\$129,681	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,438,531	\$8,851,771	\$9,824,127	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1R15AG059210-01A1		\$22,339	\$9,316,829	N/A	\$0
AWD00009714		\$74,061	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A007350		\$39,177	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A054728		\$15,965	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON005226		\$63,466	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009607		\$132,279	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON010145		\$291,467	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
GEO-233617/PO#65936217		\$221,734	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1007456UGRF		\$280,993	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011347		\$40,544	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RAG049795A		-\$111	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON011196		\$12,760	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
420569		\$250,921	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
PO 486746		\$50,771	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SPC-000552 GR000165		-\$4,911	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBK00008360		\$73,531	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON004875		\$41,831	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#5111414		\$118,665	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
WFUHS553283		\$23,140	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ADV PROJECT- SUB W/WCM		\$82,735	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$1,391,570	\$7,485,472	\$9,316,829	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#A043837		\$31,936	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A051015		\$39,230	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON009883		\$53,962	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON012177		\$12,046	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON012379		\$10,946	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T806043		\$501	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
#5710003266		\$659	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
17-A0-00-006701-01		\$67,252	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SP0028943-PROJ0007598		\$107,582	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD NO. 33962-1		\$28,670	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD#: 441920		\$15,152	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
FY17.558.004_AMD5		\$99	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$345,762	\$5,885,842	\$6,253,877	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON005449		\$24,622	\$7,463,183	N/A	\$0
		\$7,438,561	\$7,463,183	N/A	\$0
		\$77,754	\$77,754	N/A	\$0
		\$115,712	\$115,712	N/A	\$0
T652508		\$29,518	\$29,518	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON007679		\$54,159	\$165,823	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD #: 1600679		\$7,829	\$165,823	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUBAWARD NO. 1600679		\$1,186	\$165,823	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SUB AWARD NO. 1600679		\$14,070	\$165,823	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$15,405	\$88,579	\$165,823	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$115,863	\$115,863	N/A	\$0
		\$8,247,503	\$8,247,503	N/A	\$0
		\$6,371,636	\$6,371,636	N/A	\$0
		\$182,459	\$182,459	N/A	\$0
RYAN WHITE PART B PROGRAM		\$260,984	\$80,912,446	N/A	\$0
		\$80,651,462	\$80,912,446	N/A	\$0
		\$3,694,404	\$3,694,404	N/A	\$0
		\$45,188	\$45,188	N/A	\$0
		\$1,423,760	\$1,423,760	STUDENT FINANCIAL ASSISTANCE	\$2,277,088,276
		\$534,481	\$534,481	N/A	\$0
		\$19,335,449	\$19,335,449	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity
HUMAN IMMUNODEFICIENCY VIRUS (HIV)/ACQUIRED IMMUNODEFICIENCY VIRUS SYNDROME (AIDS) SURVEILLANCE	93.944		
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945		
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		
BLOCK GRANTS FOR COMMUNITY MENTAL HEALTH SERVICES	93.958		
BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE	93.959		
<i>CDC'S COLLABORATION WITH ACADEMIA TO STRENGTHEN PUBLIC HEALTH</i>	93.967		EMORY UNIVERSITY
<i>CDC'S COLLABORATION WITH ACADEMIA TO STRENGTHEN PUBLIC HEALTH</i>	93.967		EMORY UNIVERSITY
SEXUALLY TRANSMITTED DISEASES (STD) PREVENTION AND CONTROL GRANTS	93.977		
<i>INTERNATIONAL RESEARCH AND RESEARCH TRAINING</i>	93.989		EMORY UNIVERSITY
<i>INTERNATIONAL RESEARCH AND RESEARCH TRAINING</i>	93.989		EMORY UNIVERSITY
INTERNATIONAL RESEARCH AND RESEARCH TRAINING	93.989		
NATIONAL HEALTH PROMOTION	93.990		
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT	93.991		
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		BOSTON CHILDREN'S HOSPITAL
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		DANA-FARBER CANCER INSTITUTE
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		EMORY UNIVERSITY
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		EMORY UNIVERSITY
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		EMORY UNIVERSITY
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		EMORY UNIVERSITY
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		IMS GOVERNMENT SOLUTIONS, INC.
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		IMS GOVERNMENT SOLUTIONS, INC.
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		NATIONWIDE CHILDREN'S HOSPITAL
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		NORTHROP GRUMMAN CORPORATION
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		NORTHWESTERN UNIVERSITY
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		PHOTOSOUND TECHNOLOGIES, INC.
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		PHOTOSOUND TECHNOLOGIES, INC.
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		THRUST INTERACTIVE, INC.
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		THRUST INTERACTIVE, INC.
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		UNIVERSITY OF ALABAMA AT BIRMINGHAM
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		UNIVERSITY OF LOUISVILLE
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		UNIVERSITY OF OREGON
<i>PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT</i>	93.991		W-Z BIOTECH, LLC
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT	93.991		
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		
<i>INNOVATION GATEWAY ST JUDE: NIAID CENTERS OF EXCEL</i>	93.RD	112187041-7839847	ST. JUDE CHILDREN'S RESEARCH HOSPITAL
ON FARM ENVIRONMENTAL SAMPLING FOR ORGANIC SMALL F	93.RD	1199959	
DISCOVER SOURCES, GENES AND DEVELOP U.S. ADAPTED G	93.RD	1920-152-0103-A9	
<i>SBIR PHASE 1: ADJUVANT DEVELOPMENT FOR THERMOSTABL</i>	93.RD	2722-S1	UNIVERSAL STABILIZATION TECHNOLOGIES, INC.
IPA AGREEMENT	93.RD	39G7566	
<i>THERMOSTABLE LIVE ATTENUATED INFLUENZA VACCINE FOR</i>	93.RD	95855S1	UNIVERSAL STABILIZATION TECHNOLOGIES, INC.
<i>PATIENT DERIVED MODELS TISSUE PROCUREMENT PROTOCOL FOR NCI</i>	93.RD	AGREEMENT #: 17X150	LEIDOS, INC.
<i>CTSU PHASE II SUP PMTS (N02-CM</i>	93.RD	CTSU WORK ORDER FOR N02-CM-62212	CHILDREN'S HOSPITAL OF PHILADELPHIA
<i>TNCC SITE #780</i>	93.RD	HHSN267200 800019C	UNIVERSITY OF SOUTH FLORIDA
PRE-CLINICAL MODELS OF INFECTIOUS DISEASES - ALTER	93.RD	HHSN272000 03	
<i>NIAID CEIRS - ANIMAL INFLUENZA SURVEILLANCE IN ARG</i>	93.RD	HHSN272201 400008C	ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI
<i>SOUTHEAST REGIONAL COLLABORATIVE ACCESS TEAM (SER-</i>	93.RD	P18001	LEIDOS, INC.
<i>STTR PHASE I: EVALUATING THE SOFTWARE NAVIGATION S</i>	93.RD	UGA20190401	3T TECHNOLOGIES, LLC
<i>GEAR UP PROGRAM</i>	93.U36	39G7445	GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
TOTAL DEPARTMENT OF HEALTH AND HUMAN SERVICES			
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE			

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$1,298,150	\$1,298,150	N/A	\$0
		\$40,412	\$40,412	N/A	\$0
		\$407,389	\$407,389	N/A	\$0
	\$10,034,146	\$23,647,008	\$23,647,008	N/A	\$0
	\$35,808,181	\$58,595,297	\$58,595,297	N/A	\$0
T674525		\$158,511	\$203,138	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T807472 5P01A1125180-02		\$44,627	\$203,138	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$3,733,532	\$3,733,532	N/A	\$0
CON010053		\$372	\$1,797,369	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T846281 / A019177		\$20,244	\$1,797,369	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$536,931	\$1,776,753	\$1,797,369	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$104,537	\$104,537	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		-\$668	\$4,230,743	N/A	\$0
GENFD0001493133		\$35,844	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
1242101		\$39,275	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
A031295		\$168,006	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T783523		\$90,418	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T846705		\$141,893	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
T935644		\$52,785	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2017-IMS-SC-GT001		\$49,887	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2017-IMS-SC-GT002		\$86,577	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
700090-0519-00		\$32,390	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
7500152764		\$91,456	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
60047538 GIT		\$56,280	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 04/20/18		\$39,630	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 10/01/2017		\$14,747	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
9R44GM130282-02		\$34,308	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 03/20/2017		\$10,944	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
000508606-016		\$42,104	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
ULRF 17-0029-01		\$203,483	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
215830A		\$256,131	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGR DTD 02/15/2017		\$94,576	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$348,245	\$2,690,677	\$4,230,743	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$26,254,056	\$26,254,056	N/A	\$0
112187041-7839847		\$146,236	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$75,653	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$0	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
2722-S1		\$37,841	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$33,947	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
9585551		\$228,917	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AGREEMENT #: 17X150		\$112,000	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CTSU PHASE II SUP PMTS (N02-CM		\$0	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HHSN267200800019C		\$28,305	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$451,701	\$1,215,001	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
HHSN272201400008C		\$140,006	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
P18001		\$291,902	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UGA20190401		\$24,052	\$2,333,860	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-44		\$17,391	\$17,391	N/A	\$0
	\$373,731,431	\$10,076,194,527			

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
STATE COMMISSIONS	94.003		
<i>AMERICORPS</i>	94.006		JUMPSTART FOR YOUNG CHILDREN, INC.
AMERICORPS	94.006		
<i>AMERICORPS</i>	94.006		CLARKE COUNTY SCHOOL DISTRICT
AMERICORPS	94.006		
TRAINING AND TECHNICAL ASSISTANCE	94.009		
<i>SENIOR COMPANION PROGRAM</i>	94.016		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
NATIONAL SERVICE AND CIVIC ENGAGEMENT RESEARCH COMPETITION	94.026		
TOTAL CORPORATION FOR NATIONAL AND COMMUNITY SERVICE			
EXECUTIVE OFFICE OF THE PRESIDENT			
<i>HIGH INTENSITY DRUG TRAFFICKING AREAS PROGRAM</i>	95.001		ATLANTA-CAROLINAS HIDTA PROGRAM
<i>HIGH INTENSITY DRUG TRAFFICKING AREAS PROGRAM</i>	95.001		CITY OF ATLANTA
HIGH INTENSITY DRUG TRAFFICKING AREAS PROGRAM	95.001		
TOTAL EXECUTIVE OFFICE OF THE PRESIDENT			
SOCIAL SECURITY ADMINISTRATION			
SOCIAL SECURITY DISABILITY INSURANCE	96.001		
SOCIAL SECURITY - WORK INCENTIVES PLANNING AND ASSISTANCE PROGRAM	96.008		
TOTAL SOCIAL SECURITY ADMINISTRATION			
DEPARTMENT OF HOMELAND SECURITY			
<i>STATE AND LOCAL HOMELAND SECURITY NATIONAL TRAINING PROGRAM</i>	97.005		BERRIEHILL RESEARCH CORPORATION
<i>STATE AND LOCAL HOMELAND SECURITY NATIONAL TRAINING PROGRAM</i>	97.005		SCIENTIFIC RESEARCH CORPORATION
<i>STATE AND LOCAL HOMELAND SECURITY NATIONAL TRAINING PROGRAM</i>	97.005		THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY, LLC
<i>STATE AND LOCAL HOMELAND SECURITY NATIONAL TRAINING PROGRAM</i>	97.005		UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
<i>STATE AND LOCAL HOMELAND SECURITY NATIONAL TRAINING PROGRAM</i>	97.005		ZETA ASSOCIATES, INC.
STATE AND LOCAL HOMELAND SECURITY NATIONAL TRAINING PROGRAM	97.005		
NON-PROFIT SECURITY PROGRAM	97.008		
BOATING SAFETY FINANCIAL ASSISTANCE	97.012		
COMMUNITY ASSISTANCE PROGRAM STATE SUPPORT SERVICES ELEMENT (CAP-SSSE)	97.023		
FLOOD MITIGATION ASSISTANCE	97.029		
CRISIS COUNSELING	97.032		
DISASTER UNEMPLOYMENT ASSISTANCE	97.034		
DISASTER GRANTS - PUBLIC ASSISTANCE (PRESIDENTIALLY DECLARED DISASTERS)	97.036		
HAZARD MITIGATION GRANT	97.039		
NATIONAL DAM SAFETY PROGRAM	97.041		
EMERGENCY MANAGEMENT PERFORMANCE GRANTS	97.042		
STATE FIRE TRAINING SYSTEMS GRANTS	97.043		
COOPERATING TECHNICAL PARTNERS	97.045		
FIRE MANAGEMENT ASSISTANCE GRANT	97.046		
PRE-DISASTER MITIGATION	97.047		
PORT SECURITY GRANT PROGRAM	97.056		
<i>CENTERS FOR HOMELAND SECURITY</i>	97.061		ARIZONA STATE UNIVERSITY
<i>CENTERS FOR HOMELAND SECURITY</i>	97.061		ARIZONA STATE UNIVERSITY
<i>CENTERS FOR HOMELAND SECURITY</i>	97.061		ARIZONA STATE UNIVERSITY
<i>CENTERS FOR HOMELAND SECURITY</i>	97.061		ARIZONA STATE UNIVERSITY
<i>HOMELAND SECURITY GRANT PROGRAM</i>	97.067		GEORGIA SOUTHERN UNIVERSITY RESEARCH AND SERVICE FOUNDATION, INC.
<i>HOMELAND SECURITY GRANT PROGRAM</i>	97.067		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
<i>HOMELAND SECURITY GRANT PROGRAM</i>	97.067		KENNESAW STATE UNIVERSITY RESEARCH AND SERVICE FOUNDATION
HOMELAND SECURITY GRANT PROGRAM	97.067		
HOMELAND SECURITY RESEARCH, DEVELOPMENT, TESTING, EVALUATION, AND DEMONSTRATION OF TECHNOLOGIES RELATED TO NUCLEAR THREAT DETECTION	97.077		
EARTHQUAKE CONSORTIUM	97.082		

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$280,413	\$280,413	N/A	\$0
CON010186		\$3,780	\$2,851,372	N/A	\$0
	\$2,468,894	\$2,791,712	\$2,851,372	N/A	\$0
5425401		\$45,687	\$2,851,372	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$10,193	\$2,851,372	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$5,574	\$101,078	\$101,078	N/A	\$0
				FOSTER GRANDPARENT/SENIOR COMPANION CLUSTER	\$171,775
63828383-41		\$171,775	\$171,775	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$30,849	\$117,140	\$117,140	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$2,505,317	\$3,521,778			
FS 30408		\$89,342	\$218,016	N/A	\$0
G15GA003A		\$103,289	\$218,016	N/A	\$0
		\$25,385	\$218,016	N/A	\$0
		\$218,016			
		\$70,372,535	\$70,372,535	DISABILITY INSURANCE/SSI CLUSTER	\$70,372,535
		\$300,180	\$300,180	N/A	\$0
		\$70,672,715			
AQUA_S2212_GTARC		\$70	\$776,850	RESEARCH AND DEVELOPMENT	\$1,033,282,522
SR20180956		\$128,958	\$776,850	RESEARCH AND DEVELOPMENT	\$1,033,282,522
141999		\$5,760	\$776,850	RESEARCH AND DEVELOPMENT	\$1,033,282,522
077083-16371		\$121,324	\$776,850	RESEARCH AND DEVELOPMENT	\$1,033,282,522
173118LS-GTARC-01		\$256,668	\$776,850	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$241,155	\$264,070	\$776,850	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$595,313	\$595,313	\$595,313	N/A	\$0
		\$4,313,198	\$4,313,198	N/A	\$0
		\$374,070	\$374,070	N/A	\$0
	\$1,440,723	\$1,461,158	\$1,461,158	N/A	\$0
		\$223,070	\$223,070	N/A	\$0
		\$14,195	\$14,195	N/A	\$0
	\$70,854,773	\$88,773,164	\$88,773,164	N/A	\$0
	\$3,027,232	\$3,993,481	\$3,993,481	N/A	\$0
		\$121,996	\$121,996	N/A	\$0
	\$2,857,231	\$8,823,945	\$8,823,945	N/A	\$0
		\$27,671	\$27,671	N/A	\$0
		\$2,795,051	\$2,795,051	N/A	\$0
	\$32,817	\$6,926,884	\$6,926,884	N/A	\$0
	\$351,911	\$542,160	\$542,160	N/A	\$0
		\$1,547,742	\$1,547,742	N/A	\$0
18-310		\$119,014	\$780,428	N/A	\$0
18-341	\$94,852	\$282,524	\$780,428	N/A	\$0
ASUB00000018		\$9,000	\$780,428	N/A	\$0
18-340		\$369,890	\$780,428	RESEARCH AND DEVELOPMENT	\$1,033,282,522
63828383-42		\$1,352	\$9,867,720	N/A	\$0
EMW-2017-SS-0015-S01		\$5,841	\$9,867,720	N/A	\$0
EMW-2018-SS-00067-S01		\$2,118	\$9,867,720	N/A	\$0
	\$6,042,474	\$9,858,409	\$9,867,720	N/A	\$0
	\$77,268	\$349,226	\$349,226	RESEARCH AND DEVELOPMENT	\$1,033,282,522
		\$11,722	\$11,722	N/A	\$0

**Schedule of Expenditures of Federal Awards
For the Fiscal Year Ended June 30, 2019**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal CFDA Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>
DISASTER ASSISTANCE PROJECTS	97.088		
ICE OVERTIME AGREEMENTS	97.U37	15200	
DHS SLOT OR ICE OT	97.U38	FS 13401	
TOTAL DEPARTMENT OF HOMELAND SECURITY			
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT			
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		<i>FHI 360</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		<i>MICHIGAN STATE UNIVERSITY</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		<i>MICHIGAN STATE UNIVERSITY</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		<i>TUFTS UNIVERSITY</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		<i>TUFTS UNIVERSITY</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		<i>TUFTS UNIVERSITY</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		<i>UNIVERSITY OF FLORIDA</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		<i>UNIVERSITY OF FLORIDA</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		<i>WORLD VISION</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	<i>98.001</i>		
<i>USAID DEVELOPMENT PARTNERSHIPS FOR UNIVERSITY COOPERATION AND DEVELOPMENT</i>	<i>98.012</i>		<i>MICHIGAN STATE UNIVERSITY</i>
TOTAL U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT			
MISCELLANEOUS			
VA ADMIN & REPORTING FEES	99.U39	11000111	
TOTAL MISCELLANEOUS			
TOTAL EXPENDITURE OF FEDERAL AWARDS			

Indented and italicized award lines indicate pass-through funding.
The accompanying notes are an integral part of this schedule.

State of Georgia

Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
		\$32,970	\$32,970	N/A	\$0
		\$8,136	\$8,136	N/A	\$0
		\$17,736	\$17,736	N/A	\$0
	<u>\$85,615,749</u>	<u>\$132,377,886</u>			
#PO16003387	\$52,552	\$824,153	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC102095		\$37,396	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC102095GHANA		\$15,150	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
AIDOAAL1000006		\$292,969	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
IN RBP-AID18		\$8,640	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
TUFTS WANG-AID 916		\$118,229	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00011518		\$31,976	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
UFDSP00012175		\$23,625	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
CON002806		\$4,840	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	\$493,719	\$2,454,946	\$3,811,924	RESEARCH AND DEVELOPMENT	\$1,033,282,522
RC104292		\$62,701	\$62,701	RESEARCH AND DEVELOPMENT	\$1,033,282,522
	<u>\$546,271</u>	<u>\$3,874,625</u>			
		\$673	\$673	N/A	\$0
		<u>\$673</u>			
	<u>\$3,058,929,395</u>	<u>\$21,142,702,723</u>			

NOTE 1. SIGNIFICANT ACCOUNTING POLICIES

The accompanying Schedule of Expenditures of Federal Awards (Schedule) is a supplementary schedule to the State's basic financial statements presented in the State of Georgia *Comprehensive Annual Financial Report (CAFR)* for the fiscal year ended June 30, 2019.

A. Basis of Presentation

The information in the Schedule is presented in accordance with Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance). Because the Schedule presents only a selected portion of the operations of the State, it is not intended to and does not present the financial position, changes in net position, or cash flows of the State.

1. **Federal Financial Assistance** – The Uniform Guidance defines federal financial assistance as assistance that non-federal entities receive or administer in the form of grants, loans, loan guarantees, non-cash contributions or donations of property (including donated surplus property), cooperative agreements, interest subsidies, insurance, food commodities, direct appropriations, and other financial assistance.
2. **Catalog of Federal Domestic Assistance (CFDA) Number** – The Schedule presents total expenditures for each federal financial assistance program and the CFDA number assigned to the program. For programs that have not been assigned a CFDA number, the number shown in the Schedule is the federal agency's 2-digit prefix followed by "U" and a two digit number or by "RD" if the program is part of the Research and Development (R&D) cluster.
3. **Cluster of Programs** – A grouping of closely related programs with different CFDA numbers that share common compliance requirements is considered a cluster of programs. The Schedule presents the total federal awards expended for the R&D cluster, Student Financial Assistance cluster, and other clusters that are mandated by OMB in the most recent Compliance Supplement.
4. **Direct and Pass-through Federal Financial Assistance** – The State receives federal financial assistance directly from federal awarding agencies or indirectly from pass-through entities. A pass-through entity (PTE) is a non-federal entity that provides a subaward to a subrecipient to carry out part of a federal program. For federal assistance that the State received as a subrecipient, the name of the PTE and the identifying number assigned by the PTE are identified in the Schedule.
5. **Amount Provided to Subrecipients** – The amount of federal assistance that the State provided to subrecipients under each federal program is presented in a separate column in the Schedule. A subrecipient is an entity that receives a subaward from a PTE to carry out part of a federal program.
6. **Transactions Between State Organizations** – When federal financial assistance is received by one State organization and passed through to another State organization, the federal financial assistance is reflected as expenditures in the Schedule by only the primary recipient (i.e., the State organization that received the federal assistance directly from the federal government). This method avoids the overstatement of federal financial assistance at the aggregate level.

NOTE 1. SIGNIFICANT ACCOUNTING POLICIES (continued)

B. Reporting Entity

The Schedule includes all federal financial assistance programs administered by the State for the fiscal year ended June 30, 2019. Refer to Appendix "A" for a comprehensive listing of organizations that comprise the State of Georgia Reporting Entity.

C. Basis of Accounting

The State's CAFR and this supplemental schedule are presented in accordance with generally accepted accounting principles, following the accrual or modified accrual basis of accounting, as appropriate for the fund structure. The basis of accounting used for each fund is described in Note 1 to the State's financial statements. Negative amounts shown in the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years.

NOTE 2. INDIRECT COST RATE

In addition to other procedures detailed in the Uniform Guidance, State organizations may elect to charge a de minimis cost rate of 10% of modified total direct costs which may be used indefinitely. There are seven State organizations within the State of Georgia Reporting Entity, as identified in Appendix "A," that have elected to use the 10% de minimis cost rate.

NOTE 3. LOAN PROGRAMS

The State participates in various federal loan programs. The Schedule includes the value of new loans made or received during the fiscal year, the balance of loans from previous years for which the federal government imposes continuing compliance requirements, and any administrative cost allowances. For loans made to students of an Institution of Higher Education (IHE), where the IHE does not make the loans, the amounts in the Schedule only include the value of loans made during the fiscal year and are not included in the following table.

Outstanding balance of federal loans and loan guarantees:

<u>CFDA No.</u>	<u>Program Name</u>	<u>Ending Balance at June 30, 2019</u>
10.766	Community Facilities Loans and Grants Cluster	\$ 40,500,000
20.223	Transportation Infrastructure Finance and Innovation Act (TIFIA) Program	248,165,625
84.038	Federal Perkins Loan Program - Federal Capital Contributions	24,375,564
93.264	Nurse Faculty Loan Program (NFLP)	1,999,778
93.342	Health Professions Student Loans, Including Primary Care Loans/Loans for Disadvantaged Students	66,180
93.364	Nursing Student Loans	604,069
Total Outstanding Balance		\$ 315,711,216

NOTE 4. NON-CASH ASSISTANCE

Although most federal financial assistance is in the form of cash assistance, the State participates in several programs that provide non-cash assistance through the State to eligible participants. The total value of federal financial non-cash assistance that the State reported for the fiscal year ended June 30, 2019 is presented in the table below.

Non-Cash Assistance:

CFDA No.	Program Name	Non-Cash Value
10.178	Trade Mitigation Program Eligible Recipient Agency Operational Funds ¹	\$ 18,430,669
10.551	Supplemental Nutrition Assistance Program ¹	2,175,440,585
10.555	National School Lunch Program ¹	48,338,368
10.565	Commodity Supplemental Food Program ¹	1,159,672
10.569	Emergency Food Assistance Program (Food Commodities) ¹	22,490,285
39.003	Donation of Federal Surplus Personal Property	7,388,169
93.268	Immunization Cooperative Agreements ¹	143,575,615
Total Non-Cash Assistance		\$ 2,416,823,363

¹ The amount reported in the Schedule for this program includes both cash and non-cash assistance expenditures.

NOTE 5. UNEMPLOYMENT INSURANCE (UI) (CFDA No. 17.225)

The UI program serves workers who are unemployed through no fault of their own and are seeking reemployment. To receive benefits, claimants must be able to work, available for work, and actively seeking work. State unemployment insurance funds (State UI funds) must be deposited to the Unemployment Trust Fund (UTF) in the U.S. Treasury, primarily to be used to pay UI program benefits under the federally approved State unemployment law. Accordingly, expenditures of both State and federal unemployment insurance funds are included in the total expenditures for the UI program as reported in the Schedule, and for the fiscal year ended June 30, 2019 are \$297,170,288 and \$47,848,181, respectively.

Summary Schedule of Prior Audit Findings





Brian P. Kemp
Governor

Thomas Alan Skelton, CPA
State Accounting Officer

February 17, 2020

Mr. Greg S. Griffin, State Auditor
Georgia Department of Audits and Accounts
270 Washington Street, S.W., Room 1-156
Atlanta, Georgia 30334-8400

Dear Mr. Griffin,

Enclosed with this letter is the State of Georgia's "Summary Schedule of Prior Audit Findings" (Schedule) for reporting in the Single Audit for fiscal year ending June 30, 2019. This Schedule is compiled by the State Accounting Office (SAO) based on answers provided by the respective State Organization. The State's Schedule reports the current status of all audit findings reported in the 2018 fiscal year Single Audit's "Schedule of Findings and Questioned Costs" and "Summary Schedule of Prior Audit Findings" that were not corrected. The findings are organized by finding type (financial statement and federal award), Federal Agency (if applicable), State Organization, and finding number (the finding number corresponds to the reference number that was reported in the prior fiscal year).

The State's Schedule satisfies the requirements as detailed in Title 2 U.S. *Code of Federal Regulations, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance), Subpart F, Section 511 – Audit findings follow-up.

If you have any questions regarding this Schedule, please contact our Office.

Sincerely,

A handwritten signature in black ink, appearing to read "Alan Skelton", written in a cursive style.

Thomas Alan Skelton, CPA
State Accounting Officer

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¹ The entity number represents the control number that was assigned to each State entity.

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¹ The entity number represents the control number that was assigned to each State entity.

**PRIOR FINANCIAL STATEMENT FINDINGS REPORTED UNDER
GOVERNMENT AUDITING STANDARDS**

2018-001 Continue to Improve Financial Statement Preparation

State Entity: Statewide Finding
Repeat of Prior Year Finding: 2017-001, 2016-001, 2015-041, 2014-054

Finding Status: Partially Resolved

State Accounting Office (SAO) continues to provide education and communication to all State Organizations, through the release of Accounting Policies, meeting and training events, working groups for more complex new standards, and detailed instructions on each year-end annual form. In particular during FY2019, SAO again offered two open house sessions where organizations could come ask questions about their year-end forms. SAO continues to provide routine training to all internal staff relating to various financial accounting and reporting topics. Additionally, SAO will work with high risk data to ensure the integrity of information submitted by the organizations. We will continue to leverage automation where possible, and will also add in additional analytical procedures where applicable. We will continue to leverage automation where possible, and will also add in additional analytical review procedures where applicable.

2017-001 Continue to Improve Financial Statement Preparation

State Entity: Statewide Finding
Repeat of Prior Year Finding: 2016-001, 2015-041, 2014-054

Finding Status: Partially Resolved

See response to finding number 2018-001.

2016-001 Improve Financial Reporting and Communication with Agencies

State Entity: Statewide Finding
Repeat of Prior Year Finding: 2015-041, 2014-054

Finding Status: Partially Resolved

See response to finding number 2018-001.

2015-041 Financial Statement Preparation

State Entity: Statewide Finding
Repeat of Prior Year Finding: 2014-054

Finding Status: Partially Resolved

See response to finding number 2018-001.

2014-054 Controls over Financial Statement Preparation

State Entity: Statewide Finding

Finding Status: Partially Resolved

See response to finding number 2018-001.

2018-002 Improve the Accounting and Reporting of Refunded General Obligation Bonds' Outstanding Premiums

State Entity: Statewide Finding

Finding Status: Previously Reported Corrective Action Implemented

2017-002 Strengthen Federal Award Expenditure Reporting Controls

State Entity: Statewide Finding

Repeat of Prior Year Finding: 2016-002

Finding Status: Previously Reported Corrective Action Implemented

2016-002 Strengthen Federal Award Expenditure Reporting Controls

State Entity: Statewide Finding

Finding Status: Previously Reported Corrective Action Implemented

2018-003 Improve Financial Reporting Controls

State Entity: Department of Public Health

Finding Status: Unresolved

This finding is unresolved mainly due to high turnover of both management and staff in the finance section. New management is beginning to implement revised procedures, more frequent data reviews, and better communication to improve accounting operations and internal controls.

In addition, enhanced training and job tools will be provided to staff to ensure accuracy and result in timelier and more streamlined processing and reporting. These improvements should largely be in place by fiscal year-end financial close.

2017-003 Strengthen Bank Reconciliation Procedures

State Entity: Department of Public Health

Finding Status: Partially Resolved

The finding is only partially corrected. The planned corrective action that was implemented only partially corrected the deficiency. The Department has obtained additional resources to assist with resolving the prior year reconciling items. We have entered and prepared correcting entries to resolve reconciling items from fiscal year 2016. Correcting entries to resolve reconciling items from fiscal year 2017 will correct the deficiency.

2017-004 Develop and Implement Budgetary Controls

State Entity: Department of Insurance

Finding Status: Previously Reported Corrective Action Implemented

2018-004 Improve Internal Controls over Claims Processing

State Entity: Department of Community Health

Finding Status: Partially Resolved

SHBP has completed the first of a three-year claim audit of the current Third-party Administrators (TPA). SHBP has historically conducted audits to review TPAs' payment of claims. SHBP previously contracted with a third party vendor to conduct pre-implementation audits of the current TPAs to ensure their systems were programmed to pay medical claims correctly. SHBP currently has controls in place that examines the accuracy of claim payments. The Plan conducts an annual internal Readiness Review, whereby the TPAs must provide documentation of claims testing scenarios that demonstrate claims are processing correctly. During the Readiness Review, claims data is provided by the TPAs with the supporting documentation. SHBP and Aon executed a contract to conduct a three-year claims audit of the current TPAs. A third party vendor will use a stratified, random sampling methodology based on an error-rate driven formula to examine claims paid during Plan Years 2017, 2018, and 2019. Each year, we perform user acceptance testing prior to Open Enrollment on selected areas to ensure the system is processing transactions accurately. Additionally, the TPA has in place Dependent Verification to ensure the dependents added to the plan are eligible.

This finding is partially resolved as the three-year claims audit review is ongoing and SHBP will continue to review the eligibility process and determine any necessary changes appropriate to ensure our process mitigates the risk of mis-payments.

2018-005 Strengthen Financial Reporting Controls

State Entity: Department of Community Health

Finding Status: Partially Resolved

The corrective actions for this finding that were previously reported were implemented as designed. DCH conducted an annual engagement meeting with its contracted actuary to prepare a timeline of key dates for data sharing, to discuss methodologies and assumptions and reporting requirements to ensure schedules and calculations were accurate and complete. DCH documented accounting policies and procedures for year-end accrual journal entries and provided training to DCH staff. DCH ensured Financial Reporting staff received additional hours of training in GASB, GAAP and governmental financial reporting. DCH hired additional staff in the area of Financial Reporting with higher technical accounting skills to help oversee the preparation of financial statements.

This finding is partially resolved, although DCH implemented several controls to improve financial reporting, additional analyses will need to be implemented in the year-end process to aid in the prevention or timely detection and correction of errors. DCH will also continue training on the new state-wide reporting system to ensure transactions are posted according to State requirements and will continue to provide training on GASB, GAAP and governmental financial reporting for the Financial Reporting staff.

2018-006 Continue to Strengthen Application Risk Management Program

State Entity: Department of Community Health

Finding Status: Partially Resolved

DCH OIT is continuing to make progress toward the completion of identified organizational goals, objectives and tasks required to fully remediate this finding by March 31, 2020. Updates include the following:

- *Facilitated the successful completion of three Independent Security and Privacy Assessment Engagement Projects to strengthen the organizations controls over its Application Risk Management Program. Those are:*
 - *Independent NIST 800-53 Federal Computer Security Standards Based Assessment of the State's Technology Hosting Platform and Data Center along with State Service Organization Controls.*
 - *Independent NIST 800-53 Federal Computer Security Standards Based Assessment of the organizations Third-Party Hosted Medicaid Management Information System.*
 - *Independent HHS/OCR Audit Protocol Criteria Assessment of the organization's compliance status pertaining to privacy, security, and breach notification laws, regulations, and standards.*

2018-006 Continue to Strengthen Application Risk Management Program (continued)

- Working with State Auditors to provide artifacts and supporting documentation that demonstrates the organization's commitment to tighten application risk management controls by addressing organizational oversight procedures known as Complimentary User Entity Controls (CUEC's) necessary to continuously monitor service delivery management and service organization transaction processing systems and services.
- Requiring healthcare service providers to provide System Security Plans and periodic security metrics reports that demonstrate the service organizations compliance status with Federal computer security standards.
- Reviewing and approving service organization contingency plans and disaster recovery exercise reports to ensure that Medicaid transaction processing systems meet the organizations data confidentiality, integrity, and availability standards and requirements.
- Continuing to work with organizational leadership to address budgetary and security resource requirements to grow the security program staff to an appropriate level.
- Working closely with CMS and Social Security Administration Federal business partners to certify planned Medicaid Transaction Processing Systems and Services to ensure that they meet applicable Federal and State Security and Privacy Laws, Regulations, and Standards.

2018-007 Continue to Strengthen Logical Access Controls

State Entity: Department of Human Services
Repeat of Prior Year Finding: 2017-007, 2016-004

Finding Status: Previously Reported Corrective Action Implemented

2017-007 Continue to Strengthen Change Management and Logical Access Controls

State Entity: Department of Human Services
Repeat of Prior Year Finding: 2016-004

Finding Status: Previously Reported Corrective Action Implemented

2016-004 Strengthen Change Management and Logical Access Controls

State Entity: Department of Human Services

Finding Status: Previously Reported Corrective Action Implemented

2018-008 Continue to Strengthen Logical Access Controls

State Entity: Department of Human Services
Repeat of Prior Year Finding: 2017-008

Finding Status: Previously Reported Corrective Action Implemented

2017-008 Strengthen Logical Access Controls

State Entity: Department of Human Services

Finding Status: Previously Reported Corrective Action Implemented

2018-009 Implement Controls over SNAP Benefits Reporting

State Entity: Department of Human Services

Finding Status: Unresolved

As previously reported, the monthly reconciliation of the SNAP Benefits paid per the federal reports and the summary report produced by the DHS Electronic Benefits Transfer (EBT) function was instituted in January of 2019. The final review of the non-monetary amount to be reported in the SFY 2019 SEFA missed a \$1,000.00 discrepancy which occurred in the month prior to the control being implemented, December 2018. Consequently, an additional year-end verification control will be added to the monthly reconciliation process to ensure the amount reported in the SEFA is accurate. The DHS Grants Management team will recreate the monthly report SNAP Benefit paid balance tracking summary provided by the DHS Electronic Benefits Transfer (EBT) function to ensure there are no incorrect calculations included in the full year amount reported.

2018-010 Improve Capital Asset Management and Reporting

State Entity: Department of Juvenile Justice

Finding Status: Previously Reported Corrective Action Implemented

2018-011 Processing of Tax Refund Requests and Estimating a Tax Refund Obligation for Refunds Pending Approval at Year-End

State Entity: Department of Revenue

Finding Status: Previously Reported Corrective Action Implemented

2017-016 Controls over Financial Reporting

State Entity: Atlanta Metropolitan State College

Repeat of Prior Year Finding: 2016-019

Finding Status: Previously Reported Corrective Action Implemented

2016-019 Deficiencies in Controls over Financial Reporting

State Entity: Atlanta Metropolitan State College

Finding Status: Previously Reported Corrective Action Implemented

2018-012 Continue to Strengthen Logical Access Controls

State Entity: Georgia World Congress Center Authority

Repeat of Prior Year Finding: 2017-018 (*partial repeat*), 2016-024 (*partial repeat*)

Finding Status: Partially Resolved

Due to the timing of the FY18 audit report, GWCCA was unable to implement the required procedures for the full fiscal year ending 6/30/19.

In FY20, GWCCA management and staff will implement the following procedures:

- *In January of each year, a report will be generated of all Paycom non-client side, base level user's access. This report will be sent directly to the Directors/Managers of each department to verify the following:*

- *Confirm users are currently in their department*
- *Confirm user's level of access is valid and accurate*

Estimated Completion Date: January 31, 2020.

- *An end of month User Change Report will be reviewed by the HR Director & HRIS Analyst. Applicable Directors will receive a User Change Report if users from their department are listed on the report and there's a need for further clarification of a change.*
- *An annual review of all system privileges and security rights will be conducted for all Supervisor level and above (Managers, Directors, Executives) client-side users. Estimated Completion Date: April 30, 2020.*
- *A quarterly review of the Super User activity report will be conducted by the Director of Internal Audit.*
- *Permission Profiles will be created for each department, detailing all supervisors, managers and admin roles and their rights within the department. An annual review of the Permission Profiles will be conducted by the Human Resources Department and the Director of each department to ensure all users are accurate and maintain the appropriate level of access.*

2017-018 Continue to Strengthen Logical Access Controls

State Entity: Georgia World Congress Center Authority

Repeat of Prior Year Finding: 2016-024

Finding Status: Partially Resolved

See response to finding number 2018-012.

2016-024 Strengthen Logical Access Controls

State Entity: Georgia World Congress Center Authority

Finding Status: Partially Resolved

See response to finding number 2018-012.

2018-013 Internal Controls over Financial Reporting

State Entity: Georgia World Congress Center Authority

Finding Status: Previously Reported Corrective Action Implemented

2018-014 Improve Controls over Financial Reporting

State Entity: State Road and Tollway Authority

Repeat of Prior Year Finding: 2017-019, 2016-025

Finding Status: Partially Resolved

SRTA transitioned to the State's Enterprise Financial System (TeamWorks) on July 1, 2019. The transition to TeamWorks proved to be more challenging than anticipated, due to the learning curve. This resulted in time constraints that prevented us from formally implementing monthly and quarterly financial balance reviews. As we move further into FY 2020, SRTA will continue to focus our efforts on improving monthly and quarterly review processes and controls. SRTA did not fully implement a new financial reporting system as planned; however, we did start the project and expect to complete it for the FY 2020 reporting period.

2017-019 Improve Controls over Financial Reporting

State Entity: State Road and Tollway Authority

Repeat of Prior Year Finding: 2016-025

Finding Status: Partially Resolved

See response to finding number 2018-014.

2016-025 Improve Controls over Financial Reporting

State Entity: State Road and Tollway Authority

Finding Status: Partially Resolved

See response to finding number 2018-014.

2018-015 Strengthen Logical Access Controls

State Entity: State Road and Tollway Authority

Repeat of Prior Year Finding: 2017-021, 2016-026, 2015-055

Finding Status: Previously Reported Corrective Action Implemented

2017-021 Strengthen Logical Access Controls

State Entity: State Road and Tollway Authority

Repeat of Prior Year Finding: 2016-026, 2015-055

Finding Status: Previously Reported Corrective Action Implemented

2016-026 Strengthen Logical Access Control

State Entity: State Road and Tollway Authority

Repeat of Prior Year Finding: 2015-055

Finding Status: Previously Reported Corrective Action Implemented

2015-055 Inadequate Financial Accounting System

State Entity: State Road and Tollway Authority

Finding Status: Previously Reported Corrective Action Implemented

PRIOR FEDERAL AWARD FINDINGS AND QUESTIONED COSTS

2018-016 Federal Work Study Earmarking Requirements

Federal Agency: U.S. Department of Education

State Entity: Georgia State University

Finding Status: Previously Reported Corrective Action Implemented

2018-017 Improve Controls over Cash Management

Federal Agency: U.S. Department of Education

State Entity: Augusta University

Finding Status: Previously Reported Corrective Action Implemented

2017-023 Excessive Cash Balances

Federal Agency: U.S. Department of Education

State Entity: Albany State University

Finding Status: Previously Reported Corrective Action Implemented

2016-034 Return of Title IV Funds

Federal Agency: U.S. Department of Education

State Entity: Savannah State University

Repeat of Prior Year Finding: 2015-016, 2014-033

Finding Status: Partially Resolved

The Institution has corrected issues associated with identifying potential unofficial withdrawals and performing Return of Title IV calculations for these students. In an effort to correct issues associated with the accuracy of Return of Title IV calculations performed and timeliness of those returns, SSU has made personnel changes and is working to identify the underlying causes of this deficiency. SSU plans to enhance processes and procedures to ensure that student financial aid refunds are properly calculated and that unearned funds are correctly returned to the appropriate accounts. SSU plans to have the enhancements fully implemented by June 30, 2020.

2015-016 Return of Title IV Funds

Federal Agency: U.S. Department of Education

State Entity: Savannah State University

Repeat of Prior Year Finding: 2014-033

Finding Status: Partially Resolved

See response to finding number 2016-034.

2014-033 Return of Title IV Funds

Federal Agency: U.S. Department of Education
State Entity: Savannah State University

Finding Status: Partially Resolved

See response to finding number 2016-034.

2018-018 Improve Controls over Cash Management

Federal Agency: U.S. Department of Education
State Entity: University of West Georgia

Finding Status: Previously Reported Corrective Action Implemented

2017-024 Excessive Cash Balances

Federal Agency: U.S. Department of Education
State Entity: Atlanta Metropolitan State College

Finding Status: Previously Reported Corrective Action Implemented

2017-026 Reports Not Reconciled

Federal Agency: U.S. Department of Education
State Entity: Atlanta Metropolitan State College

Finding Status: Unresolved

This issue was resolved for award year 2018-2019 when the FISAP was submitted on 09/30/2019 in fiscal year 2020. The College's Fiscal Affairs Office and Financial Aid Office will both sign off on the reconciliations/numbers of the FISAP each year before submittal. This process also requires the two departments to agree on the amounts being reported for each program.

2017-027 Return of Title IV Funds

Federal Agency: U.S. Department of Education
State Entity: Atlanta Metropolitan State College

Finding Status: Unresolved

The Financial Aid Office has completed a system review and has corrected the Return of Title IV refund percentages to match back to the number of days for the semester, which is required by Title IV regulations. This is a review that will occur each semester before the semester begins. This corrective action was partially implemented in Spring 2019 but will be fully implemented in Fall 2019.

In addition, the College has implemented some new reports that provide withdrawal information more quickly to the Financial Aid Office, allowing the withdrawals to be processed sooner. The College is also partnering with Dalton State College's Registrar and Financial Aid Director to ensure that the proper expertise is in the Office to maintain compliance with all Title IV regulations. This corrective action was partially implemented in Spring 2019 but will be fully implemented in Fall 2019.

The College plans to have all new processes and procedures implemented by December 31, 2019.

2017-028 Federal Direct Loan Program Reconciliations

Federal Agency: U.S. Department of Education
State Entity: Atlanta Metropolitan State College

Finding Status: Partially Resolved

This issue is currently being addressed. The Interim Director of Financial aid just recently took over the department and is in the process of implementing the monthly reconciliation process. She plans to implement the same process that Dalton State College uses to perform it's monthly reconciliation of the Direct Lending program. This will not be an issue going forward and the college will be in 100% compliance for award year 2019-2020.

The College plans to have a full year of monthly reconciliations completed by June 30, 2020.

2018-019 Strengthen Controls over the Awarding Process

Federal Agency: U.S. Department of Education
State Entity: Atlanta Technical College

Finding Status: Partially Resolved

With assistance from the TCSG System Office, the Technical College has made several revisions to the awarding and disbursement rules within the student information system. This should result in the awarding of the appropriate amount of Subsidized and Unsubsidized loans. In addition, the Technical College has made several revisions to the student information system processing of Satisfactory Academic Progress (SAP) that should result in correct SAP calculations.

The Institution plans to have all new processes and procedures implemented by January 7, 2020.

2018-020 Strengthen Controls over Matching Requirements

Federal Agency: U.S. Department of Education
State Entity: Atlanta Technical College

Finding Status: Previously Reported Corrective Action Implemented

2018-021 Improve Controls over the Verification Process

Federal Agency: U.S. Department of Education
State Entity: Atlanta Technical College

Finding Status: Previously Reported Corrective Action Implemented

2018-022 Improve Controls over the Return of Title IV Funds Process

Federal Agency: U.S. Department of Education
State Entity: Atlanta Technical College

Finding Status: Unresolved

Regarding the issue of calculating institutional charges correctly, the Technical College has updated the original charge cutoff date within the student information system to be the last date of the term. The Technical College's step-by-step Semester Set Up Guide will be updated to include the step that requires the original charge date to be changed to the last day of the semester, as well. Furthermore, Academic Affairs will be conducting training with the faculty on how to enter grades each semester to ensure that the last date of attendance entered is correct. A document and video will also be created and shared with faculty as a training and reference tool.

The Institution plans to have all new processes and procedures implemented by January 31, 2020.

2018-023 Strengthen Controls over the Student Financial Aid Awarding Process

Federal Agency: U.S. Department of Education
State Entity: Augusta Technical College

Finding Status: Previously Reported Corrective Action Implemented

2017-032 Overpayment of Student Financial Assistance

Federal Agency: U.S. Department of Education
State Entity: Georgia Piedmont Technical College

Finding Status: Partially Resolved

Georgia Piedmont Technical College (GPTC) has partially resolved the overpayment challenges identified during the 2017 fiscal year. The Technical College underwent a change in leadership for the Financial Aid and Registrar's Office during the Spring 2019 term. A new Satisfactory Academic Progress policy was also adopted by GPTC in the Spring. Oversight of these new procedures is monitored by the Financial Aid Director, Registrar and Vice President of Student Affairs. Furthermore, GPTC has withdrawn from the Federal Student Loan Program (FSLP) effective for the 2018-2019 Award Year. Lastly, the Technical College System of Georgia (TCSG) has developed a quality assurance program providing an additional layer of compliance and conducts an annual review of the Technical College's financial aid policies, procedures and student testing. TCSG is confident that new policies and procedures, change in leadership and additional support will reflect vast improvement in this area.

GPTC plans to have all new processes and procedures implemented by April 2020.

2017-033 Return of IV Funds

Federal Agency: U.S. Department of Education
State Entity: Georgia Piedmont Technical College

Finding Status: Previously Reported Corrective Action Implemented

2017-034 Unofficial Withdrawals

Federal Agency: U.S. Department of Education
State Entity: Georgia Piedmont Technical College

Finding Status: Previously Reported Corrective Action Implemented

2018-024 Strengthen Controls over Matching Requirements

Federal Agency: U.S. Department of Education
State Entity: Southern Crescent Technical College

Finding Status: Previously Reported Corrective Action Implemented

2018-025 Improve Controls over Unofficial Withdrawals

Federal Agency: U.S. Department of Education
State Entity: Southern Crescent Technical College

Finding Status: Previously Reported Corrective Action Implemented

2018-026 Continue to Strengthen Application Risk Management Program

Federal Agency: U.S. Department of Health and Human Services
State Entity: Department of Community Health
Repeat of Prior Year Finding: 2017-037, 2016-044

Finding Status: Partially Resolved

DCH OIT is continuing to make progress toward the completion of identified organizational goals, objectives and tasks required to fully remediate this finding by March 31, 2020.

Updates include the following:

- *Facilitated the successful completion of three Independent Security and Privacy Assessment Engagement Projects to strengthen the organizations controls over its Application Risk Management Program. Those are:
 - *Independent NIST 800-53 Federal Computer Security Standards Based Assessment of the State's Technology Hosting Platform and Data Center along with State Service Organization Controls.*
 - *Independent NIST 800-53 Federal Computer Security Standards Based Assessment of the organizations Third-Party Hosted Medicaid Management Information System.*
 - *Independent HHS/OCR Audit Protocol Criteria Assessment of the organization's compliance status pertaining to privacy, security, and breach notification laws, regulations, and standards.**
- *Working with State Auditors to provide artifacts and supporting documentation that demonstrates the organization's commitment to tighten application risk management controls by addressing organizational oversight procedures known as Complimentary User Entity Controls (CUECs) necessary to continuously monitor service delivery management and service organization transaction processing systems and services.*
- *Requiring healthcare service providers to provide System Security Plans and periodic security metrics reports that demonstrate the service organizations compliance status with Federal computer security standards.*
- *Reviewing and approving service organization contingency plans and disaster recovery exercise reports to ensure that Medicaid transaction processing systems meet the organizations data confidentiality, integrity, and availability standards and requirements.*
- *Continuing to work with organizational leadership to address budgetary and security resource requirements to grow the security program staff to an appropriate level.*
- *Working closely with CMS and Social Security Administration Federal business partners to certify planned Medicaid Transaction Processing Systems and Services to ensure that they meet applicable Federal and State Security and Privacy Laws, Regulations, and Standards.*

2017-037 Strengthen Application Risk Management Program

Federal Agency: U.S. Department of Health and Human Services
State Entity: Department of Community Health
Repeat of Prior Year Finding: 2016-044

Finding Status: Partially Resolved

See response to finding number 2018-026.

2016-044 Strengthen Application Risk Management Program

Federal Agency: U.S. Department of Health and Human Services
State Entity: Department of Community Health

Finding Status: Partially Resolved

See response to finding number 2018-026.

2018-027 Continue to Monitor Controls over Eligibility Documentation

Federal Agency: U.S. Department of Health and Human Services
State Entity: Department of Human Services
Repeat of Prior Year Finding: 2017-038

Finding Status: Partially Resolved

After training was completed for staff in October 2018, a few errors were still noted during subsequent quality reviews. The Division of Family and Children Services will continue a comprehensive three-layer internal controls monitoring process, specifically targeting Temporary Assistance for Needy Families (TANF). The following Corrective Action Plan (CAP) will be implemented:

- *Monthly, District TANF Field Program Specialists (FPS) will perform first-level case Accuracy Review on sample TANF cases prior to client notification of eligibility status.*
- *Second-level reviews will also be completed by FPS staff.*
- *District supervisors and/or administrators will perform first and second level reviews.*

2017-038 Strengthen Controls over Eligibility Documentation

Federal Agency: U.S. Department of Health and Human Services
State Entity: Department of Human Services

Finding Status: Partially Resolved

See response to finding number 2018-027.

2018-028 Monitor Controls over Child Support Noncooperation Sanctions

Federal Agency: U.S. Department of Health and Human Services
State Entity: Department of Human Services
Repeat of Prior Year Finding: 2017-039

Finding Status: Partially Resolved

The monitoring of the Sanction Request reports were not previously being monitored by applicable staff. However, the Division of Family and Children Services will implement additional steps to the current multi-layer internal controls. The following Corrective Action Plan (CAP) will be implemented:

- *Training for veteran District TANF staff has been completed.*
- *Field Program Specialists (FPS) will track all sanction requests to ensure timely action.*
- *Monthly logs of TANF related sanction requests will be received directly from the Office of Child Support Services (OCSS) and the logs will be reviewed by State Office staff to ensure sanctions have been implemented.*
- *Further, Field Program Specialists (FPS) will be copied on all sanction requests and are tracking to ensure timely action. This will add an additional layer of control to detect instances of noncompliance.*
- *TANF policy has been updated to include district procedures for OCSS sanctions.*

2017-039 Improve Controls over Child Support Noncooperation Sanctions

Federal Agency: U.S. Department of Health and Human Services
State Entity: Department of Human Services

Finding Status: Partially Resolved

See response to finding number 2018-028.

2017-040 Strengthen Logical Access Controls

Federal Agency: U.S. Department of Health and Human Services
State Entity: Department of Human Services

Finding Status: Previously Reported Corrective Action Implemented

2018-029 Improve Controls over Medicaid Eligibility Determinations

Federal Agency: U.S. Department of Health and Human Services
State Entity: Various State Agencies:
Department of Community Health and
Department of Human Services

Finding Status: Unresolved

The Department of Community Health ("DCH") has begun the implementation of the following corrective action plan, however, not all actions were completed by June 30, 2019. As a result, the corrective action was not fully resolved as of the end of the fiscal year.

Below is the Department of Community Health's ("DCH") update to the corrective action plan for SSI Ex-Parte cases for continuing Medicaid determination issued in SFY2018.

- Training materials will be developed and submitted to DCH Member Policy Unit for review and approval. Once approved, the DFCS State Office Medicaid Unit will re-train appropriate ABD and Family Medicaid Administrators, Field Program Specialists, Medicaid eligibility supervisors and Medicaid eligibility workers on the correct procedures for Ex-Parte. Ongoing training will be provided for new staff. Status: Training materials have been developed and approved by DCH. Training of ABD, Family Medicaid Administrators, Field Program Specialists, Medicaid eligibility supervisors, and Medicaid eligibility workers will be completed by April 30, 2020.*
- The DFCS State Office Medicaid Unit will designate an individual to obtain the daily reports ELG-5003-D SSI MAO-Q Track Ex-Parte Determination List and ELG-5004-D SSI RSM Ex-Parte Determination List, and the monthly reports ELG-5103-M SSI Q-Track Non-Confirmation List and ELG-5104-M SSI RSM Non-Confirmation List from GAMMIS. Status: We will designate an individual by December 31, 2019.*
- The assigned designee will format and filter the daily and monthly lists by District and distribute to the assigned field ABD administrator with a copy to the District's Medicaid Field Program Specialist (FPS). Status: This process will be finalized and in place by April 30, 2020.*
- The DFCS FPS staff will monitor progress of the lists and reach out to Districts that have not submitted responses in a timely manner. Assigned staff are to review the lists and take action daily, including filling out the DCH notification forms. Field staff are to report up to the DFCS State office Medicaid unit manager on a weekly basis. In addition, they will report any issues encountered for review and resolution. District Leadership will be notified of any issues related to untimely completion of this work. Status: This process will be finalized and in place by April 30, 2020.*
- A summary report will be sent to DCH from the DFCS Medicaid Unit to advise of the number of outstanding cases by the 15th of each month to include the following: the number of cases assigned, cases completed, and cases that remain pending for the previous month. The report will specify district, the number of Ex-Parte from the end of the previous reporting period, the number of any additional Ex-Parte, the number completed, and the remaining at the end of the reporting period. Status: The new reporting process will be implemented by April 30, 2020.*

2018-029 Improve Controls over Medicaid Eligibility Determinations (continued)

- *DCH MEQC will monitor the monthly submission of reports, track progress, and review efforts as part of quarterly Program Improvement Plan (PIP) meetings with DFCS. The Member Policy unit will address progress on a monthly basis as part of regular meetings with DFCS Medicaid Unit and provide guidance on any additional steps required. Status: This process will be finalized and in place by April 30, 2020.*
- *DCH Member Policy unit will receive a report from DXC of Ex-Parte cases closed on a monthly basis to track actions taken on the cases and ensure there is no overlap in eligibility. Status: This process will be finalized and in place by April 30, 2020.*
- *DCH will develop a plan to automate the Ex-Parte CMD process between GAMMIS and Gateway. Status: DCH has moved forward with requesting a CSR (CSR #1492) which will result in modifications to GAMMIS. The business requirements have been drafted. We will be meeting with our fiscal agent, DXC, to prioritize and finalize all requested changes. The next step will be to submit a Change Request (CR) for Gateway.*
- *DCH will refund the requested amount of \$192,298 in accordance with federal regulations. Status: DCH has taken the necessary steps to refund the \$192,298.*

Also, the above corrective actions are a collaboration between both DCH and DHS and require continuous procedure process review. These corrective actions were implemented in SFY2019 and expect to be fully finalized by April 2020.

2016-047 Strengthen Controls over Preparing UI Financial Reports

Federal Agency: U.S. Department of Labor

State Entity: Department of Labor

Finding Status: Previously Reported Corrective Action Implemented

2017-041 Continue to Improve Subrecipient Monitoring Controls

Federal Agency: U.S. Department of Transportation
State Entity: Department of Transportation
Repeat of Prior Year Finding: 2016-049, 2015-036, 2014-019, FA-484-13-03, FA-484-12-05

Finding Status: Previously Reported Corrective Action Implemented

2016-049 Improve Subrecipient Monitoring Controls

Federal Agency: U.S. Department of Transportation
State Entity: Department of Transportation

Finding Status: Previously Reported Corrective Action Implemented

2015-036 Noncompliance with Subrecipient Monitoring Requirements

Federal Agency: U.S. Department of Transportation
State Entity: Department of Transportation

Finding Status: Previously Reported Corrective Action Implemented

2014-019 Noncompliance with Subrecipient Monitoring Requirements

Federal Agency: U.S. Department of Transportation
State Entity: Department of Transportation

Finding Status: Previously Reported Corrective Action Implemented

FA-484-13-03 Noncompliance with Subrecipient Monitoring Requirements

Federal Agency: U.S. Department of Transportation
State Entity: Department of Transportation

Finding Status: Previously Reported Corrective Action Implemented

FA-484-12-05 Inadequate Internal Controls over Subrecipient Monitoring

Federal Agency: U.S. Department of Transportation
State Entity: Department of Transportation

Finding Status: Previously Reported Corrective Action Implemented

2018-030 Sub-recipient Monitoring

Federal Agency: U.S. Environmental Protection Agency
State Entity: Georgia Environmental Finance Authority

Finding Status: Previously Reported Corrective Action Implemented

2018-031 Sub-recipient Monitoring

Federal Agency: U.S. Environmental Protection Agency
State Entity: Georgia Environmental Finance Authority

Finding Status: Previously Reported Corrective Action Implemented

2018-032 Continue to Strengthen Logical Access Controls

Federal Agency: Various Federal Agencies:
U.S. Department of Agriculture
U.S. Department of Health and Human Services

State Entity: Department of Human Services

Repeat of Prior Year Finding: 2017-042, 2016-052

Finding Status: Previously Reported Corrective Action Implemented

2017-042 Continue to Strengthen Change Management and Logical Access Controls

Federal Agency: U.S. Department of Agriculture
U.S. Department of Health and Human Services

State Entity: Department of Human Services

Repeat of Prior Year Finding: 2016-052

Finding Status: Previously Reported Corrective Action Implemented

2016-052 Strengthen Change Management and Logical Access Controls

Federal Agency: U.S. Department of Agriculture
U.S. Department of Health and Human Services

State Entity: Department of Human Services

Finding Status: Previously Reported Corrective Action Implemented

Corrective Action Plan for Current Year Findings





Brian P. Kemp
Governor

Thomas Alan Skelton, CPA
State Accounting Officer

February 28, 2020

Mr. Greg S. Griffin, State Auditor
Georgia Department of Audits and Accounts
270 Washington Street, S.W., Room 1-156
Atlanta, Georgia 30334-8400

Dear Mr. Griffin,

Enclosed with this letter is the State of Georgia's "Corrective Action Plan" (CAP) for reporting in the Single Audit for fiscal year ending June 30, 2019. This CAP is compiled by the State Accounting Office (SAO) based on corrective action plans provided by the respective State Organization, and is organized by finding type (financial statement and federal award), Federal Agency (if applicable), State Organization, and finding number.

The State's CAP satisfies the requirements as detailed in Title 2 U.S. *Code of Federal Regulations, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (Uniform Guidance), Subpart F, Section 511 – Audit findings follow-up.

If you have any questions regarding this CAP, please contact our Office.

Sincerely,

A handwritten signature in black ink, appearing to read "Alan Skelton".

Thomas Alan Skelton, CPA
State Accounting Officer

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**FINANCIAL STATEMENT FINDINGS REPORTED UNDER
GOVERNMENT AUDITING STANDARDS**

2019-001 Continue to Improve Financial Statement Preparation

State Entity: Statewide Finding

Corrective Action Plans:

Preparing the CAFR continues to be a very complex and manual process. The items noted in this finding generally relate to misclassifications of data within the CAFR. SAO will continue to train staff on CAFR preparation which will include focusing on how data is presented. SAO will also continue to work towards automation and will add in additional analytical procedures, where applicable, to ensure consistent and accurate presentation of financial amounts within the CAFR.

Estimated Completion Date: June 30, 2020

Contact Person: Kris Martins, Deputy State Accounting Officer - Financial Reporting

Telephone: (404) 463-1528; **E-mail:** kris.martins@sao.ga.gov

2019-002 Strengthen Logical Access Controls

State Entity: Statewide Finding

Corrective Action Plans:

As noted in the finding, the user access issues have already been resolved. The recommendations will be reviewed and evaluated in conjunction with other logical access and change controls in place and will be implemented based on risk.

Estimated Completion Date: June 30, 2020

Contact Person: Barbara Rosenke-Sweeney, Chief Information Officer

Telephone: (404) 656-2133; **E-mail:** barbara@sao.ga.gov

2019-003 Improve Financial Reporting Controls

State Entity: Department of Public Health

Corrective Action Plans:

DPH will strengthen its financial controls, reconciliations, reporting, and year-end close processes by:

- *Improving, streamlining, and automating routine accounting processes and procedures*
- *Performing regular, timely, and thorough general ledger account reconciliations and analysis*
- *Researching and resolving outstanding differences on bank reconciliations*
- *Increasing training and regularly scheduled review sessions with financial staff*
- *Establishing task lists, timelines, and deadlines for timely transactional processing and reporting to ensure a smooth and efficient year-end financial close process*
- *Analyzing more carefully accounting data records and transactions for accuracy and integrity before submission for entry and reporting*

2019-003 Improve Financial Reporting Controls (continued)

Estimated Completion Date: December 31, 2020

Contact Person: Lee Wright, Chief Financial Officer
Telephone: (404) 463-2725; **E-mail:** lee.wright@dph.ga.gov

2019-004 Continue to Improve Internal Controls over Claims Processing

State Entity: Department of Community Health

Corrective Action Plans:

In addition to the third-party, financial audits of the PBM that include rebates, financial accuracy and financial guarantee components that occur on an ongoing basis, DCH plans to take the following steps:

- 1. Implement monthly claims testing in addition to testing when implementing benefit changes and the annual readiness review conducted; and*
- 2. Include eligibility as part of the ongoing PBM audits.*

Estimated Completion Date: May 31, 2020

Contact Person: Jeff Rickman, Executive Director
Telephone: (404) 463-0826; **E-mail:** jrickman@dch.ga.gov

2019-005 Continue to Strengthen Financial Reporting Controls

State Entity: Department of Community Health

Corrective Action Plans:

The Department of Community Health will implement the following corrective actions to continue to strengthen financial reporting controls.

- DCH will continue its annual engagement meeting with its contracted actuary to prepare a timeline of key dates for data sharing, to discuss methodologies and assumptions and reporting requirements to ensure schedules and calculations are accurate and complete.*
- DCH will document accounting policies and procedures for specific year-end accrual journal entries such as Drug Rebates and Benefit Estimates and provide training to staff.*
- DCH will create and perform key analytics to help prevent or timely detect financial errors in data used to prepare the CAFR-related financial statements.*
- DCH will continue to ensure Financial Reporting staff receive additional hours of training in GASB, GAAP and governmental financial reporting annually.*
- DCH will continue to hire staff in the area of Financial Reporting with higher technical accounting skills to help oversee the preparation of financial statements.*

Estimated Completion Date: June 30, 2020

Contact Person: Tisha Phillips, Director of Financial Services
Telephone: (404) 657-7201; **E-mail:** tisha.phillips@dch.ga.gov

2019-006 Continue to Strengthen Application Risk Management Program

State Entity: Department of Community Health

Corrective Action Plans:

DCH has taken steps to obtain the necessary federal and state funds and security resources to address these deficiencies in a timely manner. DCH Management is working to onboard security program resources during the 2nd Quarter of 2020 and procure the necessary third-party security services by the 3rd Quarter of 2020 and fully remediate the audit findings by the end of CY 2020.

Estimated Completion Date: December 31, 2020

Contact Person: Sherman Harris, CISO, Cybersecurity Director

Telephone: (404) 656-9653; **E-mail:** sheharris@dch.ga.gov

2019-007 Strengthen Logical Access Controls

State Entity: Department of Human Services

Corrective Action Plans:

DHS has corrected all concerns related to this finding. The cited user exceptions have been remediated and DHS implemented procedures whereby administrative database privileges are reviewed/adjusted monthly for appropriateness of access based on current job roles and responsibilities. Supporting evidence for these reviews is retained for at least 18-months.

Estimated Completion Date: February 27, 2020

Contact Person: Ananias Williams, Deputy Chief Information Officer

Telephone: (470) 463-0929; **E-mail:** ananias.williams@dhs.ga.gov

2019-008 Strengthen Logical Access Controls

State Entity: Department of Human Services

Corrective Action Plans:

DHS has corrected all concerns related to this finding. The cited generic user IDs have been removed and all Data Base Administrators (DBAs) are now required to use their assigned, unique and individual user ID when accessing the database. Other cited developers and users have been removed. Default general security settings have been modified to address the security concerns. DHS implemented procedures for periodic review of database access for appropriateness of access based on current job roles and responsibilities.

Estimated Completion Date: February 27, 2020

Contact Person: Ananias Williams, Deputy Chief Information Officer

Telephone: (470) 463-0929; **E-mail:** ananias.williams@dhs.ga.gov

2019-009 Strengthen Logical Access Controls

State Entity: Department of Revenue

Corrective Action Plans:

Change Management – Monitoring

The Georgia Department of Revenue (DOR) will submit a request to remove all unauthorized personnel. We will limit access to only those required for job duties and set up a process to review the access granted to the production file share to ensure that no unauthorized access has been granted.

Currently there is a process within the application called Health Check. This process runs daily and compares the Repository to the Database and reports any discrepancies via email to the support team.

Health Check was enabled on 10/1/2017.

Change Management – Windows Developer Access to Production

V12 of the Tax application implements role-based security and would give DOR the opportunity to do a complete review of how application security is administered and update to align more with least privilege standards.

ITS will work to remove all elevated developer production access in ITS. We will replace this access with view only in areas that could or have the potential to impact the financials of DOR and are not critical to the support of the application. The DOR support team will still need access to production support areas required for successful support of the ITS application. If elevated access to production is needed to support the business in areas that are not required for production support, access will only be granted on a temporary basis and that access will be documented through a security case and an end date of elevated access will be required. The case will be documented with why the access is needed and what will be done while the developer has the access. This case must be submitted by the developers' team lead and approved by senior application management.

V12 estimated installation date is July 2022.

Logical Access – Monitoring and Current User

Starting with the upcoming fiscal year, a work item will be systematically created twice a year (first business day of January and first business day of July) which will be auto-assigned to any user with employees in ITS. Work item lists all employees and their access and cannot be closed until all employees have been marked as reviewed and approved. Any access not approved will require supervisor to follow current process of submitting security case to change access.

A manual process for reviewing was implemented on 7/1/2019. An automated version of this was implemented on 2/19/2020.

Logical Access – Database – Privileged User

The DBA privileges granted to specific user(s) was revoked on 4/30/2019 as soon as the issue was identified.

2019-009 Strengthen Logical Access Controls (continued)

Logical Access – Database – General Security Settings

This Audit Trail has always been turned on at DOR. It is believed to have been turned off as part of maintenance. The Audit Trail setting was turned back on 7/10/2019 immediately after being discovered.

Estimated Completion Date: June 30, 2020

Contact Person: Henry Rutherford, Senior Manager App Support Development

Telephone: (404) 417-6497; **E-mail:** henry.rutherfordIII@dor.ga.gov

2019-010 Continue to Strengthen Logical Access Controls

State Entity: Georgia World Congress Center Authority

Corrective Action Plans:

In FY20, GWCCA management and staff will implement the following procedures:

1. *In January of each year, a report will be generated of all Paycom non-client side, base level user's access. This report will be sent directly to the Directors/Managers of each department to verify the following:
 - a. *Confirm users are currently in their department*
 - b. *Confirm user's level of access is valid and accurate*Estimated Completion Date: January 31, 2020.*
2. *An end of month User Change Report will be reviewed by the HR Director & HRIS Analyst. Applicable Directors will receive a User Change Report if users from their department are listed on the report and there's a need for further clarification of a change.*
3. *An annual review of all system privileges and security rights will be conducted for all Supervisor level and above (Managers, Directors, Executives) client side users. Estimated Completion Date: April 30, 2020.*
4. *A quarterly review of the Super User activity report will be conducted by the Director of Internal Audit.*
5. *Permission Profiles will be created for each department, detailing all supervisors, managers and admin roles and their rights within the department. An annual review of the Permission Profiles will be conducted by the Human Resources Department and the Director of each department to ensure all users are accurate and maintain the appropriate level of access.*

Estimated Completion Date: April 30, 2020

Contact Person: Ronald Miranda, Director of Human Resources

Telephone: (404) 223-4417; **E-mail:** RMiranda@GWCC.com

FEDERAL AWARD FINDINGS

2019-011 Improve Controls over the Return of Title IV Funds Process

Federal Agency: U.S. Department of Education

State Entity: Clayton State University

Corrective Action Plans:

The Institution concurs with this finding and these are isolated incidents. We will complete dual R2T4 calculations. The R2T4 calculation will be performed by the Financial Aid team member and by the Bursar's Office team member to confirm the R2T4 calculation and return amount.

Estimated Completion Date: December 17, 2019

Contact Person: Lakisha Sanders, Director of Financial Aid

Telephone: (678) 466-4181; **E-mail:** LakishaSanders@clayton.edu

2019-012 Improve Controls over the Verification Process

Federal Agency: U.S. Department of Education

State Entity: Fort Valley State University

Corrective Action Plans:

The University has invested in an electronic system to collect and store documents to prevent error in losing paperwork. The Office of Financial (OFA) will ensure proper training of employees on the verification process. Also, as employee's transition out of the department, the Director or Associate Director will ensure the proper review of the financial aid files they were responsible for are properly documented and processed.

Verification was performed on the student in question with the correct documentation and no changes were needed. The student's award amounts stayed the same. No aid needs to be returned to the U.S. Department of Education.

Estimated Completion Date: December 30, 2019

Contact Person: Kimberly Morris, Director, Financial Aid

Telephone: (478) 825-6605; **E-mail:** morrisk01@fvsu.edu

2019-013 Improve Controls over Cost of Attendance Budgets

Federal Agency: U.S. Department of Education

State Entity: Georgia Southwestern State University

Corrective Action Plans:

Once the Vice President for Student Engagement and Success confirms the COA all students will be re-evaluated. Furthermore, the University will attempt to set the COA before evaluations begin for the aid year.

Estimated Completion Date: February 17, 2020

Contact Person: Sandra Johnson, Assistant Director of Financial Aid

Telephone: (229) 931-2031; **E-mail:** sandra.johnson@gsw.edu

2019-014 Improve Controls over Unofficial Withdrawals

Federal Agency: U.S. Department of Education

State Entity: Georgia Southwestern State University

Corrective Action Plans:

The Financial Aid Office will run the unofficial withdrawal report and share the original report with the Student Accounts Office, so that no students will be missed in future processes.

Estimated Completion Date: February 17, 2020

Contact Person: Sandra Johnson, Assistant Director of Financial Aid

Telephone: (229) 931-2031; **E-mail:** sandra.johnson@gsw.edu

2019-015 Strengthen Controls over Enrollment Reporting

Federal Agency: U.S. Department of Education

State Entity: Albany Technical College

Corrective Action Plans:

Faculty are going to receive more training to insure that they report withdrawals to the Registrar earlier. Also, the Registrar is going to update the course status as well as the overall student status to insure the student's enrollment status is updated and sent to the National Student Clearinghouse and NSLDS.

Estimated Completion Date: January 13, 2020

Contact Person: Barbara Brown, Vice President of Student Affairs

Telephone: (229) 430-3504; **E-mail:** bbrown@albanytech.edu

2019-016 Strengthen Controls over the Awarding Process

Federal Agency: U.S. Department of Education

State Entity: Georgia Piedmont Technical College

Corrective Action Plans:

The Technical College has modified its procedure for SAP to ensure compliance but will also institute an additional review for students whose SAP calculations were performed before the system was reconfigured to ensure accurate calculations. The Technical College will thoroughly review its awarding setup to ensure no student awards are calculated incorrectly.

Estimated Completion Date: April 30, 2020

Contact Person: James Chiara, Director of Financial Aid

Telephone: (404) 297-9522; **E-mail:** chiaraj@gptc.edu

2019-017 Improve Controls over Federal Work-Study Earmarking Requirements

Federal Agency: U.S. Department of Education

State Entity: Georgia Piedmont Technical College

Corrective Action Plans:

The Technical College has increased the rate of pay for the positions that qualify for the federal earmarking requirement and will do a marketing campaign to students to attract more students to these positions. This will ensure these positions stay filled and that the 7% threshold is met in the future.

Estimated Completion Date: June 30, 2020

Contact Person: James Chiara, Director of Financial Aid

Telephone: (404) 297-9522; **E-mail:** chiaraj@gptc.edu

2019-018 Improve Controls over Special Reporting

Federal Agency: U.S. Department of Education

State Entity: Georgia Piedmont Technical College

Corrective Action Plans:

The Technical College will ensure all documentation regarding the FISAP is saved and accessible by multiple individuals to ensure turnover will not result in this information not being accessible. The Financial Aid Office will conduct a second review after submission with the Business Office, before the December deadline to process corrections, to ensure both parties are in agreement and have documentation to justify all reported figures.

Estimated Completion Date: December 31, 2019

Contact Person: James Chiara, Director of Financial Aid

Telephone: (404) 297-9522; **E-mail:** chiaraj@gptc.edu

2019-019 Strengthen Controls over Enrollment Reporting

Federal Agency: U.S. Department of Education

State Entity: Georgia Piedmont Technical College

Corrective Action Plans:

The Technical College has developed a report to identify students who need their enrollment status updated after the term ends when unearned "F" grades are entered. The Registrar's Office will coordinate with the System Office to ensure all withdrawal reports are updated timely.

Estimated Completion Date: December 31, 2019

Contact Person: James Chiara, Director of Financial Aid

Telephone: (404) 297-9522; **E-mail:** chiaraj@gptc.edu

2019-020 Improve Controls over Unofficial Withdrawals

Federal Agency: U.S. Department of Education

State Entity: Wiregrass Technical College

Corrective Action Plans:

All accounts identified in the review have been corrected and submitted to COD. Effective for the Fall 2019 term, Wiregrass Georgia Technical College (WGTC) has revised its grading policy and procedures. Going forward, WGTC will require that all "F" grades submitted by faculty include a last date of academic related activity (LDA) entered into Banner. The Registrar's Office will review the grades and LDAs to determine if the student earned a final grade for their course(s). Academic Deans will monitor any late and/or missing responses from faculty that require additional validation. Grades that cannot be validated as 'earned' will be considered unearned and processed according to federal guidelines by the Financial Aid Office. Students that are considered withdrawn will have the ability to appeal their status with the Registrar's Office and potentially reinstate their funding and enrollment status.

Estimated Completion Date: December 20, 2019

Contact Person: Angela Hobby, Vice President for Enrollment Management

Telephone: (229) 333-5365; **E-mail:** angela.hobby@wiregrass.edu

2019-021 Improve Controls over Medicaid Capitation Payments

Federal Agency: U.S. Department of Health and Human Services

State Entity: Department of Community Health

Corrective Action Plans:

The Department ("DCH") will review and update its current policy and process related to the identification and review of members with multiple member identification numbers. Additionally, DCH will review and update its policy and process related to the merger and consolidation of multiple identification numbers associated with the same member. This review will include education and clarification of those instances wherein the merger of multiple identification numbers for the same member is not appropriate and deemed an exception.

2019-021 Improve Controls over Medicaid Capitation Payments (continued)

Estimated Completion Date: September 1, 2020

Contact Person: Lynnette Rhodes, Executive Director, Medical Assistance Plans

Telephone: (404) 656-7513; **E-mail:** lrhodes@dch.ga.gov

2019-022 Improve Controls over Medicaid Payments

Federal Agency: U.S. Department of Health and Human Services

State Entity: Department of Community Health

Corrective Action Plans:

The Department (“DCH”) will modify its date of death processes within the Georgia Medicaid Management Information System (“GAMMIS”) to apply additional edits to all date of death information sources received in GAMMIS.

Estimated Completion Date: September 1, 2020

Contact Person: Lynnette Rhodes, Executive Director, Medical Assistance Plans

Telephone: (404) 656-7513; **E-mail:** lrhodes@dch.ga.gov

2019-023 Improve Controls over Medicaid Capitation Payments

Federal Agency: U.S. Department of Health and Human Services

State Entity: Department of Community Health

Corrective Action Plans:

The Department (“DCH”) will modify its Georgia Medicaid Management Information System (“GAMMIS”) to include processes to recoup capitation payments from the Care Management Organizations for Medicare eligible recipients when appropriate.

DCH will review the eligibility criteria with staff to ensure that all guidelines are understood and properly implemented when programming system edits for its managed care programs.

Further, DCH will follow the recommendation of DOAA and consult with CMS regarding overpayments for members who are retroactively enrolled in Medicare.

Estimated Completion Date: September 1, 2020

Contact Person: Lynnette Rhodes, Executive Director, Medical Assistance Plans

Telephone: (404) 656-7513; **E-mail:** lrhodes@dch.ga.gov

2019-024 Continue to Strengthen Application Risk Management Program

Federal Agency: U.S. Department of Health and Human Services

State Entity: Department of Community Health

Corrective Action Plans:

DCH has taken steps to obtain the necessary federal and state funds and security resources to address these deficiencies in a timely manner. DCH Management is working to onboard security program resources during the 2nd Quarter of 2020 and procure the necessary third-party security services by the 3rd Quarter of 2020 and fully remediate the audit findings by the end of CY 2020.

Estimated Completion Date: December 31, 2020

Contact Person: Sherman Harris, CISO, Cybersecurity Director

Telephone: (404) 656-9653; **E-mail:** sheharris@dch.ga.gov

2019-025 Improve Controls over Inpatient Medicaid Payments

Federal Agency: U.S. Department of Health and Human Services

State Entity: Department of Community Health

Corrective Action Plans:

The Department (DCH) will review the State Plan to evaluate if any changes are needed. Also, DCH will review the third-party vendor contract to determine if it needs to be amended to include language stating all audits must be completed by end of state fiscal year and add language requiring vendor to revise desk review process to ensure expanded audits are conducted annually where necessary.

Estimated Completion Date: June 30, 2020

Contact Person: Kim Morris, Director of Reimbursement

Telephone: (404) 657-0229; **E-mail:** kim.morris@dch.ga.gov

2019-026 Strengthen Logical Access Controls

Federal Agency: U.S. Department of Health and Human Services

State Entity: Department of Human Services

Corrective Action Plans:

DHS has corrected all concerns related to this finding. The cited generic user IDs have been removed and all Data Base Administrators (DBAs) are now required to use their assigned, unique and individual user ID when accessing the database. Other cited developers and users have been removed. Default general security settings have been modified to address the security concerns. DHS implemented procedures for periodic review of database access for appropriateness of access based on current job roles and responsibilities.

Estimated Completion Date: February 27, 2020

Contact Person: Ananias Williams, Deputy Chief Information Officer

Telephone: (470) 463-0929; **E-mail:** ananias.williams@dhs.ga.gov

2019-027 Improve Controls over Medicaid Eligibility Determinations

Federal Agency: U.S. Department of Health and Human Services

State Entity: Various State Agencies:
Department of Community Health
Department of Human Services

Corrective Action Plans:

DCH will continue to meet with the DFCS Medicaid Unit on a monthly basis to review and monitor the status of the Ex-Parte list and to ensure that Continuing Medicaid Eligibility Determinations are performed. DFCS will continue training identified staff until all training is complete. Ongoing training will be provided to new hires.

DCH, through its fiscal agent, will continue programming the required modifications to the GAMMIS system in order to automate the Ex-Parte Continuing Medicaid Eligibility Determination process. Automating the process will result in an interface between the Integrated Eligibility System ("Gateway") and Georgia Medicaid Management Information System (GAMMIS).

Pending completion of the automated process, daily and monthly reports will be created, reviewed, and distributed to designated staff. Ex-Parte cases will be assigned to staff for completion, monitored, and tracked by the lead supervisor and Director.

Estimated Completion Date:

- *The projected completion date for modifications to the GAMMIS system is September 1, 2020.*
- *Training will be completed by DFCS on or before April 30, 2020.*

Estimated Completion Date: September 1, 2020

Contact Person: Lynnette Rhodes, Executive Director, Medical Assistance Plans

Telephone: (404) 656-7513; **E-mail:** lrhodes@dch.ga.gov

2019-028 Follow Established Controls over Real Property and Equipment

Federal Agency: U.S. Department of the Interior

State Entity: Department of Natural Resources

Corrective Action Plans:

In any future events of inadequate staffing, reconciliations will be reviewed and approved monthly by the asset manager's supervisor.

Estimated Completion Date: March 20, 2020

Contact Person: Tim Wright, Accounting Director

Telephone: (404) 656-7736; **E-mail:** Tim.Wright@DNR.GA.GOV

2019-029 Strengthen Controls over the Awarding Process

Federal Agency: Various Federal Agencies:

U.S. Department of Education

U.S. Department of Health and Human Services

State Entity: University of West Georgia

Corrective Action Plans:

The population selection process for the enrollment freeze was determined to be incorrect. In August 2019, Financial Aid worked with an ITS member to resolve the problem. The population selection process was corrected, but it was corrected temporarily for Fall 2019. A permanent solution for coding the correct population selected is already in progress.

Estimated Completion Date: January 15, 2020

Contact Person: Leigh Ann Hussey, Director, Financial Aid

Telephone: (678) 839-2256; **E-mail:** lhussey@westga.edu

2019-030 Improve Controls over Cost of Attendance Budgets

Federal Agency: Various Federal Agencies:

U.S. Department of Education

U.S. Department of Health and Human Services

State Entity: University of West Georgia

Corrective Action Plans:

For the 18-19 award year, COA budgets were adjusted by a straight 3% across-the-board from 17-18 award year COA budgets. Documentation from 17-18 COA budgets could not be located. The 19-20 award year COA budgets were correctly documented via a Qualtrics survey and corresponding results. The results are stored on the Financial Aid Shared Drive. In Spring 2019, USG informed institutions during an audit webinar that straight percentage increases across the board were no longer acceptable. UWG Financial Aid has already adjusted the Financial Aid Policy and Procedure Manual to state that "Cost of Attendance research will be performed annually before awarding for the upcoming aid year. Documentation will be placed on the Financial Aid shared drive."

Estimated Completion Date: July 1, 2019

Contact Person: Leigh Ann Hussey, Director, Financial Aid

Telephone: (678) 839-2256; **E-mail:** lhussey@westga.edu

2019-031 Improve Controls over the Return of Title IV Funds Process

Federal Agency: Various Federal Agencies:

U.S. Department of Education

U.S. Department of Health and Human Services

State Entity: University of West Georgia

Corrective Action Plans:

The UWG Financial Aid Office will implement a temporary corrective action plan immediately followed by a permanent corrective action plan. Until the permanent plan can be implemented, 2 UWG Financial Aid employees will review each R2T4 calculation. This will ensure timeliness and accuracy in the current process. In order to reduce the capacity for human error as much as possible, the permanent solution will be to completely move the R2T4 process into Banner. The UWG Financial Aid Office will work to complete this project with both the Bursar's and Registrar's Offices.

Estimated Completion Date: August 31, 2020

Contact Person: Leigh Ann Hussey, Director, Financial Aid

Telephone: (678) 839-2256; **E-mail:** lhussey@westga.edu

**Appendix "A" – Listing of Organizational Units
Comprising the State of Georgia Reporting Entity
For the Fiscal Year Ended June 30, 2019**

State of Georgia

<u>ORGANIZATIONAL UNIT</u>	<u>CONTROL NUMBERS</u>
Accounting Office, State	407
Administrative Services, Department of	403
Agricultural Commodities Commissions	93X
Agricultural Exposition Authority, Georgia	926
Agriculture, Department of	402
Audits and Accounts, Department of (*)	404
Aviation Authority, Georgia	992
Banking and Finance, Department of	406
Behavioral Health and Developmental Disabilities, Department of	441
Boll Weevil Eradication Foundation of Georgia, Inc.	930
Building Authority, Georgia (*)	900
Community Affairs, Department of (*)	428
Community Health, Department of	419
Community Supervision, Department of	477
Correctional Industries Administration, Georgia	921
Corrections, Department of	467
Defense, Department of	411
Development Authority, Georgia (*)	914
Driver Services, Department of	475
Early Care and Learning, Department of	469
Economic Development, Department of	429
Education, Department of	414
Environmental Finance Authority, Georgia (*)	928
Financing and Investment Commission, Georgia State (*)	409
General Assembly, Georgia (*)	444
Geo. L. Smith II Georgia World Congress Center Authority	922
Georgia Forestry Commission	420
Governor, Office of the	422
Higher Education Assistance Corporation, Georgia (*)	918
Higher Education Facilities Authority, Georgia (*)	969
Housing and Finance Authority, Georgia (*)	923
Human Services, Department of	427
Insurance, Department of (1)	408
International and Maritime Trade Center Authority, Georgia	974
Investigation, Georgia Bureau of	471
Jekyll Island State Park Authority	910
Jekyll Island Foundation, Inc.	993
Judicial Branch	430
Court of Appeals, Georgia	432
Judicial Council of Georgia	434

(1) Organization elected to use the 10% de minimis cost rate, see page C-99 for more information.

(*) The audit of this organization is performed in whole or in part by other auditors.

**Appendix "A" – Listing of Organizational Units
Comprising the State of Georgia Reporting Entity
For the Fiscal Year Ended June 30, 2019**

State of Georgia

<u>ORGANIZATIONAL UNIT</u>	<u>CONTROL NUMBERS</u>
Juvenile Court Judges of Georgia, Council of	431
Prosecuting Attorneys' Council of Georgia (1)	418
Superior Courts, Georgia	436
Supreme Court, Georgia	438
Juvenile Justice, Department of	461
Labor, Department of	440
Lake Lanier Islands Development Authority	913
Law, Department of	442
Lottery Corporation, Georgia (*)	973
Natural Resources, Department of	462
North Georgia Mountains Authority	912
OneGeorgia Authority	981
Pardons and Paroles, State Board of	465
Pension and Other Employee Benefit Trust Funds	
Augusta University Early Retirement Pension Plan	5127
Employees' Retirement System of Georgia (*)	
Regular	416
Deferred Compensation 401 (K) Plan	n/a
Deferred Compensation 457 Plan	n/a
Defined Contribution Plan, Georgia	n/a
District Attorneys' Retirement Fund of Georgia	946
Judicial Retirement System, Georgia	n/a
Legislative Retirement System, Georgia	n/a
Military Pension Fund, Georgia	n/a
Public School Employees Retirement System	468
State Employees' Assurance Department	n/a
Superior Court Judges Retirement Fund of Georgia	945
Firefighters' Pension Fund, Georgia	950
Judges of the Probate Courts Retirement Fund of Georgia	949
Magistrates Retirement Fund of Georgia	991
Peace Officers' Annuity and Benefit Fund of Georgia	947
School Personnel Postemployment Health Benefit Fund, Georgia	360A
Sheriffs' Retirement Fund of Georgia	951
State Employees Postemployment Health Benefit Fund	360B
Superior Court Clerks' Retirement Fund of Georgia (*)	948
Teachers Retirement System of Georgia (*)	482
Ports Authority, Georgia (*)	916
Properties Commission, State	410
Public Defender Standards Council, Georgia	492
Public Health, Department of	405

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**Appendix "A" – Listing of Organizational Units
Comprising the State of Georgia Reporting Entity
For the Fiscal Year Ended June 30, 2019**

State of Georgia

<u>ORGANIZATIONAL UNIT</u>	<u>CONTROL NUMBERS</u>
Public Safety, Department of	466
Public Service Commission	470
Public Telecommunications Commission, Georgia	977
Regents of the University System of Georgia, Board of	472
Abraham Baldwin Agricultural College	557
Albany State University	522
Atlanta Metropolitan State College	561
AU Health System, Inc. (*)	5128
Augusta University	512
Augusta University Foundation, Inc. and Subsidiaries (*)	5272
Augusta University Research Institute, Inc. (*)	5126
Clayton State University	528
College of Coastal Georgia	563
Columbus State University	530
Dalton State College	569
East Georgia State College (1)	572
Fort Valley State University	533
Georgia Advanced Technology Ventures, Inc. and Subsidiaries (*)	5038
Georgia College & State University	536
Georgia College & State University Foundation, Inc. and Subsidiaries (*)	5362
Georgia Gwinnett College	540
Georgia Gwinnett College Foundation, Inc. (*)	5365
Georgia Health Sciences Foundation, Inc. (*)	5273
Georgia Highlands College	573
Georgia Institute of Technology	503
Georgia Military College	968
Georgia Southern University	539
Georgia Southern University Housing Foundation, Inc. and Subsidiaries (*)	5392
Georgia Southwestern State University	542
Georgia State University	509
Georgia State University Athletic Association, Inc. (*)	5093
Georgia State University Foundation, Inc. (*)	5091
Georgia State University Research Foundation, Inc. (*)	5092
Georgia Tech Athletic Association (*)	5032
Georgia Tech Facilities, Inc. (*)	5034
Georgia Tech Foundation, Inc. (*)	5035
Georgia Tech Research Corporation (*)	5036
Gordon State College	576
Kennesaw State University	543
Kennesaw State University Foundation, Inc. (*)	5431

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**Appendix "A" – Listing of Organizational Units
Comprising the State of Georgia Reporting Entity
For the Fiscal Year Ended June 30, 2019**

State of Georgia

<u>ORGANIZATIONAL UNIT</u>	<u>CONTROL NUMBERS</u>
Medical College of Georgia Foundation, Inc. (*)	5122
Middle Georgia State University (1)	583
Middle Georgia State University Real Estate Foundation, Inc. and Subsidiaries (*)	5841
Savannah State University	548
South Georgia State College	588
University of Georgia	518
University of Georgia Athletic Association, Inc. (*)	5181
University of Georgia Foundation (*)	5182
University of Georgia Research Foundation, Inc. and Subsidiaries (*)	5184
University of North Georgia	553
University of North Georgia Real Estate Foundation, Inc. and Subsidiaries (*)	5452
University of West Georgia	554
University System of Georgia Foundation, Inc. and Affiliates (*)	4721
UWG Real Estate Foundation, Inc. (*)	5543
Valdosta State University	551
VSU Auxiliary Services Real Estate Foundation, Inc. (*)	5512
Regional Educational Service Agencies	
Central Savannah River Area RESA	8684
Chattahoochee-Flint RESA	8724
Coastal Plains RESA	8864
First District RESA	8804
Griffin RESA	8624
Heart of Georgia RESA	8764
Metropolitan RESA	8564
Middle Georgia RESA	8644
North Georgia RESA	8524
Northeast Georgia RESA	8584
Northwest Georgia RESA	8504
Oconee RESA	8664
Okefenokee RESA	8884
Pioneer RESA	8544
Southwest Georgia RESA	8844
West Georgia RESA	8604
Regional Transportation Authority, Georgia	976
Revenue, Department of	474
Road and Tollway Authority, State	927
Secretary of State	478
State Treasurer, Office of the	486
Stone Mountain Memorial Association (*)	911
Student Finance Authority, Georgia (*)	917

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**Appendix "A" – Listing of Organizational Units
Comprising the State of Georgia Reporting Entity
For the Fiscal Year Ended June 30, 2019**

State of Georgia

<u>ORGANIZATIONAL UNIT</u>	<u>CONTROL NUMBERS</u>
Student Finance Commission, Georgia	476
REACH Georgia Foundation, Inc. (*)	4761
Subsequent Injury Trust Fund	489
Superior Court Clerks' Cooperative Authority, Georgia (*)	955
Technical College System of Georgia	415
Albany Technical College	820
Athens Technical College	822
Atlanta Technical College	823
Augusta Technical College	824
Central Georgia Technical College	835
Chattahoochee Technical College	827
Coastal Pines Technical College	818
Columbus Technical College	828
Georgia Northwestern Technical College	829
Georgia Piedmont Technical College	830
Gwinnett Technical College	832
Lanier Technical College	834
North Georgia Technical College (1)	838
Oconee Fall Line Technical College	817
Ogeechee Technical College	844
Savannah Technical College	841
South Georgia Technical College	842
Southeastern Technical College	843
Southern Crescent Technical College	831
Southern Regional Technical College (1)	837
West Georgia Technical College	826
Wiregrass Technical College (1)	848
Technology Authority, Georgia	980
Transportation, Department of	484
Veterans Service, Department of	488
Workers' Compensation, State Board of	490

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