

**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION,
AND GEORGIA INSTITUTE OF TECHNOLOGY**

COMPLIANCE REPORTS

For the Year Ended June 30, 2024

And Reports of Independent Auditor

**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION, AND
GEORGIA INSTITUTE OF TECHNOLOGY**
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Report of Independent Auditor

To the Board of Trustees
Georgia Tech Research Corporation,
Georgia Tech Applied Research Corporation, and
Georgia Institute of Technology
Atlanta, Georgia

Report on the Audit of the Schedule of Expenditures of Federal Awards

Opinion

We have audited the accompanying Schedule of Expenditures of Federal Awards (the “Schedule”) of Georgia Tech Research Corporation, Georgia Tech Applied Research Corporation and Georgia Institute of Technology (collectively, the “Organization”) for the year ended June 30, 2024, and the related notes to the Schedule.

In our opinion, the accompanying Schedule presents fairly, in all material respects, the expenditures of federal awards of the Organization for the year ended June 30, 2024, in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit 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”). Our responsibilities under those standards and the Uniform Guidance are further described in the *Auditor’s Responsibilities for the Audit of the Schedule* section of our report.

We are required to be independent of the Organization and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Schedule

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

Auditor’s Responsibilities for the Audit of the Schedule

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

In performing an audit in accordance with generally accepted auditing standards, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the Schedule, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the Schedule.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Organization's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the Schedule.

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

Other Matters

We have audited the financial statements of the business-type activities and each major fund of Georgia Tech Research Corporation and Georgia Tech Applied Research Corporation (collectively, "GTRC") as of and for the year ended June 30, 2024, and the related notes to the financial statements, which collectively comprise GTRC's basic financial statements. We issued our report thereon dated September 12, 2024, which contained an unmodified opinion on those financial statements.

The state of Georgia Department of Audits and Accounts has audited the basic financial statements of Georgia Institute of Technology as of and for the year ended June 30, 2024, and related notes and has issued its report thereon based on the audit of the basic financial statements performed in accordance with auditing standards generally accepted in the United States of America dated December 18, 2024, which expressed an unmodified opinion on those financial statements and reports no findings in relation to internal control over financial reporting or compliance and other matters.

Cherry Bekaert LLP

Atlanta, Georgia
January 29, 2025

Report of Independent Auditor on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of the Financial Statements Performed in Accordance with Government Auditing Standards

To the Board of Trustees
Georgia Tech Research Corporation and
Georgia Tech Applied Research Corporation
Atlanta, Georgia

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the business-type activities, and each major fund of Georgia Tech Research Corporation and Georgia Tech Applied Research Corporation (collectively, "GTRC") as of and for the year ended June 30, 2024, and the related notes to the financial statements which collectively comprise GTRC's basic financial statements, and have issued our report thereon dated September 12, 2024.

Report on Internal Control over Financial Reporting

In planning and performing our audit of the financial statements, we considered GTRC's internal control over financial reporting ("internal control") as a basis for designing audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements but not for the purpose of expressing an opinion on the effectiveness of GTRC's internal control. Accordingly, we do not express an opinion on the effectiveness of GTRC'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 GTRC's financial statements will not be prevented, or detected and corrected, on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

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

Report on Compliance and Other Matters

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

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 GTRC's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering GTRC's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Cherry Bekaert LLP

Atlanta, Georgia

September 12, 2024, except for the schedule of expenditures of federal awards which is dated

January 29, 2025

Report of Independent Auditor on Compliance for Each Major Federal Program and on Internal Control over Compliance Required by the Uniform Guidance

To the Board of Trustees
Georgia Tech Research Corporation,
Georgia Tech Applied Research Corporation, and
Georgia Institute of Technology
Atlanta, Georgia

Report on Compliance for Each Major Federal Program

Opinion on Each Major Federal Program

We have audited the compliance of Georgia Tech Research Corporation, Georgia Tech Applied Research Corporation, and the Georgia Institute of Technology (collectively, the “Organization”) with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the Organization’s major federal programs for the year ended June 30, 2024. The Organization’s major federal programs are identified in the *Summary of Auditor’s Results* section of the accompanying schedule of findings and questioned costs.

In our opinion, the Organization complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2024.

Basis for Opinion on Each Major Federal Program

We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; 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”). Our responsibilities under those standards and the Uniform Guidance are further described in the *Auditor’s Responsibilities for the Audit of Compliance* section of our report.

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

Responsibilities of Management for Compliance

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

Auditor’s Responsibilities for the Audit of Compliance

Our objectives are to obtain reasonable assurance about whether material noncompliance with the compliance requirements referred to above occurred, whether due to fraud or error, and express an opinion on the Organization’s compliance based on our audit. Reasonable assurance is a high level of assurance but is not absolute assurance and, therefore, is not a guarantee that an audit conducted in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the Uniform Guidance will always detect material noncompliance when it exists. The risk of not detecting material noncompliance resulting from fraud is higher than for that resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.

Noncompliance with the compliance requirements referred to above is considered material if there is a substantial likelihood that, individually or in the aggregate, it would influence the judgment made by a reasonable user of the report on compliance about the Organization's compliance with the requirements of each major federal program as a whole.

In performing an audit in accordance with generally accepted auditing standards, *Government Auditing Standards*, and the Uniform Guidance, we:

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

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

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 as item 2024-001. Our opinion on each major federal program is not modified with respect to this matter.

Government Auditing Standards requires the auditor to perform limited procedures on the Organization's response to the noncompliance findings identified in our audit described in the accompanying schedule of findings and questioned costs. The Organization's response was not subjected to the other auditing procedures applied in the audit of compliance and, accordingly, we express no opinion on the response.

Report on Internal Control over Compliance

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

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. We consider the deficiency in internal control over compliance described in the accompanying schedule of findings and questioned costs as item 2024-001 to be a significant deficiency.

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

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

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.

Cherry Bekaert LLP

Atlanta, Georgia
January 29, 2025

**GEORGIA TECH RESEARCH CORPORATION
 GEORGIA TECH APPLIED RESEARCH CORPORATION, AND
 GEORGIA INSTITUTE OF TECHNOLOGY
 SHEDULE OF EXPENDITURES OF FEDERAL AWARDS**

YEAR ENDED JUNE 30, 2024

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Research and Development-Cluster:				
Department of Agriculture				
Agricultural Research Basic and Applied Research	10.001		\$ -	\$ 252,984
1890 Institution Capacity Building Grants	10.216		-	60,920
Agriculture and Food Research Initiative (AFRI)	10.310		69,079	1,981,364
Food Safety Outreach Program	10.328		-	-
Wood Utilization Assistance	10.674		-	(2,385)
Specialty Crop Block Grant Program - Farm Bill				
Passed through from:				
GEORGIA DEPARTMENT OF AGRICULTURE/ATLANTA, GA	10.170	147967	4,549	30,386
Agriculture and Food Research Initiative (AFRI)				
Passed through from:				
UNIVERSITY OF ARKANSAS	10.310	AWD-103178-01	-	326,542
UNIVERSITY OF TENNESSEE/	10.310	148261	-	82,404
US ENDOWMENT FOR FORESTRY AND COMMUNITIES/GREENVILLE, SC	10.310	152946	-	40,821
Forestry Research				
Passed through from:				
US ENDOWMENT FOR FORESTRY AND COMMUNITIES/GREENVILLE, SC	10.652	152947	-	127,227
Partnerships for Climate-Smart Commodities				
Passed through from:				
YALE UNIVERSITY/NEW HAVEN, CT	10.937	151228	-	87,755
Total Department of Agriculture			73,628	2,988,018
Department of Commerce				
Economic Development Technical Assistance	11.303		-	72,181
Economic Adjustment Assistance	11.307		50,000	6,961,325
Trade Adjustment Assistance for Firms	11.313		100,458	722,395
Climate and Atmospheric Research	11.431		-	309,706
Congressionally Identified Awards and Projects	11.469		578,630	1,157,464
Measurement and Engineering Research and Standards	11.609		125,000	880,830
Manufacturing Extension Partnership	11.611		-	10,504
Integrated Ocean Observing System (IOOS)				
Passed through from:				
SE COASTAL OCEAN OBSERVING REGIONAL ASSN/JOHNS ISLAND, SC	11.012	146335	-	24,785
SOUTHEAST COASTAL OCEAN OBSERVING REGIONAL ASSOC (SECOORA)/MT PLEASANT, SC/	11.012	149450	-	126,095
Economic Development Technical Assistance				
Passed through from:				
HYDROLOGIC RESEARCH CENTER/SAN DIEGO, CA	11.303	153929	-	49,834
SOUTHWEST GEORGIA REGIONA	11.303	SSA DTD 2/1/24	-	96,463
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	11.303	148760	-	277,520
UNIVERSITY OF GEORGIA/ATHENS, GA	11.303	148407	-	70,946
Sea Grant Support				
Passed through from:				
SOUTH CAROLINA SEA GRANT CONSORTIUM/CHARLESTON, SC	11.417	207400	-	32,378
Coastal Zone Management Administration Awards				
Passed through from:				
GA DEPT NATURAL RESOURCES/	11.419	150353	-	37,636
GA DEPT NATURAL RESOURCES/	11.419	151961	-	9,425
GA DEPT NATURAL RESOURCES/	11.419	205064	-	9,280
GEORGIA SOUTHERN UNIVERSITY/STATESBORO, GA	11.419	147361	-	10,078
Climate and Atmospheric Research				
Passed through from:				
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	11.431	143215	-	94,197
Unallied Science Program				
Passed through from:				
PRINCE WILLIAM SOUND SCIE	11.472	21-72-01	-	(124)
Office for Coastal Management				
Passed through from:				
SC DEPT OF NATURAL RESOURCES/COLUMBIA, SC	11.473	151098.000	-	138,533
Center for Sponsored Coastal Ocean Research Coastal Ocean Program				
Passed through from:				
LEHIGH UNIVERSITY/BETHLEHEM, PA	11.478	138065	-	74,709
Measurement and Engineering Research and Standards				
Passed through from:				
COLORADO STATE UNIVERSITY/COLLINS, CO	11.609	143069	-	50,304
EMORY UNIVERSITY/ATLANTA, GA	11.609	146991	-	26,257
UNIVERSITY OF GEORGIA/ATHENS, GA	11.609	150651	-	11,057
Arrangements for Interdisciplinary Research Infrastructure				
Passed through from:				
NIIMBL/WASHINGTON, DC	11.619	141883	-	(1,596)
Total Department of Commerce			854,088	11,262,182
Department of the Army				

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Basic and Applied Scientific Research	12.300		\$ 7,613,181	\$ 36,008,841
Military Medical Research and Development	12.420		77,342	569,961
Basic Scientific Research	12.431		62,778,104	258,950,496
Basic, Applied, and Advanced Research in Science and Engineering	12.630		1,750,291	42,337,897
Air Force Defense Research Sciences Program	12.800		-	543,793
Research and Technology Development	12.910		16,050	70,990
Basic Scientific Research				
Passed through from:				
ADVANCED REGENERATIVE MANUFACTURING INSTITUTE/MANCHESTER, NH	12.431	138601	-	(1,079)
APPLIED RESEARCH ASSOCIATES/LEXINGTON, MA	12.431	203703	-	52,138
CORNERSTONE RESEARCH GROUP/DAYTON, OH	12.431	144466	-	29,897
HARVARD UNIVERSITY/BOSTON, MA	12.431	149204	-	209,142
MAYO CLINIC/ROCHESTER, MN	12.431	145740	-	155,306
MILLENNITEK LLC/KNOXVILLE, TN	12.431	147839	-	85,004
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.431	144627	-	113,374
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.431	146526	-	156,228
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.431	153829	-	322,013
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.431	153935	-	98,729
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.431	154076	-	179,655
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.431	202540	-	139,151
SEMI/MILPITAS, CA	12.431	152202	-	516,466
UNIVERSITY OF ARIZONA/TUCSON, AZ	12.431	138143	-	-
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
ADVANCED REGENERATIVE MANUFACTURING INSTITUTE/MANCHESTER, NH	12.630	150237	-	222,328
DREXEL UNIVERSITY/PHILADELPHIA, PA	12.630	151812	-	983
DREXEL UNIVERSITY/PHILADELPHIA, PA	12.630	152230	-	54,647
Air Force Defense Research Sciences Program				
Passed through from:				
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.800	137185	-	205,425
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.800	154252	-	186,890
Total Department of the Army			72,234,968	341,208,275
Department of the Navy				
Basic and Applied Scientific Research	12.300		5,701,952	39,421,091
Basic Scientific Research	12.431		-	5,121
Air Force Defense Research Sciences Program	12.800		-	46,007
Air Force Defense Research Sciences Program				
Passed through from:				
ADVANCED TECHNOLOGY INTERNATIONAL/SUMMERVILLE, SC	12.800	151843	-	76,790
AMERICAN MAGLEV TECHNOLOGY OF FLORIDA/MARIETTA, GA	12.800	150111	-	75,288
AVNOS/VENICE, CA	12.800	151201	-	386,352
COMBUSTION RESEARCH AND FLOW TECHNOLOGY INC / HUNTSVILLE, AL	12.800	148270	-	333,560
CORVID TECHNOLOGIES/MOORESVILLE, NC	12.800	153155	-	16,568
GEORGE MASON UNIVERSITY/FAIRFAX, VA	12.800	151580	-	104,480
PHASE IV INC/	12.800	150002	-	2,069
PHASE IV INC/	12.800	150469	-	48,633
PHOTODIGM INC/RICHARDSON, TX	12.800	146747	-	436,924
PHYSICAL SCIENCES INC/ANDOVER, MA	12.800	144173	-	(444)
PHYSICAL SCIENCES INC/ANDOVER, MA	12.800	153043	-	12,104
PRINCETON UNIVERSITY/PLAINSBORO, NJ	12.800	139906	-	133,207
QORVO TEXAS LLC/RICHARDSON, TX	12.800	150292	-	237,569
TUFTS UNIVERSITY/MEDFORD, MA	12.800	133388	-	(2,883)
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	12.800	140112	-	57,521
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	12.800	150637	-	(9,451)
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	12.800	154088	-	100,465
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	12.800	201940	-	101,239
UNIVERSITY OF CONNECTICUT/STORRS, CT	12.800	137287.000	-	47,607
UNIVERSITY OF FLORIDA/	12.800	207346	-	38,060
UNIVERSITY OF FLORIDA/	12.800	207347	-	11,367
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	12.800	145754	-	107,481
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	12.800	152610	-	18,909
UNIVERSITY OF SOUTH CAROLINA/COLUMBIA, SC	12.800	152175	-	8,832
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	12.800	138761	-	56,639
VIRGINIA TECH/BLACKSBURG, VA	12.800	154031	-	126,719
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	12.630	151712	-	123,154
UNIVERSITY OF CONNECTICUT/STORRS, CT	12.630	154239	-	94,813
UNIVERSITY OF TENNESSEE/	12.630	202070	-	6,196
Total Department of the Navy			5,701,952	42,221,987
Department of the Air Force				
Basic and Applied Scientific Research	12.300		9,341,596	32,225,728
Basic Scientific Research	12.431		918,867	1,938,317
Basic, Applied, and Advanced Research in Science and Engineering	12.630		-	7,053,713
Air Force Defense Research Sciences Program	12.800		93,315,788	328,194,594
Basic and Applied Scientific Research				
Passed through from:				
CORNELL UNIVERSITY/ITHACA, NY	12.300	210243	-	26,356
SPACE DYNAMICS LAB	12.300	CP0084801	-	307,692

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Scientific Research - Combating Weapons of Mass Destruction				
Passed through from:				
CORNELL UNIVERSITY/ITHACA, NY	12.351	148069	\$ -	\$ 78,602
DOD, NDEP, DOTC-STEM Education Outreach Implementation				
Passed through from:				
UNIVERSITY SPACE RESEARCH ASSOC/	12.560	149936	-	234,418
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
BOOZ, ALLEN AND HAMILTON INC	12.630	204581	-	154,173
Air Force Defense Research Sciences Program				
Passed through from:				
ADVANCED TACTICS INC/TORRANCE,CA	12.800	149294	-	45,610
ADVANCED TACTICS INC/TORRANCE,CA	12.800	149295	-	30,946
AMERICA MAKES/YOUNGSTOWN, OH	12.800	148580	-	382,587
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	149835	-	296
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	151818	-	(1)
ASSURED INFORMATION SECURITY INC/ROME, NY	12.800	AWARD_CONTRACT-3-10507	-	6,410
ATOMIC-6 INC/MARIETTA, GA	12.800	151835	-	139,333
AZIMUTH CORPORATION/BEAVERCREEK, OH	12.800	152193	-	91,200
BALL AEROSPACE SYSTEMS DIV/BOULDER, CO	12.800	150468	-	34,354
BIOMADE/MINNEAPOLIS, MN	12.800	148809	-	16,404
BOOZ, ALLEN AND HAMILTON INC	12.800	149318	-	156,173
BRYKA SKYSTOCKS LLC/NEWINGTON, CT	12.800	151143	-	16,489
BUSEK CO INC/NATICK, MA	12.800	153431	-	227,335
CANA LLC/GAINESVILLE, VA	12.800	205860	-	10,274
ENIG AND ASSOCIATES INC/ROCKVILLE, MD	12.800	149440	-	(6,152)
ENIG AND ASSOCIATES INC/ROCKVILLE, MD	12.800	149738	-	47,416
FLEXTech ALLIANCE INC/SAN JOSE, CA	12.800	148695	28,796	94,234
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	12.800	137655	-	23,054
HONEYWELL INC/	12.800	153960	-	174,293
INFOSCITEX CORPORATION/ DAYTON, OH	12.800	149418	-	175,807
INNOVATIVE SCIENTIFIC SOLUTIONS INC (ISSI)/DAYTON, OH	12.800	148586	-	176,193
INNOVATIVE SCIENTIFIC SOLUTIONS INC (ISSI)/DAYTON, OH	12.800	149802	-	54,136
LINCOLN LABORATORY/MASSACHUSETTS INST OF TECH	12.800	152655	-	50,518
LINQUEST CORPORATION/HERNDON, VA	12.800	151292	-	396,294
LINQUEST CORPORATION/HERNDON, VA	12.800	151375	-	7,317
LONG WAVE INC/OKLAHOMA CITY, OK	12.800	146549	-	91,301
LUNA INNOVATIONS/BLACKBURG, VA	12.800	140668	-	87,764
LYNNTECH INC/ COLLEGE STATION, TX	12.800	148326	-	42,382
NEXTFLEX/SAN JOSE, CA	12.800	147942	22,166	23,805
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	12.800	140793	-	91,379
OEWAVES INC./PASADENA, CA	12.800	152052	-	42,596
OHIO STATE UNIVERSITY/COLUMBUS, OH	12.800	AWARD_CONTRACT-3-12063	-	38,408
PARTWORKS/ATLANTA, GA	12.800	149951	-	194,883
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	12.800	133326	-	(8,023)
SPACE DYNAMICS LAB	12.800	149425	-	227,123
SPECTRAL ENERGIES LLC / DAYTON, OH	12.800	206281	-	49,435
SPECTRAL ENERGIES LLC / DAYTON, OH	12.800	208301	-	36,367
SPECTRAL ENERGIES LLC / DAYTON, OH	12.800	209524	-	5,000
TECHNOLOGY HOLDING LLC/SALT LAKE CITY,UT	12.800	148364	-	99,086
THE FLORIDA INSTITUTE FOR HUMAN & MACHINE COGNITION (IHMC)/PENSACOLA, FL	12.800	152585	-	309,794
UES INC/DAYTON, OH	12.800	150427	-	80,023
UES INC/DAYTON, OH	12.800	150466	-	67,789
UES INC/DAYTON, OH	12.800	152385	-	200,000
UES INC/DAYTON, OH	12.800	152875	-	375,324
UES INC/DAYTON, OH	12.800	153297	-	392,729
UES INC/DAYTON, OH	12.800	202360	-	268,282
UNIVERSITY OF BUFFALO/AMHERST, NY	12.800	148750	-	111,385
UNIVERSITY OF COLORADO/BOULDER, CO	12.800	148305	-	73,307
UNIVERSITY OF COLORADO/BOULDER, CO	12.800	202163	-	96,520
UNIVERSITY OF FLORIDA/	12.800	207341	-	105,867
UNIVERSITY OF FLORIDA/	12.800	207350	-	38,060
UNIVERSITY OF TEXAS AT EL	12.800	226030272C	-	55
VERUS RESEARCH/ALBUQUERQUE, NM	12.800	150226	-	1,519
VERUS RESEARCH/ALBUQUERQUE, NM	12.800	152774	-	101,618
WHISPER AERO/CROSSVILLE,TN	12.800	148689	-	127,311
Total Department of the Air Force			103,627,213	375,935,202
Department of Defense				
Basic and Applied Scientific Research	12.300		-	308,979
Scientific Research - Combating Weapons of Mass Destruction	12.351		-	908
Military Medical Research and Development	12.420		-	76,106
Basic Scientific Research	12.431		-	245,843
Basic, Applied, and Advanced Research in Science and Engineering	12.630		12,935,197	133,233,105
Air Force Defense Research Sciences Program	12.800		-	29,351
Research and Technology Development	12.910		2,660,261	4,612,482
Basic and Applied Scientific Research				
Passed through from:				
ADVANCED TECHNOLOGY INTER	12.300	N660012291010	-	310,787
AMEWAS INC	12.300	PO23-00633	-	(3,307)
AMEWAS/CALIFORNIA MD	12.300	PO23-00866	-	27,396
AMEWAS/CALIFORNIA MD	12.300	PO23-00902	-	66,674
AMEWAS/CALIFORNIA MD	12.300	PO23-00906	-	195,655

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
BAE SYSTEMS	12.300	1177635	\$ -	\$ 52,838
BNNT LLC/NEWPORT NEWS VA	12.300	GTARC 153885 DTD 6-29-2023	-	32,991
BOOZ, ALLEN, & HAMILTON	12.300	A7590	-	(2,332)
Dynetics, A Leidos	12.300	DI-SC-19-40/TO 0001	-	16,671
Dynetics, A Leidos	12.300	DISC2191SBTJ00021	-	-
Dynetics, A Leidos	12.300	HMM40219D0023	-	10,518
Dynetics, A Leidos	12.300	SBMB00009	-	423
Dynetics, A Leidos	12.300	SBSU00007	-	329,406
ENVISIONEERING INC	12.300	S20-16	-	455,797
ENVISIONEERING INC	12.300	S22-02	-	(144)
J.F. TAYLOR INC/GREAT MII	12.300	5915.005	-	674,607
J.F. TAYLOR INC/GREAT MII	12.300	JFT-47QF-04	-	424,188
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	12.300	1506656	-	44,664
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	12.300	152630	-	63,220
JOHNS HOPKINS UNIV	12.300	174646	-	(57)
LEIDOS INC	12.300	141240	-	8,421
LEIDOS INC	12.300	P010290775	-	262,027
LEIDOS INC/MCLEAN, VA	12.300	141543	-	33,027
LUNA LABS USA LLC	12.300	3602-NVY-2S/GTRI	-	37,778
MATERIALS TECHNOLOGIES CO	12.300	AGMT DTD 12-02-2021	-	11
Mercury Mission Systems	12.300	PO22-1182	-	223,202
Mercury Mission Systems	12.300	POC# 10201-GTRI	-	159,763
NEW DIRECTIONS TECHNOLOGI	12.300	NDTI-5275-23-0407-02	-	23,723
NORTHROP CORP	12.300	SP00116946	-	284
PURDUE UNIV	12.300	13000648-032	-	13
RAYTHEON COMPANY INDIANAP	12.300	4202675433	-	183,213
R-DEX SYSTEMS/ MARIETTA,	12.300	GTARC 151204 DTD 2-7-2023	-	34,128
R-DEX SYSTEMS/ MARIETTA,	12.300	GTARC 151242 DTD 9-16-2022	-	(1,370)
SAIC	12.300	P010260127	-	256,656
TEKLA RESEARCH INC	12.300	TRI-23-010	-	104,086
UNIV OF SO CA	12.300	127224382	-	25,789
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.300	147597	-	372,164
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.300	147626	187,500	402,058
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.300	149803	38,401	482,261
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.300	M2200275	-	183,296
UNIVERSITY OF MISSOURI	12.300	00124016/00072925	-	55,287
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	12.300	140323	-	(1,237)
VIASAT INC	12.300	4208464	-	460,469
WECOSO, INC., DBA WEST COAST SOLUTIONS/HUNTINGTON BEACH, CA	12.300	153046	-	44,078
Naval Medical Research and Development				
Passed through from:				
HENRY M JACKSON FDN FOR THE ADVANCEMENT OF MILITARY MEDICINE/ BETHESDA, MD	12.340	204633	-	27,496
Basic Scientific Research				
Passed through from:				
ADVANCED TECHNOLOGY INTER	12.431	2017-311A PA 5	10,264	190,629
AUGUSTUS AEROSPACE CO/ LO	12.431	GTARC 146761 DTD 2/17/2021	-	4
CARNEGIE MELLON	12.431	1990785-454320	-	164,345
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	12.431	202348	-	122,338
CASE WESTERN RESERVE UNIVERSITY/CLEVELAND, OH	12.431	148746	-	1,269
DHPC TECHNOLOGIES INC	12.431	PO-0028311	-	412,432
EARTHLY DYNAMICS CORP	12.431	20230004	-	33,348
EARTHLY DYNAMICS CORP	12.431	AGMT DTD 10/27/2021	-	215
FAMU	12.431	C-5159	-	101,254
GEN ELEC CORP RES & DEVL	12.431	401153380	-	48,322
GEN ELEC CORP RES & DEVL	12.431	401153817	-	-
GIRD SYSTEMS INC	12.431	420021018CF40	-	7,097
Honeywell Federal Manufac	12.431	N000521362	-	21,501
JOHNS HOPKINS UNIV/BALTIMORE, MD	12.431	148401	-	207,272
METTLE OPS/STERLING HEIGH	12.431	PO 939	-	4,585
RADIANCE TECHNOLOGIES	12.431	18S-1329	-	2,323
RAYTHEON INTELLIGENCE & S	12.431	45202781869	-	28,017
R-DEX SYSTEMS/ MARIETTA,	12.431	GTARC 149029 DTD 6-21-2022	-	373,777
REPUBLIC MISSION SYSTEMS	12.431	AGMT DTD 11/17/2022	-	44,262
REPUBLIC MISSION SYSTEMS	12.431	Agreement Dated 3/12/2024	-	56,586
SCIENTIFIC RES	12.431	SR20201820	-	-
SCIENTIFIC RES	12.431	SR20210264	-	3,677
SCIENTIFIC RES	12.431	SR20220019	-	152,818
SCIENTIFIC RES	12.431	SR20220089	-	6,887
SCIENTIFIC RES	12.431	SR20231674	-	2,760
SCIENTIFIC RES	12.431	SR20232365	-	4,683
STEVENS INST OF TECH	12.431	2103650-01	-	36,766
TEXAS ENGINEERING STATION-TAMU/COLLEGE STATION, TX	12.431	149615	-	131,123
UNIVERSITY OF MICHIGAN/	12.431	152595	-	14,798
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	12.431	136331	-	245,972
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
APT REARCH INC/HUNTSVILLE, AL	12.630	209180	-	645
BAE SYSTEMS	12.630	1115682	-	187
BAE SYSTEMS	12.630	1186111	-	679,211
BAE SYSTEMS	12.630	1197277	-	65,793
BAE SYSTEMS/BURLINGTON MA	12.630	1017356	-	243,291
BAE SYSTEMS/BURLINGTON MA	12.630	1125267	-	491,104
BAE SYSTEMS/NASHUA, NH	12.630	AWARD_CONTRACT-3-11087	-	263,781
BALL AERO	12.630	24JP00001	-	146,783

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
BLUEHALO LLC/HUNTSVILLE,	12.630	0000021855	\$ -	\$ 7,704
BOOZ, ALLEN, & HAMILTON	12.630	A26456	-	647,943
BOOZ, ALLEN, & HAMILTON	12.630	S90016BAH	-	506
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	12.630	146531	-	31,445
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	12.630	203961	-	140,546
CHARLES RIVER ANALYTICS INC / CAMBRIDGE, MA	12.630	151070	-	399,893
CONSORTIUM MANAGEMENT GRO	12.630	N613402390003	-	91,231
DEFENSEWERX-ICEWERX/NICEV	12.630	AGMT DTD 10/23/23	-	56,410
DEFENSEWERX-ICEWERX/NICEV	12.630	AGMT DTD 7/14/2023	-	101,085
DRAPER LABORATORY	12.630	SC001-0000001394	-	329,156
Dynetics, A Leidos	12.630	DI-SC-15-05 TO 10	-	1,943
Dynetics, A Leidos	12.630	DISC2091	-	53,850
Dynetics, A Leidos	12.630	DI-SC-20-91	-	491,989
Dynetics, A Leidos	12.630	DI-SC-20-91 TO 10	-	133,794
Dynetics, A Leidos	12.630	DI-SC-20-91 TO 9	-	102,388
Dynetics, A Leidos	12.630	DI-SC-20-91, TO 11	-	81,690
Dynetics, A Leidos	12.630	DI-SC-20-91, TO 12	-	40,135
Dynetics, A Leidos	12.630	DI-SC-20-91-D9046	-	1,345
Dynetics, A Leidos	12.630	DI-SC-20-91-DA029	-	236,285
Dynetics, A Leidos	12.630	DI-SC-21-60	-	249,745
Dynetics, A Leidos	12.630	DI-SC-21-60 SBSU0012	-	234,228
Dynetics, A Leidos	12.630	PO SB80027	-	807
Dynetics, A Leidos	12.630	SB800046	-	122
EPIRUS INC/SEGUNDO, CA	12.630	149024	-	314,016
FLORIDA DEPARTMENT OF LAW	12.630	FDLE-003-22	-	252,236
GEORGIA DEPT OF TRANSPORTATION	12.630	153309	-	8,954
GEORGIA DEPT OF TRANSPORTATION	12.630	153383	-	32,741
GEORGIA DEPT OF TRANSPORTATION	12.630	153384	-	22,234
GEORGIA DEPT OF TRANSPORTATION	12.630	153385	-	36,509
GEORGIA DEPT OF TRANSPORTATION	12.630	203601	-	23,994
GEORGIA DEPT OF TRANSPORTATION	12.630	205722	-	8,191
GEORGIA DEPT OF TRANSPORTATION	12.630	208000	-	17,601
GEORGIA DEPT OF TRANSPORTATION	12.630	209137	-	12,465
GEORGIA DEPT OF TRANSPORTATION	12.630	RP 23-23	-	498,948
HUMAN SYSTEMS INTEGRATION INC/WALPOLE, MA	12.630	151247	-	36,998
HYPERCOMP INC/WESTLAKE VILLAGE, CA	12.630	153601	-	52,437
IEM INC/BATON ROUGE, LA	12.630	AGR 2013-002	-	111
INFORMATION SCIENCE INSTI	12.630	136299980	-	-
INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.630	201501	-	110,283
INTEL CORPORATION/	12.630	141553	-	608,729
INTELLIGENT AUTOMATION IN	12.630	2509-1	17,384	4,379,490
ISLAND CREEK ASSOCIATES	12.630	PO-19C0618-02 REV 01	-	81,559
JACOS SVERDRUP ADVANCE SY	12.630	1153-01-00-06	-	8,972
JOHNS HOPKINS UNIV/BALTIMORE, MD	12.630	145742	-	132,312
JT4-LLC/LAS VEGAS, NV	12.630	2021JW5124	-	80,917
JT4-LLC/LAS VEGAS, NV	12.630	4021GT3098	-	(5)
KARAGOZIAN AND CASE STRUCTURAL ENGINEERS/GLENDALE, CA	12.630	202093	-	54,820
KARAGOZIAN AND CASE STRUCTURAL ENGINEERS/GLENDALE, CA	12.630	211511	-	84,574
KBR/COLORADO SPRINGS, CO	12.630	P000064702	-	416,753
KBR/COLORADO SPRINGS, CO	12.630	P000075240	-	5,267
KBRWYLE/HUNTSVILLE, AL	12.630	14354.001.001.03	-	2,862
KBRWYLE/HUNTSVILLE, AL	12.630	HHM40221D0150	-	115,170
KBRWYLE/HUNTSVILLE, AL	12.630	HV05000019	-	1,017,587
KBRWYLE/HUNTSVILLE, AL	12.630	P000045115	-	(3,496)
KBRWYLE/HUNTSVILLE, AL	12.630	P000067689	-	739,770
KONTRON AMERICA INC	12.630	4500125358	-	(18)
LEIDOS INC	12.630	P010192863	-	(107)
LEIDOS INC	12.630	P010264877	-	49,505
LEIDOS INC	12.630	P010280566	-	657,236
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	12.630	204325	-	51,832
LOCKHEED MARTIN	12.630	151533	-	337,657
LOCKHEED MARTIN CORP	12.630	1010121	-	831
LOCKHEED MARTIN CORP	12.630	6574055372	-	(2,381)
MACAULAY-BROWN	12.630	DSC2134-01	-	340
MATRIX RESEARCH AND ENGIN	12.630	FA8650-23-C-1067	-	15,942
MXD (MANUFACTURING X DIGI	12.630	2023-24	32,600	165,156
NEW YORK UNIVERSITY/NEW YORK, NY	12.630	151814	-	211,183
NORTHROP GRUMMAN	12.630	5300101595	-	16,206
NORTHROP GRUMMAN SYS CORP	12.630	5300029642	-	371,607
NORTHROP GRUMMAN SYS CORP	12.630	PO#5300010064	-	16,282
NORTHROP GRUMMAN SYSTEMS	12.630	PO No. 1012395827	-	71,664
NORTHROP GRUMMAN/BALTIMORE, MD	12.630	148982	-	104,282
NORTHWESTERN UNIVERSITY/EVANSTON, IL	12.630	148870	31,037	308,568
NuWave Solutions LLC	12.630	IDIQ TO DTD 6/1/2022	-	3,222
NuWave Solutions LLC	12.630	IDIQ TO DTD 7/22/2023	-	42,146
OAK RIDGE ASSOCIATED UNIV/OAK RIDGE, TENNESSEE	12.630	152689	-	3,196
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	12.630	153084	-	75,548
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	12.630	202965	-	63,423
PERSPECTA ENGINEERING INC	12.630	PO-0049862	-	260,248
PHYSICAL SCIENCES INC.	12.630	SC-4566-170221-013-001	-	-
RAYTHEON	12.630	145618	-	-
RAYTHEON	12.630	4202392548	-	23,195
RAYTHEON INTELLIGENCE & S	12.630	LTR DTD 31-OCT-2022	-	889,989
RESONANT SCIENCES LLC	12.630	10452	-	2,158

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
RESONANT SCIENCES LLC	12.630	ACL-EM-22-P14817	\$ -	\$ 3,957
ROCKWELL COLLINS	12.630	PO 4507393359	-	(128)
SAAB INC/EAST SYRACUSE NY	12.630	PO61876	-	58,781
SANDIA NATL LAB	12.630	2078144	-	17
SANDIA NATL LAB	12.630	2587493	-	8,299
SCIENTIFIC RES	12.630	SR20231712	-	59,419
SCIENTIFIC RES	12.630	SR20232390	-	172,835
SECURIGENCE/LEESBURG,VA	12.630	0000000632	-	33,349
SIERRA NEVADA CORPORATION	12.630	SSFNM028	-	(6,532)
SRI INTERNATIONAL/PRINCETON,NJ	12.630	151116	-	107,026
STEEL FOUNDERS SOCIETY OF AMERICA/	12.630	144564	-	56,222
STEVENS INST OF TECH	12.630	2103373-01	-	(646)
STEVENS INST OF TECH	12.630	2103417	-	65,172
STEVENS INST OF TECH	12.630	2103519-01	-	74,396
STEVENS INST OF TECH	12.630	2103543-02	-	143,110
STEVENS INST OF TECH	12.630	2103578-02	-	102,793
STEVENS INST OF TECH	12.630	2103598-01	-	191
SURVICE ENGINEERING CO	12.630	S22-155007	-	(3,578)
SYSTEM HIGH	12.630	HR001117F0001	-	467
TASK FORCE GLOBAL HEALTH	12.630	6240/3362	-	127,488
TRUSTED SCIENCE AND TECHNOLOGY/ROCKVILLE, MD	12.630	152737	-	88,129
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.630	M2201842	-	169,539
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.630	147846	15,790	37,153
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.630	HQ00342190007	-	-
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.630	M2402204	-	7,274
UNIVERSITY OF ILLINOIS	12.630	096363-17536	-	-
UNIVERSITY OF ILLINOIS/CHICAGO,IL	12.630	146038	-	181,514
UNIVERSITY OF INNSBRUCK/I	12.630	W911NF2320216	-	276,366
UNIVERSITY OF MIAMI/CORAL CABLES, FL	12.630	151502	-	30,688
UNIVERSITY OF MICHIGAN/	12.630	142153	-	1,041
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	136138	-	128
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	138689	-	(19,594)
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	139702	-	29,445
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	12.630	154213	-	121,101
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	12.630	149111	-	35,755
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	12.630	203401	-	60,250
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	12.630	204630	-	38,528
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	12.630	205063	-	6,191
WECOSO, INC., DBA WEST COAST SOLUTIONS/HUNTINGTON BEACH, CA	12.630	151109	-	52,553
XR 2 LEAD LLC/DUMFRIES, V	12.630	153822	-	118,693
ZETA ASSOCIATES INC	12.630	173118LS-GTARC-01	-	241,608
Air Force Defense Research Sciences Program				
Passed through from:				
ALION SCIENCE AND TECHNOL	12.800	SUB1157903	-	185,781
ALION SCIENCE AND TECHNOL	12.800	SUB1157903 -D9770	-	-
ALION SCIENCE AND TECHNOL	12.800	SUB1157903 RELEASE 001	245	(11,761)
ALION SCIENCE AND TECHNOL	12.800	SUB1157903-003	-	2,982,832
ALION SCIENCE AND TECHNOL	12.800	SUB1157903-D9983	-	1,312,901
ALTAMIRA TECHNOLOGIES CO	12.800	13025_001-GTRI	-	2,145
APPLIED RESEARCH SOLUTION	12.800	S03005-01	-	3,765
ASSURED INFORMATION SECUR	12.800	1159-SB	-	10,917
ASSURED INFORMATION SECUR	12.800	1161-SA	-	7,040
ATC MATERIALS/WESTLAKE OH	12.800	AGMT DTD 11-08-2019	-	(741)
BATTELLE	12.800	US001-0000832821	-	2
BINGHAMTON UNIVERSITY/BINGHAMTON, NY	12.800	147203	-	98,943
BINGHAMTON UNIVERSITY/BINGHAMTON, NY	12.800	201465	-	35,175
BOOZ, ALLEN, & HAMILTON	12.800	106445SB18/TO 3	-	1,906
BOOZ, ALLEN, & HAMILTON	12.800	A8270	-	223,267
CACI	12.800	P000105680	-	1,278,409
CACI/ ROME, NY	12.800	P000180028	-	155,429
CESIUM ASTRO/ AUSTIN, TX	12.800	AGR153702	-	299
DARK WOLF SOLUTIONS LLC	12.800	SubK5421_GTRI	-	2,190
FREEDOM PHOTONICS SANTA B	12.800	S-7200	-	63,131
GEORGIA STATE UNIVERSITY	12.800	SP00016188-02	-	59,814
INTELLIGENT WAVES LLC/RES	12.800	CS-23-0131	-	5,435
INTUITIVE RESEARCH & TECH	12.800	TE-T-GTR-001	-	293,963
KBRWYLE DAYTON/OH	12.800	P000055346	-	149,968
KBRWYLE DAYTON/OH	12.800	PO P000048819	-	33,927
L3 COMMUNICATIONS/ROCKWA	12.800	4501890959	-	528,196
LINCOLN LAB	12.800	7000472951	-	(1,354)
LOCKHEED MARTIN SPACE SYS	12.800	4105205656	-	72,700
MAP LARGE INC/ATLANTA GA	12.800	GTARC 151618 DTD 11-21-2022	-	-
MAP LARGE INC/ATLANTA GA	12.800	GTARC 153376 DTD	-	126,662
MAP LARGE INC/ATLANTA GA	12.800	GTARC 153446 DTD 08-01-2023	-	173,919
MAP LARGE INC/ATLANTA GA	12.800	NO. 153666	-	19,547
MAP LARGE INC/ATLANTA GA	12.800	No. 206780	-	66,911
MATERIALS TECHNOLOGIES CO	12.800	AGMT DTD 10-18-2021	-	-
OHIO STATE	12.800	SPC-1000011985 GR132224	-	17,672
PAR TECH CORP	12.800	PGSCSC11137414	-	(2,052)
RINCON RESEARCH CORPOR	12.800	WJR-000998	-	2,077,557
SAAB INC/EAST SYRACUSE NY	12.800	PO59783	-	(813)
SARA/CYPRESS CA	12.800	ATP DTD 2/20/19	-	27,997
SCIENTIFIC RES	12.800	SR20201140	-	-
SCIENTIFIC RES	12.800	SR20210482 (J413)	-	67,847

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
SEALING TECHNOLOGIES INC	12.800	EGLIN-05012020	\$ -	\$ 83
SMART MUNITIONS EXPERTS S	12.800	10/17/22 AGMT	-	25,474
SMART MUNITIONS EXPERTS S	12.800	3/9/2022 AGMT	-	231
STELLAR SCIENCE LTD/ALBU	12.800	201240	-	75,719
STELLAR SCIENCE LTD/ALBU	12.800	GTRC AGMT DTD 11-03-2020	-	(1)
SW RES INSTITUTE	12.800	R99054RR	-	24,370
UES INC	12.800	S-124-001-004	-	422
UNIV OF DAYTON RSCH INST	12.800	RSC22076	-	235,590
UNIVERSITY OF MICHIGAN/	12.800	152222	-	17,741
UNIVERSITY OF TEXAS AT EL VERMEER	12.800	226030272C	-	89,899
VERMEER	12.800	202461	-	2,063
WECOSO, INC., DBA WEST COAST SOLUTIONS/HUNTINGTON BEACH, CA	12.800	152050	-	40,000
WRIGHT BROTHERS INSTITUTE	12.800	WBSRA23002GTARC	-	23,616
Research and Technology Development				
Passed through from:				
DRAPER CORPORATION/	12.910	151046	-	161,021
UNIVERSITY OF COLORADO/DENVER, CO	12.910	136731	-	(11,441)
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	12.910	149067	-	247,834
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.910	148279	-	201,647
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.910	152012	-	454,581
UNIVERSITY OF WASHINGTON/SEATTLE, WA	12.910	152823	-	390,755
Total Department of Defense			15,928,679	179,747,326
Department of the Interior				
Assistance to State Water Resources Research Institutes	15.805		96,118	183,195
Earthquake Hazards Program Assistance	15.807		-	55,247
National Center for Preservation Technology and Training	15.923		-	1,667
Cooperative Research and Training Programs – Resources of the National Park System	15.945		-	37,495
Total Department of the Interior			96,118	277,604
Department of Justice				
National Institute of Justice Research, Evaluation, and Development Project Grants				
Passed through from:				
THE URBAN INSTITUTE	16.560	101749-0001-GTARC-01	-	(872)
Total Department of Justice			-	(872)
Department of Labor				
Occupational Safety and Health Susan Harwood Training Grants	17.502		-	31,326
Total Department of Labor			-	31,326
Department of State				
International Programs to Support Democracy, Human Rights and Labor	19.345		78,000	685,437
Cyberspace and Digital Policy	19.665		32,236	(96,075)
Middle East Partnership Initiative				
Passed through from:				
AMERICAN UNIVERSITY OF BEIRUT/BERIUT, LABANON	19.500	144348	-	82,484
Total Department of State			110,236	671,846
Department of Transportation				
Air Transportation Centers of Excellence	20.109		1,080,490	7,569,003
Highway Planning and Construction	20.205		-	169,844
Payments for Essential Air Services	20.901		-	6,926
Air Transportation Centers of Excellence				
Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	20.109	132631	-	(15,553)
CHATHAM AREA TRANSIT AUTHORITY(CAT)/SAVANNAH, GA	20.109	152404	-	289,661
FLORIDA INST OF TECH/	20.109	151960	-	185,219
GEORGIA DEPT OF TRANSPORTATION	20.109	148990	-	172,805
GEORGIA DEPT OF TRANSPORTATION	20.109	150622	-	874,383
GEORGIA DEPT OF TRANSPORTATION	20.109	151281	-	177,185
NATL ACADEMY OF SCIENCES/	20.109	144434	-	63,191
NATL ACADEMY OF SCIENCES/	20.109	150058	37,223	150,663
NATL ACADEMY OF SCIENCES/	20.109	153761	-	47,546
TEXAS A&M TRANSPORTATION INSTITUTE/COLLEGE STATION, TX	20.109	151905	-	36,781
THE NATIONAL ACADEMIES	20.109	151855	-	51,154
UNIVERSITY OF CALIFORNIA/DAVIS, CA	20.109	202042	-	226,607
UNIVERSITY OF FLORIDA/	20.109	139703	-	28,106
UNIVERSITY OF FLORIDA/	20.109	148920	-	27,933
UNIVERSITY OF FLORIDA/	20.109	150836	-	-
UNIVERSITY OF FLORIDA/	20.109	151899	-	5,935
UNIVERSITY OF FLORIDA/	20.109	151912	-	17,842
UNIVERSITY OF TEXAS AT ARLINGTON/ARLINGTON, TX	20.109	151458	-	38,832
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	20.109	202056	-	40,513
Highway Research and Development Program				
Passed through from:				
IOWA STATE UNIVERSITY/AMES, IA	20.200	204063	-	22,680
OKLAHOMA STATE UNIVERSITY/STILLWATER, OK	20.200	138632	-	31,837
SOUTHERN METHODIST UNIVERSITY/DALLAS, TX	20.200	202087	-	30,875
Highway Planning and Construction				
Passed through from:				
GEORGIA DEPT OF TRANSPORTATION	20.205	144811	-	82,261
GEORGIA DEPT OF TRANSPORTATION	20.205	144812	-	36,251

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
GEORGIA DEPT OF TRANSPORTATION	20.205	145582	\$ -	\$ -
GEORGIA DEPT OF TRANSPORTATION	20.205	145805	-	30,468
GEORGIA DEPT OF TRANSPORTATION	20.205	150925	-	62,263
GEORGIA DEPT OF TRANSPORTATION	20.205	150949	-	103,342
GEORGIA DEPT OF TRANSPORTATION	20.205	150950	-	46,885
GEORGIA DEPT OF TRANSPORTATION	20.205	150951	-	128,259
GEORGIA DEPT OF TRANSPORTATION	20.205	150958	-	67,361
GEORGIA DEPT OF TRANSPORTATION	20.205	151155	15,947	57,942
GEORGIA DEPT OF TRANSPORTATION	20.205	151156	-	3,677
GEORGIA DEPT OF TRANSPORTATION	20.205	152077	-	92,463
GEORGIA DEPT OF TRANSPORTATION	20.205	152198	-	85,582
GEORGIA DEPT OF TRANSPORTATION	20.205	154002	-	16,886
GEORGIA DEPT OF TRANSPORTATION	20.205	203602	-	3,030
UNIVERSITY OF CALIFORNIA/DAVIS, CA	20.205	132605	-	208,734
UNIVERSITY OF FLORIDA/	20.205	146137	-	8,929
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	20.205	141737	-	56,131
UNIVERSITY OF MARYLAND - BALTIMORE/BALTIMORE, MD	20.205	148676	-	64,448
Highway Training and Education				
Passed through from:				
UNIVERSITY OF FLORIDA/	20.215	146078	-	15,868
University Transportation Centers Program				
Passed through from:				
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY/ROLLA, MO	20.701	141379	-	45,250
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY/ROLLA, MO	20.701	144725	-	184,315
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	20.701	202057	-	140,028
Total Department of Transportation			1,133,660	11,790,341
GENERAL SERVICES ADMINISTRATION				
Other Federal Assistance	39.OFA		-	4,512
Other Federal Assistance				
Passed through from:				
Dynetics, A Leidos	39.OFA	DI-SC-16-01	-	40,058
JACOBS TECHNOLOGY INC	39.OFA	B1244010003	-	402,889
MANTECH ADVANCED SYSTEMS	39.OFA	31593-23-TM-S-28478	-	450,446
NORTHROP CORP	39.OFA	5300027015 R1	-	2,172,735
Total GENERAL SERVICES ADMINISTRATION			-	3,070,640
LIBRARY OF CONGRESS				
Affiliate Centers for the Book Programming Grants	42.014		-	52,120
Total LIBRARY OF CONGRESS			-	52,120
National Aeronautics and Space Administration				
Science	43.001		1,250,446	8,504,931
Aeronautics	43.002		1,769,412	3,718,856
Exploration	43.003		71,815	107,757
Office of Stem Engagement (OSTEM)	43.008		535,361	1,210,771
Space Technology	43.012		2,689,731	4,841,993
Science				
Passed through from:				
ANALYTICAL MECHANICS ASSOCIATES INC/HAMPTON, VA	43.001	153778	-	1,085,620
ANALYTICAL MECHANICS ASSOCIATES INC/HAMPTON, VA	43.001	153828	-	462,966
ANALYTICAL MECHANICS ASSOCIATES INC/HAMPTON, VA	43.001	201923	31,800	411,946
ANALYTICAL MECHANICS ASSOCIATES INC/HAMPTON, VA	43.001	202444	-	185,197
ARIZONA STATE UNIVERSITY/TEMPE, AZ	43.001	153221	-	13,464
BAY AREA ENVIRONMENTAL R	43.001	AGMT DTD 7/14/2022	-	(4,663)
CONTINUUM DYNAMICS INC/EWING, NJ	43.001	146215	-	17,076
CORNELL UNIVERSITY/ITHACA, NY	43.001	150338	-	196,349
DARTMOUTH COLLEGE/HANOVER, NH	43.001	146703	-	15,214
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	43.001	149613	-	159,792
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	43.001	149625	-	275,661
GLOBAL TECHNOLOGY CONNECTIONS/ATLANTA, GA	43.001	151283	-	48,432
HONEYBEE ROBOTICS/LONGMONT, CO	43.001	154079	-	1,273
JACOBS ENGINEERING GROUP	43.001	153290	-	81,475
JACOBS ENGINEERING GROUP	43.001	153458	-	93,679
JACOBS ENGINEERING GROUP	43.001	J2N33319FMS	-	53,202
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	152359	-	16,156
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	152863	-	167,031
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	209890	-	49,865
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	210186	-	14,035
JET PROP LAB	43.001	1665462	-	5,596
JET PROP LAB	43.001	1695984	-	192,992
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	140616	-	7,406
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	144911	-	36,329
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	149897	-	146,669
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	149941	-	139,205
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	153200	-	39,595
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	201541	-	33,402
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	43.001	208585	-	48,599
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	43.001	146406	-	82,763
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	43.001	146523	-	108,899
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	146318	-	8,694
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	43.001	146532	-	643,447

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PHYSICAL SCIENCES INC/ANDOVER, MA	43.001	150553	\$ -	\$ (12,038)
PLASMA PROCESSES INC/ HUNTSVILLE, AL	43.001	146119	-	7,905
SOUTHWEST RESEARCH INSTITUTE/	43.001	100533	-	279,642
SPACE DYNAMICS LAB	43.001	144823	-	31,194
SPACE DYNAMICS LAB	43.001	CP0065524	-	(227)
SPACE TELESCOPE SCIENCE INSTITUTE	43.001	145328	-	92,783
SPELMAN COLLEGE/ATLANTA, GA	43.001	152587	-	3,581
TEAMSCAPE LLC/OAKLAND, CA	43.001	208861	-	17,070
UNIVERSITY OF ARIZONA/TUCSON, AZ	43.001	123194	-	14,562
UNIVERSITY OF ARIZONA/TUCSON, AZ	43.001	136592	-	51,607
UNIVERSITY OF CALIFORNIA RIVERSIDE/RIVERSIDE, CA	43.001	144500	-	213,408
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	43.001	143845	-	26,454
UNIVERSITY OF CENTRAL FLORIDA/	43.001	149624	-	332,559
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	43.001	152182	-	209,798
UNIVERSITY OF SOUTHERN CALIFORNIA/LOS ANGELES,CA	43.001	149280	-	81,570
VANDERBILT UNIVERSITY/NASHVILLE, TN	43.001	146900	-	105,456
XANALYTIX SYSTEMS LLC/CLARENCE CENTER, NY	43.001	153135	-	34,983
Aeronautics				
Passed through from:				
CROWN CONSULTING INC/ARLINGTON,VA	43.002	137186	-	61,067
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	141362	-	60,921
NORTH CAROLINA A&T STATE UNIV/GREENSBORO, NC	43.002	144031	-	448,065
STANFORD UNIVERSITY/STANFORD, CA	43.002	144059	-	289,864
Office of Stem Engagement (OSTEM)				
Passed through from:				
PRAIRIE VIEW A&M UNIVERSITY/PRAIRIE VIEW, TEXAS	43.008	140755	-	158,543
Space Technology				
Passed through from:				
AUBURN UNIVERSITY/AUBURN, ALABAMA	43.012	149219	-	265,564
BAYLOR UNIVERSITY/WACO, TX	43.012	152452	-	27,919
MICHIGAN TECHNOLOGICAL UNIVERSITY/HOUGHTON, MICH	43.012	133760	-	-
UNIVERSITY OF CALIFORNIA/DAVIS, CA	43.012	140287	-	602,345
Total National Aeronautics and Space Administration			6,348,565	26,626,269
The National Endowment for the Humanities				
Promotion of the Humanities Office of Digital Humanities	45.169		-	22,350
Promotion of the Humanities Division of Preservation and Access				
Passed through from:				
UNIV OF GEORGIA	45.149	SUB00001681	-	(181)
Total The National Endowment for the Humanities			-	22,169
National Science Foundation				
Engineering	47.041		5,993,163	28,950,081
Mathematical and Physical Sciences	47.049		467,726	11,828,812
Geosciences	47.050		1,639,984	6,840,396
Computer and Information Science and Engineering	47.070		4,379,796	21,617,367
Biological Sciences	47.074		476,308	5,181,454
Social, Behavioral, and Economic Sciences	47.075		41,440	1,381,586
STEM Education (formerly Education and Human Resources)	47.076		725,311	10,425,339
Polar Programs	47.078		-	421,317
Office of International Science and Engineering	47.079		-	251,019
Integrative Activities	47.083		-	952,687
NSF Technology, Innovation, and Partnerships	47.084		-	243,476
Engineering				
Passed through from:				
AMERICAN SOCIETY FOR ENG EDU/WASHINGTON, DC	47.041	152353	-	136,902
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.041	126423	-	610,951
AudioT	47.041	204801	-	22,874
BARNARD COLLEGE/NEW YORK, NY	47.041	138049	-	23,409
BSCS SCIENCE LEARNING/COLORADO SPRINGS, CO	47.041	146667	-	25,523
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	47.041	151643	-	(8,654)
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	47.041	153501	-	58,251
CLEMSON UNIVERSITY/CLEMSON, SC	47.041	205346	-	24,653
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.041	203960	-	38,420
CORNELL UNIVERSITY/ITHACA, NY	47.041	150615	-	112,906
CORNELL UNIVERSITY/ITHACA, NY	47.041	210805	-	68,556
CORNELL UNIVERSITY/ITHACA, NY	47.041	210885	-	65,031
CytoRecovery	47.041	202560	-	107,954
DIGITAL PROMISE/WASHINGTON, DC	47.041	201966	-	2,043
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	47.041	148079	-	135,339
GEORGE MASON UNIVERSITY/FAIRFAX, VA	47.041	201967	-	15,696
GEORGE WASHINGTON UNIVERSITY/WASHINGTON, DC	47.041	139628	-	(4,385)
HACKS HACKERS INC	47.041	49100421C0037	-	26,405
Internet2	47.041	203040	-	16,145
JOHNS HOPKINS UNIV/BALTIMORE, MD	47.041	202150	-	28,969
MISSISSIPPI STATE UNIVERSITY/MISSISSIPPI STATE, MS	47.041	146546	-	20,835
NORTH CAROLINA A&T STATE UNIV/GREENSBORO, NC	47.041	147546	-	2,410
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	47.041	147506	-	19,394
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	47.041	151891	-	2,873
PRINCETON UNIVERSITY/PLAINSBORO, NJ	47.041	149622	-	100,353
ROTOYE LLC/MARIETTA, GA	47.041	151619	-	80,771
STANFORD UNIVERSITY/STANFORD, CA	47.041	151486	-	125,974

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TEXAS A&M ENGINEERING EXPERIMENT STATION/COLLEGE STATION, TEXAS	47.041	205138	\$ -	\$ 13,845
TEXAS TECH UNIVERSITY/LUBBOCK, TX	47.041	148099	-	470,434
THE UNIVERSITY OF CENTRAL FLORIDA BOARD OF TRUSTEES/ORLANDO, FL	47.041	153641	-	28,904
UNIVERSITY OF CALIFORNIA/IRVINE, CA	47.041	151468	-	8,030
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	47.041	153660	-	48,344
UNIVERSITY OF CALIFORNIA/SANTA BARBARA, CA	47.041	151002	-	147,296
UNIVERSITY OF DELAWARE/NEWARK, DE	47.041	142779	-	-
UNIVERSITY OF GEORGIA RESEARCH FDN/ATHENS, GA	47.041	149812	-	55,500
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	145281	-	56,533
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	201290	-	21,997
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	204840	-	211,578
UNIVERSITY OF KENTUCKY RESEACH FDN/LEXINGTON, KY	47.041	145460	-	7,416
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	47.041	150903	-	163,562
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	152414	-	(181)
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	152415	-	53,399
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	152849	-	18,908
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	208804	-	12,040
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	209202	-	17,485
UNIVERSITY OF MINNESOTA/ST. PAUL, MN	47.041	201874	-	232
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	47.041	151474	-	5,039
UNIVERSITY OF SOUTH FLORIDA/TAMPA, FL	47.041	153203	-	40,695
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.041	139153	-	57,751
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.041	148067	-	117,490
UNIVERSITY OF TEXAS AT DALLAS/DALLAS, TX	47.041	153296	-	15,282
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.041	153525	-	123,897
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.041	151085	-	899,494
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.041	151988	-	216,709
VIRGINIA TECH/BLACKSBURG, VA	47.041	153670	-	65,850
VORTEX SPACE SYSTEMS/GAITHERSBURG, MARYLAND	47.041	150970	-	118,466
WASHINGTON UNIVERSITY/SAINT LOUIS, MO	47.041	152967	-	10,174
WICHITA STATE UNIVERSITY/WICHITA, KS	47.041	151482	-	47,458
Mathematical and Physical Sciences				
Passed through from:				
CORNELL UNIVERSITY/ITHACA, NY	47.049	144705	-	87,385
FURMAN UNIVERSITY/GREENVILLE, SC	47.049	143394	-	83,902
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	47.049	151837	-	94,564
UNIVERSITY OF ILLINOIS/CHICAGO, IL	47.049	152242	-	42,846
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.049	149487	-	149,971
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.049	142780	-	102,180
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.049	149786	-	154,981
Geosciences				
Passed through from:				
COLUMBIA UNIVERSITY/NEW YORK, NY	47.050	147299	-	-
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	47.050	135178	-	(1,679)
UNIVERSITY OF NEBRASKA/LINCOLN, NE	47.050	150514	-	3,791
UNIVERSITY OF TEXAS AT EL PASO/EL PASO, TX	47.050	153871	-	10,997
Computer and Information Science and Engineering				
Passed through from:				
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	145889	-	154,058
JOHNS HOPKINS UNIV/BALTIMORE, MD	47.070	146462	-	54,552
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.070	130858	-	2,299
NORTHEASTERN UNIVERSITY/BOSTON, MA	47.070	145443	-	4,736
STANFORD UNIVERSITY/STANFORD, CA	47.070	152446	-	56,147
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	47.070	145477	-	37,742
UNIVERSITY OF CALIFORNIA/SANTA BARBARA, CA	47.070	135065	-	34,393
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	134699	-	291,219
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	148420	-	3,931
UNIVERSITY OF NEW MEXICO/ALBUQUERQUE, NM	47.070	151420	-	65,264
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	47.070	141821	-	52,950
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.070	139831	-	91,442
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.070	151341	58,656	133,884
UNIVERSITY OF UTAH/SALT LAKE CITY, UT	47.070	145393	-	22,850
VIRGINIA TECH/BLACKSBURG, VA	47.070	144276	-	39,093
Biological Sciences				
Passed through from:				
CORNELL UNIVERSITY/ITHACA, NY	47.074	82640	-	180,722
UNIVERSITY OF CALIFORNIA/IRVINE, CA	47.074	152810	-	1,529
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.074	141769	-	3,756
Social, Behavioral, and Economic Sciences				
Passed through from:				
UNIVERSITY OF MICHIGAN/	47.075	140196	-	19,737
STEM Education (formerly Education and Human Resources)				
Passed through from:				
AMERICAN CHEMICAL SOCIETY	47.076	143891	-	(12,963)
BSCS SCIENCE LEARNING/COLORADO SPRINGS, CO	47.076	203065	-	11,166
DUKE UNIVERSITY/DURHAM, NC	47.076	148501	-	65,342
UNIVERSITY OF GEORGIA/ATHENS, GA	47.076	134451	-	(13,146)
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.076	140945	-	20,847
UNIVERSITY OF LOUISIANA LAFAYETTE/LAFAYETTE, LA	47.076	150148	-	8,636
WOODS HOLE OCEANOGRAPHIC INSTITUTE/WOODS HOLE, MA	47.076	147098	-	20,891
Integrative Activities				
Passed through from:				
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.083	148463	-	5,211
NSF Technology, Innovation, and Partnerships				

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Passed through from:				
LEHIGH UNIVERSITY/BETHLEHEM, PA	47.084	204804	\$ -	\$ 40,684
LEHIGH UNIVERSITY/BETHLEHEM, PA	47.084	208222	-	30,211
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.084	154219	-	17,714
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	47.084	151442	-	119
Total National Science Foundation			13,782,384	95,180,513
OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE				
Intelligence Community Centers for Academic Excellence	54.001		55,131	1,561,834
Intelligence Community Centers for Academic Excellence				
Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	54.001	148636	-	131,931
BROWN UNIVERSITY/PROVIDENCE, RI	54.001	151958	-	(4,209)
INTEL FEDERAL LLC/CHANDLER, AZ	54.001	150032	-	255,898
RAYTHEON	54.001	151589	-	257,493
SRI INTERNATIONAL/MENLO PARK, CA	54.001	150801	-	309,902
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	54.001	152825	-	21,138
Total OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE			55,131	2,533,987
Department of Veteran Affairs				
Research and Development	64.054		-	41,370
Total Department of Veteran Affairs			-	41,370
Environmental Protection Agency				
Science To Achieve Results (STAR) Research Program	66.509		12,679	236,459
Office of Research and Development Consolidated Research/Training/Fellowships	66.511		265,908	885,295
Office of Research and Development Consolidated Research/Training/Fellowships				
Passed through from:				
FLORIDA A&M UNIVERSITY/TALLAHASSEE, FL	66.511	150099	-	2,806
HEALTH EFFECTS INSTITUTE/CAMBRIDGE, MA	66.511	211106	-	9,359
UNIVERSITY OF GEORGIA/ATHENS, GA	66.511	144223	-	297,884
Total Environmental Protection Agency			278,587	1,431,803
Nuclear Regulatory Commission				
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008		-	370,731
Total Nuclear Regulatory Commission			-	370,731
Department of Energy				
Cybersecurity, Energy Security & Emergency Response (CESER)	81.008		15,470	(12,354)
Office of Science Financial Assistance Program	81.049		2,196,186	11,321,468
Conservation Research and Development	81.086		165,944	1,666,064
Renewable Energy Research and Development	81.087		417,739	2,220,513
Fossil Energy Research and Development	81.089		121,833	1,585,500
Stewardship Science Grant Program	81.112		-	179,353
Defense Nuclear Nonproliferation Research	81.113		3,162,114	4,014,671
Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistar	81.117		-	68,488
Nuclear Energy Research, Development and Demonstration	81.121		402,872	1,067,212
Electricity Research, Development and Analysis	81.122		149,895	340,773
Advanced Research Projects Agency - Energy	81.135		1,086,395	4,037,097
Office of Science Financial Assistance Program				
Passed through from:				
ADVANCED MATERIALS SCIENTIA LLC/BOTHEL, WA	81.049	151307	-	59,685
ALBANY STATE UNIVERSITY/ALBANY, GA	81.049	211084	-	15,000
AMES NATIONAL LABORATORY/AMES, IA	81.049	136283	-	9,188
AMES NATIONAL LABORATORY/AMES, IA	81.049	139090	-	17,846
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	149630	-	35,940
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	150341	-	37,172
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	151731	-	120,492
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	151836	-	154,962
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	152409	-	102,210
BATTELLE PNW	81.049	566467	-	716
BATTELLE PNW	81.049	644573	-	(1,929)
BERT THIN FILMS LLC/LOUISVILLE, KY	81.049	152691	-	94,845
BROOKHAVEN NATIONAL LAB/UPTON, NY	81.049	137719	-	44,495
CALABAZAS CREEK RESEARCH	81.049	GTRC AMT 144752 DTD012-2-2020	-	102
CONSOLIDATED NUCLEAR SECU	81.049	4300166311	-	-
CONSOLIDATED NUCLEAR SECU	81.049	4300172993	-	(133)
CONSOLIDATED NUCLEAR SECU	81.049	4300181384	78,000	550,792
CONSOLIDATED NUCLEAR SECURITY LLC/OAK RIDGE, TN	81.049	142494	-	(1,110)
CONSOLIDATED NUCLEAR SECURITY LLC/OAK RIDGE, TN	81.049	153167	-	73,131
CONSOLIDATED NUCLEAR SECURITY LLC/OAK RIDGE, TN	81.049	AWARD_CONTRACT-3-13034	-	9,408
CONTINUUM DYNAMICS INC/EWING, NJ	81.049	147072	-	125,647
CORMETECH INC/CHARLOTTE, NC	81.049	147687	-	134,389
EXTREME SCALE SOLUTIONS LLC/NEW CASTLE, DE	81.049	149855	-	79,149
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	81.049	114668	-	88,568
FLUOR MARINE PROPULSION LLC/WEST MIFFLIN, PA	81.049	140389	25,000	245,106
GCAS INCORPORATED/SAN MARCOS, CA	81.049	152167	-	(807)
GENERAL ELECTRIC TURBINE TECHNOLOGY CTR/GREENVILLE, SC	81.049	149077	-	332,388
GEORGIA DEPT OF TRANSPORTATION	81.049	147518	-	94,908
GEORGIA DEPT OF TRANSPORTATION	81.049	148153	-	152,872
GEORGIA DEPT OF TRANSPORTATION	81.049	150558	11,622	51,327

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
GEORGIA DEPT OF TRANSPORTATION	81.049	150587	\$ -	\$ 66,512
GEORGIA STATE UNIVERSITY/ATLANTA, GA	81.049	202164	-	46,111
HALLIBURTON ENERGY SERVICES/DUNCAN, OK	81.049	75899	-	257,726
HONEYWELL ELECTRONIC SYST	81.049	PO-N000049175	-	163,249
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	152157	-	77,691
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	152477	-	46,112
HONEYWELL INC	81.049	N000037174	-	571,354
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	143112	-	83,337
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	146776	-	-
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	148965	-	99,718
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	151789	-	2,878
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	153337	-	66,714
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	204383	-	34,878
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	AWARD_CONTRACT-3-8105	-	130,512
JOHNS HOPKINS UNIV/BALTIMORE, MD	81.049	142415	-	67,736
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	132395	-	(188)
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	135723	-	126,764
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	142300	-	79,607
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	144576	-	(34,610)
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	148304	-	(54,241)
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	149429	-	105,919
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	150218	-	107,878
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	150534	-	66,947
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	209931	-	23,117
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	144947	-	161,437
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	149912	-	(5,337)
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	150786	-	80,986
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	151250	-	(1)
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	152563	-	25,521
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	210183	-	8,569
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	210989	-	3,143
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	211977	-	1,819
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS, NM	81.049	146206	-	(15,615)
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS, NM	81.049	147667	-	1,705
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS, NM	81.049	147801	-	15,268
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS, NM	81.049	202462	-	49,574
LOS ALAMOS NATL	81.049	609605	-	107
LOS ALAMOS NATL	81.049	C2103-547813-CW16680-EP50639	-	(9,928)
LOS ALAMOS NATL	81.049	C33332	-	200,620
LOS ALAMOS NATL	81.049	CW19783	-	3,706,391
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	81.049	144445	-	292,207
NAECO LLC/PEACHTREE CITY	81.049	AGR DTD 12-05-2022	-	(543)
NATIONAL RENEWABLE ENERGY LAB (NREL)	81.049	153661	-	8,855
NATIONAL RENEWABLE ENERGY LAB (NREL)	81.049	207061	-	33,771
NEW YORK UNIVERSITY/NEW YORK, NY	81.049	153851	-	55,282
OSAZDA ENERGY LLC/ALBUQUERQUE, NM	81.049	140532	-	3,035
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	146368	-	122,959
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	150991	-	(3,203)
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	152233	-	33,064
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	152656	-	13,424
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	153074	-	(1,159)
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	81.049	150956	-	96,291
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	81.049	151398	-	150,357
PHILLIPS 66 CO/BARTLESVILLE, OK	81.049	145472	-	292,243
QUEST RENEWABLES LLC	81.049	203641	-	72,882
SAINT GOBAIN RARCH & DEVELOPMENT/NORTHBORO,MA	81.049	145940	-	195,256
SANDIA NATL LAB	81.049	2167910	-	1,420
SANDIA NATL LAB	81.049	2210321	-	239
SANDIA NATL LAB	81.049	2382059	-	(183)
SANDIA NATL LAB	81.049	2484695	-	25,036
SANDIA NATL LABS/SANDIA CORP	81.049	138663	-	179
SANDIA NATL LABS/SANDIA CORP	81.049	143624	-	(2,297)
SANDIA NATL LABS/SANDIA CORP	81.049	145062	-	67,575
SANDIA NATL LABS/SANDIA CORP	81.049	145554	-	28
SANDIA NATL LABS/SANDIA CORP	81.049	145786	-	(831)
SANDIA NATL LABS/SANDIA CORP	81.049	146083	-	33,276
SANDIA NATL LABS/SANDIA CORP	81.049	146140	-	19,501
SANDIA NATL LABS/SANDIA CORP	81.049	146149	-	23,883
SANDIA NATL LABS/SANDIA CORP	81.049	146500	-	(1,577)
SANDIA NATL LABS/SANDIA CORP	81.049	146975	-	2,697
SANDIA NATL LABS/SANDIA CORP	81.049	147281	-	183,614
SANDIA NATL LABS/SANDIA CORP	81.049	147895	-	165,991
SANDIA NATL LABS/SANDIA CORP	81.049	148134	-	165,958
SANDIA NATL LABS/SANDIA CORP	81.049	148743	-	144,439
SANDIA NATL LABS/SANDIA CORP	81.049	149397	-	86,677
SANDIA NATL LABS/SANDIA CORP	81.049	149587	-	54,752
SANDIA NATL LABS/SANDIA CORP	81.049	149732	-	80,860
SANDIA NATL LABS/SANDIA CORP	81.049	149860	-	266,904
SANDIA NATL LABS/SANDIA CORP	81.049	149896	-	(23,288)
SANDIA NATL LABS/SANDIA CORP	81.049	149922	-	78,078
SANDIA NATL LABS/SANDIA CORP	81.049	149938	-	106,960
SANDIA NATL LABS/SANDIA CORP	81.049	149940	-	34,552
SANDIA NATL LABS/SANDIA CORP	81.049	150216	-	11,999
SANDIA NATL LABS/SANDIA CORP	81.049	150306	-	32,710

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
SANDIA NATL LABS/SANDIA CORP	81.049	150311	\$ -	\$ 20,128
SANDIA NATL LABS/SANDIA CORP	81.049	150698	-	72,589
SANDIA NATL LABS/SANDIA CORP	81.049	151284	-	175,219
SANDIA NATL LABS/SANDIA CORP	81.049	151402	-	104,292
SANDIA NATL LABS/SANDIA CORP	81.049	151749	-	32,937
SANDIA NATL LABS/SANDIA CORP	81.049	151754	-	107,457
SANDIA NATL LABS/SANDIA CORP	81.049	151787	-	78,734
SANDIA NATL LABS/SANDIA CORP	81.049	152060	-	24,898
SANDIA NATL LABS/SANDIA CORP	81.049	152191	-	46,816
SANDIA NATL LABS/SANDIA CORP	81.049	152291	-	55,328
SANDIA NATL LABS/SANDIA CORP	81.049	152292	-	74,998
SANDIA NATL LABS/SANDIA CORP	81.049	152335	-	47,843
SANDIA NATL LABS/SANDIA CORP	81.049	152511	-	54,705
SANDIA NATL LABS/SANDIA CORP	81.049	152582	-	75,812
SANDIA NATL LABS/SANDIA CORP	81.049	152707	-	94,745
SANDIA NATL LABS/SANDIA CORP	81.049	152741	-	7,535
SANDIA NATL LABS/SANDIA CORP	81.049	152999	-	120,989
SANDIA NATL LABS/SANDIA CORP	81.049	153114	-	40,653
SANDIA NATL LABS/SANDIA CORP	81.049	153265	-	49,214
SANDIA NATL LABS/SANDIA CORP	81.049	153538	-	6,219
SANDIA NATL LABS/SANDIA CORP	81.049	153543	-	63,570
SANDIA NATL LABS/SANDIA CORP	81.049	153914	-	40,000
SANDIA NATL LABS/SANDIA CORP	81.049	153915	-	55,000
SANDIA NATL LABS/SANDIA CORP	81.049	153972	-	69,918
SANDIA NATL LABS/SANDIA CORP	81.049	154105	-	48,804
SANDIA NATL LABS/SANDIA CORP	81.049	201863	-	42,091
SANDIA NATL LABS/SANDIA CORP	81.049	201920	-	19,716
SANDIA NATL LABS/SANDIA CORP	81.049	202349	-	195,433
SANDIA NATL LABS/SANDIA CORP	81.049	202520	-	25,258
SANDIA NATL LABS/SANDIA CORP	81.049	204500	-	61,799
SANDIA NATL LABS/SANDIA CORP	81.049	204901	-	15,403
SANDIA NATL LABS/SANDIA CORP	81.049	204920	-	15,504
SANDIA NATL LABS/SANDIA CORP	81.049	206120	-	38,221
SANDIA NATL LABS/SANDIA CORP	81.049	206602	-	8,217
SANDIA NATL LABS/SANDIA CORP	81.049	207101	-	20,169
SANDIA NATL LABS/SANDIA CORP	81.049	208065	-	32,891
SANDIA NATL LABS/SANDIA CORP	81.049	208321	-	87,348
SANDIA NATL LABS/SANDIA CORP	81.049	209203	-	41,280
SANDIA NATL LABS/SANDIA CORP	81.049	210786	-	115
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/AIKEN, SC	81.049	140404	-	92,554
SAVANNAH RIVER NATIONAL LABORATORY/BATTELLE SAVANNAH RIVER ALLIANCE/ AIKEN, SC	81.049	149643	-	29,652
SAVANNAH RIVER NATIONAL LABORATORY/BATTELLE SAVANNAH RIVER ALLIANCE/ AIKEN, SC	81.049	149777	-	7,492
SAVANNAH RIVER NATIONAL LABORATORY/BATTELLE SAVANNAH RIVER ALLIANCE/ AIKEN, SC	81.049	151764	-	12,909
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	81.049	149822	-	96,489
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	148204	-	256,628
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	148914	-	25,388
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	150832	-	135,311
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	151963	-	77,009
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	151964	-	61,082
SOUTHERN COMPANY SERVICES INC / GEORGIA	81.049	143302	-	(1,509)
SPECTRAL ENERGIES LLC / DAYTON, OH	81.049	152835	-	74,876
STANFORD UNIVERSITY/STANFORD, CA	81.049	202012	-	94,377
SUSTAINABLE MANUFACTURING INNOVATION ALLIANCE CORP/WEST HENRIETTA, NY	81.049	138037	-	100,577
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	81.049	152867	-	16,298
TEXAS A&M ENGINEERING EXPERIMENT STATION/COLLEGE STATION, TEXAS	81.049	205120	-	13,820
TEXAS A&M FOUNDATION/COLLEGE STATION, TX	81.049	151813	-	258,766
UNIVERSITY OF ARIZONA/TUCSON, AZ	81.049	152557	-	109,741
UNIVERSITY OF CALIFORNIA/SANTA BARBARA,CA	81.049	153156	-	11,054
UNIVERSITY OF MICHIGAN/	81.049	150785	-	189,577
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	81.049	152423	-	167,242
UNIVERSITY OF PITTSBURGH/PITTSBURG, PA	81.049	141201	-	(5,614)
UNIVERSITY OF WASHINGTON/SEATTLE, WA	81.049	151354	-	195,743
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	81.049	143247	-	20,482
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	115531	-	10,023
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	134869	-	176,982
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	137694	-	(36,363)
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	142234	-	16,710
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	146084	-	(3,616)
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	146615	-	9,263
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	147091	-	50,037
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	148112	-	56,495
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	148287	-	107,659
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	149032	-	30,826
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	149213	-	75,081
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	151217	-	45,000
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	151471	-	7,558
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	153184	-	166,242
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	153646	-	75,284
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	204631	-	52,625
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	205280	-	13,156
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	205656	-	134,695
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	209867	-	34,752
VANDERBILT UNIVERSITY/NASHVILLE, TN	81.049	114108	-	318,357
YALE UNIVERSITY/NEW HAVEN, CT	81.049	153821	-	26,283

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
University Coal Research Passed through from: FAMU	81.057	C-5133	\$ -	\$ 926
Conservation Research and Development Passed through from: UNIVERSITY OF TENNESSEE/	81.086	144843	-	53,656
Renewable Energy Research and Development Passed through from: ARIZONA STATE UNIVERSITY/TEMPE, AZ	81.087	144353	-	33,033
BERT THIN FILMS LLC/LOUISVILLE, KY	81.087	205530	-	22,682
ELECTRIC POWER RES INST/	81.087	142407	-	64,151
ELECTRIC POWER RES INST/	81.087	153595	-	50,690
GAS TECHNOLOGY INSTITUTE/DES PAINES, IL	81.087	144984	-	169,474
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	81.087	148758	-	216,704
Fossil Energy Research and Development Passed through from: GAS TECHNOLOGY INSTITUTE/DES PAINES, IL	81.089	147642	-	407,800
GLOBAL THERMOSTAT/NEW YORK, NY	81.089	145121	-	38,960
SUSTEON/CARY,NC	81.089	152336	-	81,350
Defense Nuclear Nonproliferation Research Passed through from: UNIVERSITY OF MICHIGAN/	81.113	139589	-	243,941
Nuclear Energy Research, Development and Demonstration Passed through from: AUBURN UNIVERSITY/AUBURN, ALABAMA	81.121	147346	-	63,157
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	81.121	149112	-	14,635
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	81.121	150479	-	108,170
Advanced Research Projects Agency - Energy Passed through from: UNIVERSITY OF PITTSBURG/PITTSBURG, PA	81.135	150775	-	64,436
UNIVERSITY OF WASHINGTON/SEATTLE, WA	81.135	147292	-	241,965
Total Department of Energy			7,833,070	45,853,568
Department of Education				
National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Stud	84.015		129,873	295,870
Rehabilitation Services Independent Living Services for Older Individuals Who are Blind	84.177		-	1,007,419
Graduate Assistance in Areas of National Need	84.200		-	151,241
Centers for International Business Education	84.220		-	317,435
Magnet Schools Assistance Passed through from: CLAYTON COUNTY SCHOOL SYSTEM/FOREST PARK, GA	84.165	152387	-	266,690
Elementary and Secondary School Emergency Relief Fund Passed through from: GEORGIA STATEWIDE AFTERSCHOOL NETWORK/ATLANTA, GA	84.425U	149036	-	531,544
Total Department of Education			129,873	2,570,199
Department of Health and Human Services				
Food and Drug Administration Research	93.103		-	(1,451)
Oral Diseases and Disorders Research	93.121		407,331	1,163,928
Health Program for Toxic Substances and Disease Registry	93.161		1,868,089	5,662,818
Research Related to Deafness and Communication Disorders	93.173		338,805	722,859
Immunization Research, Demonstration, Public Information and Education Training and Clinical Skills Improvement Proj	93.185		6,006	184,987
Mental Health Research Grants	93.242		213,076	1,031,342
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		560,371	3,500,303
Trans-NIH Research Support	93.310		1,075,707	14,732,073
Research Infrastructure Programs	93.351		-	155,301
Cancer Cause and Prevention Research	93.393		-	-
Cancer Detection and Diagnosis Research	93.394		22,749	1,327,319
Cancer Treatment Research	93.395		566,854	2,644,893
Cancer Biology Research	93.396		481,335	1,633,586
Cancer Research Manpower	93.398		-	124,972
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433		577,729	2,095,768
ACL Assistive Technology	93.464		179,999	745,448
Cardiovascular Diseases Research	93.837		(119,913)	307,240
Lung Diseases Research	93.838		-	180,206
Blood Diseases and Resources Research	93.839		8,208	447,166
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		28,909	460,795
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		741,630	1,033,383
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		412,038	3,343,795
Allergy and Infectious Diseases Research	93.855		179,824	1,487,685
Biomedical Research and Research Training	93.859		94,191	8,477,490
Child Health and Human Development Extramural Research	93.865		367,482	1,257,567
Aging Research	93.866		84,057	1,440,713
Vision Research	93.867		508,066	1,502,649
International Research and Research Training	93.989		166,528	2,073,104
Birth Defects and Developmental Disabilities - Prevention and Surveillance Passed through from: TASK FORCE GLOBAL HEALTH	93.073	5605	-	37,846
Prevention of Disease, Disability, and Death by Infectious Diseases Passed through from: EMORY UNIVERSITY/ATLANTA, GA	93.084	153362	-	29,600
GA DEPT OF PUBLIC HEALTH	93.084	LK558-1845423	-	963,384

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Food and Drug Administration Research				
Passed through from:				
CHILDREN'S HOSPITAL OF PHILADELPHIA/PHILADELPHIA, PA	93.103	153317	\$ -	\$ 3,683
MASSACHUSETTS GENERAL HOSPITAL/BOSTON, MA	93.103	146213	-	168,882
Environmental Health				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.113	132635	-	(6,203)
EMORY UNIVERSITY/ATLANTA, GA	93.113	145530	-	543
EMORY UNIVERSITY/ATLANTA, GA	93.113	145943	-	64,817
EMORY UNIVERSITY/ATLANTA, GA	93.113	148031	-	99,464
EMORY UNIVERSITY/ATLANTA, GA	93.113	149575	-	318,304
UNIVERSITY OF WASHINGTON/SEATTLE, WA	93.113	149300	-	84,062
Oral Diseases and Disorders Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.121	142229	-	89,125
EMORY UNIVERSITY/ATLANTA, GA	93.121	149381	-	113,661
Health Program for Toxic Substances and Disease Registry				
Passed through from:				
COLORADO STATE UNIVERSITY/COLLINS, CO	93.161	142275	-	29,935
M S TECHNOLOGIES CORPORATION/ROCKVILLE, MD	93.161	146440	-	62,701
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	93.161	141529	-	5,884
WEILL CORNELL MEDICAL COLLEGE/NEW YORK, NY	93.161	145242	-	17,215
Research Related to Deafness and Communication Disorders				
Passed through from:				
UNIVERSITY OF TEXAS AT DALLAS/RICHARDSON, TX	93.173	139170	-	238,289
Research and Training in Complementary and Integrative Health				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.213	148796	-	223,748
Policy Research and Evaluation Grants				
Passed through from:				
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	93.239	150547	-	28,411
Mental Health Research Grants				
Passed through from:				
UNIVERSITY OF PITTSBURGH/PITTSBURGH, PA	93.242	150146	-	60,213
UNIVERSITY OF PITTSBURGH/PITTSBURGH, PA	93.242	154260	-	10,902
Occupational Safety and Health Program				
Passed through from:				
CPWR-THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING/SILVER SPRINGS, MD	93.262	153966	-	30,702
CPWR-THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING/SILVER SPRINGS, MD	93.262	154205	-	11,438
Drug Use and Addiction Research Programs				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.279	149516	-	67,113
EMORY UNIVERSITY/ATLANTA, GA	93.279	210603	-	127,391
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.279	142235	-	35,819
RTI INTERNATIONAL/ RESEARCH TRIANGLE	93.279	150291	-	2,612
Discovery and Applied Research for Technological Innovations to Improve Human Health				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.286	137167	-	2,226
EMORY UNIVERSITY/ATLANTA, GA	93.286	140838	-	77,132
EMORY UNIVERSITY/ATLANTA, GA	93.286	140839	-	(1,031)
EMORY UNIVERSITY/ATLANTA, GA	93.286	143036	-	226,290
EMORY UNIVERSITY/ATLANTA, GA	93.286	147761	-	70,254
EMORY UNIVERSITY/ATLANTA, GA	93.286	153118	-	93,785
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	93.286	153997	-	39,555
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.286	144776	-	153,820
STANFORD UNIVERSITY/STANFORD, CA	93.286	143079	-	44,317
Minority Health and Health Disparities Research				
Passed through from:				
NORTHEASTERN UNIVERSITY/BOSTON, MA	93.307	147364	-	80,892
UNIVERSITY OF UTAH/SALT LAKE CITY, UT	93.307	134990	-	354
Trans-NIH Research Support				
Passed through from:				
ADVENTHEALTH RESEARCH INSTITUTE/ORLANDO, FL	93.310	144955	-	70,298
AMERICAN ASSOCIATION ON HEALTH AND DISABILITY/ROCKVILLE, MD	93.310	153643	-	(230)
ANNOVIANT/ALPHARETTA, GA	93.310	147851	-	931
BMSEED/PHOENIX, AZ	93.310	149143	-	92,236
CELLIA SCIENCE/FAYETTEVILLE,AR	93.310	150779	-	38,455
CELLIA SCIENCE/FAYETTEVILLE,AR	93.310	152623	-	124,372
CHILDREN'S RESEARCH INSTITUTE/WASHINGTON, DC	93.310	149028	-	254,010
EMORY UNIVERSITY/ATLANTA, GA	93.310	132243	-	595,606
EMORY UNIVERSITY/ATLANTA, GA	93.310	144215	-	33,109
EMORY UNIVERSITY/ATLANTA, GA	93.310	144342	-	10,651
EMORY UNIVERSITY/ATLANTA, GA	93.310	146261	-	18,494
EMORY UNIVERSITY/ATLANTA, GA	93.310	147115	-	189,311
EMORY UNIVERSITY/ATLANTA, GA	93.310	148649	-	189,517
EMORY UNIVERSITY/ATLANTA, GA	93.310	149595	7,410	4,312
EMORY UNIVERSITY/ATLANTA, GA	93.310	149611	-	5,444
EMORY UNIVERSITY/ATLANTA, GA	93.310	149651	-	152,656
EMORY UNIVERSITY/ATLANTA, GA	93.310	150831	-	67,085
EMORY UNIVERSITY/ATLANTA, GA	93.310	151290	-	695,678
EMORY UNIVERSITY/ATLANTA, GA	93.310	151559	-	12,217
EMORY UNIVERSITY/ATLANTA, GA	93.310	152384	-	53,642
EMORY UNIVERSITY/ATLANTA, GA	93.310	152513	-	60,652
EMORY UNIVERSITY/ATLANTA, GA	93.310	152876	-	13,685

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
EMORY UNIVERSITY/ATLANTA, GA	93.310	201288	\$ -	291,113
EMORY UNIVERSITY/ATLANTA, GA	93.310	202073	-	177,390
EMORY UNIVERSITY/ATLANTA, GA	93.310	202180	-	171,206
EMORY UNIVERSITY/ATLANTA, GA	93.310	202187	-	35,656
EMORY UNIVERSITY/ATLANTA, GA	93.310	202201	-	96,271
EMORY UNIVERSITY/ATLANTA, GA	93.310	202960	-	53,323
EMORY UNIVERSITY/ATLANTA, GA	93.310	203320	-	56,129
EMORY UNIVERSITY/ATLANTA, GA	93.310	203521	-	66,295
EMORY UNIVERSITY/ATLANTA, GA	93.310	204384	-	36,770
EMORY UNIVERSITY/ATLANTA, GA	93.310	204624	-	51,982
EMORY UNIVERSITY/ATLANTA, GA	93.310	204921	-	63,026
EMORY UNIVERSITY/ATLANTA, GA	93.310	205137	-	47,923
EMORY UNIVERSITY/ATLANTA, GA	93.310	210128	-	28,192
EMORY UNIVERSITY/ATLANTA, GA	93.310	211810	-	26,495
GEORGIA DEPARTMENT OF PUBLIC HEALTH/ATLANTA, GA	93.310	148455	-	64,094
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.310	152512	-	1,948
JOHNS HOPKINS UNIV/BALTIMORE, MD	93.310	149584	-	130,137
MAYO CLINIC/ROCHESTER, MN	93.310	147965	-	73,301
MAYO CLINIC/ROCHESTER, MN	93.310	206321	-	65,456
MIRTECH INC/BROCKTON, MA	93.310	150014	-	27,580
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.310	148292	-	43,846
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.310	148662	-	42,633
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.310	150515	-	61,185
MS TECHNOLOGIES/ ROCKVILLE, MD	93.310	147901	-	44,368
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	93.310	152460	-	69,307
NORTHEASTERN UNIVERSITY/BOSTON, MA	93.310	205820	-	12,461
OPEN EPHYS/CAMBRIDGE, MA	93.310	149079	-	64,241
OREGON HEALTH & SCIENCE UNIVERSITY/PORTLAND, OR	93.310	153070	-	25
Phase AM	93.310	202569	-	186,038
RICE UNIVERSITY/HOUSTON, TEXAS	93.310	153701	-	249,132
SEATTLE CHILDRENS RESEARCH INSTITUTE, SEATTLE, WA	93.310	149114	-	163,104
SIRPANT/HUMMELSTOWN, PA	93.310	150780	-	216,505
TASK FORCE GLOBAL HEALTH	93.310	6074	-	85,757
TASK FORCE GLOBAL HEALTH	93.310	AGMT DTD 12/17/2021	-	456
TEXAS HEART INSTITUTE/HOUSTON, TX	93.310	152300	-	82,955
TEXAS TECH UNIVERSITY/LUBBOCK, TX	93.310	153071	-	9,160
THE MARCUS FOUNDATION INC./ATLANTA, GA	93.310	150371	-	308,979
UNIVERSITY OF CALIFORNIA	93.310	118211663	-	24,317
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO/SAN FRANCISCO, CA	93.310	146167	-	137,794
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	93.310	147826	-	10,276
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	93.310	152559	-	31,057
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	93.310	207621	-	61,430
UNIVERSITY OF NORTH TEXAS/FT. WORTH, TX	93.310	202168	-	116,955
UNIVERSITY OF OREGON/EUGENE, OREGON	93.310	133863	-	3
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	93.310	151551	-	125,677
UNIVERSITY OF WASHINGTON/SEATTLE, WA	93.310	150088	-	15,400
UNIVERSITY OF WASHINGTON/SEATTLE, WA	93.310	151251	-	178,382
VANDERBILT UNIVERSITY	93.310	VUMC73117	-	4
National Center for Advancing Translational Sciences				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.350	132713	-	(6,138)
EMORY UNIVERSITY/ATLANTA, GA	93.350	152577	-	437,313
EMORY UNIVERSITY/ATLANTA, GA	93.350	152852	-	131,359
EMORY UNIVERSITY/ATLANTA, GA	93.350	152988	-	20,059
NIGHTHAWK BIO INC/MORRISVILLE, NC	93.350	153333	-	81,146
Research Infrastructure Programs				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.351	143970	-	112,048
PHOTOSOUND TECHNOLOGIES INC./HOUSTON, TX	93.351	149002	-	176,568
Biomedical Advanced Research and Development Authority (BARDA), Biodefense Medical Countermeasure Development				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.360	142459	-	10,506
Nursing Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.361	153215	-	40,093
EMORY UNIVERSITY/ATLANTA, GA	93.361	153985	-	25,744
National and State Tobacco Control Program				
Passed through from:				
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	93.387	138882	-	164,370
Cancer Cause and Prevention Research				
Passed through from:				
DANA-FARBER CANCER INSTITUTE INC./BOSTON, MA	93.393	147676	-	93,376
Cancer Detection and Diagnosis Research				
Passed through from:				
NEW YORK UNIVERSITY LANGONE MEDICAL CENTER/NEW YORK, NY	93.394	142263	-	48,415
Cancer Treatment Research				
Passed through from:				
UNIVERSITY OF MICHIGAN/	93.395	136962	-	19,421
Cancer Centers Support Grants				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.397	149935	-	18,455
EMORY UNIVERSITY/ATLANTA, GA	93.397	202109	-	7,910
Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health				
Passed through from:				

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	93.421	145669	\$ -	\$ 3,694
TASK FORCE GLOBAL HEALTH	93.421	5266	-	(1,429)
ACL National Institute on Disability, Independent Living, and Rehabilitation Research				
Passed through from:				
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	93.433	150588	-	16,706
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	93.433	153205	-	154,868
Medical Assistance Program				
Passed through from:				
GA DEPT OF BEHAVIORAL HLTH AND DEVP DISABILITIES/ATLANTA,GA	93.778	151447	-	48,456
Opioid STR				
Passed through from:				
GA DEPT OF BEHAVIORAL HLTH AND DEVP DISABILITIES/ATLANTA,GA	93.788	148927	-	51,413
GA DEPT OF BEHAVIORAL HLTH AND DEVP DISABILITIES/ATLANTA,GA	93.788	205648	-	20,918
Cardiovascular Diseases Research				
Passed through from:				
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.837	148902	-	105,803
BRIGHAM AND WOMEN'S HOSPITAL/BOSTON, MA	93.837	151973	-	230,862
EMORY UNIVERSITY/ATLANTA, GA	93.837	143089	-	290
EMORY UNIVERSITY/ATLANTA, GA	93.837	148974	-	250,674
EMORY UNIVERSITY/ATLANTA, GA	93.837	150564	-	17,829
ROCHESTER INSTITUTE OF TECHNOLOGY/ROCHESTER, NY	93.837	139187	-	568
UNIVERSITY OF MARYLAND - BALTIMORE/BALTIMORE, MD	93.837	146174	-	308,011
Lung Diseases Research				
Passed through from:				
PALO ALTO VETERANS INSTITUTE FOR RESEARCH/PALO ALTO, CA	93.838	143474	-	9,295
Blood Diseases and Resources Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.839	135324	-	63,108
EMORY UNIVERSITY/ATLANTA, GA	93.839	149303	-	108,900
OREGON HEALTH & SCIENCE UNIVERSITY/PORTLAND, OR	93.839	149856	-	70,424
Arthritis, Musculoskeletal and Skin Diseases Research				
Passed through from:				
COLUMBIA UNIVERSITY/NEW YORK, NY	93.846	134179	-	-
COLUMBIA UNIVERSITY/NEW YORK, NY	93.846	148479	-	204,714
EMORY UNIVERSITY/ATLANTA, GA	93.846	143535	-	29,627
EMORY UNIVERSITY/ATLANTA, GA	93.846	153003	-	16,437
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.846	147282	-	196,902
UNIVERSITY OF OREGON/EUGENE, OREGON	93.846	142298	-	168,854
UNIVERSITY OF OREGON/EUGENE, OREGON	93.846	150457	-	204,784
Diabetes, Digestive, and Kidney Diseases Extramural Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.847	130874	-	(6,599)
EMORY UNIVERSITY/ATLANTA, GA	93.847	140990	-	(70)
EMORY UNIVERSITY/ATLANTA, GA	93.847	143052	-	49,028
EMORY UNIVERSITY/ATLANTA, GA	93.847	148788	-	225,192
EMORY UNIVERSITY/ATLANTA, GA	93.847	149931	-	8,490
EMORY UNIVERSITY/ATLANTA, GA	93.847	149932	-	17,103
EMORY UNIVERSITY/ATLANTA, GA	93.847	150404	-	120,198
EMORY UNIVERSITY/ATLANTA, GA	93.847	150761	-	26,997
EMORY UNIVERSITY/ATLANTA, GA	93.847	151382	-	9,160
EMORY UNIVERSITY/ATLANTA, GA	93.847	153044	-	6,902
EMORY UNIVERSITY-ROLLINS SCHOOL OF PUBLIC HEALTH/ATLANTA, GA	93.847	153017	-	12,724
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.847	140219	-	70,772
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.847	146949	-	25,015
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.847	148299	-	66,085
Extramural Research Programs in the Neurosciences and Neurological Disorders				
Passed through from:				
BMSEED/PHOENIX, AZ	93.853	147045	-	12,996
DREXEL UNIVERSITY/PHILADELPHIA, PA	93.853	140909	-	219,465
EMORY UNIVERSITY/ATLANTA, GA	93.853	142206	-	15,003
EMORY UNIVERSITY/ATLANTA, GA	93.853	142686	-	98,417
EMORY UNIVERSITY/ATLANTA, GA	93.853	146652	-	110,824
EMORY UNIVERSITY/ATLANTA, GA	93.853	148566	-	332,921
EMORY UNIVERSITY/ATLANTA, GA	93.853	150293	-	21,120
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	93.853	137738	-	105,847
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.853	143340	-	31,254
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	93.853	149501	-	(11,355)
Allergy and Infectious Diseases Research				
Passed through from:				
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.855	151249	-	31,603
EMORY UNIVERSITY/ATLANTA, GA	93.855	135269	-	29,247
EMORY UNIVERSITY/ATLANTA, GA	93.855	142039	-	27,808
EMORY UNIVERSITY/ATLANTA, GA	93.855	142486	-	56,384
EMORY UNIVERSITY/ATLANTA, GA	93.855	152263	-	30,929
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.855	138919	-	88,183
MAYO CLINIC/ROCHESTER, MN	93.855	149562	-	67,540
NORTHWESTERN UNIVERSITY/EVANSTON, IL	93.855	150001	-	356,890
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	93.855	139140	-	(4,311)
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	93.855	145528	-	15,656
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	93.855	149986	-	264,923
UNIVERSITY OF GEORGIA/ATHENS, GA	93.855	149465	-	18,949
UNIVERSITY OF OKLAHOMA/NORMAN, OK	93.855	143685	-	43,498
UNIVERSITY OF PITTSBURG/PITTSBURG, PA	93.855	149068	-	84,222
UNIVERSITY OF WASHINGTON/SEATTLE, WA	93.855	145286	-	95,693

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	93.855	147047	\$ -	\$ 533,604
Biomedical Research and Research Training				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.859	146409	-	11,931
EMORY UNIVERSITY/ATLANTA, GA	93.859	153391	-	20,905
HARVARD UNIVERSITY/BOSTON, MA	93.859	141507	-	139,795
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.859	144385	-	30,814
Child Health and Human Development Extramural Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.865	149904	-	57,202
JOHNS HOPKINS UNIV/BALTIMORE, MD	93.865	150355	-	64,801
INDIANA UNIVERSITY/BLOOMINGTON, IN	93.865	147656	-	139,523
EMORY UNIVERSITY/ATLANTA, GA	93.865	146941	-	166,967
Aging Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.866	151278	-	26,586
EMORY UNIVERSITY/ATLANTA, GA	93.866	147733	-	96,465
EMORY UNIVERSITY/ATLANTA, GA	93.866	146680	-	105,860
EMORY UNIVERSITY/ATLANTA, GA	93.866	150677	-	157,877
EMORY UNIVERSITY/ATLANTA, GA	93.866	151172	-	259,628
EMORY UNIVERSITY/ATLANTA, GA	93.866	149483	-	398,937
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	93.866	142988	-	17,688
MAYO CLINIC/ROCHESTER, MN	93.866	133629	-	(4)
ONECLICK.CHAT/ARLINGTON,VA	93.866	149078	-	64,032
UNIVERSITY OF ARIZONA/TUCSON, AZ	93.866	146138	-	109,432
UNIVERSITY OF MICHIGAN/	93.866	136910	-	20,114
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	93.866	139554	-	5,880
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	93.866	150744	-	21,263
WEILL CORNELL MEDICAL COLLEGE/NEW YORK, NY	93.866	138813	-	-
Vision Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.867	149485	-	4,511
EMORY UNIVERSITY/ATLANTA, GA	93.867	149913	-	138,922
EMORY UNIVERSITY/ATLANTA, GA	93.867	202401	-	45,528
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	93.867	141176	-	(792)
Preventive Health and Health Services Block Grant				
Passed through from:				
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.991	130687	-	38,830
UNIVERSITY OF LOUISVILLE/LOUISVILLE, KY	93.991	130607	-	16,356
Total Department of Health and Human Services			8,776,481	77,160,450
Department of Homeland Security				
State and Local Homeland Security National Training Program	97.005		100,845	216,778
Emergency Management Performance Grants	97.042		-	349
National Nuclear Forensics Expertise Development Program	97.130		68,750	270,099
Emergency Management Performance Grants				
Passed through from:				
RAND CORPORATION/PITTSBURGH,PA	97.042	152961	-	55,665
AUBURN UNIVERSITY/AUBURN, ALABAMA	97.042	153552	-	70,546
AUBURN UNIVERSITY/AUBURN, ALABAMA	97.042	211526	-	31,963
Centers for Homeland Security				
Passed through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	97.061	143934	-	22,569
Homeland Security Grant Program				
Passed through from:				
GEORGIA EMERGENCY MGMT & HOMELAND SECURITY AGCY/ATLANTA, GA	97.067	152642	-	3,189
Total Department of Homeland Security			169,595	671,158
Agency for International Development				
USAID Development Partnerships for University Cooperation and Development				
Passed through from:				
FHI 360/PARTNERS/DURHAM, NC	98.012	147345	187,103	1,083,103
Total Agency for International Development			187,103	1,083,103
Total Research and Development-Cluster			237,321,331	1,222,791,315
Student Financial Assistance-Cluster:				
Department of Education				
Federal Supplemental Educational Opportunity Grants	84.007		-	773,171
Federal Work-Study Program	84.033		-	293,584
Federal Pell Grant Program	84.063		-	16,481,804
Federal Direct Student Loans	84.268		-	60,980,419
Federal Perkins Loan Program -Federal Capital Contributions	84.038		-	1,812,111
Total Department of Education				80,341,089
Total Student Financial Assistance-Cluster:				80,341,089
Other Programs:				
Department of Agriculture				
Food Safety Outreach Program	10.328		6,861	234,334

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Agricultural Research Basic and Applied Research Passed through from: DAVID & LUCILE PACKARD FOUNDATION/LOS ALTOS, CA.	10.001	134277	\$ -	\$ 75,282
Total Department of Agriculture			6,861	309,616
Department of Commerce				
BUILD TO SCALE	11.024		106,874	515,180
Economic Development Technical Assistance	11.303		-	315,420
Economic Adjustment Assistance	11.307		317,775	4,138,773
Trade Adjustment Assistance for Firms	11.313		-	113,195
Climate and Atmospheric Research	11.431		-	52,272
Manufacturing Extension Partnership	11.611		-	2,968,699
Minority Business Resource Development	11.802		228,089	676,493
MBDA Business Center	11.805		90,202	394,987
			742,940	9,175,019
Economic Development Technical Assistance Passed through from: GENEDGE ALLIANCE/MARTINSVILLE, VA POLYTECHNIC UNIVERSITY OF PUERTO RICO/SAN JUAN, PUERTO RICO	11.303 11.303	138138 142798	- -	- -
Total Department of Commerce			742,940	9,175,019
Department of the Army				
Procurement Technical Assistance For Business Firms	12.002		-	846,178
Basic Scientific Research	12.431		-	19,279
Total Department of Army			-	865,457
Department of the Navy				
Basic and Applied Scientific Research	12.300		-	30,099
Total Department of Navy			-	30,099
Department of the Air Force				
Air Force Defense Research Sciences Program	12.800		-	26,229
			-	26,229
Department of Defense				
Procurement Technical Assistance For Business Firms	12.002		-	3,024
Basic, Applied, and Advanced Research in Science and Engineering	12.630		-	326,885
ROTC Language and Culture Training Grants Passed through from: INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.357	151464	-	30,631
Basic, Applied, and Advanced Research in Science and Engineering Passed through from: INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.630	201501	-	308,980
Total Department of Defense			-	669,520
Department of Labor				
Occupational Safety and Health Susan Harwood Training Grants	17.502		-	99,542
Consultation Agreements	17.504		-	1,285,463
WIOA Dislocated Worker Formula Grants Passed through from: NORTHWEST GEORGIA REGIONAL COMMISSION/ROME, GA	17.278	136211	-	102,291
Total Department of Labor			-	1,487,296
Department of State				
Environmental and Scientific Partnerships and Programs Passed through from: VENTURE WELL LLC/HADLEY, MA	19.017	210626	-	24,000
Total Department of State			-	24,000
Department of Transportation				
Highway Training and Education	20.215		-	42,268
Highway Planning and Construction Passed through from: GEORGIA DEPT OF TRANSPORTATION	20.205	145389	-	44,258
			-	86,526
National Aeronautics and Space Administration				
Science	43.001		-	23,332
Aeronautics	43.002		-	22,367
Office of Stem Engagement (OSTEM)	43.008		-	14,300
Space Technology	43.012		-	96,794
Total National Aeronautics and Space Administration			-	156,793
The National Endowment for the Humanities				
Promotion of the Arts Grants to Organizations and Individuals	45.024		-	50,000
Total The National Endowment for the Humanities			-	50,000
Small Business Administration				
Congressional Grants	59.059		-	23,916
Total Small Business Administration			-	23,916
Department of Veteran Affairs				

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal Assistance Listing Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Research and Development	64.054		\$ -	\$ 47,776
Total Department of Veteran Affairs			-	47,776
Environmental Protection Agency				
Pollution Prevention Grants Program	66.708		-	178,695
Total Environmental Protection Agency			-	178,695
Department of Energy				
Office of Science Financial Assistance Program	81.049			49,477
Defense Nuclear Nonproliferation Research	81.113			28,032
Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistar	81.117			181,550
Nuclear Energy Research, Development and Demonstration	81.121			149,858
Office of Science Financial Assistance Program				
Passed through from:				
SANDIA NATL LABS/SANDIA CORP	81.049	140152	-	17,213
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	153519	-	5,000
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	212006	-	27,074
Total Department of Energy			-	458,204
Department of Education				
National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Stud	84.015		-	1,000
Graduate Assistance in Areas of National Need	84.200		-	757,835
Innovative Approaches to Literacy; Promise Neighborhoods; Full-Service Community Schools; and Congressionally Direc	84.215		-	72,862
Gaining Early Awareness and Readiness for Undergraduate Programs				
Passed through from:				
Regents of the University System of Georgia, Board of	84.334	134124	581,694	1,439,466
Total Department of Education			581,694	2,271,163
Corporation for National and Community Service				
AmeriCorps State and National 94.006				
Passed through from:				
GEORGIA DEPARTMENT OF COMMUNITY AFFAIRS/ATLANTA, GA	94.006	154089	-	110,538
Total Corporation for National and Community Service			-	110,538
Department of Homeland Security				
State and Local Homeland Security National Training Program	97.005		431,442	610,409
Homeland Security Grant Program				
Passed through from:				
GEORGIA EMERGENCY MGMT & HOMELAND SECURITY AGCY/ATLANTA, GA	97.067	150213	-	1,245
Total Department of Homeland Security			431,442	611,654
Agency for International Development				
USAID Foreign Assistance for Programs Overseas				
Passed through from:				
VENTURE WELL LLC/HADLEY, MA	98.001	211967	-	4,218
Total Agency for International Development			-	4,218
Total Other Programs			1,762,937	16,586,719
Total Expenditures of Federal Awards			\$ 239,084,268	\$ 1,319,719,123

**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION, AND
GEORGIA INSTITUTE OF TECHNOLOGY**
NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2024

Note 1—Basis of presentation

The accompanying schedule of expenditures of federal awards includes the federal grant activity of Georgia Tech Research Corporation (“GTRC”), Georgia Tech Applied Research Corporation (“GTARC”), and Georgia Institute of Technology (“GIT”) and is presented on the accrual basis of accounting. The information in the schedule of expenditures of federal awards is presented in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (“Uniform Guidance”). Therefore, some amounts presented in this schedule of expenditures of federal awards may differ from amounts presented in or used in the preparation of the basic financial statements. Because the schedule of expenditures of federal awards presents only a selected portion of the activities of GTRC, GTARC, and GIT, it is not intended to, and does not, present either the financial position, changes in net position, or cash flows of GTRC, GTARC, and GIT.

Basis of Accounting – Expenditures reported on the schedule of expenditures of federal awards are reported on the accrual basis of accounting. Such expenditures are recognized following the cost principles contained in the Uniform Guidance; wherein certain types of expenditures are not allowable.

Indirect Cost Rate – GTRC, GTARC, and GIT have elected not to use the 10% de minimis indirect cost rate as allowed under the Uniform Guidance.

Negative Expenditures – Negative expenditures reported in the schedule of expenditures of federal awards may be the result of a correction of an expenditure which was originally posted in a prior fiscal year, such as the recording of a refund for goods or services not received. Although the current expenditures on a grant may be negative, the total of all expenditures on the grant is expected to be positive over its entire period of performance.

Note 2—Federal assistance listing numbers

Federal assistance listing numbers (“ALN”) that are available for each federal award program are indicated on the schedule of expenditures of federal awards.

Note 3—Student financial aid expenditures

Expenditures for student financial aid programs include the Federal Pell grants to students, the federal share of students’ Federal Supplemental Educational Opportunity Grant (FSEOG) program grants, the Federal Work Study (FWS) program earnings, certain other federal financial aid for students, and administrative cost allowances, where applicable. During the fiscal year ended June 30, 2024, GIT disbursed \$60,980,419 in new loans under the Federal Direct Student Loan Programs which included Federal Stafford Loans and Federal PLUS loans. The Federal Perkins Loan Program is administered directly by GIT and balances and transactions relating to the program are included in GIT’s financial statements. During the fiscal year ended June 30, 2024, GIT did not disburse new loans under the Federal Perkins Loan Program as under federal law, the authority for schools to make new Perkins Loans ended on Sept. 30, 2017. The balance of loans outstanding under the Federal Perkins Loan Program was \$1,812,111 as of June 30, 2024.

Note 4—Contingencies

These award programs are subject to financial and compliance audits by grantor agencies. The amount, if any, of expenditures that may be disallowed by the grantor agencies cannot be determined at this time, although GTRC, GTARC, and GIT expect such amounts, if any, to be immaterial.

**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION, AND
GEORGIA INSTITUTE OF TECHNOLOGY
SCHEDULE OF FINDINGS AND QUESTIONED COSTS**

YEAR ENDED JUNE 30, 2024

I. Summary of the Auditor's Results

Financial Statements – Georgia Tech Research Corporation and Georgia Tech Applied Research Corporation

The auditor's reports, dated September 12, 2024, express unmodified opinions on whether the financial statements of Georgia Tech Research Corporation and Georgia Tech Applied Research Corporation were prepared in accordance with generally accepted accounting principles ("U.S. GAAP").

No significant deficiencies were disclosed during the audit of the financial statements of Georgia Tech Research Corporation or Georgia Tech Applied Research Corporation. No material weaknesses are reported.

No instances of noncompliance material to the financial statements of Georgia Tech Research Corporation and Georgia Tech Applied Research Corporation, which would be required to be reported in accordance with *Government Auditing Standards*, were reported as a result of those audits.

Financial Statements – Georgia Institute of Technology

The state of Georgia Department of Audits and Accounts' audit report, dated December 18, 2024, expresses an unmodified opinion on whether the financial statements of Georgia Institute of Technology were prepared in accordance with U.S. GAAP.

No significant deficiencies or material weaknesses were disclosed during the audit of the financial statements of Georgia Institute of Technology in the Report of Independent Auditor on Internal Control over Financial Reporting and on Compliance and Other Matters Based on an Audit of the Financial Statements Performed in Accordance with *Government Auditing Standards* issued by the state of Georgia Department of Audits and Accounts dated December 18, 2024.

No instances of noncompliance material to the financial statements of Georgia Institute of Technology, which would be required to be reported in accordance with *Government Auditing Standards*, were reported as a result of the state of Georgia Department of Audits and Accounts audit for the year ended June 30, 2024.

Federal Awards

The auditor's report on compliance for the major federal award programs for Georgia Tech Research Corporation, Georgia Tech Applied Research Corporation, and Georgia Institute of Technology expresses an unmodified opinion on all major programs.

Findings identified in a Georgia Institute of Technology's Department of Internal Audit fiscal year 2024 audit report is reported as a significant deficiency in internal control over major federal award programs in the Report of Independent Auditor on Compliance for Each Major Program and on Internal Control over Compliance Required by the Uniform Guidance. No material weaknesses were reported.

Audit findings that are required to be reported in accordance with 2 CFR Section 200.516(a) are reported in the schedule of findings and questioned costs.

**GEORGIA TECH RESEARCH CORPORATION,
 GEORGIA TECH APPLIED RESEARCH CORPORATION, AND
 GEORGIA INSTITUTE OF TECHNOLOGY**
 SCHEDULE OF FINDINGS AND QUESTIONED COSTS (CONTINUED)

YEAR ENDED JUNE 30, 2024

I. Summary of the Auditor’s Results (Continued)

Identification of Major Programs

The programs tested as a major program were:

<u>Federal Assistance Listing Number</u>	<u>Name of Federal Program</u>
Various	Research and Development Cluster
	Student Financial Aid Cluster:
84.007	Federal Supplemental Educational Opportunity Grants
84.033	Federal Work-Study Program
84.038	Federal Perkins Loan
84.063	Federal Pell Grant
84.268	Federal Direct Student Loans
11.307	Economic Development Cluster

The dollar threshold for Type A programs was \$3,959,157.

The auditee did qualify as a low-risk auditee.

II. Financial Statement Findings

Financial Statement Finding – Georgia Tech Research Corporation and Georgia Tech Applied Research Corporation

None reported.

Financial Statement Finding – Georgia Institute of Technology

None reported.

**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION, AND
GEORGIA INSTITUTE OF TECHNOLOGY**
SCHEDULE OF FINDINGS AND QUESTIONED COSTS (CONTINUED)

YEAR ENDED JUNE 30, 2024

III. Federal Award Findings and Questioned Costs

During the year ended June 30, 2024, the Georgia Institute of Technology's ("GIT" or the "Institute") Department of Internal Audit completed audits of compliance with payroll and travel expense policies and procedures of two Schools within the Institute and identified noncompliance with those policies and procedures.

Finding 2024-001 – Noncompliance with payroll and travel expense policies and procedures

Federal Agencies: Various

Federal Program: Research and Development Cluster

Federal Assistance Listing Number: Various

Conditions:

- Noncompliance with travel policies
- Noncompliance with payroll expense policies and procedures

Criteria:

- Uniform Guidance 2 CFR § 200.302 Financial management
- Uniform Guidance 2 CFR § 200.308 – Revision of budget and program plans
- Uniform Guidance 2 CFR § 200.403 – Factors affecting allowability of costs
- Uniform Guidance 2 CFR § 200.404 – Reasonable costs
- Uniform Guidance 2 CFR § 200.405 – Allocable costs
- Uniform Guidance 2 CFR § 200.430 – Compensation – personal services
- Uniform Guidance 2 CFR § 200.475 – Travel costs
- Uniform Guidance 2 CFR § 200.432 – Conferences
- Title 41 CFR § 301-11.12
- Title 41 CFR § 301-11.200 Subpart C – Reduced per Diem

Cause:

- Lack of sufficient controls for proper review and approval of travel authorizations and expensed transactions associated with sponsored award expenses
- Lack of sufficient controls to ensure time and effort is properly charged to sponsored awards
- Lack of consistency enforcing payroll expense policies for sponsored award management

Effect:

Payroll and travel expenditures may not be in compliance with federal or grant award provisions.

Recommendations:

- Complete and approve spend authorizations before travel to validate the necessity and reasonableness of expenses.
- Include detailed justifications in spend authorizations for the travel purpose and award benefit.
- Require sufficient justification for payroll expenses charged to sponsored awards, particularly for significant variances in effort.
- Update internal control policies to enhance oversight and verification of time and effort reporting. This should include clear guidelines on the documentation required to support the work performed and the consequences of non-compliance.

**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION, AND
GEORGIA INSTITUTE OF TECHNOLOGY**
SCHEDULE OF FINDINGS AND QUESTIONED COSTS (CONTINUED)

YEAR ENDED JUNE 30, 2024

III. Federal Award Findings and Questioned Costs (continued)

Management's Response:

Management agrees with the finding. See management's corrective action plan.

Corrective Action Plan

See attached management's corrective action plan.

**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION, AND
GEORGIA INSTITUTE OF TECHNOLOGY**
SCHEDULE OF FINDINGS AND QUESTIONED COSTS (CONTINUED)

YEAR ENDED JUNE 30, 2024

IV. Prior Year Findings

Finding 2023-001 Subrecipient monitoring

Condition: GIT's Department of Internal Audit reported, based on its audit on the subcontract, subaward, and subrecipient monitoring process for active subawards related to the fiscal year ended June 30, 2022, the following conditions:

- Lack of written procedures in compliance with 2 CFR Sections 200.302 and 200.303.
- Lack of processes and procedures to ensure compliance with the Institute's Research 5.3 Subrecipient Monitoring policy.
- Non-compliance with 2 CFR Section 200.332, which mandates Single Audit monitoring procedures, standards, requirements, and subsequent risk monitoring procedures.

Current Status: Finding was resolved.



Office of Grants and Contracts Accounting

February 7, 2025

Management Corrective Action Plan

Finding 2024-01 Noncompliance with payroll and travel expense policies and procedures

Georgia Tech management agrees that internal audit reports demonstrated departmental deficiencies in knowledge of policies and procedures that needed to be addressed. Upon disclosure of Internal Audit's recommendations, the departments and central offices immediately responded with additional training, proactive compliance reviews, and re-enforcement of existing policies and procedures via Institute wide communications and enhanced reviews of support. New system controls regarding spend authorizations were put in place, with Georgia Tech's Internal Audit department continuing to test these controls through the month of February.

Central and departmental units within Georgia Tech will continue to work together to further enhance guidance and training to faculty and staff and to identify and test controls in our systems that will mitigate these issues.

Target Date for Implementation of Corrective Action: Dec. 31, 2025

Name and Title of Employee(s) Responsible for Implementing Correction Action:

Josh Rosenberg, Executive Director of Grants and Contracts, Primary Point of Contact, in partnership with Mitchell Walker, Chair - Aerospace Engineering and Arijit Raychowdhury, Chair – Electrical and Computer Engineering.

Office of Grants and Contracts Accounting

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