

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

COMPLIANCE REPORTS

For the Year Ended June 30, 2022

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 on the Schedule of Expenditures of Federal Awards

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, 2022, and the related notes to the schedule of expenditures of federal awards.

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, 2022, 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 that 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, 2022, and the related notes to the financial statements, which collectively comprise GTRC's basic financial statements. We issued our report thereon dated September 19, 2022, 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, 2022, 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 19, 2022, 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.

A handwritten signature in black ink that reads "Cherry Bekaert LLP". The signature is written in a cursive, flowing style.

Atlanta, Georgia
January 17, 2023

**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, 2022, and the related notes to the financial statements which collectively comprise GTRC's basic financial statements, and have issued our report thereon dated September 19, 2022.

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 19, 2022, except for the schedule of expenditures of federal awards which is dated January 17, 2023.

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, 2022. 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, 2022.

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 that 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 2022-001. Our opinion on each major federal program is not modified with respect to these matters.

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

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

Our consideration of internal control over compliance was for the limited purpose described in the *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. Given these limitations, during our audit we did not identify any deficiencies in internal control over compliance that we consider to be material weaknesses, as defined above. However, material weaknesses or significant deficiencies in internal control over compliance may exist that were not identified.

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.

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 17, 2023

**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION,
AND GEORGIA INSTITUTE OF TECHNOLOGY**
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
YEAR ENDED JUNE 30, 2022

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				
Agriculture and Food Research Initiative (AFRI)	10.310		\$ -	\$ 686,692
Wood Utilization Assistance	10.674		-	36,910
Agricultural Research Basic and Applied Research				
Passed through from:				
KWJ ENGINEERING INC/NEWARK, CA	10.001	145131	-	77,167
OREGON STATE UNIVERSITY/CORVALLIS, OR	10.001	J2285A-C	-	22,961
Specialty Crop Block Grant Program - Farm Bill				
Passed through from:				
GEORGIA DEPARTMENT OF AGRICULTURE/ATLANTA, GA	10.170	21SCBPGA1021-00	-	847
UNIVERSITY OF GEORGIA/ATHENS, GA	10.170	RE680-207/S001565	-	(12,039)
Agriculture and Food Research Initiative (AFRI)				
Passed through from:				
GEORGIA DEPARTMENT OF AGRICULTURE/ATLANTA, GA	10.310	USDA/AMS 2018 SP CROP CLOCK GR	-	(117)
UNIVERSITY OF FLORIDA/	10.310	2018-67013-27452	-	1,324
UNIVERSITY OF FLORIDA/	10.310	SUB00003042	-	64,007
US ENDOWMENT FOR FORESTRY AND COMMUNITIES/GREENVILLE, SC	10.310	E18-16	-	34,133
			-	911,885
Department of Commerce				
Economic Development Technical Assistance	11.303		-	120,000
Economic Adjustment Assistance	11.307		6,916	324,720
Trade Adjustment Assistance for Firms	11.313		178,902	537,242
Climate and Atmospheric Research	11.431		-	247,581
Measurement and Engineering Research and Standards	11.609		49,720	2,104,869
Manufacturing Extension Partnership	11.611		-	409,087
Minority Business Resource Development	11.802		276,500	765,057
MBDA Business Center	11.805		-	(126)
Ocean Exploration				
Passed through from:				
MOTE MARINE LABORATORY/SARASOTA, FL	11.011	MML 105-320	-	2,509
Cluster Grants				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	11.020	A391823	-	110,915
Sea Grant Support				
Passed through from:				
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	SUB 00002404	-	9,398
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	SUB00002257	-	55,948
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	SUB00002329	-	3,493
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	SUB00002640	-	20,440
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	SUB00002641	-	24,733
Coastal Zone Management Administration Awards				
Passed through from:				
GEORGIA SOUTHERN UNIVERSITY/STATESBORO, GA	11.419	39G2905-GATECH	-	9,528
GA DEPT NATURAL RESOURCES/	11.419	AGR DTD 28 JUL 2020	-	13,802
GA DEPT NATURAL RESOURCES/	11.419	GCAMP GWRAP PORTAL MAINT	-	10,000
Climate and Atmospheric Research				
Passed through from:				
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	11.431	R000002728	-	24,626
Weather and Air Quality Research				
Passed through from:				
UNIVERSITY CORPORATION FO	11.459	SUBCON002177	-	(4,249)
Integrated Ocean Observing System (IOOS)				
Passed through from:				
NATL FISH & WILDLIFE FOUN/WASHINGTON, DC	11.473	0318.19.066115	84,487	180,535
Center for Sponsored Coastal Ocean Research Coastal Ocean Program				
Passed through from:				
LEHIGH UNIVERSITY/BETHLEHEM, PA	11.478	543829-78002	-	57,622
Measurement and Engineering Research and Standards				
Passed through from:				
COLORADO STATE UNIVERSITY/COLLINS, CO	11.609	G-99042-03	-	151,449
Arrangements for Interdisciplinary Research Infrastructure				
Passed through from:				
NIIMBL/WASHINGTON, DC	11.619	PC2.2-122	-	20,824
Total Department of Commerce			596,525	5,200,003
Department of the Army				
Basic and Applied Scientific Research	12.300		5,098,922	24,767,460
Military Medical Research and Development	12.420		161,387	752,796
Basic Scientific Research	12.431		42,748,294	231,937,512
Basic, Applied, and Advanced Research in Science and Engineering	12.630		(4)	2,590,231
Research and Technology Development	12.910		81,404	178,645
Military Medical Research and Development				
Passed through from:				
	12.420	SUBK00013481	-	52,539

See accompanying notes to the Schedule of Expenditures and Federal Awards.

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

YEAR ENDED JUNE 30, 2022

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 Scientific Research				
Passed through from:				
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	12.431	#R000002607	\$ -	\$ 21,143
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.431	13000844-026	-	242,671
EARTHLY DYNAMICS CORPORATION/ATLANTA, GA	12.431	144320	-	17,632
MILLENNITEK LLC/KNOXVILLE, TN	12.431	144639	-	262,251
CARBONICS INC/CULVER CITY, CA	12.431	145449	-	59,160
MILLENNITEK LLC/KNOXVILLE, TN	12.431	147839	-	36,882
ENGINEERING AND SOFTWARE SYSTEM SOLUTIONS INC (ES3)/SAN DIEGO, CA	12.431	17119	-	35,172
MXD (MANUFACTURING X DIGITAL)/CHICAGO, IL	12.431	2020-09	-	43,245
GIRD SYSTEMS INC./CINCINNATI, OH	12.431	42-004-0321TM70	-	120,413
UNIVERSITY OF ARIZONA/TUCSON, AZ	12.431	530518	-	21,910
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	12.431	572622	-	871,753
CORNELL UNIVERSITY/ITHACA, NY	12.431	76091-10525	-	19,175
DIGITAL ANALOG INTEGRATION INC./AUBURN, AL	12.431	AGMT DTD 18-NOV-2015	-	47,385
AUTONOMOUS SOLUTIONS INC./MENDON, UT	12.431	AGMT DTD 19-JUN-2020	-	239,794
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.431	AWD-001412	-	40,028
SEMI/MILPITAS, CA	12.431	FT-19-20-P198	-	316,485
SEMI/MILPITAS, CA	12.431	FT19-21-206	-	314,473
MAYO CLINIC/ROCHESTER, MN	12.431	GEO-259318-01	-	84,612
ALCATERA/LOS ANGELES, CA	12.431	GTRC 143327 DTD 08/24/2020	-	56,786
HILL TECHNICAL SOLUTIONS INC/HUNTSVILLE, AL	12.431	OTA-CF-2020PO-1	-	36,845
ENGINEERING AND SOFTWARE SYSTEM SOLUTIONS INC (ES3)/SAN DIEGO, CA	12.431	PO 17256	-	25,000
CORNERSTONE RESEARCH GROUP/DAYTON, OH	12.431	PO 2020-1714	-	1,640
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	12.630	#576905	-	92,344
BOEING RESEARCH & TECHNOLOGY/SEATTLE, WA	12.630	1982655	-	192,190
SOUTHWEST RESEARCH INSTITUTE/	12.630	P99000NS	-	30,000
LOUISIANA STATE UNIVERSITY/BATON ROUGE, LA	12.630	PO-0000126336	-	6,572
ADVANCED REGENERATIVE MANUFACTURING INSTITUTE/MANCHESTER, NH	12.630	T0170	-	43,392
ADVANCED REGENERATIVE MANUFACTURING INSTITUTE/MANCHESTER, NH	12.630	T0171	-	52,036
ADVANCED REGENERATIVE MANUFACTURING INSTITUTE/MANCHESTER, NH	12.630	T1075	-	120,219
ELEMENTUM 3D/ERIE, CO	12.630	W911NF20C0012/A2-7889	-	90,823
Research and Technology Development				
Passed through from:				
UNIVERSITY OF TEXAS AT DALLAS/RICHARDSON, TX	12.910	1907638	-	128,371
Total Department of the Army			48,090,003	263,949,585
Department of the Navy				
Basic and Applied Scientific Research	12.300		8,061,772	39,853,301
Basic, Applied, and Advanced Research in Science and Engineering	12.630		-	(9)
Air Force Defense Research Sciences Program	12.800		-	1,032,575
Research and Technology Development	12.910		238,391	361,503
Basic and Applied Scientific Research				
Passed through from:				
UNIVERSITY OF WASHINGTON/SEATTLE, WA	12.300	#UWSC9065	-	(741)
BOEING RESEARCH & TECHNOLOGY/SEATTLE, WA	12.300	1451798	-	-
GLOBAL TECHNOLOGY CONNECTIONS/ATLANTA, GA	12.300	149448	-	41,997
UNIVERSITY OF CONNECTICUT/STORRS, CT	12.300	184733	-	486,228
PHASE IV INC/	12.300	2022-001	-	88,186
PHASE IV INC/	12.300	2022-002	-	10,191
CLEMSON UNIVERSITY/CLEMSON, SC	12.300	2190-202-2013781	-	94,180
COMBUSTION RESEARCH AND FLOW TECHNOLOGY INC / HUNTSVILLE, AL	12.300	21-C-0336/C828	-	150,219
PHYSICAL SCIENCES INC/ANDOVER, MA	12.300	87352-4233-46	-	(1,108)
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	12.300	94433-Z8312201	-	82,523
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	12.300	95497-Z8318201	-	98,790
ETEGENT TECHNOLOGIES LTD/CINCINNATI, OH	12.300	AGR DTD 11/24/2021	-	41,999
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	12.300	GG12136.159334	-	62,340
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	12.300	KR 705027	-	22,900
UNIVERSITY OF TENNESSEE/	12.300	N00164-20-2008-GEORGIA	-	46,545
PHOTODIGM INC/RICHARDSON, TX	12.300	PO 10323	-	14,294
STRATEGIC ANALYSIS INC/ARLINGTON, VA	12.300	SA-GAT-NRL-0135-2019	-	(5,595)
PHYSICAL SCIENCES INC/ANDOVER, MA	12.300	SC-8061-7420-021-001	-	126,352
PRINCETON UNIVERSITY/PLAINSBORO, NJ	12.300	SUB0000364	-	114,002
MAKAI OCEAN ENGINEERING/WAIMANALO, HI	12.300	SUB-2019-002	239,973	421,958
Total Department of the Navy			8,540,136	43,142,630
Department of the Air Force				
Basic and Applied Scientific Research	12.300		129,110	9,151,849
Basic, Applied, and Advanced Research in Science and Engineering	12.630		316,435	268,977
Air Force Defense Research Sciences Program	12.800		70,407,363	271,594,119
Mathematical Sciences Grants	12.901		-	46,344
Research and Technology Development	12.910		-	(10,824)
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
AZIMUTH CORPORATION/BEAVERCREEK, OH	12.630	238-5404-GIT3	-	193,108

See accompanying notes to the Schedule of Expenditures and Federal Awards.

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

YEAR ENDED JUNE 30, 2022

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
Air Force Defense Research Sciences Program				
Passed through from:				
UNIVERSITY OF CALIFORNIA/SANTA BARBARA, CA	12.800	#KK1912	\$ -	\$ 151,227
VERUS RESEARCH/ALBUQUERQUE, NM	12.800	1110-00037	-	2,786
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	142411-16F2639-19-48-C11	-	(51)
INNOVATIVE ADVANCED MATERIALS INC/HAMPTON, GA	12.800	144838	-	57,782
EARTHLY DYNAMICS CORPORATION/ATLANTA, GA	12.800	145780	-	18,188
LAUNCHPOINT ELECTRIC PROPULSION SOLUTIONS/GOLETA, CA	12.800	145789	-	2,711
LAUNCHPOINT ELECTRIC PROPULSION SOLUTIONS/GOLETA, CA	12.800	145791	-	5,661
CRAFT AEROSPACE TECHNOLOGIES INC/BURBANK, CA	12.800	145826	-	21,176
NEW EAGLE CONSULTING LLC/ANN ARBOR, MI	12.800	145834	-	19,105
ADVANCED TACTICS INC/TORRANCE, CA	12.800	145835	-	45,437
ADVANCED TACTICS INC/TORRANCE, CA	12.800	145836	-	46,830
TECHNOLOGY HOLDING LLC/SALT LAKE CITY, UT	12.800	148364	-	128,965
EARTHLY DYNAMICS CORPORATION/ATLANTA, GA	12.800	148384	-	25,155
ENIG AND ASSOCIATES INC/ROCKVILLE, MD	12.800	149440	-	199,120
ENIG AND ASSOCIATES INC/ROCKVILLE, MD	12.800	149738	-	119,875
PARTWORKS/ATLANTA, GA	12.800	149951	-	5,736
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	162642-20-31-C1	-	121,061
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	165852.03.00.0001.00.31-C1	-	23,965
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	165852-19F5830-19-03-C1	-	160,223
THE BOEING COMPANY/ST. LOUIS, MO	12.800	1944274	-	7,776
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	12.800	2019-1679-02	-	103,333
AMERICA MAKES/YOUNGSTOWN, OH	12.800	20220059	-	70,149
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	212014.05.00.2016.00.19-C11	-	17,946
CLEMSON UNIVERSITY/CLEMSON, SC	12.800	2357-200-2015033	-	41,104
LUNA INNOVATIONS/BLACKBURG, VA	12.800	3576.01GATECH	-	100,158
NATIONAL AEROSPACE SOLUTION LLC/ARNOLD AFB, TN	12.800	421015	-	22,219
LINCOLN LABORATORY/MASSACHUSETTS INST OF TECH	12.800	7000437192	-	239,374
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	12.800	800009491-01UG	-	142,670
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	12.800	800011034-01UG	-	55,113
STONY BROOK UNIVERSITY/STONY BROOK, NY	12.800	80626/2/1144990	-	26,695
BINGHAMTON UNIVERSITY/BINGHAMTON, NY	12.800	85442	-	(2,456)
BINGHAMTON UNIVERSITY/BINGHAMTON, NY	12.800	87545/1160002	-	30,362
CORNELL UNIVERSITY/ITHACA, NY	12.800	89102-11265	-	358,740
CORNELL UNIVERSITY/ITHACA, NY	12.800	90452-11334	-	102,246
BOOZ, ALLEN AND HAMILTON INC	12.800	A6837	-	499,913
NEXTFLEX/SAN JOSE, CA	12.800	AGR DTD 1/26/2022	-	59,692
ARIZONA STATE UNIVERSITY/TEMPE, AZ	12.800	ASUB00000737	-	21,794
SPACE DYNAMICS LAB	12.800	CP0072011	-	42,068
ATLAS DEVICES LLC/BOSTON, MA	12.800	FA864921P0858	-	82,453
BINGHAMTON UNIVERSITY/BINGHAMTON, NY	12.800	FA8650-15-2-5401	-	(2,060)
OPTOXENSE INC./SAN RAMON, CA	12.800	GTRC SUBK 141593 DTD 9-21-2020	-	43,158
LONG WAVE INC/OKLAHOMA CITY, OK	12.800	GTRC01-003	-	32,614
FLEXTECH ALLIANCE INC/SAN JOSE, CA	12.800	NB18-21-36	-	34,845
APPLIED RESEARCH ASSOCIATES/LEXINGTON, MA	12.800	PO21-01057	-	25,397
SOUTHWESTERN OHIO COUNCIL FOR HIGHER EDUCATION/DAYTON, OH	12.800	RY9-GA-19-5-AFRL2	-	38,652
UES INC/DAYTON, OH	12.800	S-162-11-MR006	-	78,447
UES INC/DAYTON, OH	12.800	S-162-11-MR011	-	15,109
UES INC/DAYTON, OH	12.800	S-162-11-MR012	-	1,324
UES INC/DAYTON, OH	12.800	S-200-210-001	-	23,230
INNOVATIVE SCIENTIFIC SOLUTIONS INC (ISSI)/DAYTON, OH	12.800	SB20251	-	2,715
INNOVATIVE SCIENTIFIC SOLUTIONS INC (ISSI)/DAYTON, OH	12.800	SB20265	-	59,427
SPECTRAL ENERGIES LLC / DAYTON, OH	12.800	SB2122-001-1	-	62,057
NIRVANA TECHNOLOGIES INC/MORAIN, OH	12.800	SB9550-001-1	-	46,333
THE PERDUCCO GROUP/BEAVERCREEK, OH	12.800	TASK ORDER NO 004	-	224,151
Total Department of the Air Force			70,852,908	285,105,273
Department of Defense				
Basic and Applied Scientific Research	12.300		1,793,879	4,592,803
Scientific Research - Combating Weapons of Mass Destruction	12.351		77,663	453,091
Basic Scientific Research	12.431		-	495,842
Basic, Applied, and Advanced Research in Science and Engineering	12.630		6,932,268	105,654,756
Air Force Defense Research Sciences Program	12.800		-	109,481
Research and Technology Development	12.910		4,668,966	8,603,579
Basic and Applied Scientific Research				
Passed through from:				
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	12.300	#108547341	-	79,089
JOHNS HOPKINS UNIV	12.300	122356	-	2,961
UNIV OF SO CA	12.300	127224382	-	223,421
PURDUE UNIV	12.300	13000648-032	-	833
JOHNS HOPKINS UNIV	12.300	174646	-	1,583
CRAFT TECH/HUNTSVILLE, AL	12.300	18-C-0850/C745	-	59,896
PRECISE SYSTEMS INC	12.300	19-0044-21	-	(6,901)
LUNA LABS USA LLC	12.300	3602-NVY-2S/GTRI	-	49,096
UNIVERSITY OF ROCHESTER/ROCHESTER, NY	12.300	417645G/UR FAO GR510976	-	8,489
Viasat Inc	12.300	4208464	-	2,720
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	12.300	578186	-	123,461
BAE SYSTEMS	12.300	975057	-	(506)
BOOZ, ALLEN, & HAMILTON	12.300	A7590	-	478,803
MATERIALS TECHNOLOGIES CO	12.300	AGMT DTD 12-02-2021	-	26,640
SYNTEK TECHNOLOGIES	12.300	AGMT DTD 3/31/2022	-	398
LUNA INNOVATIONS	12.300	AGR DTD 12/19/16	-	(166)
BORGWARNER/ ARDEN, NC	12.300	ARG DTD 11/22/2019	-	5,317
DYNETICS INC	12.300	DI-SC-15-05	-	(57)
DYNETICS INC	12.300	DI-SC-19-40/TO 0001	-	1,982,668
DYNETICS INC	12.300	DISC2191SBTJ00021	-	91,441
R-DEX SYSTEMS/ MARIETTA,	12.300	GTRC 144208 AGMT DTD 07242020	-	183
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,	12.300	M2200275	-	162,157
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,	12.300	M2200279	162,500	251,552

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**GEORGIA TECH RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
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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
ADVANCED TECHNOLOGY INTER	12.300	N660012291010	\$ -	\$ 332,603
LEIDOS INC	12.300	P010217722	-	126,781
LEIDOS INC/MCLEAN, VA	12.300	P010230959 TO1	-	72,629
SAIC	12.300	P010260127	-	176,663
SAIC	12.300	PO10238931	-	179
ISLAND CREEK ASSOCIATES	12.300	PO-19C0618-01	-	1,069
PHYSICAL OPTICS CORP	12.300	POC# 10201-GTRI	-	(69,209)
LEIDOS, INC	12.300	RFP-7234-0219-007	-	(1,285)
ENVISIONEERING INC	12.300	S20-16	-	(797)
ENVISIONEERING INC	12.300	S22-02	-	581,444
SOAR TECHNOLOGY INC	12.300	SC-19-005	-	10,233
SOAR TECHNOLOGY INC	12.300	SC-19-025	-	105,090
UNIVERSITY OF SOUTH CAROLINA/COLUMBIA, SC	12.300	18-3437	-	12,243
Scientific Research - Combating Weapons of Mass Destruction				
Passed through from:				
CORNELL UNIVERSITY/ITHACA, NY	12.351	90425-21229	-	23,007
EMORY UNIVERSITY/ATLANTA, GA	12.351	A316609	-	91,321
ROTC Language and Culture Training Grants				
Passed through from:				
INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.357	PGO1801-GT-03-PGO-051-PO3	-	31,656
INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.357	PGO1801-GT-03-PGO-051-PO4	-	342,109
Basic Scientific Research				
Passed through from:				
JOHNS HOPKINS UNIV/BALTIMORE, MD	12.431	2005355675	-	44,009
STANFORD UNIVERSITY/STANFORD, CA	12.431	#61892934-130810	-	(8,515)
UNIVERSITY OF ALABAMA AT BIRMINGHAM/BIRMINGHAM, AL	12.431	000529073-001	-	77,674
ADVANCED TECHNOLOGY INTER	12.431	2017-311A PA 5	1,182,840	2,557,690
GEN ELEC CORP RES & DEVL	12.431	401153380	-	113,804
GEN ELEC CORP RES & DEVL	12.431	401153812	-	498,374
GEN ELEC CORP RES & DEVL	12.431	401153817	-	560,988
NATL CTR FOR DEFENSE MANU	12.431	41000103	-	7,141
GIRD SYSTEMS INC	12.431	420021018CF40	-	477
ROBOTICS TECHNOLOGY	12.431	70-201708	-	5,510
EARTHLY DYNAMICS CORP	12.431	AGMT DTD 10/27/2021	-	17,972
R-DEX SYSTEMS/ MARIETTA,	12.431	GTARC 145615 DTD 1/14/2021	-	(1,383)
AUGUSTUS AEROSPACE CO/ LO	12.431	GTARC 146761 DTD 2/17/2021	-	(4,379)
R-DEX SYSTEMS/ MARIETTA,	12.431	GTARC 149029 DTD 6-21-2022	-	2,014
ADVANCED TECHNOLOGY INTER	12.431	PROJECT AGREEMENT NO 1	-	(14)
SCIENTIFIC RES	12.431	SR20201820	-	48,514
SCIENTIFIC RES	12.431	SR20210264	-	378,583
SCIENTIFIC RES	12.431	SR20220019	-	252,081
SCIENTIFIC RES	12.431	SR20220089	-	342,677
DIGITAL ANALOG INTEGRATION INC./AUBURN,AL	12.431	W911QX19C004	-	62,152
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	#203278GT-BAKIR	-	162,030
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	#203278GT-YU	-	280,155
UNIVERSITY OF ILLINOIS	12.630	096363-17536	-	(3,304)
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	12.630	10037	-	(63,132)
LOCKHEED MARTIN CORP	12.630	1010121	-	79,575
NORTHROP CORP	12.630	1012174443	-	26,366
BAE SYSTEMS/BURLINGTON MA	12.630	1017356	-	357,583
APPLIED RESEARCH LABORATO	12.630	102768-Z9717201	-	16,862
UNIVERSITY OF ILLINOIS/CHICAGO,IL	12.630	104071-18540	-	14,620
BAE SYSTEMS	12.630	1115682	-	278,133
BAE SYSTEMS/BURLINGTON MA	12.630	1125267	-	484,219
JACOS SVERDRUP ADVANCE SY	12.630	1234-01-00-03	-	122,929
INFORMATION SCIENCE INSTI	12.630	136299980	-	314,692
WEST COAST SOLUTIONS/HUNTINGTON BEACH, CA	12.630	140208	-	201,274
CHARLES RIVER ANALYTICS INC / CAMBRIDGE, MA	12.630	140D0419C0048	-	(30,236)
ZETA ASSOCIATES INC	12.630	173118LS-GTARC-01	-	52,438
JOHNS HOPKINS UNIV/BALTIMORE, MD	12.630	2004731073	-	292,981
ADVANCED TECHNOLOGY INTER	12.630	2017-311A PA 06	-	1,777,865
JT4-LLC/LAS VEGAS, NV	12.630	2021JW5124	-	288,222
JT4-LLC/LAS VEGAS, NV	12.630	2022JW5594	-	45,749
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	203278GT-KHAN	-	286,270
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	203278GT-NAEEMI	-	338,442
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	203278GT-Raychowdhury	-	822,072
SIEMENS CORPORATE RESEARCH/PRINCETON, NJ	12.630	208-03	-	28,973
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	12.630	21-00038-SUB-000	-	165,527
STEVENS INST OF TECHNOLOGY/	12.630	2103117-01	-	8,871
STEVENS INST OF TECH	12.630	2103197-01	-	99,259
STEVENS INST OF TECH	12.630	2103221-12	-	172,498
STEVENS INST OF TECH	12.630	2103254-01	-	58,712
INTELLIGENT AUTOMATION IN	12.630	2509-1	-	2,165,565
RAYTHEON	12.630	4202392536	-	848,839
RAYTHEON	12.630	4202392548	-	171,940
KONTRON AMERICA INC	12.630	4500125358	-	187,769
NORTHROP GRUMMAN SYS CORP	12.630	5300029642	-	436,652
NORTHROP GRUMMAN/BALTIMORE, MD	12.630	5300039885	-	23,886
NORTHWESTERN UNIVERSITY/EVANSTON, IL	12.630	60060216 GIT	-	221,541
LOCKHEED MARTIN CORP	12.630	6574055372	-	56,945
RESONANT SCIENCES LLC	12.630	ACL-EM-22-P14817	-	45,044
DEFENSEWERX-ICEWERX/NICEV	12.630	AGMT DTD 2/25/2022	-	69,377
TEXAS A&M ENGINEERING EXPERIMENT STATION/COLLEGE STATION, TEXAS	12.630	AGR DTD 7/21/2021	-	25,000

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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
EPIRUS INC/SEGUNDO, CA	12.630	AGREEMENT DTD 11/19/2021	\$ -	\$ 120,891
TETRA TECH ARD	12.630	AID-OAA I-14-00068/TO-16-00016	-	2,056
NuWave Solutions -BigBear	12.630	ATP DTD 05 MAY 2022	-	4,068
DRAPER LABORATORY/CAMBRIDGE, MA	12.630	B20-2020184G002	-	94,110
INTEL CORPORATION/	12.630	CW2051835	-	197,754
DYNETICS INC	12.630	DISC1505 TO 09	-	(785)
DYNETICS INC	12.630	DI-SC-15-05 TO 10	-	151,237
DYNETICS INC	12.630	DI-SC-16-01	-	(1,311)
DYNETICS INC	12.630	DI-SC-20-91	-	123,677
MACAULAY-BROWN	12.630	DSC2134-01	-	221
ENGENIUSMICRO/MABLETON, GA	12.630	EGM1342	-	7,249
ALION SCIENCE AND TECH	12.630	FA807517F1257	-	664
KARAGOZIAN AND CASE STRUCTURAL ENGINEERS/GLENDALE, CA	12.630	FFP-149623	-	11,557
KYRWYLE/HUNTSVILLE,AL	12.630	HHM402-21-D-0150	-	27,097
SYSTEM HIGH	12.630	HR001117F0001	-	39,020
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,	12.630	M2200459	-	70,447
LEIDOS INC	12.630	P010192863	-	724,961
LEIDOS INC/MCLEAN, VA	12.630	P010244149	-	(13,496)
SAIC	12.630	P010251920	-	263,291
LEIDOS INC	12.630	P010264877	-	222,886
PHYSICAL SCIENCES INC.	12.630	PO 10-04345	-	8
ROCKWELL COLLINS	12.630	PO 4507393359	-	236,744
DYNETICS INC	12.630	PO SB800027	-	90,570
NORTHROP GRUMMAN SYS CORP	12.630	PO#5300010064	-	432,517
SRI INTERNATIONAL/PRINCETON,NJ	12.630	PO54003	-	348,260
SIERRA NEVADA CORPORATION	12.630	S21FNE063	-	1,638
DYNETICS INC	12.630	SB8000046	-	12,338
DYNETICS INC	12.630	SB8000055	-	190,930
DRAPER LABORATORY	12.630	SC001-0000001394	-	1,268,248
PHYSICAL SCIENCES INC.	12.630	SC-4566-170221-013-001	-	349,310
STEEL FOUNDERS SOCIETY OF AMERICA/	12.630	SPI005	-	107,255
UNIVERSITY OF MICHIGAN/	12.630	SUBK00011571	-	425,304
NOVATEUR RESEARCH SOLUTIONS/LEESBURG, VA	12.630	SUBK-NGA172-003	-	(12)
Air Force Defense Research Sciences Program				
Passed through from:				
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.800	#13000716-051	-	17,379
FREEDOM PHOTONICS SANTA B	12.800	#S7200-01	-	364,835
BOOZ, ALLEN, & HAMILTON	12.800	106445SB18/TO 3	-	142,826
ASSURED INFORMATION SECUR	12.800	1159-SB	-	33,250
ASSURED INFORMATION SECUR	12.800	1161-SA	-	23,088
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	165852-18F5828-19-16-C1	-	50,043
SPG INSTITUTE INC	12.800	2019-ARC-S-19004	-	(3,416)
SPG INSTITUTE INC	12.800	2019-ARC-S-19006	-	2,519
JT4-LLC/LAS VEGAS, NV	12.800	2020JW3092	-	40
AEROBOTIX INC MADISON AL	12.800	210331-21667	-	55,793
SMART MUNITIONS EXPERTS S	12.800	3/9/2022 AGMT	-	19,035
JT4-LLC/LAS VEGAS, NV	12.800	4020JW2539	-	(3,592)
JT4-LLC/LAS VEGAS, NV	12.800	4021GT3098	-	105,383
LOCKHEED MARTIN SPACE SYS	12.800	4105205656	-	4,144
L3 COMMUNICATIONS/ROCKWA	12.800	4501890959	-	15,703
NORTHROP CORP	12.800	5300019650-GTRI	-	786,112
JT4-LLC/LAS VEGAS, NV	12.800	700009/0002	-	123,315
LINCOLN LAB	12.800	7000472951	-	186,805
NORTHROP CORP	12.800	7500165537	-	(8,325)
NORTHROP CORP	12.800	7500172237-01	-	152,374
BAE SYSTEMS	12.800	994129	-	4
BOOZ, ALLEN, & HAMILTON	12.800	A8270	-	371,429
MATERIALS TECHNOLOGIES CO	12.800	AGMT DTD 10-18-2021	-	15,289
ATC MATERIALS/WESTLAKE OH	12.800	AGMT DTD 11-08-2019	22,886	98,754
SARA/CYPRESS CA	12.800	ATP DTD 2/20/19	-	143,430
ALION SCIENCE AND TECHNOL	12.800	D9770	-	34,716
FLORIDA INST OF TECH/	12.800	DTFACT-17-C-0001	-	138,601
SEALING TECHNOLOGIES INC	12.800	EGLIN-05012020	-	6,654
SOSSEC/ATKINSON,NH	12.800	FA87501699000	-	(40,201)
STELLAR SCIENCE LTD/ALBU	12.800	GTRC AGMT DTD 11-03-2020	-	131,085
NORTHROP GRUMMAN INNOVAT	12.800	MP00301412	-	(249)
CACI	12.800	P000105680	-	653,755
SW RES INSTITUTE	12.800	P99026N	-	133,872
SOSSEC/ATKINSON,NH	12.800	PLA-0047	-	2,716
RELIANCE TEST AND TECH	12.800	R21N0188	-	(354)
UES INC	12.800	S119040001	-	41
UES INC	12.800	S-124-001-004	-	(3,830)
FREEDOM PHOTONICS SANTA B	12.800	SAF20A-T002	-	7,669
NORTHROP CORP	12.800	SP00116946	-	(221)
SCIENTIFIC RES	12.800	SR20201140	-	155,135
SCIENTIFIC RES	12.800	SR20201522	-	118,814
SCIENTIFIC RES	12.800	SR20210482 (J413)	-	670,602
ALION SCIENCE AND TECH	12.800	SUB1148651-002	-	301,859
ALION SCIENCE AND TECHNOL	12.800	SUB1157903	-	42,346
ALION SCIENCE AND TECHNOL	12.800	SUB1157903 004	-	185,168
ALION SCIENCE AND TECHNOL	12.800	SUB1157903 RELEASE 002	-	(3,698)
ALION SCIENCE AND TECHNOL	12.800	SUB1157903 RELEASE 001	1,952,500	4,529,438
ALION SCIENCE AND TECHNOL	12.800	SUB1157903-003	-	3,937,068
DARK WOLF SOLUTIONS LLC	12.800	SubK5421_GTRI	-	182,485

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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
TAU TECHNOLOGIES LLC/ALB	12.800	TAU 2021-003	\$ -	\$ 122,743
BATTELLE	12.800	US001-0000832821	-	35,621
WRIGHT BROTHERS INSTITUTE	12.800	WBPO21039GTRI	-	24,546
BINGHAMTON UNIVERSITY/BINGHAMTON, NY	12.800	1170861/92514	-	12,614
Research and Technology Development				
Passed through from:				
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	12.910	00010318	-	67,202
GENERAL DYNAMIC BATH IRON	12.910	07162AOWLH	-	(2,754)
UNIVERSITY OF COLORADO/DENVER, CO	12.910	FY18.920.001	-	(20,521)
TELEDYNE SCIENTIFIC & IMAGING LLC/THOUSAND OAKS, CA	12.910	PO00143792	-	(28,475)
Total Department of Defense			16,793,502	160,775,306
Department of the Interior				
Water Desalination Research and Development	15.506		-	20,555
Assistance to State Water Resources Research Institutes	15.805		59,258	149,269
Earthquake Hazards Program Assistance	15.807		-	116,351
National Center for Preservation Technology and Training	15.923		-	7,050
Cooperative Research and Training Programs – Resources of the National Park System	15.945		-	71,830
Research Grants (Generic)				
Passed through from:				
GALLUP	15.650	HR001119C0135-001	-	1,661
			59,258	366,716
Department of Justice				
National Institute of Justice Research, Evaluation, and Development Project Grants	16.560		-	62,232
Passed through from:				
THE URBAN INSTITUTE	16.560	PRE-AUTH. LTR	-	28,707
Total Department of Justice			-	90,939
Department of Labor				
Occupational Safety and Health_ Susan Harwood Training Grants	17.502		-	210,423
Total Department of Labor			-	210,423
Department of State				
Cyberspace and Digital Policy	19.665		-	33,214
Investing in People in The Middle East and North Africa				
Passed through from:				
INTL RES & EXCHANGE BD (IREX)/WASHINGTON, DC	19.021	FY21-HEP19-GT-01	-	19,748
Middle East Partnership Initiative				
Passed through from:				
AMERICAN UNIVERSITY OF BEIRUT/BERIUT, LABANON	19.500	SNEAAC20CA0028	-	376,588
Total Department of State			-	429,550
Department of Transportation				
Air Transportation Centers of Excellence	20.109		1,073,450	5,951,916
Highway Planning and Construction	20.205		-	732,976
Highway Training and Education	20.215		-	40,462
Pipeline Safety Program State Base Grant	20.700		-	64,995
University Transportation Centers Program	20.701		194,371	506,631
National Infrastructure Project Assistance (Mega Projects)	20.937		-	4,033
Air Transportation Centers of Excellence				
Passed through from:				
GEORGIA DEPT OF TRANSPORTATION	20.109	AGR DTD 5/10/2022	-	60,272
UNIVERSITY OF FLORIDA/	20.109	AWD-002685	-	38,412
UNIVERSITY OF TEXAS AT ARLINGTON/ARLINGTON, TX	20.109	CTEDD 021-13	-	15,000
NATL ACADEMY OF SCIENCES/	20.109	NCHRP-226	-	193
UNIVERSITY OF FLORIDA/	20.109	UFDSP00011673	-	44,071
ATL REGIONAL COMMISSION/	20.109	UP2153	-	152,589
Highway Research and Development Program				
Passed through from:				
OKLAHOMA STATE UNIVERSITY/STILLWATER, OK	20.200	1-578560-GTRC	-	31,416
THE NATIONAL ACADEMIES	20.200	200011051	-	79,460
Highway Planning and Construction				
Passed through from:				
OLD DOMINION UNIVERSITY/SUFFOLK, VA	20.205	#14055 ACRP AWARD	-	6,000
GEORGIA DEPT OF TRANSPORTATION	20.205	02-148, RES PROJ 14-06	-	(769)
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	20.205	087795-17555	-	73,955
ARIZONA STATE UNIVERSITY/TEMPE, AZ	20.205	17-166	-	544,505
CREARE INC/HANOVER, NH	20.205	6913G618C100008	-	99
UNIVERSITY OF CALIFORNIA/DAVIS, CA	20.205	A17-0183-S002	-	394,646
UNIVERSITY OF FLORIDA/	20.205	AMEND 20 (UFDSP00011673)	-	77,995
UNIVERSITY OF FLORIDA/	20.205	AMENDMENT 23	-	16,213
UNIVERSITY OF FLORIDA/	20.205	AMENDMENT 24	-	69,731
GEORGIA DEPT OF TRANSPORTATION	20.205	AWD-102446	-	5,170
UNIVERSITY OF TEXAS AT ARLINGTON/ARLINGTON, TX	20.205	CTEDD 021-04	-	48,947
UNIVERSITY OF TEXAS AT ARLINGTON/ARLINGTON, TX	20.205	CTEDD 2021 # 021-08	-	41,652
GEORGIA DEPT OF TRANSPORTATION	20.205	EMAIL DTD 16 OCT 2018 - T8499	-	1,312
GEORGIA DEPT OF TRANSPORTATION	20.205	FTA5311-FY20 NTD	-	82,201
GEORGIA DEPT OF TRANSPORTATION	20.205	FUNDED FROM T8499	-	85,341
UNIVERSITY OF NEVADA LAS VEGAS/LAS VEGAS, NV	20.205	GR10321	-	42,748
NATL ACADEMY OF SCIENCES/	20.205	HR-01-60	26,230	101,362
TRANSPORTATION RESEARCH BOARD/WASHINGTON, DC	20.205	NCHRP-214	-	9,349
GEORGIA DEPT OF TRANSPORTATION	20.205	RES PROJ 17-08 TO 2014-57	-	(2,595)
GEORGIA DEPT OF TRANSPORTATION	20.205	RES PROJ 17-19, TO 2014-61	-	69,380
GEORGIA DEPT OF TRANSPORTATION	20.205	RES PROJ 17-22, TO 2014-64	-	47,361

See accompanying notes to the Schedule of Expenditures and Federal Awards.

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

YEAR ENDED JUNE 30, 2022

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	RES PROJ 2014-60, TO 17-14	\$ -	\$ (800)
UNIVERSITY OF GEORGIA/ATHENS, GA	20.205	SUB00002399	-	32,668
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER 2014-108, RP 20-22	-	108,694
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER 2014-92 RP 19-10	68,401	40,960
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-100 RP 20-10	-	102,209
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-101 RP 20-11	-	63,671
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-102 RP 20-12	-	145,193
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-104, RP 20-15	-	72,081
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-105 RP 20-17	19,708	113,251
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-106 RP 20-18	21,027	125,288
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-107 RP 20-19	-	95,694
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-109 RP 20-24	-	21,710
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-110 RP 20-25	-	42,685
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-73, REP PROJ 18-01	-	114,306
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-76, RES PRO 18-02	-	2,028
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-77 RP 18-13	-	(2)
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-79, RES PROJ 18-11	-	164
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-80, RES PROJ 18-07	-	55,475
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-84, RP18-08	-	15,544
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-89 RP 19-11	24,253	65,424
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-90 RP 19-13	23,229	(450)
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-91, RP 19-04	-	137,524
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-96 RP 19-27	-	(2,236)
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-97 RP 20-01	-	44,412
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-99 RP 20-09	-	147,487
GEORGIA DEPT OF TRANSPORTATION	20.205	TO2014-88 RP 19-09	-	36,376
UNIVERSITY OF FLORIDA/	20.205	UFDSP00011673 - AMEND 20	-	3,355
UNIVERSITY OF FLORIDA/	20.205	UFDSP00011673 - PROJECT Q2	-	45,914
UNIVERSITY OF FLORIDA/	20.205	UFDSP00011673 AMEND 18 PROJ F3	-	17,383
UNIVERSITY OF FLORIDA/	20.205	UFDSP00011673 AMEND. 5	-	96,765
University Transportation Centers Program				
Passed through from:				
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY/ROLLA, MO	20.701	#0055082-02D	-	88,552
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY/ROLLA, MO	20.701	00055082-02A	-	(42)
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY/ROLLA, MO	20.701	00055082-02C	-	79,439
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	20.701	12-S171237	-	333,787
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	20.701	16100096-024	-	340,180
Total Department of Transportation			1,450,669	12,021,718
Department of Treasury				
Coronavirus Relief Fund				
Passed through from:				
GA BOARD OF REGENTS	21.019	AWD-000999	-	(802)
GA BD OF REGENTS	21.019	EMAIL DTD 4 APR 2020 FORTNER	-	(322,443)
GA BD OF REGENTS	21.019	FORTNER EMAIL 4 APR 2020	-	(164,537)
CORONAVIRUS STATE AND LOCAL FISCAL RECOVERY FUNDS				
Passed through from:				
GA OFC PLANNING & BUDGET	21.027	EMAIL DTD 1/12/2022	-	81,814
Total Department of Treasury			-	(405,968)
GENERAL SERVICES ADMINISTRATION				
General Services Administration Funding	39.0FA		-	107,107
General Services Administration Funding				
Passed through from:				
JACOS SVERDRUP ADVANCE SY	39.0FA	1153-01-00-06	-	758,806
JACOS SVERDRUP ADVANCE SY	39.0FA	1153-01-02-06	-	1,190,127
NORTHROP CORP	39.0FA	5300027015 R1	-	1,234,435
DYNETICS INC	39.0FA	DI-SC-21-60	-	59,007
ECCALON LLC/HANOVER,MD	39.0FA	EDUCATIONAL AGMT	-	61,617
Total GENERAL SERVICES ADMINISTRATION			-	3,411,099
LIBRARY OF CONGRESS				
Affiliate Centers for the Book Programming Grants				
Passed through from:				
ASSOCIATION OF AMERICAN PUBLISHERS (AAP)/WASHINGTON, DC	42.014	AGMT EXEC 1/6/2022	-	116,825
Total LIBRARY OF CONGRESS			-	116,825
National Aeronautics and Space Administration				
Science	43.001		1,859,299	9,734,774
Aeronautics	43.002		720,082	2,399,691
Exploration	43.003		55,394	199,084
Education	43.008		350,641	692,648
Space Technology	43.012		560,104	2,331,377
Science				
Passed through from:				
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	000030161	-	34,378
CONTINUUM DYNAMICS INC/EWING, NJ	43.001	146215	-	26,069
EDGEDWELLER INC/ATLANTA,GA	43.001	147067	-	35,852
GLOBAL TECHNOLOGY CONNECTIONS/ATLANTA, GA	43.001	147285	-	46,769
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1619992	-	4,181
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1627438	-	80,398
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1639653	-	7
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1640630	-	10
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1644381	-	25,691
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1650969	-	40,659

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**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2022

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
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1656498	\$ -	\$ 17,347
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1660879	-	25,980
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1662067	-	18,073
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1663730	-	51,030
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1668200	-	7,996
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1671083	-	33,115
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1671441	-	145,241
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1671740	-	24,762
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	201201-GTRC	-	145,501
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	43.001	2020-0613-01	-	44,813
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	202071	-	54,022
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	202078-GTRC	-	215,489
SPACEWORKS ENTERPRISES/ATLANTA, GA	43.001	21-003	-	10,033
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	21N00505	-	123,326
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	21N0146	-	11,832
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	22N00163	-	25,000
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	302001-GTRC	-	345,206
PLASMA PROCESSES INC/ HUNTSVILLE, AL	43.001	6006-040-JK-073021	-	103,403
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	602007	-	313,348
SOUTHWEST RESEARCH INSTITUTE/	43.001	699054X/15.12029	-	197,082
CFD RESEARCH CORPORATION/HUNTSVILLE, AL	43.001	80ARC021F0055	-	111,347
NASA/HEADQUARTERS/WASHINGTON, DC	43.001	80NSSC18K1301	-	66,013
SPACE TELESCOPE SCIENCE INSTITUTE	43.001	80NSSC21K1053	-	8,381
UNIVERSITY OF ALABAMA/TUSCALOOSA, AL	43.001	A21-0039-S001	-	6,974
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	AWD-002288	-	273,366
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	AWD-002425	-	163,888
SPACE DYNAMICS LAB	43.001	CP0065524	-	329,008
EPISYS SCIENCE INC/POWAY, CA	43.001	EPISCI-TEAMASTRO-S001	-	29,500
WEST COAST SOLUTIONS/HUNTINGTON BEACH, CA	43.001	GRTC# 694	-	14,098
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	43.001	MIT-GT-S5255	-	83,495
UNIVERSITY OF ARIZONA/TUCSON, AZ	43.001	PO# 109150	-	26,061
LM/MCLEAN,VA	43.001	PO20-00435; TO02 NASA TO55	-	37,040
DARTMOUTH COLLEGE/HANOVER, NH	43.001	R1549	-	3,729
UNIVERSITY OF CALIFORNIA RIVERSIDE/RIVERSIDE, CA	43.001	S-000728	-	81
UNIVERSITY OF CALIFORNIA RIVERSIDE/RIVERSIDE, CA	43.001	S-001436	-	143,512
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	43.001	S001845-NASA	-	252,176
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	43.001	S4102/750175	-	26,091
UNIVERSITY OF IDAHO/MOSCOW, IDAHO	43.001	SP3303-SB-223473	-	(4,300)
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	T13-6500-GT	-	2,072,814
UNIVERSITY OF IDAHO/MOSCOW, IDAHO	43.001	WRAY-ADP	-	27,839
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1670431	-	5,587
Aeronautics				
Passed through from:				
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	43.002	#133480	-	15,698
PHYSICAL SCIENCES INC.	43.002	10-02490-1943	-	5
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1648767	-	(16)
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1659103	-	103,046
MILLENNIUM ENGINEERING	43.002	2019-0123	-	(180)
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.002	202026-GTRC	-	17,182
JACOBS ENGINEERING GROUP	43.002	20N0565	-	62,544
NORTH CAROLINA A&T STATE UNIV/GREENSBORO, NC	43.002	220072A	-	287,842
OHIO STATE UNIVERSITY/COLUMBUS, OH	43.002	60061601	-	122,647
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.002	602003	-	120,889
STANFORD UNIVERSITY/STANFORD, CA	43.002	62485886-176172	-	161,623
OEWAIVES INC./PASADENA, CA	43.002	AGMT. 142585 DATED 04-07-2020	-	121,256
TDA RESEARCH INC./WHEAT RIDGE, CO	43.002	GA.4101.030.GTRC.20.01	-	12,472
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	43.002	GD10052 152367	-	(29,661)
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.002	PO # 20N0379	-	27,532
LM/MCLEAN,VA	43.002	PO20-00435/TO01/TO033	-	7,090
BOOZ, ALLEN, & HAMILTON	43.002	S900016BAH	-	38,649
SOAR TECHNOLOGY INC	43.002	SC-20-027	-	5,212
CROWN CONSULTING INC/ARLINGTON,VA	43.002	TASK ORDER 02	-	133,570
Education				
Passed through from:				
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.008	201089-GTRC	-	186
PRAIRIE VIEW A&M UNIVERSITY/PRAIRIE VIEW, TEXAS	43.008	M2000595/S200508	-	98,034
XAVIER UNIVERSITY OF LA/NEW ORLEANS, LA	43.008	ORSP-21-216812-01A	-	127,278
Space Technology				
Passed through from:				
MICHIGAN TECHNOLOGICAL UNIVERSITY/HOUGHTON, MICH	43.012	1607060Z4	-	157,428
UNIVERSITY OF CALIFORNIA/DAVIS, CA	43.012	A19-2477-S002	-	584,817
OREGON STATE UNIVERSITY/CORVALLIS, OR	43.012	NS335A-A	-	3,785
Total National Aeronautics and Space Administration			3,545,520	23,419,815
The National Endowment for the Humanities				
Promotion of the Humanities Office of Digital Humanities	45.169		-	50,893
Promotion of the Humanities_Division of Preservation and Access				
Passed through from:				
UNIV OF GEORGIA	45.149	SUB00001681	-	43,498
Total The National Endowment for the Humanities			-	94,391

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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2022

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
National Science Foundation				
Engineering Grants	47.041		\$ 4,936,816	\$ 21,900,654
Mathematical and Physical Sciences	47.049		644,098	9,576,845
Geosciences	47.050		196,828	4,791,345
Computer and Information Science and Engineering	47.070		1,003,163	14,678,349
Biological Sciences	47.074		77,488	3,424,671
Social, Behavioral, and Economic Sciences	47.075		23,720	1,642,661
Education and Human Resources	47.076		283,365	7,502,675
Polar Programs	47.078		-	137,906
Office of International Science and Engineering	47.079		-	60,579
Office of Integrative Activities	47.083		-	986,409
NSF Technology, Innovation, and Partnerships	47.084		-	1,492
Engineering Grants				
Passed through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	#083276-16803	-	(1)
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	083276-18339 (AC291)	-	57,720
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	083276-18381 (AC291)	-	65,000
COLUMBIA UNIVERSITY/NEW YORK, NY	47.041	1(GG13910)	-	3,357
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	47.041	10001522-041	-	4,423
UNIVERSITY OF UTAH/SALT LAKE CITY, UT	47.041	10046930-GaTech	-	106,741
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	101397-18222	-	75,561
HARVARD UNIVERSITY/BOSTON, MA	47.041	124050-5104116	-	(8,151)
WI-SENSE LLC/SMYRNA, GA	47.041	140559	-	6
VAXESS TECHNOLOGIES INC/CAMBRIDGE, MA	47.041	145275	-	(15,571)
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.041	15-741	-	527,521
UNIVERSITY OF CENTRAL FLORIDA/	47.041	16406249-02	-	13,565
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.041	17-098	-	39,469
GEORGE WASHINGTON UNIVERSITY/WASHINGTON, DC	47.041	18-S10	-	103,496
COLUMBIA UNIVERSITY/NEW YORK, NY	47.041	2(GG013222)	-	14,180
BSCS SCIENCE LEARNING/COLORADO SPRINGS, CO	47.041	2020-20	-	99,876
UNIVERSITY OF NEBRASKA/LINCOLN, NE	47.041	25-0521-0210-003	-	15,946
NORTH CAROLINA A&T STATE UNIV/GREENSBORO, NC	47.041	281230C	-	35,914
UNIVERSITY OF KENTUCKY RESEACH FDN/LEXINGTON, KY	47.041	320004377-22-075	-	49,852
TEACHERS COLLEGE - COLUMBIA UNIVERSITY/NEW YORK, NY	47.041	513147	-	30,784
UNIVERSITY OF DELAWARE/NEWARK, DE	47.041	57824	-	81,219
AMERICAN SOCIETY FOR ENG EDU/WASHINGTON, DC	47.041	769-2072	-	19,564
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	47.041	9367	-	21,061
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	47.041	M1900051	-	453
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	47.041	NSF 21-529	-	10,525
MOREHOUSE COLLEGE/ATLANTA, GA	47.041	PO# P0044575	-	25
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.041	S4009/ 756419	51,137	404,136
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5210039055A221	-	26,385
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.041	S5562, PO# 700523	-	9,530
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5800041772B5GT	-	29,070
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5800041772C3GT	-	20,055
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5800041772C521	-	36
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5800041772D121	-	602
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	47.041	SSA 146903	-	6,382
PRINCETON UNIVERSITY/PLAINSBORO, NJ	47.041	SUB0000385	-	38,534
PRINCETON UNIVERSITY/PLAINSBORO, NJ	47.041	SUB0000570	-	24,888
TULANE UNIVERSITY/NEW ORLEANS, LA	47.041	TUL-SCC-557922-20-21	-	9,424
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.041	UTAUS-SUB00000185	-	52,378
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.041	UWSC10741 BPO NO. 34658	-	39,119
Mathematical and Physical Sciences				
Pass through from:				
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.049	0000000293	-	85,073
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.049	0000000841	-	59,344
WORCESTER POLYTECHNIC INSTITU/WORCESTER, MA	47.049	10825-GR	-	40,061
CORNELL UNIVERSITY/ITHACA, NY	47.049	75548-20733	-	46,862
EMORY UNIVERSITY/ATLANTA, GA	47.049	A373696	-	45,222
TEXAS A&M ENGINEERING EXPERIMENT STATION/COLLEGE STATION, TEXAS	47.049	M2003235	-	20,000
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.049	UWSC12980	-	26,368
Geosciences				
Pass through from:				
DUKE UNIVERSITY/DURHAM, NC	47.050	#14-NSF-1074	-	45,331
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.050	0000000186	-	2,699
COLUMBIA UNIVERSITY/NEW YORK, NY	47.050	2(GG013237)	-	39,719
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	47.050	83829300	-	52,236
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	47.050	R02162	-	556
OREGON STATE UNIVERSITY/CORVALLIS, OR	47.050	S2295C-F	-	17,280
Computer and Information Science and Engineering				
Pass through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	#083276-17340	-	(2,529)
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	47.070	00010542	-	90,000
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	083842-16099	-	81,827
JOHNS HOPKINS UNIV/BALTIMORE, MD	47.070	2005091754	-	88,170
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	2021CIF-GEORGIA TECH-38	-	73,499
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	2021CIF-GEORGIA TECH-39	-	73,499
VIRGINIA TECH/BLACKSBURG, VA	47.070	480073-19034	-	70,561
VIRGINIA TECH/BLACKSBURG, VA	47.070	480366-19034	-	40,441
NORTHEASTERN UNIVERSITY/BOSTON, MA	47.070	502658-78052	-	5,075
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	47.070	5115818	-	50,322
UNIVERSITY OF CALIFORNIA/DAVIS, CA	47.070	A18-0727-S001	-	23,065
UNIVERSITY OF ALABAMA/TUSCALOOSA, AL	47.070	A19-0027-S001	-	(19,336)
UNIVERSITY OF TENNESSEE/	47.070	A19-0308-S001	-	59,082

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**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2022

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 CHICAGO/CHICAGO, IL	47.070	AWD064198 (SUB00000575)	\$ -	\$ 5,684
BARNARD COLLEGE/NEW YORK, NY	47.070	GT-1828168	-	79,603
UNIVERSITY OF CALIFORNIA/SANTA BARBARA, CA	47.070	KK1926	-	87,505
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.070	S4021, PO#243310	-	70,431
UNIVERSITY OF GEORGIA RESEARCH FDN/ATHENS, GA	47.070	SUB000023660	-	6,630
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.070	UTA19-001218	-	41,333
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.070	UWSC9939	-	(13,345)
Biological Sciences				
Pass through from:				
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.074	11361	-	81,411
CORNELL UNIVERSITY/ITHACA, NY	47.074	T.O. 1	-	35,841
Social, Behavioral, and Economic Sciences				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	47.075	#A108033	-	(9,044)
SEARCH TECHNOLOGY INC/	47.075	STI-GTRC-18-1	-	10,998
UNIVERSITY OF MICHIGAN/	47.075	SUBK00010837	-	162,687
EMORY UNIVERSITY/ATLANTA, GA	47.075	T610300	-	(24,379)
Education and Human Resources				
Pass through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.076	097202-17661	-	11,669
UNIVERSITY OF COLORADO/BOULDER, CO	47.076	1554503	-	(465)
UNIVERSITY OF COLORADO/BOULDER, CO	47.076	1559732	-	34,573
GEORGIA RESEARCH ALLIANCE/ATLANTA, GA	47.076	2112532-GATECH	-	432,910
AMERICAN CHEMICAL SOCIETY	47.076	AGMT DTD 5/28/19	-	17,439
AMERICAN CHEMICAL SOCIETY	47.076	AGMT DTD 6/17/2020	-	38,074
NORTHWESTERN UNIVERSITY/EVANSTON, IL	47.076	SP0049508-PROJ0013883	-	135,023
UNIVERSITY OF GEORGIA/ATHENS, GA	47.076	SUB00001592	-	49,000
Polar Programs				
Pass through from:				
UNIVERSITY OF KANSAS/LAWRENCE, KS	47.078	FY2022-008	-	96,899
Office of Integrative Activities				
Pass through from:				
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.083	1913	-	42,626
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	47.083	104051-Z3820202	-	36,262
EDUWORKS/CORVALLIS, OR	47.083	GAT6120	-	19,666
EDUWORKS/CORVALLIS, OR	47.083	GAT9120	-	410,523
OREGON STATE UNIVERSITY/CORVALLIS, OR	47.083	S2232A-C	-	40,292
VANDERBILT UNIVERSITY/NASHVILLE, TN	47.083	UNIV61733	-	106,999
Total National Science Foundation			7,216,615	69,837,932
OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE				
Intelligence Community Centers for Academic Excellence	54.001		325,908	917,275
Intelligence Community Centers for Academic Excellence				
Pass through from:				
BROWN UNIVERSITY/PROVIDENCE, RI	54.001	00001811	-	380,688
DUKE UNIVERSITY/DURHAM, NC	54.001	313-0639	-	27,528
ARIZONA STATE UNIVERSITY/TEMPE, AZ	54.001	ASUB000000950	-	48,579
Total OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE			325,908	1,374,070
Department of Veteran Affairs				
Research and Development	64.054		-	50,279
Total Department of Veteran Affairs			-	50,279
Environmental Protection Agency				
Science To Achieve Results (STAR) Research Program	66.509		-	272,401
Pollution Prevention Grants Program	66.708		-	86,955
Office of Research and Development Consolidated Research/Training/Fellowships				
Pass through from:				
HEALTH EFFECTS INSTITUTE/CAMBRIDGE, MA	66.511	4988-RFA20-1A/21-11	-	24,090
LAKE MICHIGAN AIR DIRECTORS CONSORTIUM (LADCO)/ROSEMONT, IL	66.511	AGMT DTD 9-29-2021	-	72,404
Science To Achieve Results (STAR) Fellowship Program				
Pass through from:				
LAKE MICHIGAN AIR DIRECTORS CONSORTIUM (LADCO)/ROSEMONT, IL	66.514	AGMT DTD 3/8/2021	-	64,733
GA DEPT NATURAL RESOURCES/	66.514	AGR DTD 4/7/2021	-	40,119
UNIVERSITY OF GEORGIA/ATHENS, GA	66.514	SUB00002418	-	221,209
Total Environmental Protection Agency			-	781,911
Nuclear Regulatory Commission				
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008		-	154,587
Total Nuclear Regulatory Commission			-	154,587
Department of Energy				
Cybersecurity, Energy Security & Emergency Response (CESER)	81.008		164,047	844,479
Office of Science Financial Assistance Program	81.049		1,353,711	8,157,252
Conservation Research and Development	81.086		238,903	1,832,868
Renewable Energy Research and Development	81.087		536,433	3,302,953
Fossil Energy Research and Development	81.089		89,101	1,557,219
Stewardship Science Grant Program	81.112		-	342,893
Defense Nuclear Nonproliferation Research	81.113		3,840,380	5,338,807
Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Techni	81.117		145,952	291,030
Nuclear Energy Research, Development and Demonstration	81.121		460,494	1,847,038
Electricity Delivery and Energy Reliability, Research, Development and Analysis	81.122		55,315	107,333
Advanced Research Projects Agency - Energy	81.135		864,564	4,023,030
Artificial Intelligence and Technology Office Financial Assistance Program				
Pass through from:				
FAMU	81.012	C-5133	-	3,315

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**GEORGIA TECH RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2022

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
Office of Science Financial Assistance Program				
Pass through from:				
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AICHE)/NEW YORK, NY	81.049	148101	\$ -	\$ 24,490
VANDERBILT UNIVERSITY/NASHVILLE, TN	81.049	#19067-S12	-	242,123
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	81.049	0000001272	-	36,438
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/AIKEN, SC	81.049	0000509186	-	3,182
SAVANNAH RIVER NATIONAL LABORATORY/BATTELLE SAVANNAH RIVER ALLIANCE/	81.049	0000546198	-	30,783
SAVANNAH RIVER NATIONAL LABORATORY/BATTELLE SAVANNAH RIVER ALLIANCE/	81.049	0000555848	-	29,985
SUSTAINABLE MANUFACTURING INNOVATION ALLIANCE CORP/WEST HENRIETTA, N	81.049	1	-	49,729
SANDIA NATL LABS/SANDIA CORP	81.049	110904	-	(7,124)
BROWN UNIVERSITY/PROVIDENCE, RI	81.049	1289	-	102,723
FLUOR MARINE PROPULSION LLC/WEST MIFFLIN, PA	81.049	131210	-	288,467
SANDIA NATL LABS/SANDIA CORP	81.049	1441449	-	44
MILLENNITEK LLC/KNOXVILLE, TN	81.049	146470	-	63,364
CONTINUUM DYNAMICS INC/EWING, NJ	81.049	147072	-	107,903
GLOBAL TECHNOLOGY CONNECTIONS/ATLANTA, GA	81.049	147590	-	64,739
SANDIA NATL LABS/SANDIA CORP	81.049	1695955	-	74,111
SANDIA NATL LABS/SANDIA CORP	81.049	1744348	-	(4,289)
SANDIA NATL LABS/SANDIA CORP	81.049	1767660	-	82
SANDIA NATL LABS/SANDIA CORP	81.049	1871005	-	25
SANDIA NATL LABS/SANDIA CORP	81.049	1907283	-	55,071
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	190986	-	2,227
SANDIA NATL LABS/SANDIA CORP	81.049	1930550	-	(12,190)
SANDIA NATL LABS/SANDIA CORP	81.049	1975640	-	(10,000)
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	1F-60516	-	25,077
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	1F-60591	-	33,315
SANDIA NATL LABS/SANDIA CORP	81.049	2001728	-	22,486
JOHNS HOPKINS UNIV/BALTIMORE, MD	81.049	2004690045	-	161,921
SANDIA NATL LAB	81.049	2013350	-	30
GEORGIA DEPT OF TRANSPORTATION	81.049	2014-111	-	146,417
SANDIA NATL LABS/SANDIA CORP	81.049	2015247	63,116	78,647
GEORGIA DEPT OF TRANSPORTATION	81.049	2022-02, RES PROJ 21-06	-	3,850
SANDIA NATL LABS/SANDIA CORP	81.049	2041627	-	(1,914)
SANDIA NATL LABS/SANDIA CORP	81.049	2044983	-	78,745
SANDIA NATL LABS/SANDIA CORP	81.049	2051479	-	38,233
SANDIA NATL LABS/SANDIA CORP	81.049	2075873	-	(1,300)
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	207604	27,608	44,272
SANDIA NATL LAB	81.049	2078144	-	(1,475)
SANDIA NATL LABS/SANDIA CORP	81.049	2079964	-	61,834
SANDIA NATL LABS/SANDIA CORP	81.049	2080123	-	74,485
SANDIA NATL LABS/SANDIA CORP	81.049	2085524	-	60,774
SANDIA NATL LABS/SANDIA CORP	81.049	2086636	-	23,104
SANDIA NATL LABS/SANDIA CORP	81.049	2088470	-	94,245
SANDIA NATL LABS/SANDIA CORP	81.049	2088556	-	5,842
SANDIA NATL LABS/SANDIA CORP	81.049	2094078	-	12,236
SANDIA NATL LABS/SANDIA CORP	81.049	2099968	-	17,045
SANDIA NATL LABS/SANDIA CORP	81.049	2103933	-	163,938
SANDIA NATL LABS/SANDIA CORP	81.049	2104076	-	124,217
SANDIA NATL LABS/SANDIA CORP	81.049	2120337	-	66,366
SANDIA NATL LABS/SANDIA CORP	81.049	2132596	-	19,028
SANDIA NATL LABS/SANDIA CORP	81.049	2136977	-	27,934
SANDIA NATL LABS/SANDIA CORP	81.049	2137351	-	(2,927)
SANDIA NATL LABS/SANDIA CORP	81.049	2139970	-	6,980
SANDIA NATL LABS/SANDIA CORP	81.049	2141852	-	60,000
SANDIA NATL LABS/SANDIA CORP	81.049	2146288	-	185,041
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	215043	-	42,179
SANDIA NATL LABS/SANDIA CORP	81.049	2151489	-	9,218
SANDIA NATL LAB	81.049	2156722	-	(2,408)
SANDIA NATL LABS/SANDIA CORP	81.049	2163299	-	40,739
SANDIA NATL LABS/SANDIA CORP	81.049	2167843	-	85,474
SANDIA NATL LAB	81.049	2167910	-	112,417
SANDIA NATL LAB	81.049	2170449	-	(255)
SANDIA NATL LABS/SANDIA CORP	81.049	2173263	-	37,395
SANDIA NATL LABS/SANDIA CORP	81.049	2181623	-	45,041
SANDIA NATL LABS/SANDIA CORP	81.049	2182814	-	21,197
SANDIA NATL LABS/SANDIA CORP	81.049	2182878	-	54,193
SANDIA NATL LABS/SANDIA CORP	81.049	2183815	-	28,027
SANDIA NATL LABS/SANDIA CORP	81.049	2196829	-	27,744
SANDIA NATL LABS/SANDIA CORP	81.049	2197001	-	63,014
SANDIA NATL LABS/SANDIA CORP	81.049	2200840	-	58,914
SANDIA NATL LABS/SANDIA CORP	81.049	2201282	-	58,606
SANDIA NATL LABS/SANDIA CORP	81.049	2204587	-	210,683
SANDIA NATL LABS/SANDIA CORP	81.049	2204644	-	93,232
SANDIA NATL LABS/SANDIA CORP	81.049	2205488	-	72,693
SANDIA NATL LABS/SANDIA CORP	81.049	2205639	-	68,493
SANDIA NATL LABS/SANDIA CORP	81.049	2206492	-	92,409
SANDIA NATL LABS/SANDIA CORP	81.049	2208511	-	67,955
SANDIA NATL LABS/SANDIA CORP	81.049	2208925	-	37,786
SANDIA NATL LABS/SANDIA CORP	81.049	2210029	-	71,068
SANDIA NATL LABS/SANDIA CORP	81.049	2210236	-	233,477
SANDIA NATL LAB	81.049	2210321	-	34,115
SANDIA NATL LABS/SANDIA CORP	81.049	2211212	-	17,289
SANDIA NATL LABS/SANDIA CORP	81.049	2214568	-	61,241
SANDIA NATL LABS/SANDIA CORP	81.049	2214694	-	23,496
SANDIA NATL LABS/SANDIA CORP	81.049	2214821	-	26,548
SANDIA NATL LABS/SANDIA CORP	81.049	2216268	\$ -	\$ 49,890
SANDIA NATL LABS/SANDIA CORP	81.049	2217491	-	57,083

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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
YEAR ENDED JUNE 30, 2022

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	2218472	-	10,468
SANDIA NATL LABS/SANDIA CORP	81.049	2218478	-	9,578
SANDIA NATL LABS/SANDIA CORP	81.049	2220704	-	82,194
SANDIA NATL LABS/SANDIA CORP	81.049	2224297	-	27,400
SANDIA NATL LABS/SANDIA CORP	81.049	2224531	-	50,000
SANDIA NATL LABS/SANDIA CORP	81.049	2234323	-	23,071
SANDIA NATL LABS/SANDIA CORP	81.049	2236434	-	1,799
SANDIA NATL LAB	81.049	2243697	-	48,495
SANDIA NATL LABS/SANDIA CORP	81.049	2248233	-	40,715
SANDIA NATL LABS/SANDIA CORP	81.049	2249126	-	46,830
SANDIA NATL LABS/SANDIA CORP	81.049	2252364	-	107,837
SANDIA NATL LABS/SANDIA CORP	81.049	2256491	-	188,633
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	226040	-	49,708
SANDIA NATL LABS/SANDIA CORP	81.049	2295870	-	49,430
SANDIA NATL LABS/SANDIA CORP	81.049	2302413	-	80,853
SANDIA NATL LABS/SANDIA CORP	81.049	2302845	-	45,506
SANDIA NATL LABS/SANDIA CORP	81.049	2303121	-	20,170
SANDIA NATL LABS/SANDIA CORP	81.049	2308639	-	49,299
SANDIA NATL LABS/SANDIA CORP	81.049	2309893	-	110,381
SANDIA NATL LABS/SANDIA CORP	81.049	2311964	-	93,288
SANDIA NATL LABS/SANDIA CORP	81.049	2321430	-	94,909
SANDIA NATL LABS/SANDIA CORP	81.049	2322380	-	33,465
SANDIA NATL LABS/SANDIA CORP	81.049	2324303	-	45,298
SANDIA NATL LABS/SANDIA CORP	81.049	2325234	-	39,082
SANDIA NATL LABS/SANDIA CORP	81.049	2333195	-	129,511
SANDIA NATL LABS/SANDIA CORP	81.049	2335698	-	67,892
SANDIA NATL LABS/SANDIA CORP	81.049	2337470	-	47,630
SANDIA NATL LABS/SANDIA CORP	81.049	2343910	-	56,225
SANDIA NATL LABS/SANDIA CORP	81.049	2359215	-	45,845
SANDIA NATL LABS/SANDIA CORP	81.049	2362549	-	7,905
SANDIA NATL LAB	81.049	2382059	-	16,685
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	245139	-	36,709
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	254172	-	78,865
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	255609	-	5,790
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	256854	-	36,735
BROOKHAVEN NATIONAL LAB/UPTON, NY	81.049	343172	-	103,193
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000125663	-	12,464
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000167866	-	103,683
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000170517	-	47
OAK RIDGE NATL LAB	81.049	4000171856	-	1,794
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000175377	-	44,570
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000177997	-	9,196
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000181240	-	25,540
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000191058	-	60,000
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192646	-	162,875
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192659	-	115,879
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192834	-	168,442
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192842	-	169,160
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192884	-	54,456
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192889	-	42,593
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000193240	-	31,290
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000193275	61,935	129,249
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000193316	-	202,372
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000193660	-	33,289
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000194317	-	62,234
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000200212/CW34632	-	3,849
CONSOLIDATED NUCLEAR SECURITY LLC/OAK RIDGE, TN	81.049	4300161789	-	86,876
CONSOLIDATED NUCLEAR SECU	81.049	4300166311	-	66,972
CONSOLIDATED NUCLEAR SECU	81.049	4300172993	-	79,638
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	439121	-	(2,373)
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	525225	-	7,722
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS	81.049	528054	-	32,884
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	535498	-	172,458
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	81.049	535932	-	512,170
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS	81.049	545066	-	4,798
LOS ALAMOS NATL	81.049	547813	-	1,746,236
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	556927	-	7,077
BATTELLE PNW	81.049	566467	-	46,799
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	571871	-	49,999
LOS ALAMOS NATL	81.049	609605	-	7,321
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS	81.049	613160	-	131,909
SOUTHERN COMPANY SERVICES INC / GEORGIA	81.049	62668	-	94,899
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS	81.049	628281	-	73,455
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS	81.049	633534	-	68,473
FERMILAB/BATAVIA, IL	81.049	655410	-	(34,077)
STATE UNIV OF NY AT STONY BROOK/STONY BROOK, NY	81.049	68856-TASK 3, PROJ. 1119493	-	60,519
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7360408	-	289,107
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7547203	-	60,400
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7587126	-	100,000
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7587697	-	45,276
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7593297	-	58,015
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7616952	-	28,293
UNIVERSITY OF WISCONSIN - DISABILITY RESOURCE CENTER/MADISON, WI	81.049	775K563	-	(85)

See accompanying notes to the Schedule of Expenditures and Federal Awards.

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

YEAR ENDED JUNE 30, 2022

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
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	8F-30135	\$ -	(19,831)
INERT PLASMA CHARGING LLC/CHANDLER,AZ	81.049	9/2/2020 ATP	-	80,000
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	9F-60044	-	39,850
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	81.049	A003127003	-	96,940
SAINT GOBAIN RARCH & DEVELOPMENT/NORTHBORO,MA	81.049	AGR DTD 9/17/2021	-	94,593
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	AVTC12	-	56,969
UNIVERSITY OF PITTSBURG/PITTSBURG, PA	81.049	AWD00001252 (415707-1)	-	97,084
SANDIA NATL LABS/SANDIA CORP	81.049	AWD-102245	-	67,384
LAWR LIVERMORE NATL LAB	81.049	B617458	-	2
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B636911	-	88,606
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B639903	-	(2,729)
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B642896	-	49,070
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B643120	-	68,776
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B644118	-	120,023
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B644400	-	66,439
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B650575	-	26,292
CORMETECH INC/CHARLOTTE, NC	81.049	CM-DOE-002	-	100,260
HALLIBURTON ENERGY SERVICES/DUNCAN, OK	81.049	DE-FG02-01ER54656	-	431,370
HONEYWELL INC	81.049	DE-NA0002839	-	(11,013)
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/AIKEN, SC	81.049	GT00005	-	41,602
PHILLIPS 66 CO/BARTLESVILLE, OK	81.049	GTRC AGMT DTD. 12/08/2020	-	397,566
CALABAZAS CREEK RESEARCH	81.049	GTRC AMT 144752 DTD012-2-2020	-	7,873
HONEYWELL INC	81.049	N000037174	-	262,650
HONEYWELL INC	81.049	N000250980	-	(99)
HONEYWELL INC	81.049	N000293974	-	7,563
HONEYWELL INC	81.049	N000300107	-	808
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000384469	-	68,109
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000384869	-	43,455
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000386587	-	47,002
Honeywell Federal Manufac	81.049	N000388591	-	131,515
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000421066	-	46,770
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000423693	-	142,435
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000424246	-	69,466
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000429409	-	170,626
LEIDOS INC/MCLEAN, VA	81.049	P010230959	-	221
SANDIA NATL LABS/SANDIA CORP	81.049	PO 2112650	-	73,130
IBM CORPORATION/	81.049	PO DTD 3/2/2022	-	227,727
SOLIDIA TECHNOLOGIES INC/ PISCATAWAY, NJ	81.049	PO NO 013765	-	24,544
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	81.049	R01436	-	84,013
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	81.049	S000014-EARPA	-	150,685
AMES NATIONAL LABORATORY/AMES, IA	81.049	SC-18-463	-	181,574
AMES NATIONAL LABORATORY/AMES, IA	81.049	SC-19-495	-	102,773
PRINCETON UNIVERSITY/PLAINSBOBO, NJ	81.049	SUB0000518	-	84,488
NATIONAL RENEWABLE ENERGY LAB (NREL)	81.049	SUB-2021-10429	-	78,308
CISCO SYSTEMS/SAN JOSE, CA	81.049	TASK ORDER #13	-	73,928
GEORGIA DEPT OF TRANSPORTATION	81.049	TASK ORDER 2022-03 RP 21-09	-	37,874
GEORGIA DEPT OF TRANSPORTATION	81.049	TASK ORDER NO. 2022-01	-	20,578
Conservation Research and Development				
Pass through from:				
VIRGINIA TECH APPLIED RESEARCH CORPORATION/BLACKSB	81.086	#429399-19034	-	20,508
UNIVERSITY OF TENNESSEE/	81.086	A21-0468-S001	-	120,060
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	81.086	GQ10077	-	81,929
NIKOLA MOTOR COMPANY/PHOENIX, AZ	81.086	GTRC 141800 DTD 05/26/2021	-	48,330
Renewable Energy Research and Development				
Pass through from:				
UNIVERSITY OF DELAWARE/NEWARK, DE	81.087	#53038	-	97,044
ELECTRIC POWER RES INST/	81.087	10012453	-	98,399
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	81.087	101795-18675	-	61
UNIVERSITY OF CALIFORNIA/SAN DIEGO,CA	81.087	1916-1689	-	29,209
TEXAS TECH UNIVERSITY/LUBBOCK, TX	81.087	210345-01	-	111,332
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AICHE)/NEW YORK, NY	81.087	4	-	36,248
ARIZONA STATE UNIVERSITY/TEMPE, AZ	81.087	ASUB00000586	-	212,311
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AICHE)/NEW YORK, NY	81.087	DE-EE0007888-06-4B	-	(1,108)
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AICHE)/NEW YORK, NY	81.087	DE-EE0007888-09-6	-	37,681
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AICHE)/NEW YORK, NY	81.087	DE-EE0007888-10-5	153,921	381,113
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	81.087	M1900414	-	85,922
GAS TECHNOLOGY INSTITUTE/DES PAINES, IL	81.087	S1082	-	189,744
NORTHWESTERN UNIVERSITY/EVANSTON, IL	81.087	SP0045962-PROJ0012882	-	3,242
VANDERBILT UNIVERSITY/NASHVILLE, TN	81.087	UNIV58977	-	(20,209)
UNIVERSITY OF WASHINGTON/SEATTLE, WA	81.087	UWSC11179	-	64,101
Fossil Energy Research and Development				
Pass through from:				
GLOBAL THERMOSTAT/NEW YORK, NY	81.089	AGMT DTD 9/3/2021	-	79,304
PAVEMENT ANALYTICS/TALLAHASSEE,FL	81.089	AGR DTD 1 APR 2020	-	76,537
SOUTHWEST RESEARCH INSTITUTE/	81.089	L99007RI	-	(98)
SOUTHWEST RESEARCH INSTITUTE/	81.089	M99005RR	-	12,993
Defense Nuclear Nonproliferation Research				
Pass through from:				
UNIVERSITY OF MICHIGAN/	81.113	SUBK0009797	-	310,897
Nuclear Energy Research, Development and Demonstration				
Pass through from:				
SYRACUSE UNIVERSITY/SYRACUSE, NY	81.121	#30308-05133-S01	-	93,501
AUBURN UNIVERSITY/AUBURN, ALABAMA	81.121	22-MREC-211755-GTRC	-	38,820
UNIVERSITY OF NEBRASKA/LINCOLN, NE	81.121	25-1120-0014-004	-	27,124
UNIVERSITY OF TENNESSEE/	81.121	A20-0408-S0001	-	15,461
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	81.121	M2201185-28-520490-00002	-	37,709

See accompanying notes to the Schdule of Expenditures and Federal Awards.

**GEORGIA TECH RESEARCH CORPORATION,
GEORGIA TECH APPLIED RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
YEAR ENDED JUNE 30, 2022

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
Advanced Research Projects Agency - Energy				
Pass through from:				
LEHIGH UNIVERSITY/BETHLEHEM, PA	81.135	#543891-78003	\$ -	\$ 48,975
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	81.135	1070254-427580	-	59,299
RENSSELAER POLYTECHNIC INST/IT/TROY, NY	81.135	A12820	-	14
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	81.135	S4872, PO#374367	-	97,409
UNIVERSITY OF MICHIGAN/	81.135	SUBK00010993	-	55,743
UNIVERSITY OF WASHINGTON/SEATTLE, WA	81.135	UWSC13102	-	70,651
Total Department of Energy			8,055,480	46,174,161
Department of Education				
National Resource Centers Program for Foreign Language and Area Studies or Foreign Language ar	84.015		406,782	461,276
Rehabilitation Services Independent Living Services for Older Individuals Who are Blind	84.177		-	601,636
Graduate Assistance in Areas of National Need	84.200		-	40,559
Centers for International Business Education	84.220		-	294,585
Graduate Assistance in Areas of National Need	84.200		-	7,399
Higher Education Emergency Relief Funding - Institutional Portion	84.425F		-	251,495
Fund for the Improvement of Postsecondary Education				
Pass through from:				
GWINNETT COUNTY PUBLIC SC	84.116	AGR DTD 6-18-2021	-	20,944
BOARD OF REGENTS OF THE UNIVERSITY SYSTEM OF GA – WEB SERVICES/ATLANT	84.116	SLA DTD 2 MAR 2020	-	3,438
Elementary and Secondary School Emergency Relief Fund				
Pass through from:				
GEORGIA STATEWIDE AFTERSCHOOL NETWORK/ATLANTA, GA	84.425U	S425U210012	-	74,993
Total Department of Education			406,782	1,756,325
Department of Health and Human Services				
Food and Drug Administration_Research	93.103		113,929	611,889
Environmental Health	93.113		22,509	32,084
Oral Diseases and Disorders Research	93.121		793,464	2,027,765
Health Program for Toxic Substances and Disease Registry	93.161		1,856,463	7,065,226
Research Related to Deafness and Communication Disorders	93.173		-	361,854
Mental Health Research Grants	93.242		721,600	1,481,847
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		437,293	3,004,882
Trans-NIH Research Support	93.310		101,545	1,709,410
21st Century Cures Act -Brain Research through Advancing Innovative Neurotechnologies	93.372		-	112
Cancer Detection and Diagnosis Research	93.394		-	224,090
Cancer Treatment Research	93.395		354,223	2,096,688
Cancer Biology Research	93.396		1,524,347	3,145,687
Cancer Research Manpower	93.398		-	22,408
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433		479,603	2,942,127
CDC Undergraduate Public Health Scholars Program (CUPS): A Public Health Experience to Expose	93.456		83,309	237,514
ACL Assistive Technology	93.464		115,467	441,324
Cardiovascular Diseases Research	93.837		1,814,460	3,833,606
Lung Diseases Research	93.838		182,755	496,881
Blood Diseases and Resources Research	93.839		6,831	456,610
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		21,622	1,573,331
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		94,174	563,489
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		848,701	4,362,073
Allergy and Infectious Diseases Research	93.855		244,867	1,867,497
Biomedical Research and Research Training	93.859		295,176	6,114,115
Child Health and Human Development Extramural Research	93.865		328,471	903,662
Aging Research	93.866		212,817	1,032,161
Vision Research	93.867		421,381	1,905,000
International Research and Research Training	93.989		356,050	3,407,501
Preventive Health and Health Services Block Grant	93.991		18,473	281,518
Special Programs for the Aging, Title IV, and Title II, Discretionary Projects				
Pass through from:				
DHS DIVISION OF AGING SERVICES/ATLANTA,GA	93.048	42700-373-0000098226	10,547	67,939
ASSOCIATION FOR ASSISTIVE TECHNOLOGY ACT PROGRAMS/SPRINGFIELD, IL	93.048	AGMT EXEC 5/18/2021	-	50,000
Birth Defects and Developmental Disabilities - Prevention and Surveillance				
Pass through from:				
TASK FORCE GLOBAL HEALTH	93.073	U38OT000316	-	28,647
Prevention of Disease, Disability, and Death by Infectious Diseases				
Pass through from:				
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.084	GF11175.169404	-	15,001
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.084	GF11176.169201	-	29,998
Food and Drug Administration_Research				
Pass through from:				
MASSACHUSETTS GENERAL HOSPITAL/BOSTON, MA	93.103	236632	-	227,458
UNIVERSITY OF GEORGIA/ATHENS, GA	93.103	SUB00001793	-	77,458
UNIVERSITY OF GEORGIA/ATHENS, GA	93.103	SUB00002147	-	25,920
Environmental Health				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.113	A478502	-	86,009
EMORY UNIVERSITY/ATLANTA, GA	93.113	A507001	-	35,845
EMORY UNIVERSITY/ATLANTA, GA	93.113	A561670	-	27,350
EMORY UNIVERSITY/ATLANTA, GA	93.113	A662282 (FORMALLY T779501)	-	37,338
Oral Diseases and Disorders Research				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.121	A318705	-	188,402
EMORY UNIVERSITY/ATLANTA, GA	93.121	T825580	-	52,669
Injury Prevention and Control Research and State and Community Based Programs				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.136	A370066	-	30,692

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**GEORGIA TECH RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
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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
Health Program for Toxic Substances and Disease Registry				
Pass through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	93.161	097536-17865	\$ -	(332)
BIRKELAND CURRENT/PRUF ENERGY CONTROLS/WACO, TX	93.161	145597	-	93,446
M S TECHNOLOGIES CORPORATION/ROCKVILLE, MD	93.161	146440	-	199,106
WEILL CORNELL MEDICAL COLLEGE/NEW YORK, NY	93.161	200197	-	43,342
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	93.161	2019-2552-01	-	80,077
COLORADO STATE UNIVERSITY/COLLINS, CO	93.161	G-64112-03	-	90,394
MAYO CLINIC/ROCHESTER, MN	93.161	GEO-234122/PO#67525100	-	48,451
MAYO CLINIC/ROCHESTER, MN	93.161	GEO-259345	-	85,496
Research Related to Deafness and Communication Disorders				
Pass through from:				
UNIVERSITY OF TEXAS AT DALLAS/RICHARDSON, TX	93.173	UTA19-001005	-	258,982
Drug Abuse and Addiction Research Programs				
Pass through from:				
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	93.279	0000001580	-	18,839
EMORY UNIVERSITY/ATLANTA, GA	93.279	A371765 (A555961 SUPPLEMENT)	-	110,669
EMORY UNIVERSITY/ATLANTA, GA	93.279	A584294	-	51,538
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.279	S50142-PO 453106	-	176,764
Discovery and Applied Research for Technological Innovations to Improve Human Health				
Pass through from:				
STANFORD UNIVERSITY/STANFORD, CA	93.286	62440498-142337	-	39,819
EMORY UNIVERSITY/ATLANTA, GA	93.286	A325090	-	510,142
EMORY UNIVERSITY/ATLANTA, GA	93.286	A390401	-	90,092
EMORY UNIVERSITY/ATLANTA, GA	93.286	A454923	-	215
EMORY UNIVERSITY/ATLANTA, GA	93.286	A454979	-	2
EMORY UNIVERSITY/ATLANTA, GA	93.286	A547154	-	34,203
EMORY UNIVERSITY/ATLANTA, GA	93.286	A547167	-	87,190
EMORY UNIVERSITY/ATLANTA, GA	93.286	A548457	-	76,022
UNIVERSITY OF PITTSBURGH/PITTSBURGH, PA	93.286	AWD00003057(135510-1)	-	31,418
EMORY UNIVERSITY/ATLANTA, GA	93.286	AWD-002052	-	228,440
MICHIGAN STATE UNIVERSITY/EAST LANSING, MI	93.286	RC104170GT	-	208
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.286	S5408	-	94,291
Minority Health and Health Disparities Research				
Pass through from:				
NORTHEASTERN UNIVERSITY/BOSTON, MA	93.307	500759-78052	-	65,825
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.307	SIMON U54S-341004-31001GT	-	27,266
Trans-NIH Research Support				
Pass through from:				
UCLA/LOS ANGELES, CA	93.310	0125 GWD486	-	54,375
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	93.310	106390-18695	-	16,295
UNIVERSITY OF CALIFORNIA	93.310	118211663	-	22,511
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO/SAN FRANCISCO, CA	93.310	12869SC	-	49,102
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO/SAN FRANCISCO, CA	93.310	13026SC	-	11,775
SIRPANT/HUMMELSTOWN, PA	93.310	150780	-	19,250
AMERICAN ASSOCIATION ON HEALTH AND DISABILITY/ROCKVILLE, MD	93.310	151132	-	19,805
CREIGHTON UNIVERSITY/OMAHA, NE	93.310	270766-2-1	-	28,709
CHILDREN'S RESEARCH INSTITUTE/WASHINGTON, DC	93.310	30006286-03	-	146,579
GEORGIA DEPARTMENT OF PUBLIC HEALTH/ATLANTA, GA	93.310	40500-036-21213723	-	78,445
IBM CORP/GA	93.310	4700266271	-	(1,739)
NORTHWESTERN UNIVERSITY/EVANSTON, IL	93.310	60058446 GTRC	-	52,586
EMORY UNIVERSITY/ATLANTA, GA	93.310	A373816	-	113,005
EMORY UNIVERSITY/ATLANTA, GA	93.310	A395206	-	22,008
EMORY UNIVERSITY/ATLANTA, GA	93.310	A464642	-	67,611
EMORY UNIVERSITY/ATLANTA, GA	93.310	A513134	-	122,348
EMORY UNIVERSITY/ATLANTA, GA	93.310	A520841	-	176,590
EMORY UNIVERSITY/ATLANTA, GA	93.310	A540629	-	14,231
EMORY UNIVERSITY/ATLANTA, GA	93.310	A569656	-	43,760
EMORY UNIVERSITY/ATLANTA, GA	93.310	A576223	-	31,030
EMORY UNIVERSITY/ATLANTA, GA	93.310	A577288	-	51,538
EMORY UNIVERSITY/ATLANTA, GA	93.310	A587065	-	28,601
EMORY UNIVERSITY/ATLANTA, GA	93.310	A622987	-	257,126
EMORY UNIVERSITY/ATLANTA, GA	93.310	ADV PROJECT	-	89,446
TASK FORCE GLOBAL HEALTH	93.310	AGMT DTD 12/17/2021	-	203,460
MAYO CLINIC/ROCHESTER, MN	93.310	GEO-281375/PO#67946792	-	70,403
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	93.310	N008741501	-	81,295
VIRGINIA COMMONWEALTH UNIVERSITY/RICHMOND, VA	93.310	NO. FP00012824_SA001	-	76,013
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.310	PRC-703 HENRY AKINTOBI	-	45,060
THE MARCUS FOUNDATION INC./ATLANTA, GA	93.310	SUB 1701192	-	29,834
UNIVERSITY OF GEORGIA/ATHENS, GA	93.310	SUB00001822	-	210,884
VANDERBILT UNIVERSITY	93.310	VUMC73117	-	75,652
National Center for Advancing Translational Sciences				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.350	141773	-	(7,520)
EMORY UNIVERSITY/ATLANTA, GA	93.350	A516200	-	444,588
EMORY UNIVERSITY/ATLANTA, GA	93.350	A520872	-	4,937
EMORY UNIVERSITY/ATLANTA, GA	93.350	A540119	-	54,101
EMORY UNIVERSITY/ATLANTA, GA	93.350	A616167	-	6,741
GEORGIA CLINICAL & TRANSL	93.350	UL1TR002378	-	(572)
Research Infrastructure Programs				
Pass through from:				
Biomedical Advanced Research and Development Authority (BARDA), Biodefense Medical Countermeasure Development				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.360	A240077	-	6,052
LOCKHEED MARTIN CORP	93.360	LM0065920	-	(29)

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Nursing Research				
Pass through from:				
QUA INC/NEW ROCHELLE,NY	93.361	146692	\$ -	\$ 1,693
National and State Tobacco Control Program				
Pass through from:				
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	93.387	1R01HL147256-01	-	341,379
Cancer Detection and Diagnosis Research				
Pass through from:				
NEW YORK UNIVERSITY LANGONE MEDICAL CENTER/NEW YORK, NY	93.394	19-A1-00-1002648	-	172,951
Cancer Treatment Research				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.395	A392350	-	86,006
UNIVERSITY OF MICHIGAN/	93.395	SUBK00008227	-	9,823
Cancer Biology Research				
Pass through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	93.396	102664-18602	-	106,637
EMORY UNIVERSITY/ATLANTA, GA	93.396	T953287	-	(160)
Cancer Centers Support Grants				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.397	A569664	-	44,146
Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health				
Pass through from:				
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	93.421	5 NU38OT000297-02-00	-	37,625
ACL National Institute on Disability, Independent Living, and Rehabilitation Research				
Pass through from:				
UNIVERSITY OF PITTSBURG/PITTSBURG, PA	93.433	0058440 (130293-1)	-	83,971
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.433	SP00014685-01	-	20,562
ACL Assistive Technology				
Pass through from:				
ASSOCIATION FOR ASSISTIVE TECHNOLOGY ACT PROGRAMS/SPRINGFIELD, IL	93.464	AGMT EXEC 9/30/2021	-	3,981
Opioid STR				
Pass through from:				
GA DEPT OF BEHAVIORAL HLTH AND DEVP DISABILITIES/ATLANTA,GA	93.788	44100-906-0000171332	-	31,936
Cardiovascular Diseases Research				
Pass through from:				
BAYLOR COLLEGE OF MEDICINE/HOUSTON, TX	93.837	#P.O. 700000129	-	(105,412)
BRIGHAM AND WOMEN'S HOSPITAL/BOSTON, MA	93.837	126090	-	30,444
UNIVERSITY OF MARYLAND - BALTIMORE/BALTIMORE, MD	93.837	1701192 REQUEST 4732	-	61,561
ROCHESTER INSTITUTE OF TECHNOLOGY/ROCHESTER, NY	93.837	32433-01	-	4,003
EMORY UNIVERSITY/ATLANTA, GA	93.837	A022924	-	136,660
EMORY UNIVERSITY/ATLANTA, GA	93.837	A092263	-	80,304
EMORY UNIVERSITY/ATLANTA, GA	93.837	A430859	-	16,919
EMORY UNIVERSITY/ATLANTA, GA	93.837	A622631	-	40,102
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.837	GENFD0001664762	-	(8,889)
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.837	GENFD0001955860	-	8,889
EMORY UNIVERSITY/ATLANTA, GA	93.837	T586137	-	(21,119)
Lung Diseases Research				
Pass through from:				
PALO ALTO VETERANS INSTITUTE FOR RESEARCH/PALO ALTO, CA	93.838	NIM0003-03	-	22,131
PALO ALTO VETERANS INSTITUTE FOR RESEARCH/PALO ALTO, CA	93.838	NIM0013-03	-	36,228
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.838	PRC-702 HENRY AKINTOBI	-	68,000
Blood Diseases and Resources Research				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.839	A035610	-	81,229
Arthritis, Musculoskeletal and Skin Diseases Research				
Pass through from:				
UNIVERSITY OF OREGON/EUGENE, OREGON	93.846	#217420A	-	203,254
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.846	#SP00013208-01	-	(14,799)
COLUMBIA UNIVERSITY/NEW YORK, NY	93.846	2(GG014632-01)	-	10,520
EMORY UNIVERSITY/ATLANTA, GA	93.846	A505574	-	37,071
Diabetes, Digestive, and Kidney Diseases Extramural Research				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.847	A365287	-	35,638
EMORY UNIVERSITY/ATLANTA, GA	93.847	A375305	-	184,406
EMORY UNIVERSITY/ATLANTA, GA	93.847	A379039	-	33,217
EMORY UNIVERSITY/ATLANTA, GA	93.847	A380085	-	6,410
EMORY UNIVERSITY/ATLANTA, GA	93.847	A380097	-	51,717
EMORY UNIVERSITY/ATLANTA, GA	93.847	A413173	-	7,646
EMORY UNIVERSITY/ATLANTA, GA	93.847	A576210	-	108,079
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.847	SP00013928-02	-	46,441
Extramural Research Programs in the Neurosciences and Neurological Disorders				
Pass through from:				
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.853	#64620	-	69,194
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	93.853	0255-A446-4609	-	252,674
BMSSEED/PHOENIX, AZ	93.853	1R43NS124469-01	-	13,361
DREXEL UNIVERSITY/PHILADELPHIA, PA	93.853	900052	-	91,910
EMORY UNIVERSITY/ATLANTA, GA	93.853	A310511	-	35,415
EMORY UNIVERSITY/ATLANTA, GA	93.853	A567140	-	148,203
EMORY UNIVERSITY/ATLANTA, GA	93.853	A580374	-	126,908
EMORY UNIVERSITY/ATLANTA, GA	93.853	A588417	-	20,504
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.853	MELLER-370078 R01 GT	-	28,079
EMORY UNIVERSITY/ATLANTA, GA	93.853	T990238	-	(533)

See accompanying notes to the Schedule of Expenditures and Federal Awards.

**GEORGIA TECH RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
YEAR ENDED JUNE 30, 2022

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
Allergy and Infectious Diseases Research				
Pass through from:				
BOSTON UNIVERSITY/BOSTON, MA	93.855	#-4500002698	\$ -	(321)
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	93.855	0000001696	-	213,293
UNIVERSITY OF MISSOURI/COLUMBIA, MO	93.855	00071127-1	-	145,472
BRIGHAM AND WOMEN'S HOSPITAL/BOSTON, MA	93.855	123439	-	13,480
UNIVERSITY OF OKLAHOMA/NORMAN, OK	93.855	2020-77	-	62,295
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	93.855	5-53830	-	220,417
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	93.855	5-54515	-	124,036
STANFORD UNIVERSITY/STANFORD, CA	93.855	61989439-131451	-	216,818
EMORY UNIVERSITY/ATLANTA, GA	93.855	A085091	-	107,710
EMORY UNIVERSITY/ATLANTA, GA	93.855	A237526	-	144,706
EMORY UNIVERSITY/ATLANTA, GA	93.855	A301957	-	(16,402)
EMORY UNIVERSITY/ATLANTA, GA	93.855	A451237	-	2,885
EMORY UNIVERSITY/ATLANTA, GA	93.855	A489074	-	41,341
EMORY UNIVERSITY/ATLANTA, GA	93.855	A500863	-	26,563
EMORY UNIVERSITY/ATLANTA, GA	93.855	A540760	-	12,880
EMORY UNIVERSITY/ATLANTA, GA	93.855	A619462	-	61,176
EMORY UNIVERSITY/ATLANTA, GA	93.855	AGREEMENT DTD 8/30/19	-	21,611
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.855	AWD-102943	-	59,825
MAYO CLINIC/ROCHESTER, MN	93.855	GTR-233617	10,881	60,249
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.855	SP00013690-01	-	16,100
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.855	SP00013700-01B	-	128,541
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.855	SP00013890-01	-	109,272
EMORY UNIVERSITY/ATLANTA, GA	93.855	T365272, A122881	-	1
EMORY UNIVERSITY/ATLANTA, GA	93.855	T970397	-	5,375
UNIVERSITY OF WASHINGTON/SEATTLE, WA	93.855	UWSC12199	-	47,050
Biomedical Research and Research Training				
Pass through from:				
HARVARD UNIVERSITY/BOSTON, MA	93.859	133233-5068506	-	7
HARVARD UNIVERSITY/BOSTON, MA	93.859	133286-5112927	-	286,791
NEW YORK UNIVERSITY LANGONE MEDICAL CENTER/NEW YORK, NY	93.859	17-A1-00-007405-01; Project # 109740	-	91,192
EMORY UNIVERSITY/ATLANTA, GA	93.859	A579704	-	44,697
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.859	GB10924.PO#2328965	-	46,845
EMORY UNIVERSITY/ATLANTA, GA	93.859	T674760	-	1,177
Child Health and Human Development Extramural Research				
Pass through from:				
UNIVERSITY OF ILLINOIS/CHICAGO,IL	93.865	18095	-	97,803
INDIANA UNIVERSITY/BLOOMINGTON, IN	93.865	9235_GT	-	35,479
EMORY UNIVERSITY/ATLANTA, GA	93.865	A512754	-	311,890
EMORY UNIVERSITY/ATLANTA, GA	93.865	P16527	-	29,632
Aging Research				
Pass through from:				
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	93.866	#5111414	-	89,791
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	93.866	5118967	-	43,838
UNIVERSITY OF ARIZONA/TUCSON, AZ	93.866	636490	-	39,043
EMORY UNIVERSITY/ATLANTA, GA	93.866	A054728	-	16,567
EMORY UNIVERSITY/ATLANTA, GA	93.866	A338984	-	12
EMORY UNIVERSITY/ATLANTA, GA	93.866	A540603	-	73,767
EMORY UNIVERSITY/ATLANTA, GA	93.866	A558275	-	78,771
WEILL CORNELL MEDICAL COLLEGE/NEW YORK, NY	93.866	ADV PROJECT- SUB W/WCM	-	(1,094)
ARIZONA STATE UNIVERSITY/TEMPE, AZ	93.866	ASUB00000294	-	1,803
MAYO CLINIC/ROCHESTER, MN	93.866	GEO-233617/PO#67304962	37,556	151,564
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	93.866	R000002734	-	6,721
UNIVERSITY OF MICHIGAN/	93.866	SUBK00008360	-	145,297
Vision Research				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.867	#A043837	-	71,967
VIEWPOINT THERAPEUTICS/SAN FRANCISCO, CA	93.867	1R41EY031203-01	-	85,172
CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER/CINCINNATI, OH	93.867	314961	-	15,356
EMORY UNIVERSITY/ATLANTA, GA	93.867	A473306	-	4,840
EMORY UNIVERSITY/ATLANTA, GA	93.867	A473348	-	3,298
EMORY UNIVERSITY/ATLANTA, GA	93.867	A621535	-	45,968
EMORY UNIVERSITY/ATLANTA, GA	93.867	A621613	-	40,982
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	93.867	UTA20-000161	-	31,811
CDC's Collaboration with Academia to Strengthen Public Health				
Pass through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.967	T674525	-	(18,462)
EMORY UNIVERSITY/ATLANTA, GA	93.967	T807472 5P01AI125180-02	-	1
Preventive Health and Health Services Block Grant				
Pass through from:				
UNIVERSITY OF OREGON/EUGENE, OREGON	93.991	215830A	-	176,781
NORTHWESTERN UNIVERSITY/EVANSTON, IL	93.991	60047538 GIT	-	(89,011)
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.991	GENFD0001493133	-	(3)
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.991	SP00013351-03	-	83,221
EMORY UNIVERSITY/ATLANTA, GA	93.991	T783523	-	33,233
EMORY UNIVERSITY/ATLANTA, GA	93.991	T846705	-	55,142
UNIVERSITY OF LOUISVILLE/LOUISVILLE, KY	93.991	ULRF 17-0029-01	-	65,358
Total Department of Health and Human Services			11,508,514	65,453,750

See accompanying notes to the Schedule of Expenditures and Federal Awards.

**GEORGIA TECH RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
YEAR ENDED JUNE 30, 2022

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
Department of Homeland Security				
State and Local Homeland Security National Training Program	97.005		\$ 300,884	\$ 423,734
Emergency Management Performance Grants	97.042		-	573,835
Homeland Security Research, Development, Testing, Evaluation, and Demonstration of Technologies	97.077		-	7,718
Emergency Management Performance Grants				
Pass through from:				
SPACE DYNAMICS LAB	97.042	CP0053206	-	(434)
SIERRA NEVADA CORPORATION	97.042	S21CNE180	-	32,660
RAND CORPORATION/PITTSBURGH, PA	97.042	SCON-00000467	-	12,958
Centers for Homeland Security				
Pass through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	97.061	077083-16371	-	44,809
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	97.061	077083-17698	-	104,963
IEM INC/BATON ROUGE, LA	97.061	AGR 2013-002	-	9,009
ARIZONA STATE UNIVERSITY/TEMPE, AZ	97.061	ASUB00000286	-	72,982
Homeland Security Grant Program				
Pass through from:				
GA EMERGENCY MGMT AGENCY	97.067	DELIVERY ORDER 63	-	1,162
Total Department of Homeland Security			300,884	1,283,396
Agency for International Development				
USAID Foreign Assistance for Programs Overseas				
Pass through from:				
FHI 360/PARTNERS/DURHAM, NC	98.001	PO20000139	95,981	95,554
USAID Development Partnerships for University Cooperation and Development				
Pass through from:				
FHI 360/PARTNERS/DURHAM, NC	98.012	P021001722	125,686	798,711
Total Agency for International Development			221,667	894,265
Total Research and Development Cluster			177,964,371	986,600,866
Student Financial Assistance-Cluster:				
Department of Education				
Federal Supplemental Educational Opportunity Grants	84.007		-	748,040
Federal Work-Study Program	84.033		-	431,116
Federal Pell Grant Program	84.063		-	12,658,815
Federal Direct Student Loans	84.268		-	70,100,699
Federal Perkins Loan Program_Federal Capital Contributions	84.038		-	3,314,787
Total Department of Education			-	87,253,457
Total Student Financial Assistance Cluster:			-	87,253,457
Other Programs:				
Department of Agriculture				
Agricultural Research Basic and Applied Research				
Passed through from:				
DAVID & LUCILE PACKARD FOUNDATION/LOS ALTOS, CA.	10.001	2016-65140	-	98,496
Total Department of Agriculture			-	98,496
Department of Commerce				
BUILD TO SCALE	11.024		-	116,327
Economic Development_Technical Assistance	11.303		284,835	520,882
Trade Adjustment Assistance for Firms	11.313		-	3,529
Manufacturing Extension Partnership	11.611		291,966	3,858,204
Minority Business Resource Development	11.802		58,976	84,056
MBDA Business Center	11.805		98,144	1,032,696
Measurement and Engineering Research and Standards				
Passed through from:				
POLYTECHNIC UNIVERSITY OF PUERTO RICO/SAN JUAN, PUERTO RICO	11.609	AGMT DTD 9/26/19		2,557
Arrangements for Interdisciplinary Research Infrastructure				
Passed through from:				
NIIMBL/WASHINGTON, DC	11.619	PC2.2-122	-	3,582
Total Department of Commerce			733,921	5,621,833
Department of the Army				
Basic Scientific Research	12.431		-	1,499
Basic, Applied, and Advanced Research in Science and Engineering	12.630		-	1,714
Total Department of Army			-	3,213
Department of the Navy				
Basic and Applied Scientific Research	12.300		-	15,343
Total Department of Navy			-	15,343
Department of the Air Force				
Air Force Defense Research Sciences Program	12.800		-	28,764
Air Force Defense Research Sciences Program				
Passed through from:				
SOUTHWESTERN OHIO COUNCIL FOR HIGHER EDUCATION/DAYTON, OH	12.800	RY9-GA-19-5-AFRL2	-	(2,741)
Total Department of Air Force			-	26,023

See accompanying notes to the Schedule of Expenditures and Federal Awards.

**GEORGIA TECH RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
YEAR ENDED JUNE 30, 2022

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
Department of Defense				
Procurement Technical Assistance For Business Firms	12.002		\$ -	\$ 294,505
Basic, Applied, and Advanced Research in Science and Engineering	12.630		-	(108,890)
ROTC Language and Culture Training Grants				
Passed through from:				
INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.357	PGO1801-GT-03-PGO-051-PO3	-	141,739
			-	327,354
Department of Justice				
Crime Victim Compensation				
Passed through from:				
STATE OF GEORGIA - CRIMINAL JUSTICE COORDINATING COUNCIL/ATLANTA, GA	16.575	C15-8-380	-	(9,208)
Total Department of Justice			-	(9,208)
Department of Labor				
Consultation Agreements	17.504		-	1,488,273
WIOA Dislocated Worker Formula Grants				
Passed through from:				
NORTHWEST GEORGIA REGIONAL COMMISSION/ROME, GA	17.278	CONTRACT DATED 1 SEPT 2017	-	95,212
Total Department of Labor			-	1,583,485
Department of Transportation				
Highway Training and Education	20.215		-	50,654
Highway Planning and Construction				
Passed through from:				
GEORGIA DEPT OF TRANSPORTATION	20.205	AGR DTD 10/05/2017 - T8499	-	175
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-103 RP 20-13	-	47,793
Total Department of Transportation			-	98,622
Department of Treasury				
COVID-19 Coronavirus Relief Fund	21.019		-	32,326
Total Department of Treasury			-	32,326
National Aeronautics and Space Administration				
Science	43.001		-	2,902
Aeronautics	43.002		-	59,153
Education	43.008		-	38,520
Space Technology	43.012		-	288,433
Total National Aeronautics and Space Administration			-	389,008
National Endowment for the Humanities				
Promotion of the Humanities Division of Preservation and Access	45.149		-	6,357
Promotion of the Humanities Office of Digital Humanities	45.169		5,297	5,297
Total National Endowment for the Humanities			5,297	11,654
National Science Foundation				
Computer and Information Science and Engineering	47.070		-	5,500
Total National Science Foundation			-	5,500
VETERANS ADMINISTRATION				
Research and Development	64.054		-	14,706
Total VETERANS ADMINISTRATION			-	14,706
Environment Protection Agency				
Pollution Prevention Grants Program	66.708		-	166,616
Total Environment Protection Agency			-	166,616
Nuclear Regulatory Commission				
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008		-	64,337
Total Nuclear Regulatory Commission			-	64,337
Department of Energy				
Defense Nuclear Nonproliferation Research	81.113		-	35,676
Nuclear Energy Research, Development and Demonstration	81.121		-	199,347
Total Department of Energy			-	235,023
Department of Education				
National Resource Centers Program for Foreign Language and Area Studies or Foreign Language or	84.015		-	144,771
Rehabilitation Services Independent Living Services for Older Individuals Who are Blind	84.177		-	153
Graduate Assistance in Areas of National Need	84.200		-	457,411
Higher Education Emergency Relief Funding - Student Aid Portion	84.425E		-	14,177,162
Higher Education Emergency Relief Funding - Institutional Portion	84.425F		-	13,727,280
			-	28,506,777
Fund for the Improvement of Postsecondary Education				
Passed through from:				
BOARD OF REGENTS OF THE UNIVERSITY SYSTEM OF GA - WEB SERVICES/ATLANT	84.116	AWD-002607	-	33,000
Gaining Early Awareness and Readiness for Undergraduate Programs				
Passed through from:				
US DEPT OF EDUCATION/GENERAL	84.334	P334S160030	1,462,610	3,021,147
Total Department of Education			1,462,610	3,054,147

See accompanying notes to the Schedule of Expenditures and Federal Awards.

**GEORGIA TECH RESEARCH CORPORATION,
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
YEAR ENDED JUNE 30, 2022

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
Department of Health and Human Services				
Trans-NIH Research Support	93.310		\$ -	\$ 61,782
Lung Diseases Research				
Passed through from:				
PALO ALTO VETERANS INSTITUTE FOR RESEARCH/PALO ALTO, CA	93.838	NIM0013-03	-	2,985
Total Department of Health and Human Services			-	64,767
Department of Homeland Security				
Homeland Security Grant Program				
Passed through from:				
GEORGIA EMERGENCY MGMT & HOMELAND SECURITY AGCY/ATLANTA, GA	97.067	GRANT #20	-	(162)
Total Department of Homeland Security			-	(162)
Total Other Programs			2,201,828	40,309,860
Total Expenditures of Federal Awards			\$ 180,166,199	\$ 1,114,164,183

See accompanying notes to the Schedule of Expenditures and Federal Awards.

**GEORGIA TECH RESEARCH CORPORATION,
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NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2022

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 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, 2022, GIT disbursed \$70,100,699 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, 2022, 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 \$2,298,145 as of June 30, 2022.

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,
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NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS (CONTINUED)

YEAR ENDED JUNE 30, 2022

Note 5—Higher Education Emergency Relief Fund (Federal Assistance Listing Number 84.425)

The Coronavirus Aid, Recovery, and Economic Security Act created a Higher Education Emergency Relief Fund (“HEERF”) to provide financial relief to students and institutions who were impacted by the COVID-19 pandemic. The Coronavirus Response and Relief Supplemental Appropriations Act and the American Rescue Plan provided additional rounds of HEERF (II and III) funding. HEERF funding contained three components, an institutional award, a student aid award, and a strengthening institutions award.

The following cumulative amounts have been awarded under HEERF as of June 30, 2022:

	Student Portion	Institutional Portion	Total
HEERF I	\$ 5,194,039	\$ 5,194,038	\$ 10,388,077
HEERF II	5,194,039	11,269,068	16,463,107
HEERF III	14,177,162	14,097,371	28,274,533
	<u>\$ 24,565,240</u>	<u>\$ 30,560,477</u>	<u>\$ 55,125,717</u>

GIT expended the following amounts under HEERF during the year ended June 30, 2022:

	Student Portion	Institutional Portion	Total
HEERF I	\$ -	\$ -	\$ -
HEERF II	-	-	-
HEERF III	14,177,162	13,978,775	28,155,937
	<u>\$ 14,177,162</u>	<u>\$ 13,978,775</u>	<u>\$ 28,155,937</u>

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

YEAR ENDED JUNE 30, 2022

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 19, 2022, expresses 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 19, 2022, 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 19, 2022.

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, 2022.

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.

No significant deficiencies or material weaknesses in internal control over major federal award programs 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, 2022

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
84.007	Student Financial Aid Cluster:
84.033	Federal Supplemental Educational Opportunity Grants
84.038	Federal Work-Study Program
84.063	Federal Perkins Loan
84.268	Federal Pell Grant Program
	Federal Direct Student Loans
84.425	Higher Education Emergency Relief Funding
11.611	Manufacturing Extension Partnership

The dollar threshold for Type A programs was \$3,342,492.

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, 2022

III. Federal Award Findings and Questioned Costs

Finding #: 2022-001 Lack of documentation related to verification of
suspension and debarment
Federal Agencies: Department of Education
Federal Program: Higher Education Emergency Relief Fund
Federal Assistance Listing Number: 84.425F

Statement of Condition

Documentation was not maintained to evidence Georgia Institute of Technology's compliance with the federal regulation that prior to transacting with a non-federal entity verification was performed to ensure that the entity was not suspended or debarred.

Criteria

As defined in 2 CFR section 180.300 when entering into a covered transaction with another entity the organization must verify that the vendor with whom it intends to do business is not excluded or disqualified by doing the following: (a) checking the System for Award Management (SAM.gov) exclusions; or (b) collecting a certification from that entity; or (c) adding a clause or condition to the covered transaction with that entity.

Cause

The initial source of the funding for the expenditure was not federal funds.

Context: Georgia Institute of Technology contracted with two hotels in the Metropolitan Atlanta area to provide isolation space for students to use both as they are returning to campus (i.e., international students) and for quarantine activities. The contracts with both of these hotels were selected for testing. One of the two contracts did not have documentation to verify that the vendor was not suspended or debarred.

Effect

Expenditures could have been made to a vendor that was suspended or debarred.

Recommendation

Georgia Institute of Technology should ensure it has procedures in place to ensure that when the funding for a project is changed from nonfederal to federal a review is done of the procurement to ensure that all federal regulations that are applicable are compiled with and documentation evidencing that review is maintained.

Management Response

See attached management's response.

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, 2022

IV. Prior Year Findings

Finding 2021-001 Revenue-sharing Agreement Non-Compliance

Condition: In August 2020, Georgia Tech Research Corporation (“GTRC”) entered into a revenue-sharing agreement on behalf of Georgia Tech Professional Education (“GTPE”). This Specialized Services Agreement (“SSA”) created a contractual obligation with third party organizations. The agreement contained an effective date of August 1, 2020, to continue for 12 months. The SSA referenced a Statement of Work (“SOW”). The payment structure outlined in the SOW created a revenue-sharing agreement between GTPE and the specified third parties. As such, GTRC did not have the delegation of authority to sign the agreement and create an obligation of Georgia Institute of Technology (“GT”) funds. The agreement should have been processed through the GT Purchasing Office in compliance with state procurement policy. At the time of audit fieldwork, GTRC management was collaborating with GT legal counsel and Administration and Finance to determine the best course of action for fulfilling the monetary obligations to date, and the next steps for sourcing a revised agreement through the GT Purchasing Office.

Current Status: Finding is resolved.

Finding 2021-002 Subrecipient Monitoring – Research and Development Cluster

Condition: Lack of documentation to evidence compliance with federal regulations related to certain subrecipient monitoring activities.

Current Status: Finding resolved.

SINGLE AUDIT TASK LIST

MANAGEMENT'S CORRECTIVE ACTION PLAN

Finding 2022-001 - Lack of documentation related to verification of suspension and debarment

We concur with the recommendations. For active (issued) purchase orders, any change requests which include moving dollars to federal funding sources already incorporate a debarment check by our Procurement and Business Services (PBS) department. For closed purchase orders, when funding source changes are submitted via journal entry requests above a \$25,000 threshold, we will incorporate a change to the process whereby campus must submit a Service Now ticket routed to PBS to request approval and debarment review.

We will educate campus about this change in procedure via town halls, monthly campus outreach sessions, and regular email notifications. Our grants and contracts compliance team will also review these transactions on a quarterly basis to ensure that our process changes described above are functioning appropriately.

Target Date for Implementing Corrective Action:

By June 30, 2023

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

Josh Rosenberg, Executive Director – Grants and Contracts

Office of Sponsored Programs

Georgia Institute of Technology
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