

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

COMPLIANCE REPORTS

For the Year Ended June 30, 2023

And Reports of Independent Auditor

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

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

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

Opinion

We have audited the accompanying Schedule of Expenditures of Federal Awards (the “Schedule”) of Georgia Tech Research Corporation, Georgia Tech Applied Research Corporation and Georgia Institute of Technology (collectively, the “Organization”) for the year ended June 30, 2023, and the related notes to the Schedule.

In our opinion, the accompanying Schedule presents fairly, in all material respects, the expenditures of federal awards of the Organization for the year ended June 30, 2023, 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, 2023, and the related notes to the financial statements, which collectively comprise GTRC's basic financial statements. We issued our report thereon dated September 15, 2023, 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, 2023, 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 14, 2023, which expressed an unmodified opinion on those financial statements and reports no findings in relation to internal control over financial reporting or compliance and other matters.

Cherry Bekaert LLP

Atlanta, Georgia
January 26, 2024

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, 2023, and the related notes to the financial statements which collectively comprise GTRC's basic financial statements, and have issued our report thereon dated September 15, 2023.

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 15, 2023, except for the schedule of expenditures of federal awards which is dated
January 26, 2024

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, 2023. 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, 2023.

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 2023-001. 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

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

A deficiency in internal control over compliance exists when the design or operation of a control over compliance does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, noncompliance with a type of compliance requirement of a federal program on a timely basis. *A material weakness in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. *A significant deficiency in internal control over compliance* is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance. We consider the deficiency in internal control over compliance described in the accompanying schedule of findings and questioned costs as item 2023-001 to be a significant deficiency.

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 15, 2023, except for the schedule of expenditures of federal awards which is dated
January 26, 2024

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

YEAR ENDED JUNE 30, 2023

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		\$ -	\$ 1,086,217
Food Safety Outreach Program	10.328		-	1,815
Wood Utilization Assistance	10.674		-	38,702
Agricultural Research Basic and Applied Research				
Passed through from:				
KWJ ENGINEERING INC/NEWARK, CA	10.001	145131	-	21,316
OREGON STATE UNIVERSITY/CORVALLIS, OR	10.001	J2285A-C	-	-
Specialty Crop Block Grant Program - Farm Bill				
Passed through from:				
GEORGIA DEPARTMENT OF AGRICULTURE/ATLANTA, GA	10.170	21SCBPGA1021-00	628	19,053
Agriculture and Food Research Initiative (AFRI)				
Passed through from:				
UNIVERSITY OF ARKANSAS	10.310	AWD-103178-01	-	77,875
UNIVERSITY OF FLORIDA/	10.310	SUB00003042	-	23,627
UNIVERSITY OF TENNESSEE/	10.310	A22-0082-S001	-	62,311
US ENDOWMENT FOR FORESTRY AND COMMUNITIES/GREENVILLE, SC	10.310	23-00490	-	7,629
Total Department of Agriculture			628	1,338,545
Department of Commerce				
Economic Development_Technical Assistance	11.303		-	(4,623)
Economic Adjustment Assistance	11.307		93,084	1,793,382
Trade Adjustment Assistance for Firms	11.313		229,152	1,050,184
Climate and Atmospheric Research	11.431		-	486,018
Congressionally Identified Awards and Projects	11.469		-	142,137
Measurement and Engineering Research and Standards	11.609		-	1,158,453
Manufacturing Extension Partnership	11.611		-	230,751
Minority Business Resource Development	11.802		76,000	188,435
Integrated Ocean Observing System (IOOS)				
Passed through from:				
SE COASTAL OCEAN OBSERVING REGIONAL ASSN/JOHNS ISLAND, SC	11.012	IOOS.21(097)GT.FZ.GLD.1	-	69,660
SOUTHEAST COASTAL OCEAN OBSERVING REGIONAL ASSOC (SECOORA)/MT PLEASANT, SC/	11.012	IOOS.21(097)GT.KC/ED.WL.1	-	115,956
Economic Development_Technical Assistance				
Passed through from:				
PROFESSIONAL SCIENTIFIC ASSOCIATES INC (PSA)/HERNDON, VA	11.303	K025	-	32,000
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	11.303	M2203003	-	181,589
UNIVERSITY OF GEORGIA/ATHENS, GA	11.303	SUB00002788	-	54,400
Sea Grant Support				
Passed through from:				
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	SUB00002257	-	17,075
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	SUB00002640	-	4,560
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	SUB00002641	-	(311)
Coastal Zone Management Administration Awards				
Passed through from:				
GA DEPT NATURAL RESOURCES/	11.419	AGMT DTD 9/15/2021	-	10,000
GA DEPT NATURAL RESOURCES/	11.419	SUB DTD 9/13/2022	-	12,205
GA DEPT NATURAL RESOURCES/	11.419	SUB DTD 9/19/2022	-	575
GEORGIA SOUTHERN UNIVERSITY/STATESBORO, GA	11.419	39G2905-GATECH	-	58,016
Climate and Atmospheric Research				
Passed through from:				
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	11.431	R000002728	-	124,816
Weather and Air Quality Research				
Passed through from:				
UNIVERSITY CORPORATION FO	11.459	SUBCON002177	-	53,267
Applied Meteorological Research				
Passed through from:				
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	11.468	R01856	-	(28)
Unallied Science Program				
Passed through from:				
PRINCE WILLIAM SOUND SCIE	11.472	21-72-01	-	11,426
Integrated Ocean Observing System (IOOS)				
Passed through from:				

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 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2023

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
NATL FISH & WILDLIFE FOUN/WASHINGTON, DC Center for Sponsored Coastal Ocean Research Coastal Ocean Program Passed through from:	11.473	0318.19.066115	2,704	12,473
LEHIGH UNIVERSITY/BETHLEHEM, PA Measurement and Engineering Research and Standards Passed through from:	11.478	543829-78002	-	128,186
EMORY UNIVERSITY/ATLANTA, GA	11.609	A391823	-	86,161
COLORADO STATE UNIVERSITY/COLLINS, CO	11.609	G-99042-03	-	152,306
UNIVERSITY OF GEORGIA/ATHENS, GA	11.609	SUB00002891	-	12,965
Arrangements for Interdisciplinary Research Infrastructure Passed through from:				
NIIMBL/WASHINGTON, DC	11.619	PC2.2-122	-	(1,768)
Total Department of Commerce			400,940	6,180,266
Department of the Army				
Basic and Applied Scientific Research	12.300		7,843,104	27,582,418
Military Medical Research and Development	12.420		166,692	713,361
Basic Scientific Research	12.431		65,951,722	255,523,564
Basic, Applied, and Advanced Research in Science and Engineering	12.630		1,098,071	17,733,383
Research and Technology Development	12.910		113,243	233,949
Military Medical Research and Development Passed through from:				
UNIVERSITY OF MICHIGAN/	12.420	SUBK00013481	-	7,499
Basic Scientific Research Passed through from:				
CARBONICS INC/CULVER CITY, CA	12.431	145449	-	51
CORNELL UNIVERSITY/ITHACA, NY	12.431	76091-10525	-	(297)
CORNERSTONE RESEARCH GROUP/DAYTON, OH	12.431	PO 2020-1714	-	6,375
ELEMENTUM 3D/ERIE, CO	12.431	149500	-	76,590
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	12.431	#R000002607	-	(48)
HARVARD UNIVERSITY/BOSTON, MA	12.431	124397-5121861	-	41,577
MAYO CLINIC/ROCHESTER, MN	12.431	GEO-259318-01	-	147,765
MILLENNITEK LLC/KNOXVILLE, TN	12.431	144639	-	70,745
MILLENNITEK LLC/KNOXVILLE, TN	12.431	147839	-	223,114
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.431	13000844-026	-	414,888
SEMI/MILPITAS, CA	12.431	FT-19-20-P198	-	16,410
SEMI/MILPITAS, CA	12.431	FT19-21-206	-	60,642
SEMI/MILPITAS, CA	12.431	PNT22-23-016	-	123,315
SIEMENS CORPORATE RESEARCH/PRINCETON, NJ	12.431	205-2	-	(1,749)
ADVANCED REGENERATIVE MANUFACTURING INSTITUTE/MANCHESTER, NH	12.431	1	-	1,079
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	12.431	572622	-	483,463
UNIVERSITY OF WASHINGTON/SEATTLE, WA	12.431	UWSC7915 P.O. # BPO 3109	-	2
Basic, Applied, and Advanced Research in Science and Engineering Passed through from:				
ADVANCED REGENERATIVE MANUFACTURING INSTITUTE/MANCHESTER, NH	12.630	T1075	-	44,994
BOEING RESEARCH & TECHNOLOGY/SEATTLE, WA	12.630	1982655	-	24,545
DREXEL UNIVERSITY/PHILADELPHIA, PA	12.630	940018	-	59,117
LOUISIANA STATE UNIVERSITY/BATON ROUGE, LA	12.630	PO-0000126336	-	22,404
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	12.630	705828	-	35,998
Research and Technology Development Passed through from:				
UNIVERSITY OF TEXAS AT DALLAS/RICHARDSON, TX	12.910	1907638	-	192,242
Total Department of the Army			75,172,832	303,837,396
Department of the Navy				
Basic and Applied Scientific Research	12.300		5,154,851	41,597,279
Basic, Applied, and Advanced Research in Science and Engineering	12.630		-	1,593
Air Force Defense Research Sciences Program	12.800		-	304,276
Research and Technology Development	12.910		38,077	198,458
Basic and Applied Scientific Research Passed through from:				
ADVANCED TECHNOLOGY INTERNATIONAL/SUMMERVILLE, SC	12.300	2022-398-PROTOTYPE PROJECT 01	-	73,045
AVNOS/VENICE, CA	12.300	IW-ONR-001GT	-	146,479
CLEMSON UNIVERSITY/CLEMSON, SC	12.300	2190-202-2013781	-	59,634

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 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2023

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
COMBUSTION RESEARCH AND FLOW TECHNOLOGY INC / HUNTSVILLE, AL	12.300	21-C-0336/C828	-	114,853
CORVID TECHNOLOGIES/MOORESVILLE, NC	12.300	#23-017	-	31,000
GEORGE MASON UNIVERSITY/FAIRFAX, VA	12.300	E2060282	-	130,433
GLOBAL TECHNOLOGY CONNECTIONS/ATLANTA, GA	12.300	149448	-	3
MAKAI OCEAN ENGINEERING/WAIMANALO, HI	12.300	SUB-2019-002	128,261	132,040
PHASE IV INC/	12.300	2022-001	-	154,904
PHASE IV INC/	12.300	2022-002	-	230,145
PHOTODIGM INC/RICHARDSON, TX	12.300	PO 10323	-	728,502
PHYSICAL SCIENCES INC/ANDOVER, MA	12.300	SC-8061-7420-021-001	-	214,925
PRINCETON UNIVERSITY/PLAINSBORO, NJ	12.300	SUB0000364	-	222,725
QORVO TEXAS LLC/RICHARDSON, TX	12.300	AGR DTD 01-JUL-2022	-	212,431
UNIVERSITY OF CALIFORNIA/SAN DIEGO,CA	12.300	KR 705027	-	75,540
UNIVERSITY OF CONNECTICUT/STORRS, CT	12.300	184733	-	308,302
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	12.300	95497-Z8318201	-	65,060
UNIVERSITY OF SOUTH CAROLINA/COLUMBIA, SC	12.300	23-5041	-	38,044
UNIVERSITY OF TENNESSEE/	12.300	N00164-20-2008-GEORGIA	-	-
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	12.300	GG12136.159334	-	30,002
Total Department of the Navy			5,321,189	45,069,673
Department of the Air Force				
Basic and Applied Scientific Research	12.300		1,577,123	12,121,333
Basic, Applied, and Advanced Research in Science and Engineering	12.630		-	5,954,591
Air Force Defense Research Sciences Program	12.800		94,770,140	323,621,096
Mathematical Sciences Grants	12.901		149,881	151,186
Research and Technology Development	12.910		-	(56,633)
DOD, NDEP, DOTC-STEM Education Outreach Implementation				
Passed through from:				
UNIVERSITY SPACE RESEARCH ASSOC/	12.560	SUBK-22-0021 PROJ NO 09049	-	76,666
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
AZIMUTH CORPORATION/BEAVERCREEK, OH	12.630	238-5404-GIT3	-	(31,366)
Air Force Defense Research Sciences Program				
Passed through from:				
ADVANCED TACTICS INC/TORRANCE,CA	12.800	149294	-	164,868
ADVANCED TACTICS INC/TORRANCE,CA	12.800	149295	-	164,868
AGING AIRCRAFT CONSULTING LLC/WARNER ROBINS, GA	12.800	AF21A-2101	-	10,965
AMERICA MAKES/YOUNGSTOWN, OH	12.800	20220059	-	154,224
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	165852.03.00.0001.00.31-C1	-	100,739
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	165852-19F5830-19-03-C1	-	(604)
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	212014.05.00.2016.00.19-C11	-	335
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	212014.05.00.2016.00.22-C11	-	21,469
ASSURED INFORMATION SECUR	12.800	1159-SB	-	22,676
ASSURED INFORMATION SECUR	12.800	1161-SA	-	52,011
ATLAS DEVICES LLC/BOSTON, MA	12.800	FA864921P0858	-	(1,756)
BALL AEROSPACE SYSTEMS DIV/BOULDER, CO	12.800	22S0060C	-	42,361
BIOMADE/MINNEAPOLIS, MN	12.800	T-PC01-A-05-0029	-	108,596
BOOZ, ALLEN AND HAMILTON INC	12.800	A6837	-	540,957
BRYKA SKYSTOCKS LLC/NEWINGTON, CT	12.800	151143	-	33,057
CLEMSON UNIVERSITY/CLEMSON, SC	12.800	2357-200-2015033	-	36,227
CORNELL UNIVERSITY/ITHACA, NY	12.800	89102-11265	-	46,724
CORNELL UNIVERSITY/ITHACA, NY	12.800	90452-11334	-	32,212
CURVE ANALYTICS INC/HUNTSVILLE, AL	12.800	150354	-	43,470
EARTHLY DYNAMICS CORPORATION/ATLANTA,GA	12.800	145780	-	(40,259)
EARTHLY DYNAMICS CORPORATION/ATLANTA,GA	12.800	147036	-	(9,956)
EARTHLY DYNAMICS CORPORATION/ATLANTA,GA	12.800	148384	-	199,845
ENGINEERING RESEARCH AND ANALYSIS INC./DAYTON, OH	12.800	FA9101-19-C-0033	-	2,331
ENIG AND ASSOCIATES INC/ROCKVILLE, MD	12.800	149440	-	25,250
ENIG AND ASSOCIATES INC/ROCKVILLE, MD	12.800	149738	-	261,517
FLEXTech ALLIANCE INC/SAN JOSE, CA	12.800	NB18-21-36	-	314,894
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	12.800	000016	-	103,645
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	12.800	800011034-01UG	-	8,097
GALACTIV INC/MUNSTER,IN	12.800	150367	-	99,999
INFOSCITEX CORPORATION/ DAYTON, OH	12.800	233231	-	25,484
INFOSCITEX CORPORATION/ DAYTON, OH	12.800	TASK ORDER 0002 (-21-F-2605)	-	134,432
INNOVATIVE ADVANCED MATERIALS INC/HAMPTON, GA	12.800	144838	-	54,289

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YEAR ENDED JUNE 30, 2023

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
INNOVATIVE SCIENTIFIC SOLUTIONS INC (ISSI)/DAYTON, OH	12.800	SB20251	-	42,660
INNOVATIVE SCIENTIFIC SOLUTIONS INC (ISSI)/DAYTON, OH	12.800	SB20265	-	74,380
INNOVATIVE SCIENTIFIC SOLUTIONS INC (ISSI)/DAYTON, OH	12.800	SB20276	-	88,952
LINCOLN LABORATORY/MASSACHUSETTS INST OF TECH	12.800	7000437192	-	100,230
LINCOLN LABORATORY/MASSACHUSETTS INST OF TECH	12.800	7000566472	-	61,029
LINCOLN LABORATORY/MASSACHUSETTS INST OF TECH	12.800	7000570948	-	33,588
LINQUEST CORPORATION/HERNDON, VA	12.800	10060.2019.012	-	461,496
LONG WAVE INC/OKLAHOMA CITY, OK	12.800	GTRC01-003	-	104,758
LUNA INNOVATIONS/BLACKBURG, VA	12.800	3576.01GATECH	-	165,755
LYNNTECH INC/ COLLEGE STATION, TX	12.800	AF-212 II	-	169,618
MSBA/LOS ANGELES,CA	12.800	150440	-	53,379
NEXTFLEX/SAN JOSE, CA	12.800	AGR DTD 1/26/2022	77,911	295,847
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	12.800	2019-1679-02	-	69,751
PARTWORKS/ATLANTA, GA	12.800	149951	-	129,387
RAYTHEON/BBN SYSTEM AND TECHNOLOGIES/CAMBRIDGE, MA	12.800	14787	-	(1,547)
SPACE DYNAMICS LAB	12.800	CP0072011	-	217,790
SPACEWORKS ENTERPRISES/ATLANTA, GA	12.800	22-006	-	100,000
SPECTRAL ENERGIES LLC / DAYTON, OH	12.800	SB2122-001-1	-	47,943
TECHNOLOGY HOLDING LLC/SALT LAKE CITY,UT	12.800	148364	-	171,949
THE FLORIDA INSTITUTE FOR HUMAN & MACHINE COGNITION (IHMC)/PENSACOLA, FL	12.800	2022-022-01.5	-	49,817
UES INC/DAYTON, OH	12.800	S-162-11-MR011	-	184,085
UES INC/DAYTON, OH	12.800	S-162-11-MR012	-	130,884
UES INC/DAYTON, OH	12.800	S-162-11-MR017	-	22,223
UES INC/DAYTON, OH	12.800	S-162-11-MR020	-	57,271
UES INC/DAYTON, OH	12.800	S-200-210-001	-	91,029
UNIVERSITY OF BUFFALO/AMHERST, NY	12.800	R1304010	-	144,983
UNIVERSITY OF CALIFORNIA/SANTA BARBARA,CA	12.800	#KK1912	-	16,129
VERUS RESEARCH/ALBUQUERQUE, NM	12.800	1169-00093	-	35,439
VERUS RESEARCH/ALBUQUERQUE, NM	12.800	1177-0096	-	63,360
VISION SYSTEMS INC/RIVERSIDE, RI	12.800	2022- 0529-GTRC	-	62,819
WANG ELECTRO-OPTO CORPORATION/MARIETTA, GA	12.800	FA8651-17-C-0042	-	-
WHISPER AERO/CROSSVILLE,TN	12.800	148689	-	228,359
Research and Technology Development Passed through from: UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.910	204368GT (DATTA)	-	139,437
Total Department of the Air Force			96,575,055	348,202,640
Department of Defense				
Procurement Technical Assistance For Business Firms	12.002		-	7,255
Basic and Applied Scientific Research	12.300		1,326,924	2,223,090
Scientific Research - Combating Weapons of Mass Destruction	12.351		16,606	54,508
Military Medical Research and Development	12.420		-	26,332
Basic Scientific Research	12.431		-	386,939
Basic, Applied, and Advanced Research in Science and Engineering	12.630		7,077,046	120,973,546
Air Force Defense Research Sciences Program	12.800		1,092,720	3,963,381
Research and Technology Development	12.910		3,445,751	6,090,189
Procurement Technical Assistance For Business Firms Passed through from: STEVENS INST OF TECHNOLOGY/	12.002	2103318-01	-	99,999
Basic and Applied Scientific Research Passed through from: ADVANCED TECHNOLOGY INTER	12.300	N660012291010	860,450	1,736,887
AMEWAS INC	12.300	PO23-00633	-	253,154
AMEWAS/CALIFORNIA MD	12.300	PO23-00866	-	51,704
AMEWAS/CALIFORNIA MD	12.300	PO23-00902	-	60,206
AMEWAS/CALIFORNIA MD	12.300	PO23-00906	-	1,365
BAE SYSTEMS	12.300	1177635	-	11,035
BAE SYSTEMS	12.300	975057	-	385
BOOZ, ALLEN, & HAMILTON	12.300	A7590	-	59,821
CRAFT TECH/HUNTSVILLE, AL	12.300	18-C-0850/C745	-	95,000
DYNETICS INC	12.300	DI-SC-15-05	-	202
DYNETICS INC	12.300	DI-SC-19-40/TO 0001	-	136,708
DYNETICS INC	12.300	DISC2191SBTJ00021	-	55,642
DYNETICS INC	12.300	HHM40219D0023	-	63,199
DYNETICS INC	12.300	SBMB00009	-	27,878

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YEAR ENDED JUNE 30, 2023

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DYNETICS INC	12.300	SBSU00007	-	1,031,204
ENVISIONEERING INC	12.300	S20-16	-	(113)
ENVISIONEERING INC	12.300	S22-02	-	74,907
ISLAND CREEK ASSOCIATES	12.300	PO-19C0618-01	-	169,210
J.F. TAYLOR INC/GREAT MII	12.300	JFT-47QF-04	-	472,476
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	12.300	1689065	-	3,711
JOHNS HOPKINS UNIV	12.300	122356	-	(5)
JOHNS HOPKINS UNIV	12.300	174646	-	5,170
LEIDOS INC	12.300	P010217722	-	114,447
LEIDOS INC/MCLEAN, VA	12.300	P010230959 TO1	-	65,702
LEIDOS, INC	12.300	RFP-7234-0219-007	-	103
LUNA LABS USA LLC	12.300	3602-NVY-2S/GTRI	-	133,841
Mercury Mission Systems	12.300	PO22-1182	-	310,956
Mercury Mission Systems	12.300	POC# 10201-GTRI	-	281
RAYTHEON COMPANY INDIANAP	12.300	4202675433	-	121,354
R-DEX SYSTEMS/ MARIETTA,	12.300	GTARC 151204 DTD 2-7-2023	-	18,609
R-DEX SYSTEMS/ MARIETTA,	12.300	GTARC 151242 DTD 9-16-2022	-	86,210
SAIC	12.300	P010260127	-	149,406
SYNTEK TECHNOLOGIES	12.300	AGMT DTD 3/31/2022	-	-
UNIV OF SO CA	12.300	127224382	-	244,280
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.300	M2200275	-	413,218
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.300	M2200279	162,500	426,429
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.300	M2201842	-	320,211
UNIVERSITY OF CALIFORNIA/SAN DIEGO,CA	12.300	#108547341	-	150,037
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	12.300	578186	-	160,823
UNIVERSITY OF SOUTH CAROLINA/COLUMBIA, SC	12.300	18-3437	-	(12,243)
VIASAT INC	12.300	4208464	-	288,903
Scientific Research - Combating Weapons of Mass Destruction				
Passed through from:				
CORNELL UNIVERSITY/ITHACA, NY	12.351	90425-21229	-	3,647
EMORY UNIVERSITY/ATLANTA, GA	12.351	A316609	-	101,178
ROTC Language and Culture Training Grants				
Passed through from:				
INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.357	PGO1801-GT-03-PGO-051-PO3	-	(186)
INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.357	PGO1801-GT-03-PGO-051-PO4	-	39,640
Basic Scientific Research				
Passed through from:				
ADVANCED TECHNOLOGY INTER	12.431	2017-311A PA 5	213,019	1,215,704
ADVANCED TECHNOLOGY INTER	12.431	PROJECT AGREEMENT NO 1	-	7
CARNEGIE MELLON	12.431	1990785-454320	-	180,729
CASE WESTERN RESERVE UNIVERSITY/CLEVELAND, OH	12.431	RES600318	-	5,642
EARTHLY DYNAMICS CORP	12.431	AGMT DTD 10/27/2021	-	(117)
FAMU	12.431	C-5159	-	25,048
GEN ELEC CORP RES & DEVL	12.431	401153380	-	78,290
GEN ELEC CORP RES & DEVL	12.431	401153812	-	6,858
GEN ELEC CORP RES & DEVL	12.431	401153817	-	(105)
JOHNS HOPKINS UNIV/BALTIMORE, MD	12.431	2005355675	-	87,564
NATL CTR FOR DEFENSE MANU	12.431	41000103	-	10,711
R-DEX SYSTEMS/ MARIETTA,	12.431	GTARC 149029 DTD 6-21-2022	-	139,887
REPUBLIC MISSION SYSTEMS	12.431	AGMT DTD 11/17/2022	-	90,502
ROBOTICS TECHNOLOGY	12.431	70-201708	-	1,275
SCIENTIFIC RES	12.431	SR20201820	-	263
SCIENTIFIC RES	12.431	SR20220019	-	130,913
TEXAS ENGINEERING STATION-TAMU/COLLEGE STATION, TX	12.431	M2203595	-	83,004
UNIVERSITY OF ALABAMA AT BIRMINGHAM/BIRMINGHAM, AL	12.431	000529073-001	-	94,222
SCIENTIFIC RES	12.431	SR20220089	-	127,355
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
ADVANCED TECHNOLOGY INTER	12.630	2017-311A PA 06	-	40
APPLIED RESEARCH LABORATO	12.630	102768-Z9717201	-	23,477
BAE SYSTEMS	12.630	1115682	-	115,377
BAE SYSTEMS	12.630	1177635	-	83,426
BAE SYSTEMS	12.630	RFP-EMH22-19SCRIMGTARC	-	30,597
BAE SYSTEMS/BURLINGTON MA	12.630	1017356	-	178,780
BAE SYSTEMS/BURLINGTON MA	12.630	1125267	-	764,207

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BOOZ, ALLEN, & HAMILTON	12.630	A26456	-	569,895
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	12.630	21-00038-SUB-000	-	169,705
CHARLES RIVER ANALYTICS INC / CAMBRIDGE, MA	12.630	SC2207702	-	33,766
DEFENSEWERX-ICEWERX/NICEV	12.630	AGMT DTD 2/25/2022	-	180,623
DRAPER LABORATORY	12.630	SC001-0000001394	-	1,487,455
DRAPER LABORATORY/CAMBRIDGE, MA	12.630	B20-2020184G002	-	85,594
DREXEL UNIVERSITY/PHILADELPHIA, PA	12.630	T10048	-	31,108
DYNETICS INC	12.630	DI-SC-15-05 TO 10	(9,719)	(10,688)
DYNETICS INC	12.630	DISC2091	-	43,529
DYNETICS INC	12.630	DI-SC-20-91	-	51,395
DYNETICS INC	12.630	PO SB80027	-	(1,177)
EPIRUS INC/SEGUNDO, CA	12.630	AGREEMENT DTD 11/19/2021	-	297,271
INFORMATION SCIENCE INSTI	12.630	136299980	-	14,927
INTEL CORPORATION/	12.630	CW2051835	-	291,172
INTELLIGENT AUTOMATION IN	12.630	2509-1	-	2,534,480
JACOS SVDRDRUP ADVANCE SY	12.630	1234-01-00-03	-	477,565
JOHNS HOPKINS UNIV/BALTIMORE, MD	12.630	2004731073	-	119,842
JT4-LLC/LAS VEGAS, NV	12.630	2021JW5124	-	204,832
JT4-LLC/LAS VEGAS, NV	12.630	2022JW5594	-	(22)
KARAGOZIAN AND CASE STRUCTURAL ENGINEERS/GLENDALE, CA	12.630	FFP-149623	-	42,507
KBRWYLE/HUNTSVILLE, AL	12.630	14354.001.001.03	-	(4,670)
KBRWYLE/HUNTSVILLE, AL	12.630	HV05000019	-	114,990
KBRWYLE/HUNTSVILLE, AL	12.630	P000045115	-	286,791
KONTRON AMERICA INC	12.630	4500125358	-	53,607
LEIDOS INC	12.630	P010192863	-	8,245
LEIDOS INC	12.630	P010264877	-	235,679
LEIDOS INC	12.630	P010280566	-	328,964
LOCKHEED MARTIN	12.630	4105840017	-	200,994
LOCKHEED MARTIN CORP	12.630	1010121	-	(232)
LOCKHEED MARTIN CORP	12.630	6574055372	-	204,727
MACAULAY-BROWN	12.630	DSC2134-01	-	1,558
NEW YORK UNIVERSITY/NEW YORK, NY	12.630	F2265-01	-	107,022
NORTHROP GRUMMAN SYS CORP	12.630	5300029642	-	693,101
NORTHROP GRUMMAN SYS CORP	12.630	PO#5300010064	-	36,616
NORTHROP GRUMMAN/BALTIMORE, MD	12.630	5300039885	-	302,875
NORTHWESTERN UNIVERSITY/EVANSTON, IL	12.630	60060216	-	306,237
NuWave Solutions LLC	12.630	IDIQ TO DTD 6/1/2022	-	247,645
PHYSICAL SCIENCES INC.	12.630	SC-4566-170221-013-001	-	40,256
RAYTHEON	12.630	4202392536	-	746,065
RAYTHEON	12.630	4202392548	-	129,136
RAYTHEON INTELLIGENCE & S	12.630	LTR DTD 31-OCT-2022	-	456,492
RESONANT SCIENCES LLC	12.630	ACL-EM-22-P14817	-	52,172
ROCKWELL COLLINS	12.630	PO 4507393359	-	129,931
SAIC	12.630	P010251920	-	(6,211)
SECURIGENCE/LEESBURG, VA	12.630	0000000632	-	26,590
SIERRA NEVADA CORPORATION	12.630	SSFNM028	-	99,823
SRI INTERNATIONAL/PRINCETON,NJ	12.630	PO54003	-	(703)
SRI INTERNATIONAL/PRINCETON,NJ	12.630	PO70745	-	151,307
STEEL FOUNDERS SOCIETY OF AMERICA/	12.630	SPI005	-	119,559
STEVENS INST OF TECH	12.630	2103221-12	-	177,197
STEVENS INST OF TECH	12.630	2103254-01	-	49,936
STEVENS INST OF TECH	12.630	2103373-01	-	114,313
STEVENS INST OF TECH	12.630	2103417	-	100,255
SURVICE ENGINEERING CO	12.630	S22-155007	-	224,936
UNIVERSITY CONSORTIUM FOR APPLIED HYPERSONICS (UCAH)/COLLEGE STATION,TX	12.630	M2200459	33,710	222,502
UNIVERSITY OF CALIFORNIA/SAN DIEGO,CA	12.630	KR 705371	-	2,570
UNIVERSITY OF ILLINOIS/CHICAGO,IL	12.630	104071-18540	-	89,295
UNIVERSITY OF MICHIGAN/	12.630	SUBK00011571	-	107,395
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	#203278GT-BAKIR	-	267,882
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	#203278GT-YU	-	286,390
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	203278GT-KHAN	-	122,911
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	203278GT-NAEEMI	-	260,740
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	203278GT-Raychowdhury	-	347,502
WECOSO, INC., DBA WEST COAST SOLUTIONS/HUNTINGTON BEACH, CA	12.630	140208	-	(592)
WECOSO, INC., DBA WEST COAST SOLUTIONS/HUNTINGTON BEACH, CA	12.630	3214	-	35,264
ZETA ASSOCIATES INC	12.630	173118LS-GTARC-01	-	144,294

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Air Force Defense Research Sciences Program				
Passed through from:				
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.800	#13000716-051	-	170,112
FREEDOM PHOTONICS SANTA B	12.800	#S7200-01	-	168,960
SMART MUNITIONS EXPERTS S	12.800	10/17/22 AGMT	-	24,281
ASSURED INFORMATION SECUR	12.800	1159-SB	-	68,772
ASSURED INFORMATION SECUR	12.800	1161-SA	-	80,142
BINGHAMTON UNIVERSITY/BINGHAMTON, NY	12.800	1170861/92514	-	203,442
ARCTOS TECHNOLOGY SOLUTIONS LLC/ DAYTON, OH	12.800	165852-18F5828-19-16-C1	-	(3,100)
JT4-LLC/LAS VEGAS, NV	12.800	2020JW3092	-	(32)
AEROBOTIX INC MADISON AL	12.800	210331-21667	-	58,304
SMART MUNITIONS EXPERTS S	12.800	3/9/2022 AGMT	-	405
LOCKHEED MARTIN SPACE SYS	12.800	4105205656	-	62,659
L3 TECHNOLOGIES/GREENWILL	12.800	4501766939	-	166
L3 COMMUNICATIONS/ROCKWA	12.800	4501890959	-	233,618
LINCOLN LAB	12.800	7000472951	-	(9)
BOOZ, ALLEN, & HAMILTON	12.800	A8270	-	299,708
MATERIALS TECHNOLOGIES CO	12.800	AGMT DTD 10-18-2021	-	(15,289)
ATC MATERIALS/WESTLAKE OH	12.800	AGMT DTD 11-08-2019	53,402	25,966
CESIUM ASTRO/ AUSTIN, TX	12.800	AGR153702	-	8,489
MAP LARGE INC/ATLANTA GA	12.800	GTARC 151618 DTD 11-21-2022	-	24,561
MAP LARGE INC/ATLANTA GA	12.800	GTARC 151651 DTD 11-21-2022	-	22,730
STELLAR SCIENCE LTD/ALBU	12.800	GTRC AGMT DTD 11-03-2020	-	26,369
NORTHROP GRUMMAN INNOVAT	12.800	MP00301412	-	331
MAP LARGE INC/ATLANTA GA	12.800	NO. 153666	-	2,939
KBRWYLE DAYTON/OH	12.800	P000055346	-	8,812
CACI	12.800	P000105680	-	1,328,346
SW RES INSTITUTE	12.800	P99026N	-	52,265
PAR TECH CORP	12.800	PGSCSC11137414	-	137,033
KBRWYLE DAYTON/OH	12.800	PO P000048819	-	110,032
SAAB INC/EAST SYRACUSE NY	12.800	PO59783	-	51,114
UNIV OF DAYTON RSCH INST	12.800	RSC22076	-	198,616
APPLIED RESEARCH SOLUTION	12.800	S03005-01	-	464,717
SCIENTIFIC RES	12.800	SR20201140	-	20
SCIENTIFIC RES	12.800	SR20210482 (J413)	-	17,060
ALION SCIENCE AND TECH	12.800	SUB1148651-002	-	1,146
ALION SCIENCE AND TECHNOL	12.800	SUB1157903	-	320,847
ALION SCIENCE AND TECHNOL	12.800	SUB1157903 RELEASE 002	-	185
ALION SCIENCE AND TECHNOL	12.800	SUB1157903 RELEASE 001	355,000	2,566,862
ALION SCIENCE AND TECHNOL	12.800	SUB1157903-003	-	7,115,017
TAU TECHNOLOGIES LLC/ALB	12.800	TAU 2021-003	-	(84)
BATTELLE	12.800	US001-0000832821	-	(727)
WRIGHT BROTHERS INSTITUTE	12.800	WBSRA23002GTARC	-	11,534
RINCON RESEARCH CORPOR	12.800	WJR-000998	-	1,624,261
Research and Technology Development				
Passed through from:				
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	12.910	00010318	-	116,199
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	12.910	108335-18906	-	159,870
SIEMENS CORPORATE RESEARCH/PRINCETON, NJ	12.910	126-003	-	41
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.910	204368GT	-	128,742
UNIVERSITY OF COLORADO/DENVER, CO	12.910	FY18.920.001	-	11,441
EMORY UNIVERSITY/ATLANTA, GA	12.910	T680127	-	(2,011)
UNIVERSITY OF WASHINGTON/SEATTLE, WA	12.910	UWSC14509	-	92,888
Total Department of Defense			14,627,409	174,968,372
Department of the Interior				
Assistance to State Water Resources Research Institutes	15.805		241,925	312,862
Earthquake Hazards Program Assistance	15.807		-	53,417
National Center for Preservation Technology and Training	15.923		-	31,176
Cooperative Research and Training Programs – Resources of the National Park System	15.945		-	53,154
Research Grants (Generic)				
Passed through from:				
GALLUP	15.650	HR001119C0135-001	-	6,863
Total Department of the Interior			241,925	457,472

**GEORGIA TECH RESEARCH CORPORATION,
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YEAR ENDED JUNE 30, 2023

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 Justice				
Body Worn Camera Policy and Implementation	16.835		-	10,460
Coronavirus Emergency Supplemental Funding Program Passed through from:				
STATE OF GEORGIA - CRIMINAL JUSTICE COORDINATING COUNCIL/ATLANTA, GA	16.034	B50-8-090	-	3,790
National Institute of Justice Research, Evaluation, and Development Project Grants Passed through from:				
THE URBAN INSTITUTE	16.560	101749-0001-GTARC-01	-	58,098
Total Department of Justice			-	72,348
Department of Labor				
Occupational Safety and Health_Susan Harwood Training Grants	17.502		-	151,804
WIOA Adult Program Passed through from:				
GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.258	GA FISCAL IMPACT MODEL	-	11,968
Total Department of Labor			-	163,772
Department of State				
International Programs to Support Democracy, Human Rights and Labor	19.345		24,000	357,968
Cyberspace and Digital Policy	19.665		-	416,420
Middle East Partnership Initiative Passed through from:				
AMERICAN UNIVERSITY OF BEIRUT/BERIUT, LABANON	19.500	SNEAAC20CA0028	-	251,233
Total Department of State			24,000	1,025,621
Department of Transportation				
Air Transportation Centers of Excellence	20.109		1,115,654	6,466,915
Highway Planning and Construction	20.205		-	297,739
Highway Training and Education	20.215		-	14,952
University Transportation Centers Program	20.701		182,888	256,080
Pipeline Safety Research Competitive Academic Agreement Program (CAAP)	20.724		-	46,460
Payments for Essential Air Services	20.901		-	2,587
Air Transportation Centers of Excellence Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	20.109	17-166	-	332,122
FLORIDA INST OF TECH/	20.109	232617 (GT)	-	64,781
GEORGIA DEPT OF TRANSPORTATION	20.109	AGR DTD 5/10/2022	-	238,481
GEORGIA DEPT OF TRANSPORTATION	20.109	RP 23-23	-	157,163
GEORGIA DEPT OF TRANSPORTATION	20.109	TASK ORDER NO. 2022-12	-	123,269
NATL ACADEMY OF SCIENCES/	20.109	HR 01-57B	-	40,889
NATL ACADEMY OF SCIENCES/	20.109	NCHRP-226	-	36,617
TEXAS A&M TRANSPORTATION INSTITUTE/COLLEGE STATION, TX	20.109	S230002	-	75,718
UNIVERSITY OF FLORIDA/	20.109	UFDSP00011673	-	315,880
UNIVERSITY OF FLORIDA/	20.109	UFDSP00011673 AMEND. 5	-	88,019
UNIVERSITY OF TEXAS AT ARLINGTON/ARLINGTON, TX	20.109	CTEDD 2022 022-01	-	26,768
Highway Research and Development Program Passed through from:				
OKLAHOMA STATE UNIVERSITY/STILLWATER, OK	20.200	1-578560-GTRC	-	42,947

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YEAR ENDED JUNE 30, 2023

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
Highway Planning and Construction				
Passed through from:				
GEORGIA DEPT OF TRANSPORTATION	20.205	EMAIL DTD 16 OCT 2018 - T8499	-	(7)
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER 2014-108, RP 20-22	-	153,571
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER 2022-06/RP 22-21	-	48,812
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER NO. 2022-04 RP 22-18	-	46,747
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER NO. 2022-05 RP 22-20	-	22,184
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER NO. 2022-08 RP 22-23	-	34,611
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER NO. 2022-09	-	23,544
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER NO. 2022-11 RP 22-26	-	47,537
GEORGIA DEPT OF TRANSPORTATION	20.205	TASK ORDER NO. 2022-12 RP 22-30	-	55,427
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-100 RP 20-10	-	(2,661)
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-101 RP 20-11	-	92,357
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-102 RP 20-12	-	169,967
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-104, RP 20-15	-	9,379
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-105 RP 20-17	-	(3,213)
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-106 RP 20-18	7,514	76,253
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-107 RP 20-19	-	41,226
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-110 RP 20-25	-	47,635
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-76, RES PRO 18-02	-	(2)
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-91, RP 19-04	-	11,227
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2022-07 RP 22-22	807	14,657
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2022-10 RP 22-25	-	34,534
NATL ACADEMY OF SCIENCES/	20.205	HR-01-60	26,925	71,935
UNIVERSITY OF CALIFORNIA/DAVIS, CA	20.205	A17-0183-S002	-	668,589
UNIVERSITY OF FLORIDA/	20.205	AMEND 20 (UFDSP00011673)	-	95,009
UNIVERSITY OF FLORIDA/	20.205	AMENDMENT 24	-	466
UNIVERSITY OF GEORGIA/ATHENS, GA	20.205	SUB00002399	-	2,303
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	20.205	087795-17555	-	80,565
UNIVERSITY OF MARYLAND - BALTIMORE/BALTIMORE, MD	20.205	108649-Z9815201	-	71,955
Highway Training and Education				
Passed through from:				
UNIVERSITY OF FLORIDA/	20.215	AMEND 20- (UFDSP00011673)	-	12,852
University Transportation Centers Program				
Passed through from:				
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY/ROLLA, MO	20.701	#0055082-02D	-	35,287
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY/ROLLA, MO	20.701	00055082-02C	-	96,515
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	20.701	16100096-024	-	52,838
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	20.701	12-S171237	-	7,168
Total Department of Transportation			1,333,788	10,746,654
Department of Treasury				
Coronavirus Relief Fund				
Passed through from:				
GA BD OF REGENTS	21.019	EMAIL DTD 4 APR 2020 FORTNER	-	6,100
GA BD OF REGENTS	21.019	FORTNER EMAIL 4 APR 2020	-	19,451
Total Department of Treasury			-	25,551
GENERAL SERVICES ADMINISTRATION				
Disposal of Federal Surplus Real Property				
	39.002		-	195,303
Disposal of Federal Surplus Real Property				
Passed through from:				
DYNETICS INC	39.002	DI-SC-21-60	-	205,580
ECCALON LLC/HANOVER,MD	39.002	EDUCATIONAL AGMT	-	(32,803)
JACOBS TECHNOLOGY INC	39.002	B1244010003	-	349,103
JACOS SVERDRUP ADVANCE SY	39.002	1153-01-00-06	-	732
JACOS SVERDRUP ADVANCE SY	39.002	1153-01-02-06	-	(9,775)
NORTHROP CORP	39.002	5300027015 R1	-	1,760,673
Total GENERAL SERVICES ADMINISTRATION			-	2,468,813
LIBRARY OF CONGRESS				
Affiliate Centers for the Book Programming Grants				
	42.014		-	66,329
Total LIBRARY OF CONGRESS			-	66,329

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YEAR ENDED JUNE 30, 2023

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 Aeronautics and Space Administration				
Science	43.001		1,542,583	8,082,582
Aeronautics	43.002		2,083,995	4,137,538
Exploration	43.003		77,665	209,585
Education	43.008		349,126	1,221,194
Space Technology	43.012		1,653,535	3,424,119
Science				
Passed through from:				
ANALYTICAL MECHANICS ASSOCIATES INC/HAMPTON, VA	43.001	RSES.C2.10.00009	-	13,696
BAY AREA ENVIRONMENTAL R	43.001	AGMT DTD 7/14/2022	-	29,663
CONTINUUM DYNAMICS INC/EWING, NJ	43.001	146215	-	129,570
CORNELL UNIVERSITY/ITHACA, NY	43.001	142075-21984	-	181,414
DARTMOUTH COLLEGE/HANOVER, NH	43.001	R1549	-	23,381
EDGEDWELLER INC/ATLANTA, GA	43.001	147067	-	1,065
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	43.001	000640	-	103,743
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	43.001	R000003028	-	254,774
GLOBAL TECHNOLOGY CONNECTIONS/ATLANTA, GA	43.001	147285	-	382
GLOBAL TECHNOLOGY CONNECTIONS/ATLANTA, GA	43.001	151283	-	50,847
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	21N0146	-	196
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	22N00163	-	166,250
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	80MSFC18C0011	-	28,609
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	PO23N00028	-	15,957
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.001	PO23N00111	-	73,383
JET PROP LAB	43.001	1665462	-	249,066
JET PROP LAB	43.001	1695984	-	7,020
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1650969	-	17,818
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1660879	-	(46)
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1670431	-	34,311
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1671083	-	16,002
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1671441	-	235,364
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1671740	-	25,429
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1681593	-	55,667
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1693704	-	10,404
LMI/MCLEAN,VA	43.001	PO20-00435; TO02 NASA TO55	-	97,701
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	43.001	MIT-GT-S5255	-	61,403
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	43.001	S4102/750175	-	83,481
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	43.001	S5609 PO# 710872	-	82,986
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	201201-GTRC	-	243,352
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	202071	-	87,945
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	202078-GTRC	-	732,097
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	202092-GTRC	-	394
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	202105-GTRC	-	125,000
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	302001-GTRC	-	124,002
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	T13-6500-GT	-	2,614,177
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	43.001	2020-0613-01	-	18,913
OHIO STATE UNIVERSITY/COLUMBUS, OH	43.001	60061601	-	9,092
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	43.001	5953-GTRC-NASA-B50G	-	2
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	43.001	S001845-NASA	-	637,990
PHYSICAL SCIENCES INC/ANDOVER, MA	43.001	SC 10-19301-104830-46	-	82,038
PLASMA PROCESSES INC/ HUNTSVILLE, AL	43.001	6006-040-JK-073021	-	128,884
SOUTHWEST RESEARCH INSTITUTE/ SPACE DYNAMICS LAB	43.001	699054X/15.12029	-	167,235
SPACE TELESCOPE SCIENCE INSTITUTE	43.001	CP0065524	-	127,366
SPACE TELESCOPE SCIENCE INSTITUTE	43.001	80NSSC21K1053	-	35,646
SPELMAN COLLEGE/ATLANTA, GA	43.001	23040-01-01	-	1,790
UNIVERSITY OF ARIZONA/TUCSON, AZ	43.001	PO# 109150	-	58,215
UNIVERSITY OF CALIFORNIA RIVERSIDE/RIVERSIDE, CA	43.001	S-000728	-	(1,130)
UNIVERSITY OF CALIFORNIA RIVERSIDE/RIVERSIDE, CA	43.001	S-001436	-	114,859
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	43.001	00010611	-	37,554
UNIVERSITY OF CENTRAL FLORIDA/	43.001	16306A16	-	234,766
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	43.001	109694-19062	-	29,679
UNIVERSITY OF SOUTHERN CALIFORNIA/LOS ANGELES,CA	43.001	SCON-00003914	-	35,851
VANDERBILT UNIVERSITY/NASHVILLE, TN	43.001	OSA00000129	-	47,545

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YEAR ENDED JUNE 30, 2023

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
Aeronautics				
Passed through from:				
CROWN CONSULTING INC/ARLINGTON,VA	43.002	TASK ORDER 02	-	214,418
JACOBS SPACE EXPLORATION GROUP/HUNTSVILLE, AL	43.002	PO # 20N0379	-	14,628
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1659103	-	53,380
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.002	602003	-	355,902
NORTH CAROLINA A&T STATE UNIV/GREENSBORO, NC	43.002	220072A	-	591,765
OEWAVES INC./PASADENA, CA	43.002	AGMT. 142585 DATED 04-07-2020	-	4,455
STANFORD UNIVERSITY/STANFORD, CA	43.002	62485886-176172	-	339,561
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	43.002	#133480	-	(44,608)
Education				
Passed through from:				
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.008	201089-GTRC	-	18,303
PRAIRIE VIEW A&M UNIVERSITY/PRAIRIE VIEW, TEXAS	43.008	M2000595/S200508	-	66,721
XAVIER UNIVERSITY OF LA/NEW ORLEANS, LA	43.008	ORSP-21-216812-01A	-	43,383
Space Technology				
Passed through from:				
AUBURN UNIVERSITY/AUBURN, ALABAMA	43.012	22-AMSTC-209400-GTRC	-	291,621
BAYLOR UNIVERSITY/WACO, TX	43.012	1001423-01	-	26,940
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	43.012	S5684 - PO 754493	-	18,774
MICHIGAN TECHNOLOGICAL UNIVERSITY/HOUGHTON, MICH	43.012	1607060Z4	-	119,202
UNIVERSITY OF CALIFORNIA/DAVIS, CA	43.012	A19-2477-S002	-	491,229
Total National Aeronautics and Space Administration			5,706,904	27,423,490
The National Endowment for the Humanities				
Promotion of the Humanities Office of Digital Humanities	45.169		-	71,901
Promotion of the Humanities_Division of Preservation and Access				
Passed through from:				
UNIV OF GEORGIA	45.149	SUB00001681	-	21,913
Total The National Endowment for the Humanities			-	93,814
National Science Foundation				
Engineering Grants	47.041		4,714,274	25,925,489
Mathematical and Physical Sciences	47.049		507,596	12,367,650
Geosciences	47.050		1,590,773	12,251,282
Computer and Information Science and Engineering	47.070		2,056,499	19,139,752
Biological Sciences	47.074		348,906	4,379,314
Social, Behavioral, and Economic Sciences	47.075		14,294	1,421,864
Education and Human Resources	47.076		515,996	8,433,060
Polar Programs	47.078		-	326,229
Office of International Science and Engineering	47.079		-	105,710
Office of Integrative Activities	47.083		-	835,319
NSF Technology, Innovation, and Partnerships	47.084		-	85,382
Engineering Grants				
Passed through from:				
AMERICAN SOCIETY FOR ENG EDU/WASHINGTON, DC	47.041	769-2072	-	18,553
AMERICAN SOCIETY FOR ENG EDU/WASHINGTON, DC	47.041	769-2108	-	76,775
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.041	15-741	-	789,376
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.041	ASUB00001126	-	35,866
ATMOSPHERIC & SPACE TECHNOLOGY RESEARCH ASSOCIATES/LOUISVILLE, CO	47.041	238-01	-	(4,063)
BARNARD COLLEGE/NEW YORK, NY	47.041	GT-1828168	-	24,614
BSCS SCIENCE LEARNING/COLORADO SPRINGS, CO	47.041	2020-20	-	91,798
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	47.041	1123649-463151	-	164,006
COLUMBIA UNIVERSITY/NEW YORK, NY	47.041	2(GG013222)	-	25,359
CORNELL UNIVERSITY/ITHACA, NY	47.041	143935-21767	-	12,438
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	47.041	000710	-	32,418
GEORGE WASHINGTON UNIVERSITY/WASHINGTON, DC	47.041	18-S10	-	19,086
HACKS HACKERS INC	47.041	49100421C0037	-	750
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.041	S4009/ 756419	9,533	199,677
MISSISSIPPI STATE UNIVERSITY/MISSISSIPPI STATE, MS	47.041	011900.327262.02	-	41,670
NORTH CAROLINA A&T STATE UNIV/GREENSBORO, NC	47.041	281230C	-	97,390
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	47.041	2017-2662-01	-	118
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	47.041	NSF 21-529	-	14,374
PRINCETON UNIVERSITY/PLAINSBORO, NJ	47.041	SUB0000385	-	13,403
PRINCETON UNIVERSITY/PLAINSBORO, NJ	47.041	SUB0000570	-	115,862

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PURDUE UNIVERSITY/WEST LAFAYETTE, IN	47.041	10001522-041	-	20,318
ROTOYE LLC/MARIETTA, GA	47.041	P2_GT_LIDAR	-	66,774
STANFORD UNIVERSITY/STANFORD, CA	47.041	63056934-267352	-	74,025
TEACHERS COLLEGE - COLUMBIA UNIVERSITY/NEW YORK, NY	47.041	513147	-	37
TEXAS TECH UNIVERSITY/LUBBOCK, TX	47.041	21P735-01	-	248,697
TULANE UNIVERSITY/NEW ORLEANS, LA	47.041	TUL-SCC-557922-20-21	-	31,934
UNIVERSITY OF CALIFORNIA/DAVIS, CA	47.041	A18-0727-S001	-	(21,444)
UNIVERSITY OF CALIFORNIA/SAN DIEGO,CA	47.041	706142	-	27,459
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	101397-18222	-	40,797
UNIVERSITY OF KENTUCKY RESEACH FDN/LEXINGTON,KY	47.041	320004377-22-075	-	59,207
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	47.041	117029-Z4017202	-	52,451
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5210039055A221	-	23,615
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5800041772C521	-	30,011
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5800041772D121	-	31,898
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5800041772S221	-	20,181
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5800041772S222	-	6,601
UNIVERSITY OF MASSACHUSETTS/LOWELL, MASSACHUSETTS	47.041	S5800041772S227	-	13,612
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	47.041	SSA 146903	-	2,808
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.041	UTA-001387	-	41,633
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.041	UT AUS-SUB00000185	-	127,840
UNIVERSITY OF TEXAS AT DALLAS/DALLAS, TX	47.041	23011443	-	26,089
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.041	153525	-	47,172
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.041	UWSC10741 BPO NO. 34658	-	11,068
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.041	0000002375	-	65,217
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.041	0000002543	-	143,411
VORTEX SPACE SYSTEMS/GAITHERSBURG, MARYLAND	47.041	150970	-	8,476
WICHITA STATE UNIVERSITY/WICHITA,KS	47.041	230024-23-00811	-	37,183
Mathematical and Physical Sciences				
Passed through from:				
CORNELL UNIVERSITY/ITHACA, NY	47.049	75548-20733	-	83,966
EMORY UNIVERSITY/ATLANTA, GA	47.049	A373696	-	160,620
FURMAN UNIVERSITY/GREENVILLE, SC	47.049	FU1081-GR	-	34,306
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	47.049	00011130	-	49,485
UNIVERSITY OF ILLINOIS/CHICAGO,IL	47.049	19244	-	14,350
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.049	UWSC12980	-	94,209
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.049	0000000293	-	44,277
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.049	0000000841	-	40,309
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.049	0000002387	-	130,681
Geosciences				
Passed through from:				
COLUMBIA UNIVERSITY/NEW YORK, NY	47.050	2(GG013237)	-	83,395
UNIVERSITY OF NEBRASKA/LINCOLN, NE	47.050	25-0514-0228-004	-	1,705
UNIVERSITY OF CALIFORNIA/SAN DIEGO,CA	47.050	83829300	-	35,482
Computer and Information Science and Engineering				
Passed through from:				
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	2021CIF-GEORGIA TECH-38	-	23,706
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	2021CIF-GEORGIA TECH-39	-	19,583
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	CIF2020-GT-05	-	145,805
JOHNS HOPKINS UNIV/BALTIMORE, MD	47.070	2005091754	-	71,408
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.070	S4021, PO#243310	-	8,342
NORTHEASTERN UNIVERSITY/BOSTON, MA	47.070	502658-78052	-	61,924
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	47.070	00010542	-	115,658
UNIVERSITY OF CALIFORNIA/SANTA BARBARA,CA	47.070	KK1926	-	130,599
UNIVERSITY OF CHICAGO/CHICAGO, IL	47.070	AWD064198 (SUB00000575)	-	47,091
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	083842-16099	-	161,571
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	108825-18963	-	54,077
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	47.070	5115818	-	78,463
UNIVERSITY OF TENNESSEE/	47.070	A19-0308-S001	-	(372)
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.070	SUB00000703	-	46,120
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.070	UTA19-001218	-	6,110
UNIVERSITY OF UTAH/SALT LAKE CITY, UT	47.070	10046930-GaTech	-	148,743
VIRGINIA TECH/BLACKSBURG, VA	47.070	480073-19034	-	7,633
VIRGINIA TECH/BLACKSBURG, VA	47.070	480366-19034	-	41,426

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Biological Sciences				
Passed through from:				
CORNELL UNIVERSITY/ITHACA, NY	47.074	T.O. 1	-	150,524
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.074	11361	-	191
Social, Behavioral, and Economic Sciences				
Passed through from:				
SEARCH TECHNOLOGY INC/	47.075	STI-GTRC-18-1	-	50,820
UNIVERSITY OF MICHIGAN/	47.075	SUBK00010837	-	27,628
Education and Human Resources				
Passed through from:				
AMERICAN CHEMICAL SOCIETY	47.076	AGMT DTD 5/28/19	-	21,462
AMERICAN CHEMICAL SOCIETY	47.076	AGMT DTD 6/17/2020	-	22,852
DUKE UNIVERSITY/DURHAM, NC	47.076	333-2811	-	72,341
GEORGIA RESEARCH ALLIANCE/ATLANTA, GA	47.076	2112532-GATECH	-	264,872
NORTHWESTERN UNIVERSITY/EVANSTON, IL	47.076	SP0049508-PROJ0013883	-	(76)
UNIVERSITY OF COLORADO/BOULDER, CO	47.076	1559732	-	17,797
UNIVERSITY OF GEORGIA/ATHENS, GA	47.076	SUB00001592	-	102,773
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.076	097202-17661	-	17,000
WOODS HOLE OCEANOGRAPHIC INSTITUTE/WOODS HOLE, MA	47.076	A101541	-	19,771
Polar Programs				
Passed through from:				
UNIVERSITY OF KANSAS/LAWRENCE, KS	47.078	FY2022-008	-	3,536
Office of Integrative Activities				
Passed through from:				
EDUWORKS/CORVALLIS,OR	47.083	GAT6120	-	(4,055)
EDUWORKS/CORVALLIS,OR	47.083	GAT9120	-	110,740
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	47.083	104051-Z3820202	-	121,273
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	47.083	0000001913	-	142,414
Total National Science Foundation			9,757,871	91,360,126
OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE				
Intelligence Community Centers for Academic Excellence	54.001		362,502	565,505
Intelligence Community Centers for Academic Excellence				
Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	54.001	ASUB00000950	-	228,159
BROWN UNIVERSITY/PROVIDENCE, RI	54.001	00001811	-	82,409
BROWN UNIVERSITY/PROVIDENCE, RI	54.001	00002059	-	244,718
INTEL FEDERAL LLC/CHANDLER, AZ	54.001	CW2081704	-	181,602
RAYTHEON	54.001	LTR DTD 25-MAR-2023	-	1,121
SRI INTERNATIONAL/MENLO PARK, CA	54.001	PO73868	-	187,860
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	54.001	152825	-	1,103
Total OFFICE OF THE DIRECTOR OF NATIONAL INTELLIGENCE			362,502	1,492,477
Department of Veteran Affairs				
Research and Development	64.054		-	(13,805)
Total Department of Veteran Affairs			-	(13,805)
Environmental Protection Agency				
Science To Achieve Results (STAR) Research Program	66.509		-	488,778
Office of Research and Development Consolidated Research/Training/Fellowships	66.511		24,998	321,924
Pollution Prevention Grants Program	66.708		7,527	16,996
Office of Research and Development Consolidated Research/Training/Fellowships				
Passed through from:				
GA DEPT NATURAL RESOURCES/	66.511	AGR DTD 4/7/2021	-	-
HEALTH EFFECTS INSTITUTE/CAMBRIDGE, MA	66.511	4988-RFA20-1A/21-11	-	208,426
LAKE MICHIGAN AIR DIRECTORS CONSORTIUM (LADCO)/ROSEMONT, IL	66.511	AGMT DTD 9-29-2021	-	6,261
UNIVERSITY OF GEORGIA/ATHENS, GA	66.511	SUB00002418	-	226,983
Total Environmental Protection Agency			32,525	1,269,368
Nuclear Regulatory Commission				
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008		-	114,384
Total Nuclear Regulatory Commission			-	114,384

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Department of Energy				
Cybersecurity, Energy Security & Emergency Response (CESER)	81.008		127,959	793,528
Office of Science Financial Assistance Program	81.049		1,424,559	8,721,387
Conservation Research and Development	81.086		144,125	1,962,555
Renewable Energy Research and Development	81.087		664,200	2,682,990
Fossil Energy Research and Development	81.089		556,631	1,680,043
Stewardship Science Grant Program	81.112		-	194,436
Defense Nuclear Nonproliferation Research	81.113		3,178,710	4,039,575
Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	81.117		-	34,854
Nuclear Energy Research, Development and Demonstration	81.121		550,674	1,578,474
Electricity Delivery and Energy Reliability, Research, Development and Analysis	81.122		366,291	526,167
Advanced Research Projects Agency - Energy	81.135		520,784	3,559,741
Office of Science Financial Assistance Program				
Passed through from:				
LAWR LIVERMORE NATL LAB	81.049	B617458	-	(2)
ADVANCED MATERIALS SCIENTIA LLC/BOTHEL, WA	81.049	DEP2C001	-	23,417
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AICHE)/NEW YORK, NY	81.049	Project 7.9	-	74,797
AMES NATIONAL LABORATORY/AMES, IA	81.049	SC-18-463	-	199,151
AMES NATIONAL LABORATORY/AMES, IA	81.049	SC-19-495	-	58,254
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	0F-60145	-	(9,844)
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	1F-60591	-	24,747
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	2F-60088	-	90,000
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	3F-60001	-	207,245
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	3F-60014	-	30,194
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	AVTC12	-	56,318
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	AVTC13	-	63,496
BATTELLE PNW	81.049	644573	-	148,150
BERT THIN FILMS LLC/LOUISVILLE, KY	81.049	152691	-	5,200
BROOKHAVEN NATIONAL LAB/UPTON, NY	81.049	343172	-	75,481
BROWN UNIVERSITY/PROVIDENCE, RI	81.049	1289	-	4,211
CONSOLIDATED NUCLEAR SECU	81.049	4300172993	-	70,362
CONSOLIDATED NUCLEAR SECURITY LLC/OAK RIDGE, TN	81.049	4300161789	-	52,283
CONTINUUM DYNAMICS INC/EWING, NJ	81.049	147072	-	146,698
CORMETECH INC/CHARLOTTE, NC	81.049	CM-DOE-002	-	165,351
EXTREME SCALE SOLUTIONS LLC/NEW CASTLE, DE	81.049	149855	-	155,395
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	81.049	R01436	-	24,962
FLUOR MARINE PROPULSION LLC/WEST MIFFLIN, PA	81.049	131210	25,000	207,215
GCAS INCORPORATED/SAN MARCOS, CA	81.049	22-2038-01	-	30,805
GENERAL ELECTRIC TURBINE TECHNOLOGY CTR/GREENVILLE, SC	81.049	AGR DTD 27-SEP-2022	-	195,776
GEORGIA DEPT OF TRANSPORTATION	81.049	2014-111	-	471,017
GEORGIA DEPT OF TRANSPORTATION	81.049	2022-02, RES PROJ 21-06	-	31,570
GEORGIA DEPT OF TRANSPORTATION	81.049	EMAIL DTD 9.19.2018 COST SHARE	-	(1,625)
GEORGIA DEPT OF TRANSPORTATION	81.049	TASK ORDER 2022-03 RP 21-09	-	68,140
GEORGIA DEPT OF TRANSPORTATION	81.049	TASK ORDER NO. 2022-01 RP 21-04	-	79,477
GLOBAL TECHNOLOGY CONNECTIONS/ATLANTA, GA	81.049	147590	-	10,261
HALLIBURTON ENERGY SERVICES/DUNCAN, OK	81.049	DE-FG02-01ER54656	-	383,948
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000421066	-	23,230
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000423693	-	82,565
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000424246	-	108,388
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000429409	-	79,374
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000469439	-	28,804
HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY/KANSAS CITY, MO	81.049	N000485679	-	7,859
HONEYWELL INC	81.049	DE-NA0002839	-	9,549
HONEYWELL INC	81.049	N000037174	-	842,670
IBM CORPORATION/	81.049	PO DTD 3/2/2022	-	104,304
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	226040	-	23,641
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	254172	-	100,623
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	255609	-	6,501
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	256854	-	105,846
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	273726	-	71,095
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	279914	-	17,675
INERT PLASMA CHARGING LLC/CHANDLER,AZ	81.049	9/2/2020 ATP	-	96,000
JOHNS HOPKINS UNIV/BALTIMORE, MD	81.049	2004690045	-	23,330
KEY LOGIC/MORGANTOWN, WV	81.049	5000-626-001	-	54,639
KEY LOGIC/MORGANTOWN, WV	81.049	5000-626-002	-	39,603

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LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7360408	-	154,024
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7587697	-	8,965
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7593297	-	93,582
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7616952	-	133,346
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7625419	-	91,166
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7661589	-	19,837
LEIDOS INC/MCLEAN, VA	81.049	P010230959	-	(221)
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B636911	-	58,640
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B639903	-	6
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B643120	-	(5,587)
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B644118	-	178,790
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B650575	-	43,708
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B650911	-	130,337
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B651475	-	40,271
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B653933	-	31,897
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE,CA	81.049	B655768	-	44,474
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS, NM	81.049	613160	-	122,072
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS, NM	81.049	628281	-	26,544
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)/LOS ALAMOS, NM	81.049	633534	-	42,285
LOS ALAMOS NATL	81.049	C2103-547813-CW16680-EP50639	-	1,619,214
LOS ALAMOS NATL	81.049	C33332	-	77,162
LOS ALAMOS NATL	81.049	CW19783	-	2,372,218
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	81.049	535932	-	513,079
NAECO LLC/PEACHTREE CITY	81.049	AGR DTD 12-05-2022	-	36,634
OSAZDA ENERGY LLC/ALBUQUERQUE, NM	81.049	140532	-	(8,286)
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	525225	-	27,995
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	535498	-	113,550
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	619752	-	71,304
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	635402	-	23,012
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	649468	-	32,172
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	660906	-	1,194
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	673308	-	35,302
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	81.049	S000014-EARPA	-	148,084
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	81.049	S003204-NSF	-	61,872
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	81.049	S003600-USDOE	-	38,872
PHILLIPS 66 CO/BARTLESVILLE, OK	81.049	GTRC AGMT DTD. 12/08/2020	-	429,808
PRINCETON UNIVERSITY/PLAINSBORO, NJ	81.049	SUB00000518	-	12,070
SAINTE GOBAIN RARCH & DEVELOPMENT/NORTHBORO,MA	81.049	AGR DTD 9/17/2021	-	430,963
SANDIA NATL LAB	81.049	2032371	-	41
SANDIA NATL LAB	81.049	2156722	-	196
SANDIA NATL LAB	81.049	2170449	-	59
SANDIA NATL LAB	81.049	2243697	-	14,314
SANDIA NATL LAB	81.049	2382059	-	19,004
SANDIA NATL LAB	81.049	2484695	-	13,318
SANDIA NATL LABS/SANDIA CORP	81.049	2001728	-	(51)
SANDIA NATL LABS/SANDIA CORP	81.049	2015247	-	8,079
SANDIA NATL LABS/SANDIA CORP	81.049	2079964	-	48,857
SANDIA NATL LABS/SANDIA CORP	81.049	2080123	-	19,796
SANDIA NATL LABS/SANDIA CORP	81.049	2085524	-	15,444
SANDIA NATL LABS/SANDIA CORP	81.049	2088470	-	21,756
SANDIA NATL LABS/SANDIA CORP	81.049	2103933	-	109,852
SANDIA NATL LABS/SANDIA CORP	81.049	2104076	-	18,634
SANDIA NATL LABS/SANDIA CORP	81.049	2120337	-	56,021
SANDIA NATL LABS/SANDIA CORP	81.049	2146288	-	26,077
SANDIA NATL LABS/SANDIA CORP	81.049	2181623	-	831
SANDIA NATL LABS/SANDIA CORP	81.049	2197001	-	39,762
SANDIA NATL LABS/SANDIA CORP	81.049	2200840	-	45,125
SANDIA NATL LABS/SANDIA CORP	81.049	2201282	-	35,171
SANDIA NATL LABS/SANDIA CORP	81.049	2204587	-	219,039
SANDIA NATL LABS/SANDIA CORP	81.049	2204644	-	48,233
SANDIA NATL LABS/SANDIA CORP	81.049	2205488	-	91,073
SANDIA NATL LABS/SANDIA CORP	81.049	2205639	-	105,994
SANDIA NATL LABS/SANDIA CORP	81.049	2206492	-	91,770
SANDIA NATL LABS/SANDIA CORP	81.049	2208511	-	56,481
SANDIA NATL LABS/SANDIA CORP	81.049	2208925	-	158,088
SANDIA NATL LABS/SANDIA CORP	81.049	2210029	-	97,390

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SANDIA NATL LABS/SANDIA CORP	81.049	2210236	-	7,061
SANDIA NATL LABS/SANDIA CORP	81.049	2211212	-	15,193
SANDIA NATL LABS/SANDIA CORP	81.049	2214568	-	27,228
SANDIA NATL LABS/SANDIA CORP	81.049	2217491	-	28,500
SANDIA NATL LABS/SANDIA CORP	81.049	2220704	-	65,448
SANDIA NATL LABS/SANDIA CORP	81.049	2252364	-	40,814
SANDIA NATL LABS/SANDIA CORP	81.049	2256491	-	88,933
SANDIA NATL LABS/SANDIA CORP	81.049	2295870	-	106,590
SANDIA NATL LABS/SANDIA CORP	81.049	2302413	-	94,884
SANDIA NATL LABS/SANDIA CORP	81.049	2302845	-	96,309
SANDIA NATL LABS/SANDIA CORP	81.049	2303121	-	13,074
SANDIA NATL LABS/SANDIA CORP	81.049	2308639	-	28,635
SANDIA NATL LABS/SANDIA CORP	81.049	2309893	-	9,619
SANDIA NATL LABS/SANDIA CORP	81.049	2311964	-	374,333
SANDIA NATL LABS/SANDIA CORP	81.049	2321430	-	(4,850)
SANDIA NATL LABS/SANDIA CORP	81.049	2322380	-	111,896
SANDIA NATL LABS/SANDIA CORP	81.049	2324303	-	115,781
SANDIA NATL LABS/SANDIA CORP	81.049	2325234	-	90,789
SANDIA NATL LABS/SANDIA CORP	81.049	2333195	24,382	366,911
SANDIA NATL LABS/SANDIA CORP	81.049	2335698	-	194,478
SANDIA NATL LABS/SANDIA CORP	81.049	2337470	-	27,370
SANDIA NATL LABS/SANDIA CORP	81.049	2339702	-	76,852
SANDIA NATL LABS/SANDIA CORP	81.049	2343910	-	23,756
SANDIA NATL LABS/SANDIA CORP	81.049	2354695	-	13,922
SANDIA NATL LABS/SANDIA CORP	81.049	2354877	-	75,000
SANDIA NATL LABS/SANDIA CORP	81.049	2358872	-	87,290
SANDIA NATL LABS/SANDIA CORP	81.049	2359215	-	98,684
SANDIA NATL LABS/SANDIA CORP	81.049	2361199	-	75,000
SANDIA NATL LABS/SANDIA CORP	81.049	2362549	-	36,595
SANDIA NATL LABS/SANDIA CORP	81.049	2407978	-	68,517
SANDIA NATL LABS/SANDIA CORP	81.049	2409015	-	61,289
SANDIA NATL LABS/SANDIA CORP	81.049	2420481	-	201,656
SANDIA NATL LABS/SANDIA CORP	81.049	2421286	-	22,258
SANDIA NATL LABS/SANDIA CORP	81.049	2422655	-	19,093
SANDIA NATL LABS/SANDIA CORP	81.049	2426533	-	3,996
SANDIA NATL LABS/SANDIA CORP	81.049	2426642	-	8,607
SANDIA NATL LABS/SANDIA CORP	81.049	2427464	-	13,184
SANDIA NATL LABS/SANDIA CORP	81.049	2427637	-	67,980
SANDIA NATL LABS/SANDIA CORP	81.049	2427721	-	40,831
SANDIA NATL LABS/SANDIA CORP	81.049	2436059	-	42,786
SANDIA NATL LABS/SANDIA CORP	81.049	2440677	-	85,000
SANDIA NATL LABS/SANDIA CORP	81.049	2441995	-	49,474
SANDIA NATL LABS/SANDIA CORP	81.049	2446483	-	36,849
SANDIA NATL LABS/SANDIA CORP	81.049	2447101	-	12,465
SANDIA NATL LABS/SANDIA CORP	81.049	2449677	-	16,255
SANDIA NATL LABS/SANDIA CORP	81.049	2459731	-	27,240
SANDIA NATL LABS/SANDIA CORP	81.049	2460443	-	9,347
SANDIA NATL LABS/SANDIA CORP	81.049	PO 2112650	-	29,691
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/AIKEN, SC	81.049	265739	-	122
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/AIKEN, SC	81.049	GT00005	-	71,940
SAVANNAH RIVER NATIONAL LABORATORY/BATTELLE SAVANNAH RIVER ALLIANCE/ AIKEN, SC	81.049	0000546198	-	78,743
SAVANNAH RIVER NATIONAL LABORATORY/BATTELLE SAVANNAH RIVER ALLIANCE/ AIKEN, SC	81.049	0000549431	-	222,860
SAVANNAH RIVER NATIONAL LABORATORY/BATTELLE SAVANNAH RIVER ALLIANCE/ AIKEN, SC	81.049	0000555848	-	27,504
SAVANNAH RIVER NATIONAL LABORATORY/BATTELLE SAVANNAH RIVER ALLIANCE/ AIKEN, SC	81.049	0000583196	-	23,258
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	81.049	5-57741	-	17,161
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	215043	-	97,332
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	218262	-	153,604
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	222023	-	101,726
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	224727	-	29,975
SLAC NATIONAL ACCELERATOR LABORATORY/MENLO PARK, CA	81.049	224919	-	22,291
SOLIDIA TECHNOLOGIES INC/ PISCATAWAY, NJ	81.049	PO NO 013765	-	86,499
SOUTHERN COMPANY SERVICES INC / GEORGIA	81.049	62668	-	(9,575)
STATE UNIV OF NY AT STONY BROOK/STONY BROOK, NY	81.049	68856-TASK 3, PROJ. 1119493	-	2,215
SUSTAINABLE MANUFACTURING INNOVATION ALLIANCE CORP/WEST HENRIETTA, NY	81.049	1	-	3,529
UNIVERSITY OF ARIZONA/TUCSON, AZ	81.049	688253	-	155,340
UNIVERSITY OF MICHIGAN/	81.049	SUBK00017478	-	69,619

**GEORGIA TECH RESEARCH CORPORATION,
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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
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	81.049	A003127003	-	23,766
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	81.049	A010319802	-	37,128
UNIVERSITY OF PITTSBURG/PITTSBURG, PA	81.049	AWD00001252 (415707-1)	-	77,728
UNIVERSITY OF WASHINGTON/SEATTLE, WA	81.049	UWSC14090	-	50,696
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	81.049	0000001272	-	34,115
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000161873	-	(28,482)
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000167866	-	1,861
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000175377	-	19,334
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000180433	-	169,311
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192646	-	33,799
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192834	-	155,013
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192842	-	14,455
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192884	-	12,448
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000192889	-	87,303
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000193240	-	28,920
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000193275	12,881	2,231
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000193316	-	344,709
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000193660	-	3,080
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000193834	-	77,225
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000194317	-	74,231
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000200212/CW34632	-	11,500
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	CW33363/4000204419	-	85,352
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	CW38531/4000200953	-	5,000
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	CW38531/4000201007	-	37,167
VANDERBILT UNIVERSITY/NASHVILLE, TN	81.049	#19067-S12	-	271,934
University Coal Research				
Passed through from:				
FAMU	81.057	C-5133	-	69,886
Conservation Research and Development				
Passed through from:				
NIKOLA MOTOR COMPANY/PHOENIX, AZ	81.086	GTRC 141800 DTD 05/26/2021	-	2,604
UNIVERSITY OF TENNESSEE/	81.086	A21-0468-S001	-	127,090
Renewable Energy Research and Development				
Passed through from:				
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AICHE)/NEW YORK, NY	81.087	4	-	1
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AICHE)/NEW YORK, NY	81.087	DE-EE0007888-10-5	-	29,474
ARIZONA STATE UNIVERSITY/TEMPE, AZ	81.087	ASUB00000586	-	568,982
ELECTRIC POWER RES INST/	81.087	10012453	-	74,916
GAS TECHNOLOGY INSTITUTE/DES PAINES, IL	81.087	S1082	-	165,559
NORTHWESTERN UNIVERSITY/EVANSTON, IL	81.087	SP0045962-PROJ0012882	-	1,473
TEXAS TECH UNIVERSITY/LUBBOCK, TX	81.087	210345-01	-	1,902
UNIVERSITY OF CALIFORNIA/SAN DIEGO,CA	81.087	1916-1689	-	(69)
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	81.087	101795-18675	-	110,332
UNIVERSITY OF WASHINGTON/SEATTLE, WA	81.087	UWSC11179	-	11,318
Fossil Energy Research and Development				
Passed through from:				
GAS TECHNOLOGY INSTITUTE/DES PAINES, IL	81.089	SR105 PROJ NO 23178	-	39,590
GLOBAL THERMOSTAT/NEW YORK, NY	81.089	AGMT DTD 9/3/2021	-	151,008
Defense Nuclear Nonproliferation Research				
Passed through from:				
UNIVERSITY OF MICHIGAN/	81.113	SUBK0009797	-	177,176
Nuclear Energy Research, Development and Demonstration				
Passed through from:				
AUBURN UNIVERSITY/AUBURN, ALABAMA	81.121	22-MREC-211755-GTRC	-	75,681
SYRACUSE UNIVERSITY/SYRACUSE, NY	81.121	#30308-05133-S01	-	23,376
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	81.121	M2201185-28-520490-00002	-	86,582
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	81.121	M2300676	-	21,238
UNIVERSITY OF TENNESSEE/	81.121	A20-0408-S0001	-	124,152
Advanced Research Projects Agency - Energy				
Passed through from:				
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	81.135	1070254-427580	-	67,477
LEHIGH UNIVERSITY/BETHLEHEM, PA	81.135	#543891-78003	-	3,169
UNIVERSITY OF MICHIGAN/	81.135	SUBK00010993	-	67,753
UNIVERSITY OF PITTSBURG/PITTSBURG, PA	81.135	AWD00006486 (419518-1)	-	55,564
UNIVERSITY OF WASHINGTON/SEATTLE, WA	81.135	UWSC13102	-	151,234
Total Department of Energy			7,596,196	47,546,653

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Department of Education				
National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	84.015		145,654	271,987
Rehabilitation Services Independent Living Services for Older Individuals Who are Blind	84.177		-	853,963
Graduate Assistance in Areas of National Need	84.200		-	83,527
Centers for International Business Education	84.220		-	383,351
Fund for the Improvement of Postsecondary Education				
Passed through from:				
GWINNETT COUNTY PUBLIC SC	84.116	AGR DTD 6-18-2021	-	(12)
Magnet Schools Assistance				
Passed through from:				
CLAYTON COUNTY SCHOOL SYSTEM/FOREST PARK, GA	84.165	152387	-	12,909
Elementary and Secondary School Emergency Relief Fund				
Passed through from:				
GEORGIA STATEWIDE AFTERSCHOOL NETWORK/ATLANTA, GA	84.425U	S425U210012	-	229,284
Total Department of Education			145,654	1,835,009
Department of Health and Human Services				
Food and Drug Administration_Research	93.103		-	204,236
Environmental Health	93.113		-	(198)
Oral Diseases and Disorders Research	93.121		481,871	1,814,307
Health Program for Toxic Substances and Disease Registry	93.161		1,599,639	6,479,079
Research Related to Deafness and Communication Disorders	93.173		45,168	507,720
Immunization Research, Demonstration, Public Information and Education Training and Clinical Skills Improvement Projects	93.185		4,801	84,374
Mental Health Research Grants	93.242		370,210	939,503
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		492,183	3,675,137
Trans-NIH Research Support	93.310		698,616	4,892,723
Cancer Detection and Diagnosis Research	93.394		-	629,649
Cancer Treatment Research	93.395		95,080	2,130,816
Cancer Biology Research	93.396		774,173	1,929,290
Cancer Research Manpower	93.398		-	41,586
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433		740,047	2,382,608
CDC Undergraduate Public Health Scholars Program (CUPS): A Public Health Experience to Expose Undergraduates Interested in Minority Health to Public Health and the Public Health Professions	93.456		57,849	81,721
ACL Assistive Technology	93.464		278,685	739,297
Cardiovascular Diseases Research	93.837		702,315	1,332,393
Lung Diseases Research	93.838		60,728	343,725
Blood Diseases and Resources Research	93.839		11,377	741,035
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		14,234	1,317,268
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847		300,161	885,806
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		504,376	4,003,981
Allergy and Infectious Diseases Research	93.855		193,623	1,306,674
Biomedical Research and Research Training	93.859		109,364	6,975,928
Child Health and Human Development Extramural Research	93.865		183,609	918,923
Aging Research	93.866		66,186	551,495
Vision Research	93.867		539,680	2,163,300
International Research and Research Training	93.989		214,144	3,233,297
Preventive Health and Health Services Block Grant	93.991		-	35,611
Special Programs for the Aging, Title IV, and Title II, Discretionary Projects				
Passed through from:				
DHS DIVISION OF AGING SERVICES/ATLANTA,GA	93.048	42700-373-0000098226	-	(81)
Birth Defects and Developmental Disabilities - Prevention and Surveillance				
Passed through from:				
TASK FORCE GLOBAL HEALTH	93.073	5605	-	101,778
Prevention of Disease, Disability, and Death by Infectious Diseases				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.084	A791108	-	29,600
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.084	GF11175.169404	-	32,867

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Food and Drug Administration_Research				
Passed through from:				
CHILDREN'S HOSPITAL OF PHILADELPHIA/PHILADELPHIA, PA	93.103	3201480823/PO 20452775	-	44,738
MASSACHUSETTS GENERAL HOSPITAL/BOSTON, MA	93.103	236632	-	387,565
Environmental Health				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.113	A507001	-	50,670
EMORY UNIVERSITY/ATLANTA, GA	93.113	A561670	-	62,294
EMORY UNIVERSITY/ATLANTA, GA	93.113	A662282 (FORMALLY T779501)	-	132,178
EMORY UNIVERSITY/ATLANTA, GA	93.113	A747543	-	315,490
EMORY UNIVERSITY/ATLANTA, GA	93.113	A805215	-	121,050
UNIVERSITY OF WASHINGTON/SEATTLE, WA	93.113	UWSC13766	-	7,475
Oral Diseases and Disorders Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.121	A659044	-	21,242
EMORY UNIVERSITY/ATLANTA, GA	93.121	A694851	-	88,025
EMORY UNIVERSITY/ATLANTA, GA	93.121	A704848	-	229,941
EMORY UNIVERSITY/ATLANTA, GA	93.121	T825580	-	11,645
Centers for Research and Demonstration for Health Promotion and Disease Prevention				
Passed through from:				
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.135	PRC-331	-	20,000
Injury Prevention and Control Research and State and Community Based Programs				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.136	A370066	-	19,169
Health Program for Toxic Substances and Disease Registry				
Passed through from:				
BIRKELAND CURRENT/PRUF ENERGY CONTROLS/WACO, TX	93.161	145597	-	24,916
COLORADO STATE UNIVERSITY/COLLINS, CO	93.161	G-64112-03	-	7,866
M S TECHNOLOGIES CORPORATION/ROCKVILLE, MD	93.161	146440	-	245,903
MAYO CLINIC/ROCHESTER, MN	93.161	GEO-234122/PO#68290287	-	18,900
MAYO CLINIC/ROCHESTER, MN	93.161	GEO-259345	-	51,230
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	93.161	2019-2552-01	-	56,318
WEILL CORNELL MEDICAL COLLEGE/NEW YORK, NY	93.161	222489	-	31,898
Research Related to Deafness and Communication Disorders				
Passed through from:				
UNIVERSITY OF TEXAS AT DALLAS/RICHARDSON, TX	93.173	UTA19-001005	-	224,430
Research and Training in Complementary and Integrative Health				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.213	A658448	-	17,550
Policy Research and Evaluation Grants				
Passed through from:				
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	93.239	0000002367	-	21,589
Mental Health Research Grants				
Passed through from:				
UNIVERSITY OF PITTSBURG/PITTSBURG, PA	93.242	AWD00005882 (138447-2)	-	8,417
Drug Abuse and Addiction Research Programs				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.279	A371765 (A555961 SUPPLEMENT)	-	76,771
EMORY UNIVERSITY/ATLANTA, GA	93.279	A584294	-	115,613
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.279	S50142-PO 453106	-	305,944
RTI INTERNATIONAL/ RESEARCH TRIANGLE	93.279	10-312-0216924-66742L	-	98,464
Discovery and Applied Research for Technological Innovations to Improve Human Health				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.286	A325090	-	810,403
EMORY UNIVERSITY/ATLANTA, GA	93.286	A390401	-	56,170
EMORY UNIVERSITY/ATLANTA, GA	93.286	A454923	-	30
EMORY UNIVERSITY/ATLANTA, GA	93.286	A454979	-	(3,333)
EMORY UNIVERSITY/ATLANTA, GA	93.286	A688441	-	27,239
EMORY UNIVERSITY/ATLANTA, GA	93.286	A689054	-	24,241
EMORY UNIVERSITY/ATLANTA, GA	93.286	A689508	-	48,167
EMORY UNIVERSITY/ATLANTA, GA	93.286	A691299	-	36,122
EMORY UNIVERSITY/ATLANTA, GA	93.286	A735903	-	44,818
EMORY UNIVERSITY/ATLANTA, GA	93.286	A776503	-	41,804
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.286	S5408	-	260,731
STANFORD UNIVERSITY/STANFORD, CA	93.286	62440498-142337	-	54,298
UNIVERSITY OF PITTSBURG/PITTSBURG, PA	93.286	AWD00003057(135510-1)	-	6,824

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Minority Health and Health Disparities Research				
Passed through from:				
NORTHEASTERN UNIVERSITY/BOSTON, MA	93.307	500759-78052	-	95,978
Trans-NIH Research Support				
Passed through from:				
AMERICAN ASSOCIATION ON HEALTH AND DISABILITY/ROCKVILLE, MD	93.310	151132	-	13,589
ANNOVIANT/ALPHARETTA, GA	93.310	147851	-	118,654
BMSEED/PHOENIX, AZ	93.310	R43NS124469	-	58,266
CELLIA SCIENCE/FAYETTEVILLE,AR	93.310	150779	-	26,164
CHILDREN'S RESEARCH INSTITUTE/WASHINGTON, DC	93.310	30006286-03	-	158,822
CREIGHTON UNIVERSITY/OMAHA,NE	93.310	270766-2-1	-	(72)
EMORY UNIVERSITY/ATLANTA, GA	93.310	A373816	-	26,409
EMORY UNIVERSITY/ATLANTA, GA	93.310	A395206	-	22,008
EMORY UNIVERSITY/ATLANTA, GA	93.310	A464642	-	32,450
EMORY UNIVERSITY/ATLANTA, GA	93.310	A513134	-	197,701
EMORY UNIVERSITY/ATLANTA, GA	93.310	A540629	-	32,115
EMORY UNIVERSITY/ATLANTA, GA	93.310	A569656	-	6,240
EMORY UNIVERSITY/ATLANTA, GA	93.310	A576223	16,837	115,031
EMORY UNIVERSITY/ATLANTA, GA	93.310	A577288	-	64,313
EMORY UNIVERSITY/ATLANTA, GA	93.310	A587065	-	6,853
EMORY UNIVERSITY/ATLANTA, GA	93.310	A645895	-	56,904
EMORY UNIVERSITY/ATLANTA, GA	93.310	A651796	-	12,545
EMORY UNIVERSITY/ATLANTA, GA	93.310	A723132	-	20,776
EMORY UNIVERSITY/ATLANTA, GA	93.310	A733023	-	51,937
EMORY UNIVERSITY/ATLANTA, GA	93.310	A740489	-	112,485
EMORY UNIVERSITY/ATLANTA, GA	93.310	A748001	-	39,531
EMORY UNIVERSITY/ATLANTA, GA	93.310	A765205	-	146,271
EMORY UNIVERSITY/ATLANTA, GA	93.310	A785558	-	157,144
EMORY UNIVERSITY/ATLANTA, GA	93.310	A820959	-	168,169
GEORGIA DEPARTMENT OF PUBLIC HEALTH/ATLANTA, GA	93.310	40500-036-21213723	-	736
IBM CORP/GA	93.310	4700266271	-	9,260
MAYO CLINIC/ROCHESTER, MN	93.310	GEO-281375	-	94,145
MEDICAL COLLEGE OF WISCONSIN/MILWAUKEE, WI	93.310	GTRC 150895	-	102,298
MIRTECH INC/BROCKTON, MA	93.310	150014	-	7,266
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.310	100-ROLLINS	-	70,733
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.310	PRC-703 HENRY AKINTOBI	-	111,766
MS TECHNOLOGIES/ ROCKVILLE, MD	93.310	147901	-	8,570
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	93.310	2022-1752-01	-	35,000
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	93.310	2022-2066-01	-	89,556
NORTHWESTERN UNIVERSITY/EVANSTON, IL	93.310	60058446 GTRC	-	14
OPEN EPHYS/CAMBRIDGE, MA	93.310	149079	-	10,851
PHOTOSOUND TECHNOLOGIES INC./HOUSTON, TX	93.310	149002	-	108,423
SEATTLE CHILDRENS RESEARCH INSTITUTE, SEATTLE, WA	93.310	12856SUB	-	152,763
SIRPANT/HUMMELSTOWN,PA	93.310	150780	-	370,479
TASK FORCE GLOBAL HEALTH	93.310	AGMT DTD 12/17/2021	-	(10,006)
THE MARCUS FOUNDATION INC./ATLANTA, GA	93.310	SUB 1701192	-	175,684
UCLA/LOS ANGELES, CA	93.310	0125 GWD486	-	20,865
UNIVERSITY OF CALIFORNIA	93.310	118211663	-	14,502
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO/SAN FRANCISCO, CA	93.310	12869SC	-	57,546
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO/SAN FRANCISCO, CA	93.310	13026SC	-	75,920
UNIVERSITY OF GEORGIA/ATHENS, GA	93.310	SUB00001793	-	(21,420)
UNIVERSITY OF GEORGIA/ATHENS, GA	93.310	SUB00001822	-	(2,387)
UNIVERSITY OF GEORGIA/ATHENS, GA	93.310	SUB00002784	-	20,370
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	93.310	106390-18695	-	(1,382)
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	93.310	N008741501	-	78,604
UNIVERSITY OF OREGON/EUGENE, OREGON	93.310	215830A	-	74,383
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	93.310	151551	-	39,421
UNIVERSITY OF WASHINGTON/SEATTLE, WA	93.310	UWSC14052 / 68775	-	16,837
VIRGINIA COMMONWEALTH UNIVERSITY/RICHMOND, VA	93.310	NO. FP00012824_SA001	-	4,883
National Center for Advancing Translational Sciences				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.350	A516200	-	15,311
EMORY UNIVERSITY/ATLANTA, GA	93.350	A737962	-	369,555

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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
Biomedical Advanced Research and Development Authority (BARDA), Biodefense Medical Countermeasure Development				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.360	A710868	-	61,258
LOCKHEED MARTIN CORP	93.360	LM0065920	-	515
Nursing Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.361	A781720	-	23,184
National and State Tobacco Control Program				
Passed through from:				
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	93.387	1R01HL147256-01	-	249,116
Cancer Cause and Prevention Research				
Passed through from:				
DANA-FARBER CANCER INSTITUTE INC./BOSTON, MA	93.393	1289901	-	67,405
Cancer Detection and Diagnosis Research				
Passed through from:				
NEW YORK UNIVERSITY LANGONE MEDICAL CENTER/NEW YORK, NY	93.394	19-A1-00-1002648	-	211,235
NEW YORK UNIVERSITY LANGONE MEDICAL CENTER/NEW YORK, NY	93.394	21-A1-S2-1002648	-	57,464
Cancer Treatment Research				
Passed through from:				
UNIVERSITY OF MICHIGAN/	93.395	SUBK00008227	-	35,462
Cancer Biology Research				
Passed through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	93.396	102664-18602	-	16,605
Cancer Centers Support Grants				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.397	A756053	-	33,830
Strengthening Public Health Systems and Services through National Partnerships to Improve and Protect the Nation's Health				
Passed through from:				
TASK FORCE GLOBAL HEALTH	93.421	5266	-	89,884
ACL Assistive Technology				
Passed through from:				
ASSOCIATION FOR ASSISTIVE TECHNOLOGY ACT PROGRAMS/SPRINGFIELD, IL	93.464	AGMT EXEC 9/30/2021	-	46,019
Medical Assistance Program				
Passed through from:				
GA DEPT OF BEHAVIORAL HLTH AND DEVP DISABILITIES/ATLANTA,GA	93.778	44100-907-CMA00003193	-	11,629
Opioid STR				
Passed through from:				
GA DEPT OF BEHAVIORAL HLTH AND DEVP DISABILITIES/ATLANTA,GA	93.788	44100-906-0000171332	-	73,985
Cardiovascular Diseases Research				
Passed through from:				
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.837	GENFD0001955860	-	19,837
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.837	GENFD0002225634	-	50,365
BRIGHAM AND WOMEN'S HOSPITAL/BOSTON, MA	93.837	126090	-	58,165
BRIGHAM AND WOMEN'S HOSPITAL/BOSTON, MA	93.837	127674	-	144,709
EMORY UNIVERSITY/ATLANTA, GA	93.837	A022924	-	(1)
EMORY UNIVERSITY/ATLANTA, GA	93.837	A092263	-	24,854
EMORY UNIVERSITY/ATLANTA, GA	93.837	A179709	-	(3,284)
EMORY UNIVERSITY/ATLANTA, GA	93.837	A575713	-	338,318
EMORY UNIVERSITY/ATLANTA, GA	93.837	A596057	-	37,576
EMORY UNIVERSITY/ATLANTA, GA	93.837	A622631	-	67,111
ROCHESTER INSTITUTE OF TECHNOLOGY/ROCHESTER, NY	93.837	32433-01	-	66,904
UNIVERSITY OF MARYLAND - BALTIMORE/BALTIMORE, MD	93.837	1701192 REQUEST 4732	-	141,302
Lung Diseases Research				
Passed through from:				
PALO ALTO VETERANS INSTITUTE FOR RESEARCH/PALO ALTO, CA	93.838	NIM0003-03	-	20,115
PALO ALTO VETERANS INSTITUTE FOR RESEARCH/PALO ALTO, CA	93.838	NIM0013-03	-	10,964
Blood Diseases and Resources Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.839	A035610	-	137,209
EMORY UNIVERSITY/ATLANTA, GA	93.839	A690131	-	94,028
OREGON HEALTH & SCIENCE UNIVERSITY/PORTLAND, OR	93.839	1021685_GT	-	123,066

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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
Arthritis, Musculoskeletal and Skin Diseases Research				
Passed through from:				
COLUMBIA UNIVERSITY/NEW YORK, NY	93.846	1(GG019022-01)	-	23,247
COLUMBIA UNIVERSITY/NEW YORK, NY	93.846	2(GG014632-01)	-	87,067
EMORY UNIVERSITY/ATLANTA, GA	93.846	A505574	-	44,582
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.846	SP00015392-02	-	57,673
UNIVERSITY OF OREGON/EUGENE, OREGON	93.846	#217420A	-	137,218
UNIVERSITY OF OREGON/EUGENE, OREGON	93.846	217710A	-	229,467
Diabetes, Digestive, and Kidney Diseases Extramural Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.847	A375305	-	123,814
EMORY UNIVERSITY/ATLANTA, GA	93.847	A379039	-	(24,974)
EMORY UNIVERSITY/ATLANTA, GA	93.847	A380085	-	6,628
EMORY UNIVERSITY/ATLANTA, GA	93.847	A380097	-	41,409
EMORY UNIVERSITY/ATLANTA, GA	93.847	A413173	-	(7,646)
EMORY UNIVERSITY/ATLANTA, GA	93.847	A551612	-	29,505
EMORY UNIVERSITY/ATLANTA, GA	93.847	A551759	-	3,800
EMORY UNIVERSITY/ATLANTA, GA	93.847	A552124	-	58,197
EMORY UNIVERSITY/ATLANTA, GA	93.847	A558251	-	7,646
EMORY UNIVERSITY/ATLANTA, GA	93.847	A576210	-	308,506
EMORY UNIVERSITY/ATLANTA, GA	93.847	A732508	-	16,642
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.847	SP00013928-02	-	2,932
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.847	SP00015474-02	-	25,470
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.847	AWD-004183.GR100686	-	59,366
Extramural Research Programs in the Neurosciences and Neurological Disorders				
Passed through from:				
BMSEED/PHOENIX, AZ	93.853	1R43NS124469-01	-	22,568
DREXEL UNIVERSITY/PHILADELPHIA, PA	93.853	900052	-	303,835
EMORY UNIVERSITY/ATLANTA, GA	93.853	A567140	-	189,124
EMORY UNIVERSITY/ATLANTA, GA	93.853	A580374	-	134,339
EMORY UNIVERSITY/ATLANTA, GA	93.853	A657132	-	38,902
ICAHN SCHOOL OF MEDICINE AT MOUNT SINAI	93.853	0255-2446-4609	-	260,061
MOREHOUSE SCHOOL OF MEDICINE/ATLANTA, GA	93.853	MELLER-370078 R01 GT	-	54,760
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	93.853	585719	-	31,355
Allergy and Infectious Diseases Research				
Passed through from:				
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.855	GENFD0002200311	-	21,847
BRIGHAM AND WOMEN'S HOSPITAL/BOSTON, MA	93.855	123439	-	61,518
EMORY UNIVERSITY/ATLANTA, GA	93.855	A085091	-	19,909
EMORY UNIVERSITY/ATLANTA, GA	93.855	A237526	-	139,300
EMORY UNIVERSITY/ATLANTA, GA	93.855	A489074	-	68,557
EMORY UNIVERSITY/ATLANTA, GA	93.855	A540760	-	2,120
EMORY UNIVERSITY/ATLANTA, GA	93.855	A619462	-	53,599
EMORY UNIVERSITY/ATLANTA, GA	93.855	AGREEMENT DTD 8/30/19	-	4,410
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.855	SP00013700-01B	-	238,818
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.855	SP00013890-01	-	19,680
MAYO CLINIC/ROCHESTER, MN	93.855	GTR-233617	4,322	36,059
NORTHWESTERN UNIVERSITY/EVANSTON, IL	93.855	60061554 GIT	-	175,913
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	93.855	5-53830	-	1,718
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	93.855	5-54752	-	236,950
STANFORD UNIVERSITY/STANFORD, CA	93.855	61989439-131451	-	203,490
UNIVERSITY OF MISSOURI/COLUMBIA, MO	93.855	00071127-1	-	(47,378)
UNIVERSITY OF OKLAHOMA/NORMAN, OK	93.855	2020-77	-	44,410
UNIVERSITY OF WASHINGTON/SEATTLE, WA	93.855	UWSC12199	-	132,733
UNIVERSITY OF WISCONSIN - MADISON/MADISON WI	93.855	0000001696	-	472,297
Biomedical Research and Research Training				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.859	A579704	-	59,973
HARVARD UNIVERSITY/BOSTON, MA	93.859	133286-5112927	-	206,135
NEW YORK UNIVERSITY LANGONE MEDICAL CENTER/NEW YORK, NY	93.859	17-A1-00-007405-01; Project # 109740	-	(6,016)
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.859	GB10924.PO#2328965	-	26,698

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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
Child Health and Human Development Extramural Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.865	A512754	-	370,155
EMORY UNIVERSITY/ATLANTA, GA	93.865	P16527	-	43,470
INDIANA UNIVERSITY/BLOOMINGTON, IN	93.865	9235_GT	-	15,335
JOHNS HOPKINS UNIV/BALTIMORE, MD	93.865	2005711653	-	668
UNIVERSITY OF ILLINOIS/CHICAGO,IL	93.865	18095	-	(1)
Aging Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.866	A540603	-	71,296
EMORY UNIVERSITY/ATLANTA, GA	93.866	A558275	-	149,651
EMORY UNIVERSITY/ATLANTA, GA	93.866	A634972	-	8,371
EMORY UNIVERSITY/ATLANTA, GA	93.866	A679525	-	20,478
EMORY UNIVERSITY/ATLANTA, GA	93.866	A729257	-	212,327
EMORY UNIVERSITY/ATLANTA, GA	93.866	A772243	-	158,520
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	93.866	R000002734	-	32,937
MAYO CLINIC/ROCHESTER, MN	93.866	GEO-233617/PO#67304962	3,800	226,933
ONECLICK.CHAT/ARLINGTON,VA	93.866	AGR DTD 5/15/2022	-	70,772
UNIVERSITY OF ARIZONA/TUCSON, AZ	93.866	636490	-	140,975
UNIVERSITY OF MICHIGAN/	93.866	SUBK00008360	-	221,502
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	93.866	#5111414	-	150,213
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	93.866	5118967	-	34,089
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	93.866	UTAUS-SUB00000637	-	36,080
Vision Research				
Passed through from:				
CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER/CINCINNATI, OH	93.867	314961	-	(3,071)
EMORY UNIVERSITY/ATLANTA, GA	93.867	#A043837	-	31,775
EMORY UNIVERSITY/ATLANTA, GA	93.867	A332834	-	703
EMORY UNIVERSITY/ATLANTA, GA	93.867	A621535	-	19,093
EMORY UNIVERSITY/ATLANTA, GA	93.867	A692670	-	158,008
EMORY UNIVERSITY/ATLANTA, GA	93.867	A788881	-	46,790
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	93.867	UTA20-000161	-	127,096
Preventive Health and Health Services Block Grant				
Passed through from:				
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.991	SP00013351-03	-	47,334
UNIVERSITY OF LOUISVILLE/LOUISVILLE, KY	93.991	ULRF 17-0029-01	-	15,246
Total Department of Health and Human Services			8,563,078	67,724,889
Department of Homeland Security				
State and Local Homeland Security National Training Program	97.005		140,873	276,893
Emergency Management Performance Grants	97.042		-	417,255
Emergency Management Performance Grants				
Passed through from:				
AUBURN UNIVERSITY/AUBURN, ALABAMA	97.042	22-CVM-212016-GTRC	-	94,909
AUBURN UNIVERSITY/AUBURN, ALABAMA	97.042	23-CVM-215006-GTRC	-	36,324
RAND CORPORATION/PITTSBURGH,PA	97.042	SCON-00000467	17,800	111,953
SPACE DYNAMICS LAB	97.042	CP0053206	-	16,877
Centers for Homeland Security				
Passed through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	97.061	077083-16371	-	-
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	97.061	077083-17698	-	129,394
Total Department of Homeland Security			158,673	1,083,605
Agency for International Development				
USAID Development Partnerships for University Cooperation and Development				
Passed through from:				
FHI 360/PARTNERS/DURHAM, NC	98.012	P021001722	211,619	853,443
Total Agency for International Development			211,619	853,443
Total Research and Development-Cluster			226,232,788	1,135,406,905

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YEAR ENDED JUNE 30, 2023

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
Student Financial Assistance-Cluster:				
Department of Education				
Federal Supplemental Educational Opportunity Grants	84.007		-	1,043,429
Federal Work-Study Program	84.033		-	233,868
Federal Pell Grant Program	84.063		-	14,319,752
Federal Direct Student Loans	84.268		-	65,106,298
Federal Perkins Loan Program_Federal Capital Contributions	84.038		-	2,645,908
Total Department of Education			-	83,349,255
Total Student Financial Assistance-Cluster:			-	83,349,255
Other Programs:				
Department of Agriculture				
Food Safety Outreach Program	10.328		-	176,544
Agricultural Research Basic and Applied Research Passed through from: DAVID & LUCILE PACKARD FOUNDATION/LOS ALTOS, CA.	10.001	2016-65140	-	131,774
Total Department of Agriculture			-	308,318
Department of Commerce				
Economic Development_Technical Assistance	11.303		-	114,038
BUILD TO SCALE	11.024		35,639	352,075
Economic Adjustment Assistance	11.307		-	567,522
Climate and Atmospheric Research	11.431		-	38,201
Manufacturing Extension Partnership	11.611		-	3,807,780
Minority Business Resource Development	11.802		63,125	219,613
MBDA Business Center	11.805		173,385	704,038
Total Department of Commerce			272,149	5,803,267
Department of the Army				
Procurement Technical Assistance For Business Firms	12.002		-	316,669
Basic, Applied, and Advanced Research in Science and Engineering	12.630		-	1,288
Total Department of Army			-	317,957
Department of the Navy				
Basic and Applied Scientific Research	12.300		-	1,630
Total Department of Navy			-	1,630
Department of the Air Force				
Air Force Defense Research Sciences Program	12.800		-	31,260
Total Department of Air Force			-	31,260
Department of Defense				
Basic, Applied, and Advanced Research in Science and Engineering	12.630		-	(1,586)
Procurement Technical Assistance For Business Firms	12.002		-	400,010
ROTC Language and Culture Training Grants Passed through from: INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.357	PGO1801-GT-03-PGO-051-PO5	-	462,802
Total Department of Defense			-	861,226
Department of Labor				
Consultation Agreements	17.504		-	1,869,201
WIOA Dislocated Worker Formula Grants Passed through from: NORTHWEST GEORGIA REGIONAL COMMISSION/ROME, GA	17.278	CONTRACT DATED 1 SEPT 2017	-	86,638
Total Department of Labor			-	1,955,839

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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
Department of Transportation				
Highway Training and Education	20.215		-	34,070
20				
Passed through from:				
GEORGIA DEPT OF TRANSPORTATION	20.205	AGR DTD 10/05/2017 - T8499	-	(806)
GEORGIA DEPT OF TRANSPORTATION	20.205	TO 2014-103 RP 20-13	-	102,366
Total Department of Transportation			-	135,630
National Aeronautics and Space Administration				
Science	43.001		-	844
Aeronautics	43.002		-	44,896
Education	43.008		-	30,026
Space Technology	43.012		-	213,369
Total National Aeronautics and Space Administration			-	289,135
VETERANS ADMINISTRATION				
Research and Development	64.054		-	72,313
Total VETERANS ADMINISTRATION			-	72,313
Environment Protection Agency				
Pollution Prevention Grants Program	66.708		-	73,241
Total Environment Protection Agency			-	73,241
Nuclear Regulatory Commission				
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008		-	22,115
Total Nuclear Regulatory Commission			-	22,115
Department of Energy				
Defense Nuclear Nonproliferation Research	81.113		-	24,082
Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	81.117		-	82,506
Nuclear Energy Research, Development and Demonstration	81.121		-	178,427
Total Department of Energy			-	285,015
Department of Education				
National Resource Centers Program for Foreign Language and Area Studies or Foreign Language and International Studies Program and Foreign Language and Area Studies Fellowship Program	84.015		-	40,874
Graduate Assistance in Areas of National Need	84.200		-	708,276
Higher Education Emergency Relief Funding - Institutional Portion	84.425F		-	118,596
Fund for the Improvement of Postsecondary Education				
Passed through from:				
BOARD OF REGENTS OF THE UNIVERSITY SYSTEM OF GA – WEB SERVICES/ATLANTA, GA	84.116	AWD-002607	-	31,801
Passed through from:				
US DEPT OF EDUCATION/GENERAL	84.334	P334S160030	822,494	2,734,668
Total Department of Education			822,494	3,634,215
Department of Homeland Security				
State and Local Homeland Security National Training Program	97.005		87,209	178,066
Homeland Security Grant Program				
GEORGIA EMERGENCY MGMT & HOMELAND SECURITY AGCY/ATLANTA, GA	97.067	GRANT #20	-	(1,206)
GEORGIA EMERGENCY MGMT & HOMELAND SECURITY AGCY/ATLANTA, GA	97.067	GRANT #67	-	4,755
			87,209	181,615
Agency for International Development				
USAID Development Partnerships for University Cooperation and Development				
Passed through from:				
FHI 360/PARTNERS/DURHAM, NC	98.012	P021001722	-	7,931
Total Agency for International Development			-	7,931
Total Other Programs			1,181,852	13,980,707
Total Expenditures of Federal Awards			\$ 227,414,640	\$1,232,736,867

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NOTES TO SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2023

Note 1—Basis of presentation

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

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

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

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

Note 2—Federal assistance listing numbers

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

Note 3—Student financial aid expenditures

Expenditures for student financial aid programs include the Federal Pell grants to students, the federal share of students’ Federal Supplemental Educational Opportunity Grant (FSEOG) program grants, the Federal Work Study (FWS) program earnings, certain other federal financial aid for students, and administrative cost allowances, where applicable. During the fiscal year ended June 30, 2023, GIT disbursed \$65,106,298 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, 2023, 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 \$2,645,908 as of June 30, 2023.

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.

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YEAR ENDED JUNE 30, 2023

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, 2023:

	<u>Student Portion</u>	<u>Institutional Portion</u>	<u>Total</u>
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, 2023:

	<u>Student Portion</u>	<u>Institutional Portion</u>	<u>Total</u>
HEERF I	\$ -	\$ -	\$ -
HEERF II	-	-	-
HEERF III	-	118,596	118,596
	<u>\$ -</u>	<u>\$ 118,596</u>	<u>\$ 118,596</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, 2023

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 15, 2023, express unmodified opinions on whether the financial statements of Georgia Tech Research Corporation and Georgia Tech Applied Research Corporation were prepared in accordance with generally accepted accounting principles ("U.S. GAAP").

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

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

Financial Statements – Georgia Institute of Technology

The State of Georgia Department of Audits and Accounts' audit report, dated December 14, 2023, 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 14, 2023.

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, 2023.

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.

A finding identified in a Georgia Institute of Technology's Department of Internal Audit fiscal year 2022 audit report is reported as a significant deficiency in internal control over major federal award programs in the Report of Independent Auditor on Compliance for Each Major Program and on Internal Control over Compliance Required by the Uniform Guidance. No material weaknesses were reported.

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

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

YEAR ENDED JUNE 30, 2023

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

The dollar threshold for Type A programs was \$3,698,210.

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, 2023

III. Federal Award Findings and Questioned Costs

Georgia Institute of Technology's ("GIT" or the "Institute") Department of Internal Audit performed an audit on the subcontract, subaward, and subrecipient monitoring process for active subawards related to the fiscal year ended June 30, 2022.

The following finding and related recommendations resulted from their procedures.

Finding #: 2023-001 Subrecipient monitoring
Federal Agencies: Various
Federal Program: Research and Development Cluster
Federal Assistance Listing Number: Various

Compliance Requirement: Subrecipient Monitoring

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

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

Criteria:

- Uniform Guidance 2 CFR § 200.302 – Financial Management
- Uniform Guidance 2 CFR § 200.303 – Internal Controls
- Uniform Guidance 2 CFR § 200.332 - Requirements for pass-through entities
- Uniform Guidance 2 CFR § 200.403 – Factors affecting allowability of costs
- Uniform Guidance 2 CFR § 200.405 Allocable costs
- Uniform Guidance 2 CFR § 200.415 - Required certifications
- Uniform Guidance 2 CFR § 200.501 – Audit Requirements
- Institute's Research 5.3 Subrecipient Monitoring Policy
- Institute's Administrative Business and Finance Grants and Contracts Accounting Policy 3.4 Allowable Expenses

Cause:

- Lack of effective written procedures and controls, as required by 2 CFR § 200.302 and § 200.303, to ensure management of the individual responsibilities and functions of the subrecipient monitoring process and overall program compliance.
- Lack of compliance with Institute policy regarding oversight by the Office of Sponsored Programs ("OSP") to ensure compliance for all established federal rules and regulations per 2 CFR § 200.332 as part of the subrecipient monitoring process which is the responsibility of OSP.
- Lack of effective policies, procedures, and internal control measures to ensure invoices are reviewed and all required supporting documentation is both received and meets the established standards to support payments.
- Lack of effective policies, procedures, and control measures to ensure that Uniform Guidance audit reports were adequately reviewed and documented.

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

YEAR ENDED JUNE 30, 2023

III. Federal Award Findings and Questioned Costs (continued)

- Lack of sufficient training of staff to ensure thorough knowledge of all laws, rules, and regulations governing the processing of invoices associated with the expenditure of federal funds and Single Audit requirements and its impact on award monitoring procedures and risk assessment impacts.
- Lack of a documented procedures and oversight to follow up on audit reports and findings.

Effect: Subrecipients expenditures may not be in compliance with federal or grant award provisions.

Recommendation:

- Document written procedures, with clearly defined roles and responsibilities, for all programs and functions covered by the subrecipient monitoring process and perform annual reviews to ensure established procedures are adequate to address identified risks and meet all standards necessary to ensure compliance with all applicable federal, state, and Institute rules, regulations, and requirements.
- Ensure all employees engaged in the subrecipient monitoring process are aware of established policies and procedures (as well as any revisions made) and are trained on how to properly meet and apply the standards established through clearly defined standard operating procedures ("SOP").
- Improve communication and collaboration among Grants and Contracting, Unit Finance Officers, Principal Investigators ("PI"), and OSP, to establish comprehensive policies and procedures that clearly define the individuals' roles and responsibilities for each section and to include quarterly meetings for key personnel responsible for the subrecipient monitoring as identified in the applicable Institute policies. Further, incorporate and enforce the Institute's Research 5.3 Subrecipient Monitoring policy to establish required reviews with reporting requirements to OSP and the individual PIs.
- Establishment of individual section SOPs to clearly define the individual responsibilities to achieve those roles identified in established procedures to ensure compliance with Institute policies. Additional training to be completed at least annually to cover regulatory requirements and certification for individuals responsible for the verification and approval of allowable costs.
- Develop, implement, and document procedures for an initial and annual review of all applicable audit reports going forward as part of ongoing subrecipient monitoring. Ensure all documentation requirements and evidence of review of audit reports for subrecipients meet all regulatory requirements.
- Ensure the "Subrecipient A-133 Audit Certification Form" is only used as a tool to verify the potential for a Single Audit requirement and for those who do not require a Uniform Guidance audit, request alternative audit reports (i.e., DCAA/DCMA audit, third party financial audit, etc.) or consider reviewing financial statements or administering audit questionnaires.
- Effective annual training requirements and certifications for individuals responsible for the verification of single audits to include how to accurately review financial statements and incorporate into a risk assessment.

Management's Response:

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

Corrective Action Plan

See attached management's corrective action plan.

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

YEAR ENDED JUNE 30, 2023

IV. Prior Year Findings

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

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 the entity was not suspended or debarred.

Current Status: Finding was resolved.



January 24, 2024

SINGLE AUDIT TASK LIST

MANAGEMENT’S CORRECTIVE ACTION PLAN

Finding 2023-001 – Subrecipient Monitoring

Management agrees that during the period under review, July 1, 2021, to June 30, 2022, written procedures were not sufficiently well defined, as they did not address the specific steps necessary for carrying out federal requirements for subrecipient monitoring and processes for annual evaluation of subrecipients. During the period under review, the Office of Sponsored Programs (OSP) Subrecipient team was growing and working to address backlogs and gaps in internal controls. Subsequently, more detailed written procedures were put in place and Management reviewed policies and procedures to ensure appropriate assignment of duties and communication of those duties, including the specific steps required. Management is also addressing a lack of clarity related to OSP’s oversight role in the subrecipient monitoring process. OSP is responsible for ensuring the Institute’s Subrecipient Monitoring and Management policies are sufficient for the Institute to fulfill its responsibilities for compliance with sponsor requirements, but other offices and individuals have responsibility for other components of ensuring compliance with federal rules and regulations applicable to the subrecipient monitoring process.

Management further agrees that during the period under review, July 1, 2021, to June 30, 2022, OSP did not ensure compliance with the Institute’s policies Research 5.3 Subrecipient Monitoring and Administrative Business and Finance Grants and Contracts Accounting (G&CA) 3.4 Allowable Expenses. Policy 5.3 Subrecipient Monitoring required review of each subawardee’s expenditures and G&CA Policy 3.4 Allowable Expenses required quarterly allowable cost compliance reviews, which Internal Audit also interpreted as a requirement for review of each subawardee’s expenditures. Federal requirements for subrecipient monitoring recognize, however, that it is impractical and unproductive for research organizations that are subject to the same federal requirements, including for internal controls and audits, to monitor and review each other’s expenditures in detail. Instead, pass-through entities are required to evaluate the risk of subrecipient non-compliance to determine appropriate subrecipient monitoring and may “Consider imposing specific subaward conditions upon a subrecipient if



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appropriate as described in § 200.208.” (2 CFR 200.332 (c)). 2 CFR 200.208(b) allows the pass-through entity to impose additional subaward conditions “as needed...based on an analysis”, including “Requiring additional, more detailed financial reports” (2 CFR 200.208(c)(3)). There is no federal requirement for a pass-through entity to require and review “detailed financial reports”, absent an analysis determining that additional conditions should be imposed.

Further, OSP did not obtain sufficient evidence of every subawardee’s risk of non-compliance, throughout each period of performance, to rely on the subawardee’s internal controls and audits. OSP has worked with stakeholders to review and revise the Institute’s Subrecipient Monitoring policy to ensure appropriate stewardship of funds. This includes clarifying roles and responsibilities and modifying requirements that duplicate other internal controls and/or are not federal, state, USG, or sponsor requirements. In compliance with federal requirements, the policy will require OSP to analyze each subrecipient’s risk of non-compliance and monitor that risk throughout the life of the project so that the internal controls of low risk subrecipients can be relied on to ensure only charges that are allowable, allocable, reasonable and consistently treated are included in their invoices. The Georgia Tech Research Institute (GTRI) has specific procedures to address the cost principles it follows and the requirements common to its sponsors, which it clearly communicates to responsible personnel. OSP and G&CA will develop and communicate standard instructions for PI and unit review of subrecipient invoices for units other than GTRI. These instructions will be enhanced, as needed, to include a detailed review of expenditures when the subrecipient is other than low risk and OSP has documented as part of its risk analysis that this review is the most appropriate means of mitigating risk. OSP will also consider alternate or additional subaward conditions appropriate for the assessed risk-level of the subawardee as described in 2 CFR 200 section 332(e) and 208(c). Instructions will include communication of subawardee requirements that OSP has included in the subaward due to the risk assessment or conditions of the prime award and for which the PI and/or unit has some responsibility. OSP will continue to monitor subawardee invoices to ensure charges were within the period of performance or, if relevant, preaward spending was authorized. G&CA will work with stakeholders to review and revise the Institute’s Administrative Business and Finance G&CA Policy 3.4 Allowable Expenses and related procedures to ensure they enable appropriate stewardship of funds without dictating more subrecipient expenditure review than is either



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required by our sponsors or determined to be appropriate by the Institute’s risk assessment process.

GTRI provides appropriate training to its personnel responsible for requirements of Subrecipient Monitoring. OSP and G&CA will provide continuous training to other personnel responsible for requirements of Subrecipient Monitoring.

Target Date for Implementing Corrective Action:
By March 31, 2024

Name and Title of Employee(s) Responsible for Implementing Corrective Action:
Cynthia Hope, Associate Vice President – Research Administration
Josh Rosenberg, Executive Director – Grants and Contracts

DocuSigned by:
Cynthia Hope
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Cynthia Hope,
Associate Vice President
Research Administration

DocuSigned by:
Joshua Rosenberg
BA564220C324479...

Josh Rosenberg,
Executive Director
Grants and Contracts



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