

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

COMPLIANCE REPORTS

For the Year Ended June 30, 2017

And Independent Auditor Reports

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

The Board of Trustees of
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, 2017, and the related notes to the financial statements which collectively comprise GTRC's basic financial statements, and have issued our report thereon dated September 12, 2017.

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") to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements but not for the purpose of expressing an opinion on the effectiveness of 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 may exist that have not been identified.

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 determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

Cheryl Bekart LLP

Atlanta, Georgia
September 12, 2017

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

The Board of Trustees of
Georgia Tech Research Corporation
Georgia Tech Applied Research Corporation
Georgia Institute of Technology
Atlanta, Georgia

Report on Compliance for 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 hereinafter referred to as 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, 2017. As part of the coordinated audit, we did not audit compliance requirements as described in OMB Compliance Supplement related to equipment and real property management and procurement and suspension and debarment for the Research and Development Cluster major federal program. Those compliance requirements were audited by State of Georgia Department of Audits and Accounts whose report thereon has been furnished to us, and our opinion, insofar as it relates to those requirements, is based solely on the reports of the State of Georgia Department of Audits and Accounts dated December 19, 2017, which reports no findings in relation to internal control over compliance in accordance with the *OMB Compliance Supplement*. 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.

Management’s Responsibility

Management is responsible for compliance with the requirements of laws, regulations, contracts, and grants applicable to its federal programs.

Auditor’s Responsibility

Our responsibility is to express an opinion on the Organization’s compliance for each of the Organization’s major federal programs based on our audit of the types of compliance requirements referred to above and the report of other auditors. 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 Title 2 U.S. *Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* (“Uniform Guidance”). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the Organization’s compliance with those requirements and performing such other procedures as we considered necessary in the circumstances.

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

Opinion on Each Major Federal Program

In our opinion, the Organization complied, in all material respects, with the 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, 2017.

Report on Internal Control over Compliance

Management of the Organization is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the Organization's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the Organization's internal control over compliance.

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

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

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

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 June 30, 2017, and the related notes to the financial statements, which collectively comprise GTRC's basic financial statements. We issued our report thereon dated September 12, 2017, which contained an unmodified opinion on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise GTRC's basic financial statements. The accompanying schedule of expenditures of federal awards for Georgia Tech Research Corporation, Georgia Tech Applied Research Corporation, and Georgia Institute of Technology is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements.

The State of Georgia Department of Audits and Accounts has audited the basic financial statements of the Georgia Institute of Technology as of and for the year ended June 30, 2017 and has issued its report thereon based on the audit of the basic financial statements performed in accordance with auditing standards generally accepted in the United States of America dated December 19, 2017. We did not audit the financial statements of Georgia Institute of Technology which represent approximately 35% of the expenditures in the accompanying schedule of expenditures of federal awards. Such information related to GTRC has been subjected to the auditing procedures applied in our audit of GTRC's basic financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion the schedule of expenditures of federal awards, in relation to GTRC, is fairly stated in all material respects in relation to the basic financial statements of GTRC taken as a whole.

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of the Uniform Guidance. Accordingly, this report is not suitable for any other purpose.

Cherry Bekart LLP

Atlanta, Georgia

January 26, 2018 except for the Schedule of Expenditures of Federal Awards,
as to which the date is September 12, 2017.

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

FOR THE YEAR ENDED JUNE 30, 2017

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Research and Development-Cluster:				
Department of Agriculture				
Agricultural Research_Basic and Applied Research	10.001		\$	40,815
Agriculture and Food Research Initiative (AFRI)	10.310		243,955	576,367
Forestry Research	10.652			163,469
Agricultural Research_Basic and Applied Research				
Passed through from:				
GORDON & BETTY MOORE FOUNDATION / SAN FRANCISCO, CA	10.001	#4308.07		27,053
Specialty Crop Block Grant Program - Farm Bill				
Passed through from:				
GEORGIA DEPARTMENT OF AGRICULTURE/ATLANTA, GA	10.170	AGR DTD 10/2/14		5,447
GEORGIA DEPARTMENT OF AGRICULTURE/ATLANTA, GA	10.170	AGR DTD 10/23/13		13,679
Small Business Innovation Research				
Passed through from:				
TECHNICAL DATA ANALYSIS INC/FALL CHURCH, VA	10.212	SBIR DTD 30 OCT 2015		21,147
Agriculture and Food Research Initiative (AFRI)				
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	10.310	A005124701		89,406
Forestry Research				
Passed through from:				
U.S ENDOWMENT FOR FORESTRY AND COMMUNITIES/ GREENVILLE, SC	10.652	P3-2		94,545
Total Department of Agriculture			243,955	1,031,928
Department of Commerce				
Economic Development-Technical Assistance	11.303			128,592
Climate and Atmospheric Research	11.431			181,695
Measurement and Engineering Research and Standards	11.609		6,000	635,391
Manufacturing Extension Partnership	11.611			71,110
Science, Technology, Business and/or Education Outreach	11.620			266,177
Integrated Ocean Observing System (IOOS)				
Passed through from:				
SE COASTAL OCEAN OBSERVING REGIONAL ASSN/ JOHNS ISLAND, SC	11.012	IOOS.16(028)GATECH.FZ.GLD.1		29,661
Coastal Zone Management Administration Awards				
Passed through from:				
GA DEPT NATURAL RESOURCES	11.419	AGR T 8/23/16		1,795
Applied Meteorological Research				
Passed through from:				
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	11.468	R01856		2,593
Total Department of Commerce			6,000	1,317,014
Department of the Army				
Basic and Applied Scientific Research	12.300			393,927
Military Medical Research and Development	12.420		6,942	763,179
Basic Scientific Research	12.431		7,249,419	54,792,903
Basic, Applied, and Advanced Research in Science and Engineering	12.630		2,216,495	15,316,946
Science, Technology, Engineering and Mathematics (STEM): Science, Mathematics And Research for Transformation (SMART)	12.631		14,455	808,274
Air Force Defense Research Sciences Program	12.800			1,837,263
Aquatic Plant Control				
Passed through from:				
DHPC TECHNOLOGIES INC./WOODBRIIDGE, NJ	12.100	SD01508		411

See accompanying notes to Schedule of Expenditures of Federal Awards.

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 AND GEORGIA INSTITUTE OF TECHNOLOGY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**

FOR THE YEAR ENDED JUNE 30, 2017

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Basic and Applied Scientific Research				
Passed through from:				
INTUITIVE RESEARCH AND TECHNOLOGY CORP/ GRAND PRAIRIE, TX	12.300	AE-T-GTR-001 TASK ORDER 0003		58,090
Military Medical Research and Development				
Passed through from:				
E'QIR INCORPORATED/SPOTSLYVANIA, VA	12.420	LTR AGMT, DTD 01/08/2015		346,875
WAKE FOREST UNIVERSITY/WINSTON SALEM, NC	12.420	WFUHS 441052 ER-02		95,186
Basic Scientific Research				
Passed through from:				
ALTUS ARCHITECTURE STUDIOS/OMAHA, NE	12.431	AGR DTD 10.1.2015		276,596
ATA ENGINEERING INC / SAN DIEGO, CA	12.431	AGT DTD JUNE 16, 2016		26,018
BAE SYSTEMS/NASHUA, NH	12.431	329420		195,476
BAE SYSTEMS/NASHUA, NH	12.431	899091-4		75,345
BATTELLE/	12.431	US001-0000560752		221,726
BOEING AEROSPACE COMPANY/	12.431	1177404		129,609
CORNELL UNIVERSITY/ITHACA, NY	12.431	76091-10525		246,167
DIGITAL ANALOG INTEGRATION INC/AUBURN,AL	12.431	AGMT DTD 18-NOV-2015		170,536
DYNETICS INCORPORATED//HUNTSVILLE, AL	12.431	SB600004		281,967
DYNETICS INCORPORATED//HUNTSVILLE, AL	12.431	TO 30		141,060
ENVISTACOM LLC/ATLANTA,GA	12.431	AGR DTD 11/07/16		28,471
GENERAL DYNAMICS/	12.431	40239678		47,332
GEORGE MASON UNIVERSITY/FAIRFAX, VA	12.431	E2027851		8,990
GRAF LLC/BLACKSBURG,VA	12.431	AGR DTD 01-05-17		49,900
IAP WORLDWIDE SERVICES/ABERDEEN PROVING GROUND, MD	12.431	JRS-000062		10,281
JACOBS TECHNOLOGY INC/FT. WALTON BEACH, FL	12.431	1153-01-00-02		179,405
LEIDOS INC	12.431	4102781916		196,403
MICROWAVE PACKAGING TECHNOLOGIES INC (MPT)/BREA,CA	12.431	W911W-14-C-0014		182,994
NANO TERRA INC/BRIGHTON, MA	12.431	AGR DTD 8/17/2013		23,363
NATIONAL ADVANCED MOBILITY CONSORTIUM/ANN ARBOR, MI	12.431	70-201708 T01		33,986
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	12.431	8502-GTRC		262,119
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	12.431	8504-GTRC		105,746
NORTH CAROLINA A&T STATE UNIV/GREENSBORO, NC	12.431	W900KK-16-R-0013		133,509
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	12.431	5274-GTRC-VLC-5328		22,691
ROLLS-ROYCE/INDIANAPOLIS, IN	12.431	5003246516		188,800
ROLLS-ROYCE/INDIANAPOLIS, IN	12.431	15-05-03; P.O. # 5003424790		8,764
SAIC	12.431	4600005751/3		231,958
SAIC	12.431	4600005751/5		178,032
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR20160260 TO-002		125
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR20160726 TO-003		79,175
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR20160954 TO-004		309,952
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR2017525 (JP02)		42,568
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	W900KK-15-D-0005		47,846
SIGMATECH INC/HUNTSVILLE,AL	12.431	17PO-00014		250,623
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.431	2017-311 PROJECT AGREEMENT 01	155,121	565,119
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.431	2017-311 PROJECT AGREEMENT 02	308,894	753,990
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.431	2017-311 PROJECT AGREEMENT 03		315,382
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.431	2017-311 PROJECT AGREEMENT 04	84,130	383,577
SUBSYSTEM TECHNOLOGIES INC/CRYSTAL CITY, VA	12.431	3474-070		22,152
UCLA/LOS ANGELES, CA	12.431	1000GSA785		39,640
UNIV OF FLORIDA/	12.431	UFDSP00011015		7,500
UNIV OF ILLINOIS/URBANA, ILLINOIS	12.431	2010-04989-04 /051487-12673		11,048
UNIV OF MICHIGAN/	12.431	3002805832		287,468

See accompanying notes to Schedule of Expenditures of Federal Awards.

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

FOR THE YEAR ENDED JUNE 30, 2017

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
UNIV OF WASHINGTON/SEATTLE, WA	12.431	UWSC7915 P.O. # BPO 3109		65,945
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	12.431	46331-Z8425103		28,244
UNIVERSITY OF SOUTHERN CALIFORNIA/LOS ANGELES, CA	12.431	43941439 P.O. #10127130		29,290
UNIVERSITY OF WASHINGTON/SEATTLE, WA	12.431	UWSC9283		1,470
VERTICAL LIFT CONSORTIUM INC (CRI)/GLEN MILL, PA	12.431	NRTC-FY15-W-01		14
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
APPLIED COMMUNICATION SCIENCES	12.630	PO-0005491		40,466
CACI	12.630	P000013085		19,069
CORPORATE FLIGHT MANAGEMENT INC. (CFM)/SMYRNA, TN	12.630	CFMGS-NIE16.2-GTRI.SO.SME		114
DHPC TECHNOLOGIES INC./WOODBIDGE, NJ	12.630	SD01641-01		251,249
DUKE UNIVERSITY/DURHAM, NC	12.630	313-0639		673,448
ERC INC	12.630	PS160005		60,216
METOVA FEDERAL LLC./CABOT, AR	12.630	PO CBL-048		29,213
PAR TECHNOLOGY CORP/	12.630	SC-111751-001		353,163
RADIANCE TECHNOLOGIES/HUNTSVILLE, AL	12.630	16S-3074		172,877
SAIC	12.630	4600005751/4		87,554
TORCH TECHNOLOGIES INC/HUNTSVILLE, AL	12.630	BA9811646		49,646
Air Force Defense Research Sciences Program				
Passed through from:				
ADVANCED ROTORCRAFT TECHNOLOGY INC./ MOUNTAINVIEW, CA	12.800	AGT DTD FEB 29, 2012		734
Research and Technology Development				
Passed through from:				
SRI INTERNATIONAL	12.910	206-000114		100,453
Total Department of the Army			<u>10,035,456</u>	<u>83,149,628</u>
Department of the Navy				
Basic and Applied Scientific Research	12.300		6,188,812	28,200,057
Basic, Applied, and Advanced Research in Science and Engineering	12.630		764,065	306,942
Research and Technology Development	12.910			120,488
Basic and Applied Scientific Research				
Passed through from:				
AMEWAS/LEXINGTON PARK, MD	12.300	PO16-00314		23
AMEWAS INC/LEXINGTON PARK, MD	12.300	PO17-00842		13,756
CONTINUUM DYNAMICS INC/EWING, NJ	12.300	AGMT DTD 31-JULY-2015		10,000
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	12.300	R01804		23,727
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	12.300	BPS/STP-14-170		13,442
LEIDOS INC	12.300	P01067131		49,247
LUNA INNOVATIONS/BLACKBURG, VA	12.300	AGR DTD 12/19/16		63,551
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	12.300	2010-1710-01		87,969
NORTHROP GRUMMAN/BALTIMORE, MD	12.300	8140000889		10,201
NORTHROP GRUMMAN/BALTIMORE, MD	12.300	8140000893		231,273
NORTHWESTERN UNIVERSITY/EVANSTON, IL	12.300	SP0036191-PROJ0009974		130,109
PAE APPLIED TECHNOLOGIES LLC./PARK, MD	12.300	M600005982		408
PRINCETON UNIVERSITY/PLAINSBORO, NJ	12.300	SUB00000041		255,092
SOAR TECHNOLOGY INC/ANN ARBOR, MI	12.300	AGR DTD 05/26/17		3,105
STTR:ADVANCED ROTORCRAFT TECHNOLOGY INC	12.300	AGT DTD AUG 17, 2015		1,784
SYSTEMS TECHNOLOGY INC/HAWTHORNE, CA	12.300	AGT DTD 03/31/2017		19,000
TUFTS UNIVERSITY/MEDFORD, MA	12.300	ONR029		2,569
TYBRIN CORPORATION/FT. WALTON BEACH, FL	12.300	CES-III-13-043	265,336	6,366,550
UNIV OF CALIFORNIA/SAN DIEGO/LAJOLLA, CA	12.300	43019109		162,157
UNIV OF WASHINGTON/SEATTLE, WA	12.300	#UWSC9065		6,310

See accompanying notes to Schedule of Expenditures of Federal Awards.

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

FOR THE YEAR ENDED JUNE 30, 2017

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
University of California	12.300	8975		(2,434)
UNIVERSITY OF SOUTHERN CALIFORNIA/LOS ANGELES, CA	12.300	51110592		82,618
Basic Scientific Research				
Passed through from:				
LOCKHEED MARTIN/FORTWORTH, TEXAS	12.431	7226687		22,846
Research and Technology Development				
Passed through from:				
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.910	4104-70902		8,058
Total Department of the Navy			7,218,213	36,188,848
Department of the Air Force				
Basic and Applied Scientific Research	12.300			542,534
Basic Scientific Research	12.431		243,441	245,441
Basic, Applied, and Advanced Research in Science and Engineering	12.630		450,763	11,321,269
Air Force Defense Research Sciences Program	12.800		24,834,625	137,598,946
Research and Technology Development	12.910			272,517
Basic and Applied Scientific Research				
Passed through from:				
GUERCI CONSULTING LLC/ARLINGTON, VA	12.300	AGR DTD 8/28/15		408
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
GE GLOBAL RESEARCH/NISKAYUNA, NY	12.630	401048011		74,116
LEIDOS INC	12.630	10170252-1		97,641
LEIDOS INC	12.630	P010179649		132,853
Air Force Defense Research Sciences Program				
Passed through from:				
AECOM CONSULT INC	12.800	LV0003177		98,060
AGING AIRCRAFT CONSULTING LLC/WARNER ROBINS, GA	12.800	AGMT DTD 3/31/17		18,072
ALION SCIENCE AND TECHNOLOGY CORP/MCLEAN, VA	12.800	STM1139913		118,443
AMERICAS MAKES	12.800	#129247	512,442	646,013
ATK ALLIANT TECHSYSTEMS INC/PLYMOUTH, MN	12.800	MP00139150		11,633
ATK ALLIANT TECHSYSTEMS INC/PLYMOUTH, MN	12.800	PO MP00105823		(3)
AVARINT/BUFFALO, NY	12.800	SUBCONTRACT NO. A0050.04S1		109,093
AZIMUTH CORPORATION/BEAVERCREEK, OH	12.800	238-5404-GIT		297,518
AZIMUTH CORPORATION/BEAVERCREEK, OH	12.800	238-5404-GIT2		31,624
BAE SYSTEMS/NASHUA, NH	12.800	944838		192,155
BERRIEHILL RESEARCH CORP/DAYTON, OH	12.800	2204		82,137
BINGHAMTON UNIVERSITY/BINGHAMTON, NY	12.800	77723/1138629		37,526
BOEING/PHANTOM WORKS BERKELEY, MO	12.800	1404360		7,718
BOOZ, ALLEN AND HAMILTON INC	12.800	106445SB18		1,226,850
BOOZ, ALLEN AND HAMILTON INC	12.800	106445SB18/TASK ORDER 2		137,255
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	12.800	1150119-299956		327,172
CASE WESTERN RESERVE UNIVERSITY/CLEVELAND, OH	12.800	RES506638		104,979
CLARKSON AEROSPACE/HOUSTON, TX	12.800	13-S7700-02-C2		94,814
CLARKSON AEROSPACE/HOUSTON, TX	12.800	GTRI CS 15-S-0234		384,731
CLEAR CREEK APPLIED TECHNOLOGIES/FAIRBORN, OH	12.800	4050-015-01-015		62,178
COMBUSTION SCIENCE AND ENGINEERING LTD	12.800	AGT DTD 12/28/2015		175,712
ENERGY RESEARCH CONSULTANTS/LAGUNA HILLS, CA	12.800	AGMT DTD 2-DEC-2015		4,565
ERC INC	12.800	PS160094		20,815
GRAF LLC/BLACKSBURG, VA	12.800	GTRI-GRAF 133750		2,717
HARPER LABS/HUNTSVILLE, AL	12.800	AGT DTD 04/15/2016		93,745
INNOVATIVE ADVANCED MATERIALS INC/HAMPTON, GA	12.800	AGT DTD JULY 6, 2016		54,993
IOWA STATE UNIVERSITY/AMES, IA	12.800	130186		129,576

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JT3 LLC	12.800	4W16000006		67,904
KARAGOZIAN AND CASE STRUCTURAL ENGINEERS/ GLENDALE, CA	12.800	AGT DTD DECEMBER 23, 2016		51,129
KITWARE INC/CLIFTON PARK, NY	12.800	K000886-00-S01		117,221
L3 COMMUNICATIONS/ROCKWALL, TEXAS	12.800	4501494922		104,729
L3 DISPLAY SYSTEMS/ALPHARETTA,GA	12.800	A119893		476,868
MASSTECH INC	12.800	FA8650-17-C-9104-GT		71,562
MATRIX RESEARCH AND ENGINEERING / DAYTON, OH	12.800	SCRTS-005		85
MATRIX RESEARCH AND ENGINEERING / DAYTON, OH	12.800	TASK ORDER 01		127,327
MATRIX RESEARCH AND ENGINEERING / DAYTON, OH	12.800	TASK ORDER 02		100,808
MITRE CORPORATION/BEDFORD,MA	12.800	114372		49,362
NEXTFLEX/SAN JOSE, CA	12.800	AGREEMENT DATED 21-FEB-2017		23,166
NORTHROP CORPORATION/	12.800	7500119051		969,661
NORTHROP GRUMMAN/HUNTSVILLE, AL	12.800	7500136376		453,165
NORTHWESTERN UNIVERSITY/EVANSTON, IL	12.800	SP0024930-PROJ0006374		160,230
OBJECT VIDEO/RESTON,VA	12.800	AGR DTD 5/7/16		36,623
OHIO AEROSPACE INSTITUTE/CLEVELAND, OH	12.800	OAI-VATO2-17005		22,760
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	12.800	4791-GIT-AFOSR-0004		109,494
PRATT & WHITNEY AIRCRAFT/	12.800	24102 TASK 24		26,868
RADIANCE TECHNOLOGIES/HUNTSVILLE, AL	12.800	15S-0094		3,787
RELIANCE TEST AND TECHNOLOGY/HOLLOMAN, AFB, NM	12.800	R17N0095		32,952
RIVERSIDE RESEARCH INST/	12.800	AGMT DTD 5/4/15		(1,845)
ROLLS-ROYCE	12.800	5100002774		283,740
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.800	TO-004		250,099
SENTAR INC./HUNTSVILLE, AL	12.800	AGR DTD 04/12/17		62,770
SINOORA INC/SUWANEE,GA	12.800	AGR DTD 10/04/2013		(21,248)
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.800	2016-404	54,366	113,578
SOUTHWEST RESEARCH INSTITUTE/	12.800	J99080CT		26,233
SPACE DYNAMICS LAB/LOGAN, UTAH	12.800	CP003XXXX		(7,878)
SPECTRAL ENERGIES LLC / DAYTON, OH	12.800	AGT DTD 08/30/16		95,185
SSAI/MELBOURNE, FL	12.800	DESP-093-RJ02-01		69,020
STATE UNIV OF NEW YORK/ALBANY, NY	12.800	AGR DTD 3/16/2017		42,031
SURVIVE ENGINEERING CO/BELCAMP, MD	12.800	LTR SUBCONTRACT DTD 6/25/14		143,196
TEXAS ENGINEERING STATION-TAMU/COLLEGE STATION, TX	12.800	C2611		50,975
UES INC/DAYTON, OH	12.800	S-124-001-004		3,941
UES INC/DAYTON, OH	12.800	S-953-21-MR015		68,682
UES INC/DAYTON, OH	12.800	S-953-21-MR016		120,665
UES INC/DAYTON, OH	12.800	S-977-022-001		22,198
UNIV OF CENTRAL FL/	12.800	287381		304,438
UNIV OF MICHIGAN/	12.800	3002629732		73,770
UNIVERSAL TECHNOLOGY CORP/ DAYTON, OH	12.800	12-S7114-01-C1		71,956
UNIVERSAL TECHNOLOGY CORP/ DAYTON, OH	12.800	17-S7700-01-C4		52,428
UNIVERSAL TECHNOLOGY CORP/ DAYTON, OH	12.800	17-S8401-03-C1		21,784
UNIVERSITY OF CALIFORNIA	12.800	2015-3219/ PO#45933		176,886
UNIVERSITY OF COLORADO/BOULDER, CO	12.800	1552069/PO# 1000394545		5,551
UNIVERSITY OF FLORIDA	12.800	UFDSP00010759		(12,468)
Research and Technology Development				
Passed through from:				
HONEYWELL INC	12.910	PO 3501541994		154,273
Total Department of the Air Force			<u>26,095,637</u>	<u>159,931,477</u>

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Department of Defense				
Basic Scientific Research - Combating Weapons of Mass Destruction	12.351		102,181	428,808
Basic, Applied, and Advanced Research in Science and Engineering	12.630		11,675,847	111,009,793
Air Force Defense Research Sciences Program	12.800			153,534
Research and Technology Development	12.910		94,808	441,933
Basic Scientific Research - Combating Weapons of Mass Destruction				
Passed through from:				
MONTEREY INSTITUTE OF INTERNATIONAL STUDIES/ MONTEREY, CA	12.351	DTRA GTARC 1		129,972
ROTC Language and Culture Training Grants				
Passed through from:				
INSTITUTE OF INTERNATIONAL EDU	12.357	#2603-GT17		12,675
Basic Scientific Research				
Passed through from:				
HONEYWELL INTERNATIONAL/COONS RAPID, MN	12.431	3501701149E		7,531,805
INMONDO TECH/ATLANTA, GA	12.431	AGMT DTD FEB 26, 2016		24,581
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
AEGIS TECHNOLOGIES GROUP INC	12.630	105-STTR-GTRI-7160		(12)
BAE SYSTEMS/NASHUA, NH	12.630	957935		5,974
BATTELLE	12.630	601190-6		48,441
BINERGY SCIENTIFIC INC/SALT LAKE CITY, UT	12.630	AGR DTD 09/30/16		44,550
CAMBRIDGE SYSTEMATICS INC./RALEIGH, NC	12.630	TBD TASK ORDER # 2		16,083
CARBICE NANOTECHNOLOGIES INC/ATLANTA, GA	12.630	AGMT, DTED 9/8/16		69,042
DHPC TECHNOLOGIES INC./WOODBRIDGE, NJ	12.630	D161130-01		187,698
DHPC TECHNOLOGIES INC./WOODBRIDGE, NJ	12.630	SD01641-0002		51,355
DYNETICS INCORPORATED	12.630	DI-SC-09-20/16		(173)
DYNETICS INCORPORATED	12.630	DI-SC-16-01 TASK ORDER 21		161,373
DYNETICS INCORPORATED	12.630	SB500011		54,616
DYNETICS INCORPORATED//HUNTSVILLE, AL	12.630	DI-SC-15-05 / TO 03		16,943
DYNETICS INCORPORATED//HUNTSVILLE, AL	12.630	DI-SC-16-01/TO 72		3,511
DYNETICS INCORPORATED//HUNTSVILLE, AL	12.630	DI-SC-16-01/TO 73		352
DYNETICS INCORPORATED//HUNTSVILLE, AL	12.630	DI-SC-17-22-NTP		34,746
DYNETICS INCORPORATED//HUNTSVILLE, AL	12.630	TASK ORDER 02		34,300
EMORY UNIVERSITY/ATLANTA, GA	12.630	T803614		239,157
GATR TECHNOLOGIES/HUNTSVILLE, AL	12.630	AGR DTD 11/15/16		24,123
GENERAL DYNAMICS	12.630	10204267_14-SC-0102 LS		166,160
HARRIS CORPORATION	12.630	A000388201		103,455
HIFUNDA LLC	12.630	W911NF-16-P-0020		42,188
HONEYWELL INC	12.630	3501085955E		946
HONEYWELL INC	12.630	3501196815E		44,527
HONEYWELL INC	12.630	3501508791E		321,346
HONEYWELL INC	12.630	3501700183E		369,698
IERUS TECHNOLOGIES/HUNTSVILLE, AL	12.630	AGMT DTD 10.1.15		18,622
IJIS INSTITUTE/ASHBURN, VA	12.630	572-GTRI-PI-01		75,960
INFOSCITEX CORPORATION/ DAYTON, OH	12.630	PO 161754		90,847
IQM RESEARCH INSTITUTE	12.630	#129285		66,556
JACOBS TECHNOLOGY INC/FT. WALTON BEACH, FL	12.630	4/20/17 NOTICE TO PROCEED		17,791
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	12.630	125083		573,711
KARAGOZIAN AND CASE STRUCTURAL ENGINEERS/ GLENDALE, CA	12.630	AGT DTD MAY 29, 2017		14,907

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LEIDOS INC	12.630	P010176583		135,351
LEIDOS INC	12.630	P010192863		664,463
LEIDOS INC	12.630	PO10173808		64,953
LOCKHEED - FORT WORTH/FORT WORTH, TX	12.630	7253165		(1)
LOCKHEED MARTIN ADVANCED TECHNOLOGY LAB/ CHERRY HILL,NJ	12.630	4101794768		109,222
MACAULEY-BROWN INC/	12.630	DSC 2124-01		400,486
MICROSEMI CORPORATION/ALISO VIEJO,CA	12.630	PB92205BV	1,809	344,643
MODERNA THERAPEUTICS/CAMBRIDGE,MA	12.630	RESEARCH AGREEMENT DTD 7/30/13		39,545
MORSECORP INC./CAMBRIDGE, MA	12.630	ICARUS-1-06		81,050
NATIONAL CENTER FOR MANUFACTURING SCIENCES / ANN ARBOR, MI	12.630	201726-130194		47,345
NORTHROP GRUMMAN/BALTIMORE, MD	12.630	LINE ITEM 200 FOR PHASE 2		116,008
NOUR LLC./WILMETTE/IL	12.630	AGT DTD JULY 6, 2016		32,000
OHIO STATE UNIVERSITY/COLUMBUS, OH	12.630	60057838		285,516
PHOSPHOR TECH CORPORATION/MABLETON, GA	12.630	AGE DTD 03/10/16		25,074
PHYSICAL SCIENCES INC/ANDOVER, MA	12.630	AGR DTD 10/27/16		20,570
POLY-ORTH INTERNATIONAL/SHARON, MA	12.630	AGRMT DTD 12/23/16		121,042
RADIABEAM TECHNOLOGIES LLC./SANTA MONICA, CA	12.630	AGR DTD 04/06/16		18,018
RAYTHEON	12.630	10102015		330,607
RAYTHEON	12.630	4201228030		20,945
RAYTHEON	12.630	4201579340		4,148
SAIC	12.630	PO10105875		378,113
SANOFI PASTEUR	12.630	70040-GATECH	62,839	276,878
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.630	SR20130873		19,630
SIERRA NEVADA CORPORATION/DENVER, CO	12.630	S16FME333		75,001
SRC INC/NORTH SYRACUSE, NY	12.630	SCAS02001		2,960
STEVENS INST OF TECHNOLOGY	12.630	2102524-GT-01		69,326
STEVENS INST OF TECHNOLOGY	12.630	2102620-01		80,673
STEVENS INST OF TECHNOLOGY	12.630	RT- 147		33,010
STEVENS INST OF TECHNOLOGY	12.630	TASK ORDER 0061, RT-161		46,002
STEVENS INST OF TECHNOLOGY	12.630	TASK ORDER 0064, RT-164		95,523
STEVENS INST OF TECHNOLOGY	12.630	TASK ORDER 0067, RT-167		67,344
STEVENS INST OF TECHNOLOGY	12.630	TASK ORDER 0070, RT-170		83,229
SYSTEM HIGH/ ARLINGTON,VA	12.630	DAR 400		321,501
TDA RESEARCH INC	12.630	1917.GA.GTRC.2013-01		13
UI LABS/CHICAGO, IL	12.630	320170002		38,903
UI LABS/CHICAGO, IL	12.630	320170004		23,598
UI LABS/CHICAGO, IL	12.630	320170007		12,804
UNIVERSAL TECHNOLOGY CORP/ DAYTON, OH	12.630	16-S8206-02-C1		71,973
UNIVERSITY OF MICHIGAN	12.630	3002565188		144,494
WILLCOR INC./COLLEGE PARK, MD	12.630	WILL-16-100-GTRI-1		34,925
WYLE LABORATORIES	12.630	APSC02082		37,200
WYLE LABORATORIES	12.630	APSCC02077		2,328,467
ZETA ASSOCIATES INC//FAIRFAX, VA	12.630	LTR AGMT 100064-GTARC-01		363,293
Research and Technology Development				
Passed through from:				
EMORY	12.910	T680127		97,273
IBM Thomas J. Watson Research Center	12.910	5004876066		188,156
RUTGERS UNIVERSITY/PISCATAWAY, NJ	12.910	SUB000000007		34,429
SIEMENS CORPORATE RESEARCH/PRINCETON, NJ	12.910	126-003		110,438
SYSTEM HIGH/ ARLINGTON,VA	12.910	DAR500		522,364
Total Department of Defense			<u>11,937,484</u>	<u>131,050,399</u>

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Department of the Interior				
Wildland Fire Research and Studies	15.232			5,359
Assistance to State Water Resources Research Institutes	15.805		22,662	61,325
Earthquake Hazards Reduction Program	15.807			77,868
U.S. Geological Survey_ Research and Data Collection	15.808			29,410
Research Grants (Generic)				
Passed through from:				
GALLUP/WASHINGTON, DC	15.650	D17PC00002		295,171
GALLUP/WASHINGTON, DC	15.650	D17PC00002		27,230
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	15.650	2016-2910-02		15,571
Total Department of the Interior			22,662	511,934
Department of Justice				
Law Enforcement Assistance_Narcotics and Dangerous Drugs_Laboratory Analysis	16.001			281,654
Law Enforcement Assistance_FBI Advanced Police Training	16.300			373,279
Law Enforcement Assistance_FBI Crime Laboratory Support	16.301			141,749
National Institute of Justice Research, Evaluation, and Development Project Grants	16.560			96,641
Edward Byrne Memorial Justice Assistance Grant Program	16.738			1,186,524
Regional Information Sharing Systems				
Passed through from:				
CRIMINAL INFORMATION SHARING ALLIANCE/FOLSOM, CA	16.610	001-98-07SA		210,980
Edward Byrne Memorial Competitive Grant Program				
Passed through from:				
UNIV OF ALABAMA/TUSCALOOSA, AL	16.751	UA15-034		31,643
Total Department of Justice			-	2,322,470
Department of Labor				
Occupational Safety and Health-Susan Harwood Training Grants	17.502			86,784
Consultation Agreements	17.504			1,359,878
Disability Employment Policy Development				
Passed through from:				
VISCARDI CENTER/ALBERTSON, NY	17.720	#128255		63,322
WIA/WIOA Adult Program				
Passed through from:				
GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.258	2		405,564
Total Department of Labor			-	1,915,548
Department of State				
Academic Exchange Programs - Scholars				
Passed through from:				
INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	19.401	S-13-05	82,162	102,789
Total Department of State			82,162	102,789

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Department of Transportation				
Aviation Research Grants	20.108			540,690
Air Transportation Centers of Excellence	20.109		4,614	1,556,925
Highway Planning and Construction	20.205		190,915	253,160
Highway Training and Education	20.215			9,178
University Transportation Centers Program	20.701		441,143	457,100
Research Grants	20.762			427,254
Aviation Research Grants				
Passed through from:				
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	20.108	X16-8329-GTRC		83,696
Highway Research and Development Program				
Passed through from:				
ATMOSPHERIC TECHNOLOGY SERVICES COMPANY/ NORMAN, OK	20.200	TASK ORDER 0001/BOA 953		(3,391)
HDR ENGINEERING INC/PITTSBURGH, PA	20.200	PO#1000100006996		30,860
THE COLLEGE OF NEW JERSEY/EWING, NJ	20.200	F1668NJDOT2		27,944
THE NATIONAL ACADEMIES	20.200	HR 24-37/ SUB0000130	67,020	119,455
TRANSPORTATION RESEARCH BOARD/WASHINGTON, DC	20.200	ACRP 11-04 2016-2017		7,517
TRANSPORTATION RESEARCH BOARD/WASHINGTON, DC	20.200	NCHRP-187		30,550
UNIV OF FLORIDA	20.200	UF-EIES-1200024-GAT		37,615
Highway Planning and Construction				
UNIVERSITY OF NEBRASKA/LINCOLN, NE	20.205	26-1122-0057-002		7,000
National Motor Carrier Safety				
Passed through from:				
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	20.218	S151227		55,659
University Transportation Centers Program				
Passed through from:				
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	20.701	12-S171237		73,868
Research Grants				
Passed through from:				
AMERICAN PLANNING ASSOCIATION/WASHINGTON, DC	20.762	#126765		20,915
ARIZONA STATE UNIVERSITY/TEMPE, AZ	20.762	17-166		34,523
GA DEPT OF TRANSPORTATION/	20.762	2014-19, RES PROJ 14-15		75,445
IOWA STATE UNIVERSITY/AMES, IA	20.762	428-17-20		(7,148)
TRANSPORTATION RESEARCH BOARD/WASHINGTON, DC	20.762	HR 08-102 ITEM 12		118,449
UNIV OF FLORIDA	20.762	UF-EIES-1200024-GAT		80,457
UNIVERSITY OF CALIFORNIA/DAVIS, CA	20.762	201302432-04		126,970
UNIVERSITY OF CALIFORNIA/DAVIS, CA	20.762	201302432-05		8,807
UNIVERSITY OF FLORIDA	20.762	UF-EIES-1200024-GAT		28,502
Total Department of Transportation			703,692	4,202,000
National Aeronautics and Space Administration				
Science	43.001		988,912	8,192,230
Aeronautics	43.002		265,184	1,724,889
Exploration	43.003		9,993	427,899
Space Operations	43.007			164,950
Education	43.008		297,233	1,812,860
Cross Agency Support	43.009			163,403
Space Technology	43.012			347,704
Science				
Passed through from:				
AURORA FLIGHT SCIENCES/CAMBRIDGE, MA	43.001	AFSA4-2379		39,073
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1537800		759

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JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1538346		12,501
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1538428		16,866
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1538433		18
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1541852	41,489	56,561
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA MILLENNIUM ENGINEERING AND INTEGRATION COMPANY/ ARLINGTON, VA	43.001	5710004050		187,902
ROLLS-ROYCE	43.001	5100002593		23,784
SMITHSONIAN INSTITUTE/WASHINGTON, DC	43.001	13-SUBC-440-0000279842		27,084
SOUTHWEST RESEARCH INSTITUTE/ UCLA/LOS ANGELES, CA	43.001	699054X/15.12029		147,514
UNIVERSITY OF CALIFORNIA RIVERSIDE/RIVERSIDE, CA	43.001	2090-S-RB151		60,028
YALE UNIVERSITY/NEW HAVEN, CT	43.001	S-000728		258,554
	43.001	C16N12519 (N00231)		48,650
Aeronautics				
Passed through from:				
ADVANCED ROTORCRAFT TECHNOLOGY INC./SUNNYVALE, CA	43.002	AGT DTD AUG 19, 2016		91,772
ADVANCED SYSTEMS & TECHNOLOGIES INC./IRVINE, CA	43.002	AGT DTD OCT. 12, 2015		76,775
ANALYTICAL MECHANICS ASSOCIATES INC/HAMPTON, VA	43.002	1601-TEAMS-GEO		109,211
BOOZ, ALLEN AND HAMILTON INC	43.002	N00189-16-D-Z039		156,722
CFD RESEARCH CORPORATION/HUNTSVILLE, AL	43.002	AGMT DTD 26-JUNE-2015		65,242
CROWN CONSULTING INC.	43.002	TASK ORDER NO. 01		77,493
CROWN CONSULTING INC	43.002	TASK ORDER NO. 6		39,881
CROWN CONSULTING INC/ARLINGTON,VA	43.002	TASK ORDER 03		45,000
CROWN CONSULTING INC/ARLINGTON,VA	43.002	TASK ORDER 04		459,362
CROWN CONSULTING INC/ARLINGTON,VA	43.002	TASK ORDER 05		36,967
DNC PARKS & RESORTS AT KSC INC./KENNEDY SPACE CENTER, FL	43.002	13410		198,615
DNC PARKS & RESORTS AT KSC INC./KENNEDY SPACE CENTER, FL	43.002	TO 1 DTD 11/18/15	94,092	478,932
DZYNE TECHNOLOGIES INC./IRVINE, CA	43.002	2016-209		65,298
GE GLOBAL RESEARCH/NISKAYUNA, NY	43.002	401070378		57,989
IRVINE SENSORS CORPORATION/COSTA MESA, CA	43.002	AGT DTD SEPTEMBER 9, 2016		39,000
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1345180		31,123
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1531811		54,723
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1548418		75,759
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1553919		40,779
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1562787		8,134
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1562866		21,377
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1570950		8,443
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1577710		14,991
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	43.002	117822		14,220
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	43.002	134620		9,067
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	43.002	MSA # 115841		10,811
KWJ ENGINEERING INC/NEWARK, CA	43.002	AGR DTD 09/08/15		(1,360)
LIGHTSEY SPACE RESEARCH LLC./ATLANTA, GA	43.002	AGT DTD JANUARY 15, 2016		69,799
LMI/MCLEAN,VA	43.002	#1542		(9,198)
LOCKHEED MARTIN	43.002	PO 4102584271		17,193
NATIONAL SPACE BIOMEDICAL RESEARCH INSTITUTE/ HOUSTON,TX	43.002	PF04102		22,549
OPTO-KNOWLEDGE SYSTEMS INC/TORRANCE, CA	43.002	AGMT DTD 1-DEC-2015		62,027
ROLLS-ROYCE	43.002	5100002879		49,052
SAN JOSE STATE UNIVERSITY RESEARCH FOUNDATION	43.002	#21-1614-4877-GATECH2015		3,396
SETI INSTITUTE	43.002	SC3131		24,022
SETI INSTITUTE/MOUNTAIN VIEW, CA	43.002	SC-3017		7,190
SPACE TELESCOPE SCIENCE INSTITUTE	43.002	#HST-AR-13895.001-A		13,842
SPACE TELESCOPE SCIENCE INSTITUTE	43.002	HST-AR-143326.001		34,027

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SPACE TELESCOPE SCIENCE INSTITUTE	43.002	HST-GO-13503.001-A		2,756
STONE AEROSPACE/DEL VALLE, TX	43.002	SUBCONTRACT DATED 1/1/16		10,739
TETHERS UNLIMITED	43.002	AGT DTD OCT. 11, 2016		20,353
THE INNOVATION LABORATORY INC./PORTLAND, OR	43.002	AGR DTD 8.10.2016		33,986
UNITED TECHNOLOGIES/EAST HARTFORD, CT	43.002	PO 2602355		300
UNIV OF MICHIGAN/	43.002	3003177064		9,729
UNIVERSITY OF COLORADO/BOULDER, CO	43.002	1554484		13,814
UNIVERSITY OF CONNECTICUT/STORRS, CT	43.002	106763		7,645
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	43.002	#133480		13,641
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	43.002	UTA16-000106		41,972
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	43.002	GD10052 152367		79,242
XAVIER UNIVERSITY OF LA/NEW ORLEANS	43.002	OSP-15-216811-00A		194,760
Exploration				
Passed through from:				
NORTHWESTERN UNIVERSITY/EVANSTON, IL	43.003	SP0031759-PROJ0008471		1,802
Education				
Passed through from:				
NORTHWEST NAZARENE UNIVERSITY/NAMPA, ID	43.008	NASA2016-GT01		35,000
Total National Aeronautics and Space Administration			<u>1,696,903</u>	<u>16,761,131</u>
The National Endowment for the Humanities				
Promotion of the Humanities_Division of Preservation and Access	45.149			30,653
Total The National Endowment for the Humanities			<u>-</u>	<u>30,653</u>
Institute of Museum and Library Services				
National Leadership Grants				
Passed through from:				
OREGON STATE UNIVERSITY/CORVALLIS, OR	45.312	X0159A-B		390
Total Institute of Museum and Library Services			<u>-</u>	<u>390</u>
National Science Foundation				
Engineering Grants	47.041		1,431,445	20,500,352
Mathematical and Physical Sciences	47.049		1,178,128	13,430,904
Geosciences	47.050		464,559	4,834,118
Computer and Information Science and Engineering	47.070		538,598	15,329,350
Biological Sciences	47.074		14,086	2,398,524
Social, Behavioral, and Economic Sciences	47.075		18,514	785,260
Education and Human Resources	47.076		263,543	10,947,036
Office of International Science and Engineering	47.079			233,056
Office of Cyberinfrastructure	47.080			71,567
Trans-NSF Recovery Act Research Support	47.082			19,603
Engineering Grants				
Passed through from:				
ARIZONA STATE UNIVERSITY	47.041	15-741		572,212
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.041	17-098		48,336
BIORASIS INC/STORRS,CT	47.041	AGMT DTD MARCH 3, 2016		30,606
CITY COLLEGE OF NEW YORK/NEW YORK, NY	47.041	40B88-B		4,325
CLEMSON UNIVERSITY	47.041	1678-206-2009494		17,226
CLEMSON UNIVERSITY/CLEMSON, SC	47.041	1825-206-2010995		39,169
COLUMBIA UNIVERSITY/NEW YORK, NY	47.041	1(GG012359)		32,804
CONTINUUM DYNAMICS INC/EWING, NJ	47.041	AGMT DTD 6-AUG-2015		6,785
EMORY UNIVERSITY	47.041	T191962		166,706
EMORY UNIVERSITY/ATLANTA, GA	47.041	T330605		5,760

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FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	47.041	R01706		223,366
KWJ ENGINEERING INC/NEWARK, CA	47.041	AGT DTD NOVEMBER 17, 2015		20,077
MA INSTITUTE OF TECHNOLOGY	47.041	5710002868	427	6,266
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.041	5710003968	339,703	1,131,847
MICHIGAN STATE UNIVERSITY/EAST LANSING, MI	47.041	RC104008GTRC		73,959
MICHIGAN STATE UNIVERSITY/EAST LANSING, MI	47.041	RC105453GT		122,079
MOREHOUSE COLLEGE/ATLANTA, GA	47.041	PO# P0044575		2,500
STANFORD UNIVERSITY/STANFORD, CA	47.041	61361340-29913		106,237
STATE UNIV OF NEW YORK AT BINGHAMTON/BINGHAMTON, NY	47.041	73033		155,914
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	47.041	9367		1,629
UNIVERSITY OF CALIFORNIA/IRVINE, CA	47.041	#2016-3324		112,039
UNIVERSITY OF GEORGIA/ATHENS, GA	47.041	RR740-010/S000900		53,428
UNIVERSITY OF GEORGIA/ATHENS, GA	47.041	RR740-010/S000901		5,048
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/ CHAMPAIGN, IL	47.041	083276-16293/GRANT CODE AC291		6,121
UNIVERSITY OF MINNESOTA	47.041	T5306692101		604
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	47.041	A005261901		174,960
UNIVERSITY OF SOUTHERN CALIFORNIA/LOS ANGELES, CA	47.041	43415275		9,054
UNIVERSITY OF TEXAS AT AUSTIN	47.041	UTA15-001072		72,719
Mathematical and Physical Sciences				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	47.049	T662130 YEAR 5		360,727
NATIONAL SCIENCE FOUNDATION/GENERAL	47.049	1560165		86,926
UNIV. OF WISCONSIN - TRACE CENTER/MADISON, WI	47.049	632K273		137,585
UNIVERSITY OF NORTH CAROLINA/CHAPEL HILL, NC	47.049	5105685		31,870
Geosciences				
Passed through from:				
DUKE UNIVERSITY/DURHAM, NC	47.050	#14-NSF-1074		94,644
UNIV OF CALIFORNIA/SAN DIEGO/LAJOLLA, CA	47.050	PO# 10313411		42,550
UNIVERSITY OF GEORGIA	47.050	RR534-098 / S001108		117,582
UNIVERSITY OF MINNESOTA/ST. PAUL, MN	47.050	H002949503		14,575
UNIVERSITY OF NEW HAMPSHIRE/DURHAM, NH	47.050	#14-059		19,255
UNIVERSITY OF SOUTHERN CALIFORNIA/LOS ANGELES, CA	47.050	62150108		30,015
Computer and Information Science and Engineering				
Passed through from:				
BROWN UNIVERSITY/PROVIDENCE, RI	47.070	1039		34,518
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	#BDHUB005	5,000	118,365
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	CCC-GT-07012016		45,077
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	CCC-GT-072014		106,249
CORNELL UNIVERSITY/ITHACA, NY	47.070	72954-10595		32,697
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	47.070	800004907-02		391,842
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.070	5710004130		53,034
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	47.070	5481-GTRC-NSF-6743		22,809
RAYTHEON/BBN SYSTEM AND TECHNOLOGIES/CAMBRIDGE, MA	47.070	1947		(475)
RAYTHEON/BBN SYSTEM AND TECHNOLOGIES/CAMBRIDGE, MA	47.070	2008		47,289
SEARCH TECHNOLOGY INC/	47.070	1645237		1,547
UNIV OF LOUISVILLE/LOUISVILLE, KY	47.070	ULRF 16-0870-01		24,225
UNIV OF NOTRE DAME/SOUTH BEND, IN	47.070	202917GT		47,583
UNIV OF NOTRE DAME/SOUTH BEND, IN	47.070	202917GT		33,029
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	47.070	083276-16241/GRANT CODE AC291		8,133
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/ CHAMPAIGN, IL	47.070	15832		58,816

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UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/ CHAMPAIGN, IL	47.070	083842-16099		55,345
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/ CHAMPAIGN, IL	47.070	2011-00318-31		85,610
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/ CHAMPAIGN, IL	47.070	2014-07138-01		125,304
UNIVERSITY OF ILLINOIS AT URBANA	47.070	2007-01077-59		36,296
Biological Sciences				
Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.074	T.O. 1		164,058
DUKE UNIVERSITY/DURHAM, NC	47.074	14-NSF-1112		3,043
IOWA STATE UNIVERSITY/AMES, IA	47.074	420-61-87A		30,460
IOWA STATE UNIVERSITY/AMES, IA	47.074	420-62-61A		30,461
MONTANA STATE UNIVERSITY/BOZEMAN, MONTANA	47.074	G124-14-W4596		88,329
Social, Behavioral, and Economic Sciences				
Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.075	11-483 / PO # SC 19111M00171		8,901
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.075	14-364		28,362
EMORY UNIVERSITY/ATLANTA, GA	47.075	T610300		92,600
OLD DOMINION UNIVERSITY RESEARCH FOUNDATION/NORFOLK, VA	47.075	16-217-100580-010		269,992
Education and Human Resources				
Passed through from:				
GEORGIA STATE UNIV/ATLANTA, GA	47.076	SP00011669-01		47,541
KENNESAW STATE UNIVERSITY/MARIETTA, GA	47.076	431317-14-01		31,809
SEARCH TECHNOLOGY INC/	47.076	STI-GTRC-14-1		161,388
UNIVERSITY OF COLORADO/BOULDER, CO	47.076	1554503		158,101
UNIVERSITY OF GEORGIA/ATHENS, GA	47.076	RR740019/S001256		47,999
Office of International Science and Engineering				
Passed through from:				
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	47.079	A003418201		133,010
CIVILIAN RES & DEVL FOUN (CRDF)/ARLINGTON, VA	47.079	OISE-15-61220-0		14,148
Office of Cyberinfrastructure				
Passed through from:				
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/ CHAMPAIGN, IL	47.080	2007-01077-49		5,383
Office of Integrative Activities				
Passed through from:				
UNIV OF KY RESEARCH FDN/LEXINGTON, KY	47.083	3200000271-16-075		100,451
Total National Science Foundation			4,254,003	75,430,604
Department of Veteran Affairs				
Research and Development	64.054			885,510
Total Department of Veteran Affairs			-	885,510
Environmental Protection Agency				
Science To Achieve Results (STAR) Research Program	66.509		16,321	697,949
Science To Achieve Results (STAR) Fellowship Program	66.514			11,742
P3 Award: National Student Design Competition for Sustainability	66.516			1,145
Pollution Prevention Grants Program	66.708			116,809
Ozone Transport Commission				
Passed through from:				
HEALTH EFFECTS INSTITUTE	66.033	4943-RFA13-2/14-4-3		155,692
Surveys, Studies, Research, Investigations, Demos, & Special Purpose Activities Related to Clean Air Act				
Passed through from:				
HEALTH EFFECTS INSTITUTE/CAMBRIDGE, MA	66.034	#4912-RFA11-1/12-6	21,522	144,304

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SOUTHEASTERN STATES AIR RESOURCE MANAGERS INC/FOREST PARK,GA	66.034	S-2010-04-01		42,390
Congressionally Mandated Projects				
Passed through from:				
THE CONSORTIUM FOR PLANT BIOTECH RES INC/ ST SIMONS ISLAND, GA	66.202	EPA8348801-339		25,262
Science To Achieve Results (STAR) Research Program				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	66.509	S553711		110,309
EMORY UNIVERSITY/ATLANTA, GA	66.509	S553712		53,170
EMORY UNIVERSITY/ATLANTA, GA	66.509	S553713		88,293
UNIVERSITY OF WISCONSIN/MADISON WISCONSIN	66.509	UA15-045		43,387
Total Environmental Protection Agency			<u>37,843</u>	<u>1,490,452</u>
Nuclear Regulatory Commission				
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008			13,831
U. S. Nuclear Regulatory Commission Nuclear Education Grant Program				
Passed through from:				
M. TUTTLE AND ASSOCIATES/GEORGETOWN,ME	77.006	MTA-SC2011-GT-1		2,307
Total Nuclear Regulatory Commission			<u>-</u>	<u>16,138</u>
Department of Energy				
Office of Science Financial Assistance Program	81.049		1,124,888	5,850,852
Conservation Research and Development	81.086		41,638	1,171,857
Renewable Energy Research and Development	81.087		303,195	636,644
Fossil Energy Research and Development	81.089		(1,454)	1,311,206
Stewardship Science Grant Program	81.112			49,545
Defense Nuclear Nonproliferation Research	81.113			17,163
Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis	81.117			139,936
Nuclear Energy Research, Development and Demonstration	81.121		622,729	1,797,264
Electricity Delivery and Energy Reliability, Research, Development and Analysis	81.122			57,825
Advanced Research and Projects Agency – Energy	81.135		380,747	2,869,983
Inventions and Innovations				
Passed through from:				
SANDIA NATL LABS/SANDIA CORP	81.036	1614313		39,079
Office of Science Financial Assistance Program				
Passed through from:				
AECOM ENERGY & CONSTRUCTION, INC	81.049	RES1505183		8,827
AECOM ENERGY AND CONSTRUCTION INC.	81.049	RES1505184		8,585
AECOM ENERGY AND CONSTRUCTION INC	81.049	RES1505185		6,439
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	4F-30541		2,283
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	6F-30981		29,523
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	6F-32101		3,379
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	7F-30062		13,526
ARIZONA STATE UNIVERSITY/TEMPE, AZ	81.049	12-727		24,930
ARIZONA STATE UNIVERSITY/TEMPE, AZ	81.049	DE-AR0000470		169,367
BECHTEL-BETTIS INCORPORATED	81.049	118626		156,032
CERAMATEC/SALT LAKE CITY, UTAH	81.049	AGR DTD 11/24/15		491,940
CONTINUUM DYNAMICS INC/EWING, NJ	81.049	STTR: AGRMT DTD 01 APR 2015		58,115
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	81.049	R01436		58,218
HIFUNDA LLC/SALT LAKE CITY,UT	81.049	STTR: AGRMT DTD 02 MARCH 2015		130,751
HONEYWELL INC	81.049	N000186683		215,643
HONEYWELL INC	81.049	N000217778		30,029

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IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	123590		2,839
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	132015	144,641	566,055
Krell Institute	81.049	Krell 2		897
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7284683		48,926
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7314277		10,900
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7350495		29,970
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	SUBCONTRACT NO 7052309		925,398
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B612613		13,702
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B616640		44,505
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B616700		1,092
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B616705		5,987
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B617458		105,681
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B620403		79,523
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)	81.049	280217		10,304
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)	81.049	364502		81,119
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)	81.049	371097		104,952
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)	81.049	389971		173,572
LOS ALAMOS NATIONAL LAB/LOS ALAMOS NATIONAL SECURITY (LANS)	81.049	421807		12,783
NATL RENEWABLE ENERGY LAB (NREL)	81.049	XEJ-7-70103-01		36,014
NATL RENEWABLE ENERGY LAB (NREL)	81.049	XHQ-7-70094-01		30,332
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.049	AFC-6-62057-01		36,000
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.049	XAT-6-52273-01		34,750
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.049	XAT-6-62147-01		105,340
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.049	XEJ-7-62291-01		15,375
OAK RIDGE ASSOCIATED UNIV/OAK RIDGE, TENNESSEE	81.049	600891		12,266
OAK RIDGE NATL LAB/OAK RIDGE, TN	81.049	4000084578		6,465
OAK RIDGE NATL LAB/UT BATTELLE LLC	81.049	4000100062		14,898
OAK RIDGE NATL LAB/UT BATTELLE LLC	81.049	4000104541		149,220
OAK RIDGE INSTI OF SCI & EDU/OAK RIDGE, TN	81.049	WIRE TRANSFER 11/18		19,764
OG TECHNOLOGIES/ANN ARBOR, MI	81.049	AGT DTD SEPT. 9, 2014		182,931
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	240628		(935)
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	262787		166,845
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	276966		32,708
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	311544		1,491,763
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	314108		90,978
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	322234		123,715
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	331867		24,725
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	338787		37,753
PRAXAIR/TONAWANDA, NY	81.049	DE-FE0026163		417,773
PROTON ONSITE/WALLINGFORD, CT	81.049	AGR DTD 6.29.2016 PO# 17224		95,286
QUES TEK INNOVATIONS LLC/EVANSTON, IL	81.049	1250		(12,022)
QUES TEK INNOVATIONS LLC/EVANSTON, IL	81.049	1401		65,640
SANDIA NATL LABS/SANDIA CORP	81.049	1399026		75,498
SANDIA NATL LABS/SANDIA CORP	81.049	1580224		13,614
SANDIA NATL LABS/SANDIA CORP	81.049	1584460		(19,765)
SANDIA NATL LABS/SANDIA CORP	81.049	1631181		55,405
SANDIA NATL LABS/SANDIA CORP	81.049	1643373		104,075
SANDIA NATL LABS/SANDIA CORP	81.049	1643445		38,285
SANDIA NATL LABS/SANDIA CORP	81.049	1643447		67,879
SANDIA NATL LABS/SANDIA CORP	81.049	1648378		37,261
SANDIA NATL LABS/SANDIA CORP	81.049	1670930		50,000
SANDIA NATL LABS/SANDIA CORP	81.049	1673846		53,209

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 AND GEORGIA INSTITUTE OF TECHNOLOGY
 SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**

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Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
SANDIA NATL LABS/SANDIA CORP	81.049	1678585		16,213
SANDIA NATL LABS/SANDIA CORP	81.049	1681292		36,058
SANDIA NATL LABS/SANDIA CORP	81.049	1682950		41,879
SANDIA NATL LABS/SANDIA CORP	81.049	1683264		84,784
SANDIA NATL LABS/SANDIA CORP	81.049	1716584		70,084
SANDIA NATL LABS/SANDIA CORP	81.049	1716584		12,000
SANDIA NATL LABS/SANDIA CORP	81.049	1718996		81,910
SANDIA NATL LABS/SANDIA CORP	81.049	1719027		54,682
SANDIA NATL LABS/SANDIA CORP	81.049	1740357		19,890
SANDIA NATL LABS/SANDIA CORP	81.049	1740727		48,286
SANDIA NATL LABS/SANDIA CORP	81.049	1741850		41,790
SANDIA NATL LABS/SANDIA CORP	81.049	1742041		45,518
SANDIA NATL LABS/SANDIA CORP	81.049	1744348		59,875
SANDIA NATL LABS/SANDIA CORP	81.049	1745464		36,206
SANDIA NATL LABS/SANDIA CORP	81.049	1754500		74,236
SANDIA NATL LABS/SANDIA CORP	81.049	1755523		55,564
SANDIA NATL LABS/SANDIA CORP	81.049	1764531		9,361
SANDIA NATL LABS/SANDIA CORP	81.049	1767660		71,030
SANDIA NATL LABS/SANDIA CORP	81.049	1767699		73,438
SANDIA NATL LABS/SANDIA CORP	81.049	1782007		24,628
SANDIA NATL LABS/SANDIA CORP	81.049	1794432		9,696
SANDIA NATL LABS/SANDIA CORP	81.049	1804495		44,999
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/ AIKEN, SC	81.049	19		3,800
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/ AIKEN, SC	81.049	265739		73,198
SILA NANOTECHNOLOGIES INC/ ATLANTA, GA	81.049	AGR DTD 5/11/15		48,752
STATE UNIV OF NY AT STONY BROOK	81.049	68856-TASK 3, PROJ. 1119493		109,885
SUNIVA/ ATLANTA, GA	81.049	AGMT,DATED 7/7/14		93,251
SUNIVA/ ATLANTA, GA	81.049	AGREEMENT DTD 10/14/15		151,463
UNIV OF NORTH CAROLINA/CHAPEL HILL, NC	81.049	5035981		67,650
UNIVERSITY OF ARIZONA/TUCSON, AZ	81.049	PO# 109150		120,845
UNIVERSITY OF DELAWARE	81.049	37792		98,579
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	81.049	A003127003		41,741
UNIVERSITY OF OKLAHOMA	81.049	2014-14		70,547
UNIVERSITY OF WISCONSIN/MADISON WISCONSIN	81.049	562K284		67,776
URS ENERGY AND CONSTRUCTION/MORGANTOWN,WV	81.049	RES1504355		20,386
URS ENERGY AND CONSTRUCTION/MORGANTOWN,WV	81.049	RES1504356		20,000
URS ENERGY AND CONSTRUCTION/MORGANTOWN,WV	81.049	RES1504737		78,675
URS ENERGY AND CONSTRUCTION/MORGANTOWN,WV	81.049	RES1504738		13,884
URS ENERGY AND CONSTRUCTION/MORGANTOWN,WV	81.049	RES1504914		28,006
US DEPT OF ENERGY/ARGONNE, IL	81.049	DE-FG02-07ER46394		144,480
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000116095		104,085
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000122911		(7,975)
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000125663		57,110
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000125802		(207)
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000126657		(121)
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000127240		10,639
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000127240		44,573
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000128095		26,447
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000129251		47,718
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000134863		24,388
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000135739		6,387

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UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000136025		29,476
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000136270		12,508
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000136542		3,528
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000138727		58,801
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000138776		(1,332)
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000144319		95,243
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000145143		121,441
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000145803		20,451
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000147836		20,013
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000150871		4,817
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000152624		26,134
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000152636		49,620
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000152786		5,700
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000153967		12,218
VANDERBILT UNIVERSITY/NASHVILLE, TN	81.049	#19067-S12		98,380
VURONYX TECHNOLOGIES INC./BEVERLY, MA	81.049	AGMT DTD 16 JUN 2015		112,407
XG SCIENCES/LANSING,MI	81.049	AGR DTD 2/18/2014		(1,127)
XG SCIENCES/LANSING,MI	81.049	AGR DTD 7-OCT-2016		24,996
Renewable Energy Research and Development				
Passed through from:				
AMTECH SYSTEMS INC./TEMPE, AZ	81.087	AGRMT DTD 1/26/16		151,251
ARIZONA STATE UNIVERSITY/TEMPE, AZ	81.087	13-184		74,904
ELECTRIC POWER RES INST/	81.087	#10001646		176,125
PICASOLAR INC	81.087	AGR DTD 1/31/17		100,012
PURDUE UNIVERSITY/WEST LAFAYETTE	81.087	4106-71517		563,669
STANFORD UNIVERSITY/STANFORD, CA	81.087	60212339-51077-G		110
VANDERBILT UNIVERSITY/NASHVILLE, TN	81.087	UNIV58977		78,138
Fossil Energy Research and Development				
Passed through from:				
CLEMSON UNIVERSITY/CLEMSON, SC	81.089	1751-219-2020335		6,906
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.089	#4000111432		170,059
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.089	4000105765		1,927
Defense Nuclear Nonproliferation Research				
Passed through from:				
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	81.113	2014-0501-05		320,564
Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance				
Passed through from:				
HONEYWELL INC	81.117	N000179484		73,043
Nuclear Energy Research, Development and Demonstration				
Passed through from:				
CONSOLIDATED NUCLEAR SECURITY LLC/OAK RIDGE, TN	81.121	AGREEMENT DTD 3.28.2016		68,696
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.121	163747		32,757
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.121	XGZ-6-52063-01		61,477
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.121	XEJ-6-52279-01		50,805
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	81.121	4105-77327		14,067
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	81.121	4105-77465		13,206
SANDIA NATL LABS/SANDIA CORP	81.121	1617589		30,744
SANDIA NATL LABS/SANDIA CORP	81.121	1620729		127,721
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/ AIKEN, SC	81.121	218148		140,088
SYRACUSE UNIVERSITY/SYRACUSE, NY	81.121	27383-03825-S02		4,767
SYRACUSE UNIVERSITY/SYRACUSE, NY	81.121	28643-04465-S02		36,059

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UNIVERSITY OF ARKANSAS/FAYETTEVILLE, AR	81.121	SA1510069		87,036
UNIVERSITY OF NEBRASKA/LINCOLN, NE	81.121	25-1120-0014-004		6,015
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.121	4000142757		(16,002)
Advanced Research Projects Agency - Energy				
Passed through from:				
UCLA/LOS ANGELES, CA	81.135	0130 G SB634		70,918
SILA NANOTECHNOLOGIES INC	81.135	133588		76,936
RENSELAER POLYTECHNIC INST/ITROY, NY	81.135	A12820		69,917
Total Department of Energy			2,616,384	27,083,469
Department of Education				
Fund for the Improvement of Postsecondary Education	84.116		181,559	1,286,382
Graduate Assistance in Areas of National Need	84.200			25,893
Directed Grants and Awards	84.417			25,000
Mathematics and Science Partnerships				
Passed through from:				
OHIO STATE UNIVERSITY/COLUMBUS, OH	84.366	60036997		24,733
Supporting Effective Instruction State Grant (formerly Improving Teacher Quality State Grants)				
Passed through from:				
UNIVERSITY OF GEORGIA/ATHENS, GA	84.367	RH216-352/S001009		36,950
Total Department of Education			181,559	1,398,958
Department of Health and Human Services				
Innovations in Applied Public Health Research	93.061		307,736	1,284,847
Laboratory Training, Evaluation, and Quality Assurance Programs	93.064			37,991
Food and Drug Administration_Research	93.103		564,272	851,806
Environmental Health	93.113		79,190	412,402
Oral Diseases and Disorders Research	93.121		56,884	292,256
Human Genome Research	93.172		325,918	528,001
Research Related to Deafness and Communication Disorders	93.173			(2,917)
Mental Health Research Grants	93.242		357,748	1,555,115
Alcohol Research Programs	93.273			(348)
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		485,553	3,221,896
Trans-NIH Research Support	93.310			120,119
Cancer Cause and Prevention Research	93.393		109,984	305,349
Cancer Detection and Diagnosis Research	93.394		64,324	540,241
Cancer Treatment Research	93.395		240,187	728,513
Cancer Biology Research	93.396			410,448
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433		61,622	1,330,114
CDC Undergraduate Public Health Scholars Program (CUPS)	93.456			54,222
ACL Assistive Technology	93.464		238,000	362,554
Trans-NIH Research Support	93.701		64,898	387,208
PPHF-CDC Partnership: Strengthening Public Health Laboratories	93.765		44,917	50,796
Cardiovascular Diseases Research	93.837		319,643	2,373,134
Lung Diseases Research	93.838			167,420
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		456,965	2,053,353
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847			163,010
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		928,036	2,557,822
Allergy and Infectious Diseases Research	93.855		441,303	1,328,544
Biomedical Research and Research Training	93.859		477,320	4,839,059
Child Health and Human Development Extramural Research	93.865		22,104	366,602
Aging Research	93.866		449,335	1,498,170
Vision Research	93.867		377,848	1,305,911

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Special Projects of National Significance	93.928			(1,681)
International Research and Research Training	93.989		495,475	1,313,059
Preventive Health and Health Services Block Grant	93.991		158,798	1,692,596
Technical Assistance and Provision for Foreign Hospitals and Health Organizations				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.019	T679671		141,670
National Family Caregiver Support, Title III, Part E				
Passed through from:				
GA DEPT OF HEALTH & HUMAN SVCS/HUMAN RESOURCES	93.052	42700-373-0000045137		8,181
Food and Drug Administration_Research				
Passed through from:				
GEORGIA DEPARTMENT OF AGRICULTURE/ATLANTA, GA	93.103	1U18FD005565-01		49,917
Environmental Health				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.113	P.O.T567062		85,615
EMORY UNIVERSITY/ATLANTA, GA	93.113	T133127		30,201
Oral Diseases and Disorders Research				
Passed through from:				
UNIVERSITY OF ALABAMA	93.121	000412838-060		373,512
Research Related to Deafness and Communication Disorders				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.173	S872546 (MAIN GRANT)		7,372
Research and Training in Complementary and Integrative Health				
Passed through from:				
VIRGINIA COMMONWEALTH UNIVERSITY/RICHMOND, VA	93.213	PT112083-SC107082		1,806
Research on Healthcare Costs, Quality and Outcomes				
Passed through from:				
GEORGIA STATE UNIV/ATLANTA, GA	93.226	SP00011579-03		8,160
Policy Research and Evaluation Grants				
Passed through from:				
DELOITTE CONSULTING	93.239	101055-1		136,357
Mental Health Research Grants				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.242	T261757		35,399
Occupational Safety and Health Program				
Passed through from:				
THE CENTER FOR CONSTRUCTION RESEARCH AND TRAINING/SILVER SPRINGS, MD	93.262	16-I-PS		24,097
Discovery and Applied Research for Technological Innovations to Improve Human Health				
Passed through from:				
BME-Emory NIH	93.286	1T90DA032466-01		3,820
CORNELL UNIVERSITY/IITHACA, NY	93.286	16111826-GEORGIA		51,567
EMORY UNIVERSITY	93.286	T288334		21,670
EMORY UNIVERSITY/ATLANTA, GA	93.286	T087778		17,051
MICHIGAN STATE UNIVERSITY/EAST LANSING, MI	93.286	RC104170GT		122,203
NORTHEASTERN UNIVERSITY/BOSTON, MA	93.286	500396-78050		86,049
UNIV OF LOUISVILLE/LOUISVILLE, KY	93.286	ULRF 14-1431		61,982
UNIVERSITY OF MEMPHIS/MEMPHIS, TN	93.286	5-40604		312,391
UT SOUTHWESTERN MEDICAL CENTER/DALLAS, TX	93.286	GMO 160807		40,296
National Public Health Improvement Initiative				
Passed through from:				
FULTON COUNTY/	93.292	AGR DTD 5/6/15		206,874

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Minority Health and Health Disparities Research				
Passed through from:				
RICE UNIVERSITY/HOUSTON, TEXAS	93.307	R22754		41,947
Trans-NIH Research Support				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.310	T491511		23,463
EMORY UNIVERSITY/ATLANTA, GA	93.310	T491511		17,088
EMORY UNIVERSITY/ATLANTA, GA	93.310	T662893		28,055
THE J. DAVID GLADSTONE INSTITUTES/SAN FRANCISCO, CA	93.310	R02210-A		(10,920)
National Center for Advancing Translational Sciences				
Passed through from:				
EMORY UNIVERSITY	93.350	RS00020084-01		16,630
EMORY UNIVERSITY/ATLANTA, GA	93.350	T477965		192,795
EMORY UNIVERSITY/ATLANTA, GA	93.350	T648282		4,921
Research Infrastructure Programs				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.351	T620910		191,123
Cancer Detection and Diagnosis Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.394	PO#T342893		39
EMORY UNIVERSITY/ATLANTA, GA	93.394	T542929		(9,538)
RICE UNIVERSITY/HOUSTON, TEXAS	93.394	R22089		(3)
Cancer Treatment Research				
Passed through from:				
MICHIGAN STATE UNIVERSITY/EAST LANSING, MI	93.395	RC100173GT		(76)
ACL National Institute on Disability, Independent Living, and Rehabilitation Research				
Passed through from:				
CINCINNATI CHILDREN'S HOSPITAL MEDICAL CENTER/ CINCINNATI, OH	93.433	#136999		(25,575)
Centers for Medicare and Medicaid Services (CMS) Research, Demonstrations and Evaluations				
Passed through from:				
GEORGIA DEPT OF COMMUNITY HEALTH/ATLANTA,GA	93.779	15005G		1,078,727
Ebola Support: Transmission and Prevention Control, Public Health Preparedness, Vaccine Development				
Passed through from:				
EMORY UNIVERSITY	93.823	T562794		191,371
Heart and Vascular Diseases Research				
Passed through from:				
BAYLOR COLLEGE OF MEDICINE/HOUSTON, TX	93.837	#P.O. 700000129		123,677
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.837	RSTFD0001137986		31,995
EMORY UNIVERSITY	93.837	T610484		192,814
EMORY UNIVERSITY/ATLANTA, GA	93.837	T586137		115,858
EMORY UNIVERSITY/ATLANTA, GA	93.837	T595904		58,637
UNIVERSITY OF PENNSYLVANIA	93.837	561713/PO 3406412		268,683
UNIVERSITY OF TEXAS AT AUSTIN	93.837	UTA13-000981		321,843
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	93.837	4000128353		1,538
Blood Diseases and Resources Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.840	HHSN268201400039C		4,768
Arthritis, Musculoskeletal and Skin Diseases Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.846	1U01AR067169-01		9,670
Diabetes, Digestive, and Kidney Diseases Extramural Research				

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Passed through from:				
COLUMBIA UNIVERSITY/NEW YORK, NY	93.847	G10156		41,552
EMORY UNIVERSITY/ATLANTA, GA	93.847	#T663443		90,336
Extramural Research Programs in the Neurosciences and Neurological Disorders				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.853	T800420		309,375
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	93.853	8937		135,091
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	93.853	8936		165,415
WRIGHT STATE UNIVERSITY	93.853	AGMT DTD 9/18/15		15,588
Allergy, Immunology and Transplantation Research				
Passed through from:				
BOSTON UNIVERSITY/BOSTON, MA	93.855	4500001690		55,393
EMORY UNIVERSITY	93.855	T620207		22,550
EMORY UNIVERSITY/ATLANTA, GA	93.855	SP00012249-02		23,203
EMORY UNIVERSITY/ATLANTA, GA	93.855	T253685		139,025
EMORY UNIVERSITY/ATLANTA, GA	93.855	T365272		128,945
EMORY UNIVERSITY/ATLANTA, GA	93.855	T373210		(43)
EMORY UNIVERSITY/ATLANTA, GA	93.855	T559136		109,707
EMORY UNIVERSITY/ATLANTA, GA	93.855	T662854		53,994
EMORY UNIVERSITY/ATLANTA, GA	93.855	T730377		141,205
GEORGIA STATE UNIV/ATLANTA, GA	93.855	SP00012355-01		288,182
NATIONWIDE CHILDREN'S HOSPITAL/COLUMBUS, OH	93.855	#82154216		27,370
UNIVERSITY OF LOUISIANA LAFAYETTE/LAFAYETTE, LA	93.855	87100-01		259,858
Biomedical Research and Research Training				
Passed through from:				
CALIFORNIA INSTITUTE OF TECH/PASEDNA, CA	93.859	21B-1094646		20,760
EMORY UNIVERSITY/ATLANTA, GA	93.859	T546559		222,714
EMORY UNIVERSITY/ATLANTA, GA	93.859	T674760		25,035
EMORY UNIVERSITY/ATLANTA, GA	93.859	T720873		72,234
HARVARD UNIVERSITY/BOSTON, MA	93.859	133233-5068506		132,540
UNIV OF IOWA/IOWA CITY, IA	93.859	W000613112/ PO # 1001332609		65,230
UNIV OF WASHINGTON/SEATTLE, WA	93.859	UWSC6607 (FORMERLY 759695)		189,568
Child Health and Human Development Extramural Research				
Passed through from:				
EMORY UNIVERSITY	93.865	T586094		179,589
EMORY UNIVERSITY/ATLANTA, GA	93.865	T586108		138,980
EMORY UNIVERSITY/ATLANTA, GA	93.865	T696074		23,885
UNIV OF ALABAMA/TUSCALOOSA, AL	93.865	UA13-001		51,668
Aging Research				
Passed through from:				
BOSTON UNIVERSITY/BOSTON, MA	93.866	4500002150		26,531
EMORY UNIVERSITY/ATLANTA, GA	93.866	T815795		57,466
UNIVERSITY OF MIAMI MEDICAL SCHOOL/MIAMI, FL	93.866	660372		214,872
Vision Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.867	T431599		42,360
EMORY UNIVERSITY/ATLANTA, GA	93.867	T463131		15,600
EMORY UNIVERSITY/ATLANTA, GA	93.867	T806043		2,082
EMORY UNIVERSITY/ATLANTA, GA	93.867	T806043		26,023
EMORY UNIVERSITY/ATLANTA, GA	93.867	T806043		17,690
LEGACY EMANUEL HOSPITAL & HEALTH CENTER/PORTLAND,OR	93.867	AGREEMENT DATED 30-JUN-2016		93,599
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.867	#5710003266		(15,846)

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

FOR THE YEAR ENDED JUNE 30, 2017

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
NEW YORK UNIVERSITY/NEW YORK, NY	93.867	17-A0-00-006701-01		35,492
NORTHWESTERN UNIVERSITY/EVANSTON, IL	93.867	SP0028943-PROJ0007598		119,425
UNIVERSITY OF COLORADO	93.867	FY17.558.004_AMD5		172,963
Autism Collaboration, Accountability, Research, Education, and Support				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.877	T652508		58,785
Passed through from:				
EMORY UNIVERSITY	93.967	T584742		8,449
EMORY UNIVERSITY/ATLANTA, GA	93.967	T674525		60,823
EMORY UNIVERSITY/ATLANTA, GA	93.967	T807472 5P01AI125180-02		45,807
GEORGIA TECH APPLIED RESEARCH CORPO	93.967	D7687-S1		42,663
Preventive Health and Health Services Block Grant				
Passed through from:				
DANA-FARBER CANCER INSTITUTE INC./BOSTON, MA	93.991	1242101		24,501
EMORY UNIVERSITY/ATLANTA, GA	93.991	T648153		27,361
GEORGIA TECH APPLIED RESEARCH CORPORATION	93.991	D7722-S1		90,042
NANOHYBRIDS INC./AUSTIN, TX	93.991	AGT DTD DECEMBER 28, 2015		31,238
NORTHROP GRUMMAN	93.991	7500152764		26,257
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	93.991	5-52830		78,666
STANFORD UNIVERSITY/STANFORD, CA	93.991	61379352-111946		137,886
THRUST INTERACTIVE/ATLANTA, GA	93.991	AGR DTD 03/20/2017		15,953
UNIVERSITY OF TEXAS AT DALLAS/RICHARDSON, TX	93.991	16C6917		40,118
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.991	GB10347 152818		58,767
Total Department of Health and Human Services			7,128,060	41,507,854
Corporation for National Public Community				
AmeriCorps				
Passed through from:				
GA DEPT COMMUNITY AFFAIRS	94.006	11AFHGA0010003		(5,225)
JUMPSTART FOR YOUNG CHILDREN/ATLANTA, GA	94.006	#450200		(12,129)
Total Corporation for National Public Community			-	(17,354)
Department of Homeland Security				
State and Local Homeland Security National Training Program	97.005		155,277	257,640
Map Modernization Management Support	97.070			3,249,970
Homeland Security Testing, Evaluation, & Demonstration of Technologies	97.077		240,592	987,777
Homeland Security, Research, Testing, Evaluation, and Demonstration of Technologies	97.108			94,087
State and Local Homeland Security National Training Program				
Passed through from:				
ATL REGIONAL COMMISSION/	97.005	AG1630		30,776
BERRIEHILL RESEARCH CORP/DAYTON, OH	97.005	AQUA_S2212_GTARC		77,264
GEORGIA EMERGENCY MANAGEMENT AGENCY/ATLANTA, GA	97.005	57		121,536
GEORGIA EMERGENCY MANAGEMENT AGENCY/ATLANTA, GA	97.005	58		54,140
GEORGIA EMERGENCY MANAGEMENT AGENCY/ATLANTA, GA	97.005	60		323,596
GEORGIA EMERGENCY MANAGEMENT AGENCY/ATLANTA, GA	97.005	61		174,924
GEORGIA EMERGENCY MANAGEMENT AGENCY/ATLANTA, GA	97.005	62		111,378
IJIS INSTITUTE/ASHBURN, VA	97.005	302-GTRI-PI-P3-01		22,301
IJIS INSTITUTE/ASHBURN, VA	97.005	TO NO. 5 DATED 12-SEP-2016		7,153
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	97.005	141999		51,535
STEVENS INST OF TECHNOLOGY/	97.005	TASK ORDER 0075, RT-175		22,521
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	97.005	134071		126,157
ZETA ASSOCIATES INC//FAIRFAX, VA	97.005	173118LS-GTARC-01		98,971

See accompanying notes to Schedule of Expenditures of Federal Awards.

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

FOR THE YEAR ENDED JUNE 30, 2017

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Centers for Homeland Security				
Passed through from:				
GEORGIA STATE UNIV/ATLANTA, GA	97.061	SP00011250-01		29,066
INTAN TECHNOLOGIES/LOS ANGELES, CA	97.061	AGT DTD JULY 31, 2014		22,719
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	97.061	4112-31802		11,716
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	97.061	P001955401		100,355
Bio-Preparedness Collaboratory				
Passed through from:				
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA,CA	97.122	5-52937 PRIME # GM103368-05		83,537
Total Department of Homeland Security			395,869	6,059,119
Agency for International Development				
USAID Foreign Assistance for Programs Overseas				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	98.001	T519239		66,081
FHI 360/DURHAM, NC	98.001	#PO16003387	83,247	521,834
Total Agency for International Development			83,247	587,915
Total Research and Development-Cluster			72,739,129	592,958,874
Student Financial Assistance-Cluster:				
Department of Education				
Federal Supplemental Educational Opportunity Grants	84.007			444,484
Federal Work-Study Program	84.033			558,696
Federal Perkins Loan Program_Federal Capital Contributions	84.038			7,424,686
Federal Pell Grant Program	84.063			10,119,438
Federal Direct Student Loans	84.268			83,259,385
Total Department of Education			-	101,806,689
Total Student Financial Assistance-Cluster			-	101,806,689
Other Programs:				
Department of Agriculture				
Agriculture and Food Research Initiative (AFRI)	10.310			3,334
Total Department of Agriculture			-	3,334
Department of Commerce				
Cluster Grants	11.020			187,369
Science and Research Park Development Grants	11.030		199,353	251,822
Economic Development_Support for Planning Organizations				
Passed through from:				
NORTHWEST GEORGIA REGIONAL COMMISSION/ROME, GA	11.302	AGR DTD 12/5/16		29,761
Economic Adjustment Assistance	11.307			(19,274)
Trade Adjustment Assistance	11.313		273,129	981,488
Manufacturing Extension Partnership	11.611		1,153	2,718,291
Minority Business Resource Development	11.802		40,000	150,974
MBDA Business Center	11.805			213,745
Total Department of Commerce			513,635	4,514,176
Department of the Navy				
Basic and Applied Scientific Research	12.300			7,826
Total Department of the Navy			-	7,826
Department of the Army				
Basic Scientific Research	12.431			28,356

See accompanying notes to Schedule of Expenditures of Federal Awards.

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

FOR THE YEAR ENDED JUNE 30, 2017

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Passed through from: BATTELLE	12.431	PO# 546487		16,167
Total Department of the Army			-	44,523
Department of Defense				
ROTC Language and Culture Training Grants Passed through from: INSTITUTE OF INTERNATIONAL EDUCATION/WASHINGTON, DC	12.357	P.O.#2603-GT-16-GO-051-PO3		343,202
Basic, Applied, and Advanced Research in Science and Engineering	12.630			485,283
Total Department of Defense			-	828,485
Department of Labor				
H-1B Job Training Grants	17.268		23,000	32,378
Trade Adjustment Assistance Community College and Career Training (TAACCTT) Grants	17.282			151,831
WIA/WIOA Adult Program Passed through from: GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.258	AGR DTD 1/15/16		92,555
WIA/WIOA Dislocated Worker Formula Grants Passed through from: GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.278	1		38,416
GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.278	3		19,693
Total Department of Labor			23,000	334,873
Department of Transportation				
Highway Training and Education	20.215			111,170
Total Department of Transportation			-	111,170
Library of Congress				
Books for the Blind and Physically Handicapped	42.001			511,158
Total Library of Congress Total			-	511,158
National Aeronautics and Space Administration				
Aeronautics	43.002			103,543
Education	43.008			95,570
Cross Agency Support	43.009			10,078
Space Technology	43.012			19,910
Science Passed through from: UNIVERSITY OF COLORADO/BOULDER, CO	43.001	155694		23,511
Total National Aeronautics and Space Administration			-	252,612
M. National Endowment for the Arts				
National Leadership Grants	45.312			12,554
Total M. National Endowment for the Arts			-	12,554
National Science Foundation				
Education and Human Resources Passed through from: KENNESAW STATE UNIVERSITY/MARIETTA, GA	47.076	431204-12-01		36,873
Total National Science Foundation			-	36,873
Department of Environmental Protection Agency				
Science To Achieve Results (STAR) Fellowship Program	66.514			22,506
Total Department of Environmental Protection Agency			-	22,506
Nuclear Regulatory Commission				

See accompanying notes to Schedule of Expenditures of Federal Awards.

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

FOR THE YEAR ENDED JUNE 30, 2017

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008			234,799
Total Nuclear Regulatory Commission			-	234,799
Department of Energy				
Office of Science Financial Assistance Program	81.049			247,643
Nuclear Energy Research, Development and Demonstration	81.121			213,446
Office of Science Financial Assistance Program				
Passed through from:				
Krell DOE-NNSA SSGF	81.049	Krell 1		46,632
Krell Institute	81.049	Krell 2		30,809
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000134863		7,231
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000136542		6,000
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000145143		3,000
Total Department of Energy			-	554,761
Department of Education				
Graduate Assistance in Areas of National Need	84.200			148,016
Centers for International Business Education	84.220			304,895
Gaining Early Awareness and Readiness for Undergraduate Programs	84.334		8,480	401,447
Rehabilitation Services_Vocational Rehabilitation Grants to States				
Passed through from:				
REHABILITATIVE ENGR & ASSISTIVE TECH SOCIETY OF NA/ ARLINGTON, VA	84.126	#128046		6,593
Gaining Early Awareness and Readiness for Undergraduate Programs				
Passed through from:				
US DEPT OF EDUCATION/GENERAL	84.334	P378A13009	(160)	(160)
Supporting Effective Instruction State Grant (formerly Improving Teacher Quality State Grants)				
Passed through from:				
UNIVERSITY OF GEORGIA	84.367	RH216-352 / S001010		51,070
UNIVERSITY OF GEORGIA/ATHENS, GA	84.367	RH216-343 / 5054426		55
UNIVERSITY OF GEORGIA/ATHENS, GA	84.367	RH216-352/S001011		30,734
UNIVERSITY OF GEORGIA/ATHENS, GA	84.367	RH216-361/S001357		18,727
Total Department of Education			8,320	961,377
Department of Health and Human Services				
Alzheimer's Disease Demonstration Grants to States	93.051			9,306
ACL Assistive Technology	93.464		200,709	675,408
Special Projects of National Significance	93.928			(35,380)
Preventive Health and Health Services Block Grant	93.991			40,314
Total Department of Health and Human Services			200,709	689,648
Homeland Security				
Homeland Security Preparedness Technical Assistance Program	97.007			43,685
Homeland Security Grant Program				
Passed through from:				
GEORGIA EMERGENCY MANAGEMENT AGENCY/ATLANTA, GA	97.067	AGR DTD 9/22/15		5,781
GEORGIA EMERGENCY MGMT & HOMELAND SECURITY AGCY/ ATLANTA, GA	97.067	SHO16-058		861
Total Homeland Security			-	50,327
Total Other Programs			745,664	9,171,002
Total Expenditures of Federal Awards			\$ 73,484,793	\$ 703,936,565

See accompanying notes to Schedule of Expenditures of Federal Awards.

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

FOR THE YEAR ENDED JUNE 30, 2017

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 this schedule is presented in accordance with the requirements of the Uniform Guidance. Therefore, some amounts presented in this schedule 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 GIT, it is not intended to and does not present either the financial position, changes in fund balances, or cash flows of 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 percent de minimis indirect cost rate as allowed under the Uniform Guidance.

Note 2—Catalog of Federal Domestic Assistance (“CFDA”) numbers

CFDA numbers that are available for each federal award program are indicated on the schedule of expenditures of federal awards.

Note 3—Student financial aid expenditures

Expenditures for student financial aid programs include the Federal Pell grants to students, the federal share of students’ Federal Supplemental Educational Opportunity Grant (“FSEOG”) program grants, the Federal Work Study (“FWS”) program earnings, certain other federal financial aid for students, and administrative cost allowances, where applicable. During the fiscal year ended June 30, 2017, GIT disbursed \$83,259,325 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, 2017, GIT disbursed \$991,837 in new loans under the Federal Perkins Loan Program. The balance of loans outstanding under the Federal Perkins Loan program was \$6,204,205 as of June 30, 2017.

Note 4—Contingencies

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

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

FOR THE YEAR ENDED JUNE 30, 2017

I. Summary of the Auditor's Results

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

The auditor's report expresses an unmodified opinion on the financial statements of the Georgia Tech Research Corporation and the Georgia Tech Applied Research Corporation.

No significant deficiencies in internal control over financial reporting which would be required to be reported in the Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards* were reported as a result of the audit.

No instances of noncompliance material to the financial statements of the Georgia Tech Research Corporation and the 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 expresses an unqualified opinion on the financial statements of the Georgia Institute of Technology for the year ended June 30, 2017, and has issued reports thereon and reports on internal control structure and compliance with laws and regulations based on its audit of the financial statements dated December 19, 2017.

No significant deficiencies in internal control over financial reporting which would be required to be reported in the Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of Financial Statements Performed in Accordance with *Government Auditing Standards* were reported by the State of Georgia Department of Audits and Accounts.

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 audit.

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 unqualified opinion on all major programs.

No significant deficiencies in internal control over compliance applicable to major federal award programs which would be required to be reported in the Report on Compliance with Requirements Applicable to Each Major Program and on Internal Control over Compliance in Accordance with Section 200.516 of *Uniform Guidance* were reported as a result of the audit.

The audit disclosed no findings required to be reported in accordance with Section 200.516 of *Uniform Guidance*.

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

FOR THE YEAR ENDED JUNE 30, 2017

I. Summary of the Auditor's Results - Continued

Identification of Major Programs

The programs tested as major program were:

<u>CFDA #</u>	<u>Name of Federal Program</u>
Various	Research and Development Cluster

The dollar threshold for Type A programs was \$3,000,000.

The auditee did qualify as a low-risk auditee.

II. Financial Statement Findings

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

None

Financial Statement Finding – Georgia Institute of Technology

None

III. Federal Award Findings and Questioned Costs

None