

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

COMPLIANCE REPORTS

For the Year Ended June 30, 2018

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, 2018, 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, 2018.

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.

Cherry Bekaert LLP

Atlanta, Georgia
September 12, 2018

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, 2018. 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 18, 2018, 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, 2018.

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, 2018, and the related notes to the financial statements, which collectively comprise GTRC's basic financial statements. We issued our report thereon dated September 12, 2018, 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, 2018, 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 November 17, 2018. We did not audit the financial statements of Georgia Institute of Technology which represent approximately 33% 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 Bekaert LLP

Atlanta, Georgia

January 31, 2019, except for the Schedule of Expenditures of Federal Awards,
as to which the date is September 12, 2018.

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

YEAR ENDED JUNE 30, 2018

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			\$ 3,504
Agriculture and Food Research Initiative (AFRI)	10.310		\$ 167,460	569,369
Forestry Research	10.652			43,955
Wood Utilization Assistance	10.674			62,877
Law Enforcement Agreements	10.704			2,862
Specialty Crop Block Grant Program - Farm Bill				
Passed through from:				
GEORGIA DEPARTMENT OF AGRICULTURE/ATLANTA, GA	10.170	AGR DTD 10/2/14		13,910
Agriculture and Food Research Initiative (AFRI)				
LSU/BATON ROUGE, LA	10.310	PO-0000037155		43,955
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	10.310	A005124701		99,238
U.S ENDOWMENT FOR FORESTRY AND COMMUNITIES/ GREENVILLE, SC	10.310	E18-16		17,821
Sun Grant Program				
Passed through from:				
UNIVERSITY OF TENNESSEE	10.320	9500070415		727
Forestry Research				
Passed through from:				
U.S ENDOWMENT FOR FORESTRY AND COMMUNITIES/ GREENVILLE, SC	10.652	P3-2		36,233
U.S ENDOWMENT FOR FORESTRY AND COMMUNITIES/ GREENVILLE, SC	10.652	E17-22		102,965
Total Department of Agriculture			167,460	997,416
Department of Commerce				
Economic Development-Technical Assistance	11.303			120,026
Climate and Atmospheric Research	11.431			193,231
Measurement and Engineering Research and Standards	11.609		7,120	310,163
Science, Technology, Business and/or Education Outreach	11.620			293,201
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		12,022
Sea Grant Support				
Passed through from:				
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	RR746-096/S001611		23,225
UNIVERSITY OF GEORGIA/ATHENS, GA	11.417	RR746-096/S001612		122
Coastal Zone Management Administration Awards				
Passed through from:				
GA DEPT NATURAL RESOURCES/ Applied Meteorological Research	11.419	AGR T 8/23/16		8,205
Passed through from:				
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	11.468	R01856		13,193
Measurement and Engineering Research and Standards				
Passed through from:				
CALIFORNIA MANUFACTURING TECHNOLOGY CONSULTING/TORRANCE, CA	11.609	70NANB16H313		89,528
LEHIGH UNIVERSITY/BETHLEHEM, PA	11.609	543580-78002		11,133
Total Department of Commerce			7,120	1,074,049
Department of the Army				
Basic and Applied Scientific Research	12.300			307,780
Military Medical Research and Development	12.420		50,362	443,782
Basic Scientific Research	12.431		3,849,702	30,060,990
Basic, Applied, and Advanced Research in Science and Engineering	12.630		3,699,440	27,297,192
Science, Technology, Engineering and Mathematics (STEM) Educational Program:				
Science, Mathematics And Research for Transformation (SMART)	12.631		51,526	1,312,995
Military Medical Research and Development				
Passed through from:				
E'OIR INCORPORATED/SPOTSLYVANIA, VA	12.420	LTR AGMT, DTD 01/08/2015		60,488
WAKE FOREST UNIVERSITY/WINSTON SALEM, NC	12.420	WFUHS 441052 ER-02		184,106
Basic Scientific Research				
Passed through from:				
ADVANCED TECHNOLOGY INTERNATIONAL/SUMMERVILLE, SC	12.431	2017-311A PA 5	1,947,258	3,865,377
ALTUS ARCHITECTURE STUDIOS/OMAHA, NE	12.431	AGR DTD 10.1.2015		(79)
ATA ENGINEERING INC/SAN DIEGO, CA	12.431	AGT DTD OCT 13, 2017		17,566
AUTONOMOUS SOLUTIONS INC./MENDON, UT	12.431	AGT DTD NOVEMBER 22, 2017		60,000
BAE SYSTEMS/NASHUA, NH	12.431	329420		163,577
BAE SYSTEMS/NASHUA, NH	12.431	899091-4		54,748
BATTELLE	12.431	US001-0000560752		188,171
BLACK RIVER SYSTEMS CO / UTICA, NY	12.431	AGR DTD 10/17/2017		27,800
BOEING AEROSPACE COMPANY	12.431	1177404		245,391
CORNELL UNIVERSITY/IITHACA, NY	12.431	76091-10525		348,625
DIGITAL ANALOG INTEGRATION INC./BETHESDA, MD	12.431	AGR DTD 10/23/17		32,423
DIGITAL ANALOG INTEGRATION INC/AUBURN, AL	12.431	AGMT DTD 18-NOV-2015		205,630
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.431	SB600004		346,289
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.431	TO 30		102,973
ENVISTACOM LLC/ATLANTA, GA	12.431	AGR DTD 11/07/16		20

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**

YEAR ENDED JUNE 30, 2018

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
GENERAL DYNAMICS	12.431	40239678		3,425
GRAF LLC/BLACKSBURG, VA	12.431	AGR DTD 01-05-17		52
HONEYWELL INTERNATIONAL/COONS RAPID, MN	12.431	3501701149E		12,362,717
IAP WORLDWIDE SERVICES/ABERDEEN PROVING GROUND, MD	12.431	JRS-000062		30,171
JACOBS TECHNOLOGY INC/FT. WALTON BEACH, FL	12.431	1153-01-00-02		530,021
LEIDOS INC	12.431	4102781916		433
MICROWAVE PACKAGING TECHNOLOGIES INC (MPT)/BREA, CA	12.431	W911W-14-C-0014		595
MILLENNITEK LLC./KNOXVILLE, TN	12.431	AGR DTD 09/25/2017		57,411
NANO TERRA INC/BRIGHTON, MA	12.431	AGR DTD 8/17/2013		3,252
NATIONAL ADVANCED MOBILITY CONSORTIUM/ANN ARBOR, MI	12.431	70-201708 T01		948,486
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	12.431	8502-GTRC		112,908
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	12.431	8504-GTRC		44,778
NEWTON CONSULTING AND ENGINEERING INC/TUCSON, AZ	12.431	NCEGTRI0316R23G		3,596
NORTH CAROLINA A&T STATE UNIV/GREENSBORO, NC	12.431	W900KK-16-R-0013		307,051
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	12.431	5274-GTRC-VLC-5328		20,033
ROLLS-ROYCE/INDIANAPOLIS, IN	12.431	15-05-03; P.O. # 5003424790		80,014
ROLLS-ROYCE/INDIANAPOLIS, IN	12.431	5003246516		22,705
SAIC	12.431	4600005751/5		182,141
SAIC	12.431	4600005751/6		40,785
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	AGR DATED 5/14/18		83,352
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR20160726 TO-003		(245,441)
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR20160954 TO-004		133,421
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR2017525 (JP02)		4,630
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR20180986		47,296
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	W900KK-15-D-0005		40,839
SIGMA TECH INC/HUNTSVILLE, AL	12.431	17PO-00014		147,069
SIGNATURE RESEARCH INC./CALUMET, MI	12.431	AGR DTD 04/11/17		94,622
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.431	2017-311 PROJECT AGREEMENT 01	396,060	939,462
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.431	2017-311 PROJECT AGREEMENT 02	483,229	1,198,685
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.431	2017-311 PROJECT AGREEMENT 03		610,719
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.431	2017-311 PROJECT AGREEMENT 04	132,578	435,344
UCLA/LOS ANGELES, CA	12.431	1000GSA785		156,958
UNIV OF ILLINOIS/URBANA, ILLINOIS	12.431	2010-04989-04 /051487-12673		17,080
UNIV OF MICHIGAN	12.431	3002805832		347,151
UNIV OF WASHINGTON/SEATTLE, WA	12.431	UWSC9715 P.O. # BPO 3109		134,034
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	12.431	46331-Z8425103		80,799
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	12.431	572622		2,295
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	12.431	UTA17-001078		61,219
UNIVERSITY OF WASHINGTON/SEATTLE, WA	12.431	UWSC9283		142,742
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: DHPC TECHNOLOGIES INC./WOODBRIDGE, NJ	12.630	SD01641-0002		31
Total Department of the Army			10,610,155	84,508,711
Department of the Navy				
Basic and Applied Scientific Research	12.300		15,795,550	53,821,112
Basic Scientific Research	12.431			69,708
Basic and Applied Scientific Research Passed through from:				
AMEWAS INC./LEXINGTON PARK, MD	12.300	PO17-00842		36,430
ATA ENGINEERING INC./HUNTSVILLE, AL	12.300	AGT DTD JULY 10, 2017		35,606
BAE SYSTEMS/NASHUA, NH	12.300	975057		31,743
BOEING RESEARCH & TECHNOLOGY/SEATTLE, WA	12.300	1451798		147,092
CINTEL INC./HUNTSVILLE, AL	12.300	AGT DTD OCT 16, 2017		32,960
COGNITIVE ENGINEERING RESEARCH INSTITUTE (CERI)/MESA, AZ	12.300	CERI GTRC 2017-2382		179,004
COMBUSTION RESEARCH AND FLOW TECHNOLOGY INC / HUNTSVILLE, AL	12.300	AGT DTD AUGUST 2, 2017		51,397
CONTINUUM DYNAMICS INC/EWING, NJ	12.300	AGT DTD OCT 10, 2017		16,768
ELECTRONIC WARFARE ASSOC/HERNDON, VA	12.300	P140003600		29,260
ENGILITY CORPORATION / BILLERICA, MA	12.300	PO-0016726		378,517
ENGILITY CORPORATION / BILLERICA, MA	12.300	PO-0017110		177,823
ENGILITY CORPORATION / BILLERICA, MA	12.300	PO-0017302		39,527
ENGINEERING RESEARCH AND ANALYSIS INC./DAYTON, OH	12.300	AGT DTD AUG 2, 2017		50,000
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	12.300	R01804		450
INNOVEERING LLC./RONKONKOMA, NY	12.300	AGT DTD NOV 1, 2017		19,907
J.F. TAYLOR INC./LEXINGTON PARK, MD	12.300	205576		8,425
JACOBS TECHNOLOGY INC/FT. WALTON BEACH, FL	12.300	NTP 9/8/17		876,302
LEIDOS INC/MCLEAN, VA	12.300	P010198214		14,066
LUNA INNOVATIONS/BLACKBURG, VA	12.300	AGR DTD 12/19/16		117,589
LUNA INNOVATIONS/BLACKBURG, VA	12.300	N68335-18-C-0402		2,359
MMA DESIGN LLC/BOULDER, CO	12.300	MILESTONE #2:PHASE1; FINAL DEL		26,514
NORTHROP GRUMMAN/BALTIMORE, MD	12.300	8140000893		11,724
NORTHWESTERN UNIVERSITY/EVANSTON, IL	12.300	SP0036191-PROJ0009974		(782)
PAE APPLIED TECHNOLOGIES LLC./PARK, MD	12.300	M600005982		58,017
PENDAR TECHNOLOGY/CAMBRIDGE, MA	12.300	AGR DTD 09/01/2017		35,907
PHYSICAL OPTICS CORPORATION/TORRANCE, CA	12.300	10003-GTRI		255,513
PRINCETON UNIVERSITY/PLAINSBORO, NJ	12.300	SUB0000041		58,368
RAYTHEON	12.300	4201706984		36,788
RICE UNIVERSITY/HOUSTON, TEXAS	12.300	R18684		45,337
SOAR TECHNOLOGY INC/ANN ARBOR, MI	12.300	AGR DTD 05/26/17		47,370
SOAR TECHNOLOGY INC/ANN ARBOR, MI	12.300	N688335-18-C-0415		2,153
SYSTEMS TECHNOLOGY INC/HAWTHORNE, CA	12.300	AGT DTD 03/31/2017		12,000

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**

YEAR ENDED JUNE 30, 2018

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
TUFTS UNIVERSITY/MEDFORD, MA	12.300	ONR029		273,251
TYBRIN CORPORATION/FT. WALTON BEACH, FL	12.300	CES-III-13-043	79,384	3,084,876
UNIV OF CALIFORNIA/SAN DIEGO/LAJOLLA, CA	12.300	43019109		176,030
UNIV OF WASHINGTON/SEATTLE, WA	12.300	#UWSC9065		113,438
UNIVERSITY OF CONNECTICUT/STORRS, CT	12.300	176432		62,591
UNIVERSITY OF CONNECTICUT/STORRS, CT	12.300	184733		78,332
UNIVERSITY OF MARYLAND/COLLEGE PARK, MD	12.300	43832-Z8995001		115,344
UNIVERSITY OF SOUTH CAROLINA/COLUMBIA, SC	12.300	18-3437		31,582
UNIVERSITY OF SOUTHERN CALIFORNIA/LOS ANGELES, CA	12.300	51110592		3,070
WAKE FOREST UNIVERSITY	12.300	Wake Forest-01		20,532
ZETA ASSOCIATES INC / FAIRFAX, VA	12.300	090051SC-GTARC-01		148,861
Basic Scientific Research				
Passed through from:				
JACOBS TECHNOLOGY INC/FT. WALTON BEACH, FL	12.431	Jacobs-01		3,975
Total Department of the Navy			15,874,934	60,836,836
Department of the Air Force				
Basic and Applied Scientific Research	12.300			1,260,311
Basic Scientific Research	12.431		4,284,009	26,423,777
Basic, Applied, and Advanced Research in Science and Engineering	12.630		1,340,525	9,828,181
Air Force Defense Research Sciences Program	12.800		31,480,538	162,707,041
Basic Scientific Research				
Passed through from:				
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR20180211 (JP03)		13,081
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.431	SR20180865		64,802
Air Force Defense Research Sciences Program				
Passed through from:				
AGING AIRCRAFT CONSULTING LLC/WARNER ROBINS, GA	12.800	AGMT DTD 3/31/17		31,912
AGING AIRCRAFT CONSULTING LLC/WARNER ROBINS, GA	12.800	AGR DTD 10/02/2017		45,916
ALION SCIENCE AND TECHNOLOGY CORP/MCLEAN, VA	12.800	STM1139913		(15)
AMERICAS MAKES	12.800	#129247	134,925	134,925
ATK ALLIANT TECHSYSTEMS INC/PLYMOUTH, MN	12.800	MP00139150		499
ATK ALLIANT TECHSYSTEMS INC/PLYMOUTH, MN	12.800	MP00175454		15,681
AURA TECHNOLOGIES LLC./RALEIGH, NC	12.800	AGR DTD 11/14/17		36,406
AZIMUTH CORPORATION/BEAVERCREEK, OH	12.800	238-5404-GIT		(68)
AZIMUTH CORPORATION/BEAVERCREEK, OH	12.800	238-5404-GIT2		285,943
BAE SYSTEMS/NASHUA, NH	12.800	944838		1,412
BAE SYSTEMS/NASHUA, NH	12.800	994129		63,554
BERRIEHILL RESEARCH CORP/DAYTON, OH	12.800	2204		65,071
BINGHAMTON UNIVERSITY/BINGHAMTON, NY	12.800	77723/1138629		217,847
BOEING/PHANTOM WORKS BERKELEY, MO	12.800	1404360		393,591
BOOZ, ALLEN AND HAMILTON INC	12.800	106445SB18		498,445
BOOZ, ALLEN AND HAMILTON INC	12.800	106445SB18/TASK ORDER 2		(2,255)
CARNEGIE MELLON INSTITUTE/PITTSBURGH, PA	12.800	1150119-299956		47,613
CASE WESTERN RESERVE UNIVERSITY/CLEVELAND, OH	12.800	RESS06638		(1,914)
CLARKSON AEROSPACE/HOUSTON, TX	12.800	13-S7700-02-C2		68,789
CLARKSON AEROSPACE/HOUSTON, TX	12.800	GTRI CS 15-S-0234		113
CLEAR CREEK APPLIED TECHNOLOGIES/FAIRBORN, OH	12.800	4050-015-01-015		411,334
CLEAR CREEK APPLIED TECHNOLOGIES/FAIRBORN, OH	12.800	4050-015-01-021		275,021
COMBUSTION RESEARCH AND FLOW TECHNOLOGY INC / HUNTSVILLE, AL	12.800	AGT DTD NOVEMBER 27, 2017		24,821
COMBUSTION SCIENCE AND ENGINEERING LTD	12.800	AGT DTD 12/28/2015		130,370
ERC INC	12.800	PS160094		38,183
EXOANALYTIC SOLUTIONS/MISSION VIEJO, CA	12.800	AGT DTD APRIL 20, 2018		49,000
GRAF LLC/BLACKSBURG, VA	12.800	GTRI-GRAF 133750		11,566
HEWLETT PACKARD ENTERPRISE COMPANY/PALO ALTO, CA	12.800	CW2275049		103,735
INNOVATIVE ADVANCED MATERIALS INC/HAMPTON, GA	12.800	AGT DTD JULY 6, 2016		(4,994)
INNOVATIVE ADVANCED MATERIALS INC/HAMPTON, GA	12.800	AGR. EFF. AUGUST 14, 2017		44,993
IOWA STATE UNIVERSITY/AMES, IA	12.800	130186		62,820
JT3 LLC	12.800	4W16000006		318
KARAGOZIAN AND CASE STRUCTURAL ENGINEERS/GLENDALE, CA	12.800	AGT DTD DECEMBER 23, 2016		84,761
L3 COMMUNICATIONS/ROCKWALL, TEXAS	12.800	4501494922		49,202
L3 DISPLAY SYSTEMS/ALPHARETTA, GA	12.800	A119893		9,589
LOCKHEED MARTIN/FORT WORTH, TX	12.800	6574008559		663,617
LOCKHEED MARTIN/FORT WORTH, TX	12.800	6574019754		29,470
MASSTECH INC./COLUMBIA, MD	12.800	FA8650-17-C-9104-GT		244,654
MATRIX RESEARCH AND ENGINEERING / DAYTON, OH	12.800	TASK ORDER 01		6,490
MATRIX RESEARCH AND ENGINEERING / DAYTON, OH	12.800	TASK ORDER 02		244,959
MATRIX RESEARCH AND ENGINEERING / DAYTON, OH	12.800	ESCE-002		198,750
MATRIX RESEARCH AND ENGINEERING / DAYTON, OH	12.800	S-2014-011-02-03		123,133
MITRE CORPORATION/BEDFORD, MA	12.800	118198		25,000
NEXTFLEX/SAN JOSE, CA	12.800	AGREEMENT DATED 21-FEB-2017		391,775
NORTHROP CORPORATION	12.800	7500119051		581,828
NORTHROP GRUMMAN SYSTEMS CORP/MCLEAN, VA	12.800	7500157027		265,247
NORTHROP GRUMMAN/HUNTSVILLE, AL	12.800	7500136376		179,537
OHIO AEROSPACE INSTITUTE/CLEVELAND, OH	12.800	OAI-VATO2-17005		87,849
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	12.800	4791-GIT-AFOSR-0004		84,127
PENNSYLVANIA STATE UNIV/UNIV PARK, PA	12.800	5676-GTRC-AFOSR-0017		56,771
PHYSICAL SCIENCES INC/ANDOVER, MA	12.800	AGR 9/21/17		6,042
PRATT & WHITNEY AIRCRAFT	12.800	24102 TASK 24		173,999
RAYTHEON/BBN SYSTEM AND TECHNOLOGIES/CAMBRIDGE, MA	12.800	14787		145,701
RELIANCE TEST AND TECHNOLOGY/HOLLOMAN, AFB, NM	12.800	R17N0095		571,387
ROCCOR/LONGMONT	12.800	Roccor1		8,866

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SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.800	TO-004		481,342
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.800	TO SR20171847		294,490
SENTAR INC./HUNTSVILLE, AL	12.800	AGR DTD 04/12/17		216,411
SOSSEC/ATKINSON, NH	12.800	1 (PLA-0011)	168,852	593,277
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.800	2016-404	1,585	18,894
SOUTHWEST RESEARCH INSTITUTE	12.800	J99080CT		43,474
SPECTRAL ENERGIES LLC / DAYTON, OH	12.800	AGT DTD 08/30/16		(3,185)
SPECTRAL ENERGIES LLC / DAYTON, OH	12.800	AGT DTD 9/6/2017		49,980
SPECTRAL ENERGIES LLC / DAYTON, OH	12.800	SB1717-001-1		107,093
SSAI/MELBOURNE, FL	12.800	DESP-093-RJ02-01		169,196
STATE UNIV OF NEW YORK/ALBANY, NY	12.800	AGR DTD 3/16/2017		132,593
SURVICE ENGINEERING CO/BELCAMP, MD	12.800	LTR SUBCONTRACT DTD 6/25/14		139,539
TEKLA RESEARCH INC/DUMFRIES, VA	12.800	TRI-17-002		29,851
UES INC/DAYTON, OH	12.800	S-124-001-004		303,987
UES INC/DAYTON, OH	12.800	S-953-21-MR015		62,245
UES INC/DAYTON, OH	12.800	S-953-21-MR016		154,661
UES INC/DAYTON, OH	12.800	S-114-005-010		50,000
UES INC/DAYTON, OH	12.800	S-977-028-003		43,732
UNITED TECHNOLOGY CORPORATION/DAYTON, OH	12.800	17-S8602-02-C3		87,305
UNIV OF CENTRAL FL	12.800	287381		363,575
UNIVERSAL TECHNOLOGY CORP/ DAYTON, OH	12.800	17-S7415-08-C1		24,000
UNIVERSAL TECHNOLOGY CORP/ DAYTON, OH	12.800	17-S7700-01-C4		269,080
UNIVERSAL TECHNOLOGY CORP/ DAYTON, OH	12.800	17-S8401-03-C1		63,652
UNIVERSITY OF CALIFORNIA	12.800	2015-3219/ PO#45933		226,886
UTAH STATE UNIVERSITY/LOGAN, UTAH	12.800	CP0043229		22,919
WYLE LABORATORIES	12.800	APSC02292		39,080
WYLE LABORATORIES	12.800	LXS005518		11,620
Total Department of the Air Force			37,410,434	211,576,276
Department of Defense				
Basic and Applied Scientific Research	12.300			12,637,919
Basic Scientific Research - Combating Weapons of Mass Destruction	12.351		115,349	1,347,689
Basic Scientific Research	12.431			343,899
Basic, Applied, and Advanced Research in Science and Engineering Research and Technology Development	12.630		2,351,341	84,257,676
Basic Scientific Research - Combating Weapons of Mass Destruction	12.910		221,997	1,305,211
Passed through from:				
MONTEREY INSTITUTE OF INTERNATIONAL STUDIES/MONTEREY, CA	12.351	DTRA GTARC 1		191,339
Basic Scientific Research				
Passed through from:				
METOVA FEDERAL LLC./CABOT, AR	12.431	135954		3,803
Basic, Applied, and Advanced Research in Science and Engineering				
Passed through from:				
ALION SCIENCE AND TECHNOLOGY CORP/MCLEAN, VA	12.630	SUB1148651-001 TO NO. 001		24,811
ATC-NY INC/ITHACA, NY	12.630	W56L GU-16-C-0083		27,741
BAE SYSTEMS/NASHUA, NH	12.630	957935		281,294
BAE SYSTEMS/NASHUA, NH	12.630	992051		41,893
BINERGY SCIENTIFIC INC/SALT LAKE CITY, UT	12.630	AGR DTD 08-16-2017		24,641
BINERGY SCIENTIFIC INC/SALT LAKE CITY, UT	12.630	AGR DTD 09/30/16		(12,540)
BOEING/MESA, AZ	12.630	1542655		73,604
CAMBRIDGE SYSTEMATICS INC./RALEIGH, NC	12.630	TBD TASK ORDER # 2		75,593
CARBICE NANOTECHNOLOGIES INC/ATLANTA, GA	12.630	AGMT, DTED 9/8/16		65,375
DHPC TECHNOLOGIES INC./WOODBRIIDGE, NJ	12.630	D161130-01		2,272
DOOLITTLE INSTITUTE/TAMPA, FL	12.630	138132		32,254
DUKE UNIVERSITY/DURHAM, NC	12.630	313-0639		513,601
DYNETICS INCORPORATED	12.630	DI-SC-16-01 TASK ORDER 21		14,069
DYNETICS INCORPORATED	12.630	SB500011		53
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-15-05 / TO 03		47,135
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-15-05 TO4		638,696
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-16-01 TASK ORDER 81		191,015
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-16-01/TO 101		82,811
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-16-01/TO 72		234,045
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-16-01/TO 73		75,504
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-16-01/TO 74		89,724
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-16-01/TO 76		173,644
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-16-01/TO 91		365,239
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	DI-SC-17-22-NTP		129,253
DYNETICS INCORPORATED/HUNTSVILLE, AL	12.630	TASK ORDER 02		125
DZYNE TECHNOLOGIES INC./IRVINE, CA	12.630	DRP006-SUB_GT001; PHASE 2		253,776
EMORY UNIVERSITY/ATLANTA, GA	12.630	T803614		287,898
ENGLITY CORPORATION / BILLERICA, MA	12.630	PO-0016317		269,278
ERC INC	12.630	PS160005		8,789
EXCET INC/SPRINGFIELD, VA	12.630	PO 6944		19,998
GE GLOBAL RESEARCH/NISKAYUNA, NY	12.630	401048011		(1,486)
HARRIS CORPORATION	12.630	A000388201		9,735
HONEYWELL INC	12.630	3501700183E		304,007
INFOSCITEX CORPORATION/ DAYTON, OH	12.630	PO 161754		5,049
INTERNATIONAL BUSINESS INNOVATION ASSOCIATION/ORLANDO, FL	12.630	UNDEFINED		20,000
JACOBS TECHNOLOGY INC/FT. WALTON BEACH, FL	12.630	4/20/17 NOTICE TO PROCEED		74,637
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	12.630	125083		5,730
KARAGOZIAN AND CASE STRUCTURAL ENGINEERS/GLENDALE, CA	12.630	AGT DTD MAY 29, 2017		15,093
LEIDOS INC	12.630	10170252-1		199,456
LEIDOS INC	12.630	P010176583		15,149

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LEIDOS INC	12.630	P010179649		73,065
LEIDOS INC	12.630	P010192863		1,538,940
MACAULEY-BROWN INC	12.630	DSC 2124-01		258,677
METOVA FEDERAL LLC./CABOT, AR	12.630	PO CBL-048		(31)
MICROSEMI CORPORATION/ALISO VIEJO, CA	12.630	PB92205BV	113,591	953,397
MIDDLEBURY INSTITUTE OF INTERNATIONAL STUDIES/ MONTEREY, CA	12.630	CWMD-GTARC 1		37,300
MORSECORP INC./CAMBRIDGE, MA	12.630	ICARUS-1-06		21,822
MORSECORP INC./CAMBRIDGE, MA	12.630	ICARUS-2-01		135,946
NATIONAL CENTER FOR MANUFACTURING SCIENCES / ANN ARBOR, MI	12.630	201726-130194		77,375
NORTHROP GRUMMAN SYSTEMS CORP/EL SEGUNDO, CA	12.630	8140000981		98,068
NORTHROP GRUMMAN/BALTIMORE, MD	12.630	LINE ITEM 200 FOR PHASE 2		76,507
NOUR LLC./WILMETTE/IL	12.630	AGT DTD JULY 6, 2016		(32,000)
NOVATEUR RESEARCH SOLUTIONS/LEESBURG, VA	12.630	HM0476-17-C-0033		25,359
OHIO STATE UNIVERSITY/COLUMBUS, OH	12.630	60063184 (FORMERLY 60057838)		292,578
PHOSPHOR TECH CORPORATION/MABLETON, GA	12.630	AGE DTD 03/10/16		93,689
PHOSPHOR TECH CORPORATION/MABLETON, GA	12.630	AGR DTD 8/4/2017		89,932
POLY-ORTH INTERNATIONAL/SHARON, MA	12.630	AGRMT DTD 12/23/16	65,308	201,810
RAYTHEON	12.630	0010102015		402,622
RAYTHEON	12.630	4201579340		74,743
SAIC	12.630	PO10105875		143,137
SANOFI PASTEUR	12.630	70040-GATECH	27,760	136,392
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.630	SR20130873		9,485
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	12.630	SR20171482 (JP03)		1,573,296
SIEMENS CORPORATE RESEARCH/PRINCETON, NJ	12.630	GRP122-01		11,313
SMARTRONIX INC./HOLLYWOOD, MD	12.630	17R14S, TASK ORDER #01		3,339,001
SOUTH CAROLINA RES AUTH/CHARLESTON, SC	12.630	PROJECT TASK ASSIGNMENT 1		24,773
SPACEWORKS ENTERPRISES/ATLANTA, GA	12.630	AGT DTD APR 9, 2018		1,987
STEVENS INST OF TECHNOLOGY	12.630	TASK ORDER 0067, RT-167		30,488
STEVENS INST OF TECHNOLOGY	12.630	2102765-01		2,746
STEVENS INST OF TECHNOLOGY	12.630	HQ003418F0089 RT 195		58,635
STEVENS INST OF TECHNOLOGY	12.630	TASK ORDER 0070, RT-170		96,769
STEVENS INST OF TECHNOLOGY	12.630	TO # HQ003417F0283, RT-181		70,324
STEVENS INST OF TECHNOLOGY	12.630	TO# HQ003417F0286, RT-180		19,566
STEVENS INST OF TECHNOLOGY	12.630	TO# HQ003417F0300, RT-182		132,339
SYSTEM HIGH/ ARLINGTON, VA	12.630	DAR 621		67,194
THE BOEING COMPANY/ST. LOUIS, MO	12.630	AGT DTD JULY 14 2016		46,087
TORCH TECHNOLOGIES INC/HUNTSVILLE, AL	12.630	BA9811646		51
UI LABS/CHICAGO, IL	12.630	0320170002	91,738	204,535
UI LABS/CHICAGO, IL	12.630	0320170004	44,696	137,925
UI LABS/CHICAGO, IL	12.630	0320170007		102,671
UNIVERSAL TECHNOLOGY CORP/ DAYTON, OH	12.630	16-S8206-02-C1		62,792
UNIVERSITY OF MICHIGAN	12.630	3002565188		89,201
UNIVERSITY OF NOTRE DAME/SOUTH BEND, IN	12.630	208107GT		277,815
UTAH STATE UNIVERSITY/LOGAN, UTAH	12.630	CP0049402		12,582
WEST COAST SOLUTIONS/HUNTINGTON BEACH, CA	12.630	AGR DTD 4-20-18		626
WYLE LABORATORIES	12.630	AFSC02082		34,511
WYLE LABORATORIES	12.630	APSCCO2077		11,307
Research and Technology Development				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	12.910	T680127		129,391
HONEYWELL INC	12.910	PO 3501541994		126
IBM Thomas J. Watson Research Center	12.910	5004876066		326,816
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	12.910	4104-70902		11,069
RAYTHEON	12.910	4201579687		273,494
RUTGERS UNIVERSITY/PISCATAWAY, NJ	12.910	SUB00000007 PO# 624585		219,932
SIEMENS CORPORATE RESEARCH/PRINCETON, NJ	12.910	126-003		331,854
SRI INTERNATIONAL	12.910	206-000114		134,560
SYSTEM HIGH/ ARLINGTON, VA	12.910	DAR500		164,155
University of Colorado	12.910	FY18.920.001		75,956
Total Department of Defense			3,031,780	117,551,197
Department of the Interior				
Wildland Fire Research and Studies	15.232			38,745
Assistance to State Water Resources Research Institutes	15.805		49,841	94,154
Cooperative Research and Training Programs Resources of the National Park System	15.945			70,767
Research Grants (Generic)				
Passed through from:				
GALLUP/WASHINGTON, DC	15.650	D17PC00002		397,932
Total Department of the Interior			49,841	601,598
Department of Justice				
Law Enforcement Assistance_FBI Advanced Police Training	16.300			943
Law Enforcement Assistance_FBI Crime Laboratory Support	16.301			97,122
National Institute of Justice Research, Evaluation, and Development Project Grants	16.560		97,826	377,448
Edward Byrne Memorial Justice Assistance Grant Program	16.738			600,339
Regional Information Sharing Systems				
Passed through from:				
CRIMINAL INFORMATION SHARING ALLIANCE/FOLSOM, CA	16.610	001-98-07SA		230
Edward Byrne Memorial Competitive Grant Program				
Passed through from:				
UNIV OF ALABAMA/TUSCALOOSA, AL	16.751	UA15-034		1,739
Total Department of Justice			97,826	1,077,821

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Department of Labor				
Occupational Safety and Health-Susan Harwood Training Grants	17.502			127,114
Consultation Agreements	17.504			412,300
WIA/WIOA Adult Program				
Passed through from:				
GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.258	2		37,448
WIA/WIOA Dislocated Worker Formula Grants				
Passed through from:				
GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.278	TASK ORDER 2 DTD 7/23/2017		916,189
Total Department of Labor				1,493,051
Department of Transportation				
Aviation Research Grants	20.108			294,367
Air Transportation Centers of Excellence	20.109		8,086	1,450,644
Highway Planning and Construction	20.205		104,011	156,862
Highway Training and Education	20.215			6,203
University Transportation Centers Program	20.701		(1,490)	(1,490)
Research Grants	20.762			342,091
Aviation Research Grants				
Passed through from:				
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	20.108	X16-8329-GTRC		69,134
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	20.108	F18-808402-GTRC		10,751
Highway Research and Development Program				
Passed through from:				
THE NATIONAL ACADEMIES	20.200	HR 24-37/ SUB0000130	36,696	36,696
TRANSPORTATION RESEARCH BOARD/WASHINGTON, DC	20.200	NCHRP-187	1,021	33,052
TRANSPORTATION RESEARCH BOARD/WASHINGTON, DC	20.200	ACRP 11-04 2016-2017		2,483
University Transportation Centers Program				
Passed through from:				
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY/ROLIA, MO	20.701	00055082-02B		69,220
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY/ROLIA, MO	20.701	00055082-02A		77,396
TEXAS A & M UNIVERSITY/COLLEGE STATION, TX	20.701	12-S171237		148,197
UNIVERSITY OF TEXAS AT ARLINGTON/ARLINGTON, TX	20.701	CTEDD 017-04; TO #2C		23,916
UNIVERSITY OF TEXAS AT ARLINGTON/ARLINGTON, TX	20.701	CTEDD 017-03; TO# 2B		21,204
UNIVERSITY OF TEXAS AT ARLINGTON/ARLINGTON, TX	20.701	CTEDD 017-02; TO# 2A		52,060
Research Grants				
Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	20.762	17-166		242,001
TRANSPORTATION RESEARCH BOARD/WASHINGTON, DC	20.762	HR 08-102 ITEM 12		53,473
UNIVERSITY OF CALIFORNIA/DAVIS, CA	20.762	201302432-04; PO# 38352		355,661
UNIVERSITY OF CALIFORNIA/DAVIS, CA	20.762	201302432-05		8,808
UNIVERSITY OF CALIFORNIA/DAVIS, CA	20.762	A17-0183-S002		82,715
UNIVERSITY OF FLORIDA	20.762	University of Florida-01		2,530
UNIVERSITY OF FLORIDA	20.762	UFDSP00011673-AMEND 1		60,188
UNIVERSITY OF FLORIDA	20.762	UFDSP00011673-AMENDMENT 2		69,375
UNIVERSITY OF FLORIDA	20.762	UFDSP00011673 (AMEND 4)		1,578
Total Department of Transportation			148,324	3,669,115
National Aeronautics and Space Administration				
Science	43.001		1,725,023	8,897,522
Aeronautics	43.002		213,188	1,505,587
Exploration	43.003		113,220	372,808
Space Operations	43.007			178,177
Education	43.008		321,700	1,269,951
Cross Agency Support	43.009			156,961
Space Technology	43.012			701,772
Science				
Passed through from:				
AURORA FLIGHT SCIENCES/CAMBRIDGE, MA	43.001	AFSA4-2379		66,850
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	43.001	80007887-01UG		148,995
HARVARD UNIVERSITY/BOSTON, MA	43.001	TM7-18008X		55,272
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1538346		(10,894)
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1541852		(441)
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1579298		14,964
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1586278		82,513
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1586691		8,508
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1587199		12,958
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1587222		13,048
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1588482		2,987
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1595555		24,000
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.001	1596803		10,777
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	43.001	5710004050		203,506
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	601006		325,000
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.001	601025		144,656
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	43.001	4103-79588		7,837
SOUTHWEST RESEARCH INSTITUTE	43.001	699054X/15.12029		150,826
UCLA/LOS ANGELES, CA	43.001	2090-S-RB151		74,214
UNIVERSITY OF CALIFORNIA RIVERSIDE/RIVERSIDE, CA	43.001	S-000728		269,752
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	43.001	00009623		76,662
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	43.001	UTA14-001157		19,406
YALE UNIVERSITY/NEW HAVEN, CT	43.001	C16N12519 (CON80001051)		19,317

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Aeronautics				
Passed through from:				
ADVANCED ROTORCRAFT TECHNOLOGY INC./SUNNYVALE, CA	43.002	AGT DTD AUG 19, 2016		101,302
ANALYTICAL MECHANICS ASSOCIATES INC./HAMPTON, VA	43.002	1601-TEAMS-GEO		40,461
BOOZ, ALLEN AND HAMILTON INC	43.002	S900016BAH		567,345
CFD RESEARCH CORPORATION/HUNTSVILLE, AL	43.002	AGMT DTD 26-JUNE-2015		73,390
CROWN CONSULTING INC	43.002	TASK ORDER NO. 6		91,719
CROWN CONSULTING INC.	43.002	TASK ORDER NO. 01		322,104
CROWN CONSULTING INC/ARLINGTON, VA	43.002	G025-GATECH-001 TO 03		38,067
CROWN CONSULTING INC/ARLINGTON, VA	43.002	G025-GATECH-001 TO 04		15,502
CROWN CONSULTING INC/ARLINGTON, VA	43.002	TASK ORDER 02		78,450
CROWN CONSULTING INC/ARLINGTON, VA	43.002	TASK ORDER 03		61,488
CROWN CONSULTING INC/ARLINGTON, VA	43.002	TASK ORDER NO. 02		59,265
DNC PARKS & RESORTS AT KSC INC./KENNEDY SPACE CENTER, FL	43.002	13410		206,121
DNC PARKS & RESORTS AT KSC INC./KENNEDY SPACE CENTER, FL	43.002	TO 1 DTD 11/18/15	(5,018)	459,534
GE GLOBAL RESEARCH/NISKAYUNA, NY	43.002	401070378		85,850
GLOBAL TECHNOLOGY CONNECTIONS/ATLANTA, GA	43.002	AGT DTD AUG 2, 2017		21,000
IRVINE SENSORS CORPORATION/COSTA MESA, CA	43.002	AGR DTD 07/31/2017		38,500
IRVINE SENSORS CORPORATION/COSTA MESA, CA	43.002	AGT DTD OCT 5, 2017		80,327
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1548418		(3,576)
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1561404		49,807
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1562787		40,335
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1562866		(477)
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1570950		58,142
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1571450		24,000
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1574594		61,166
JET PROPULSION LAB/CALIFORNIA INST. OF TECH	43.002	1577710		35,009
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	43.002	134620 PROJECT # 1GA02		5,124
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	43.002	MSA # 115841		45,481
LMI/MCLEAN, VA	43.002	#1542		13
MAGNOLIA OPTICAL TECHNOLOGIES INC/WOBURN, MA	43.002	AGR DTD 06/20/17		24,998
NGIMAT/ATLANTA, GA	43.002	AGR DTD 08/07/2017		33,000
OHIO STATE UNIVERSITY	43.002	60061601		274,565
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	43.002	4103-83991		103,508
ROLLS-ROYCE	43.002	5100002879		106,273
SETI INSTITUTE	43.002	SC3131		35,132
SPACE TELESCOPE SCIENCE INSTITUTE	43.002	#HST-AR-13895.001-A		5,554
SPACE TELESCOPE SCIENCE INSTITUTE	43.002	HST-AR-143326.001		20,595
TETHERS UNLIMITED	43.002	AGT DTD OCT. 11, 2016		39,647
THE BOEING COMPANY/HUNTINGTON BEACH, CA	43.002	1435446		182,732
THE INNOVATION LABORATORY INC./PORTLAND, OR	43.002	AGR DTD 8.10.2016		(5,858)
TRACLABS/WEBSTER, TX	43.002	AGT DTD AUG 25, 2017		85,597
UNIVERSITY OF COLORADO/BOULDER, CO	43.002	1554484		13,721
UNIVERSITY OF CONNECTICUT/STORRS, CT	43.002	106763		68,706
UNIVERSITY OF MINNESOTA/ST. PAUL, MN	43.002	H006201401		27,533
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	43.002	#133480		14,191
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	43.002	GD10052 152367		92,473
UNIVERSITY SPACE RESEARCH ASSOC	43.002	08600-018		28,000
UNIVERSITY SPACE RESEARCH ASSOC	43.002	TO#3 - 08600.002.000.00		1,259
VIRTUAL AEROSURFACE TECHNOLOGIES	43.002	AGT DTD AUG 9 2017		10,000
XAVIER UNIVERSITY OF LA/NEW ORLEANS	43.002	OSP-15-216811-02A		223,835
Education				
Passed through from:				
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.008	201077-GTRC		69,385
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.008	201078-GTRC		90,209
NATIONAL INSTITUTE OF AEROSPACE/HAMPTON, VA	43.008	301001-GTRC		107,006
UNIVERSITY OF GEORGIA/ATHENS, GA	43.008	RR175-290/S001434		7,500
Space Technology				
Passed through from:				
MICHIGAN TECHNOLOGICAL UNIVERSITY/HOUGHTON, MICH	43.012	1607060Z4		108,382
Total National Aeronautics and Space Administration			2,368,113	19,226,883
The National Endowment for the Humanities				
Promotion of the Humanities, Division of Preservation and Access	45.149			41,355
Total The National Endowment for the Humanities				41,355
Institute of Museum and Library Services				
National Leadership Grants				
Passed through from:				
OREGON STATE UNIVERSITY/CORVALLIS, OR	45.312	X0159A-B		4,013
Total The National Endowment for Arts				4,013
National Science Foundation				
Engineering Grants	47.041		1,416,517	22,680,564
Mathematical and Physical Sciences	47.049		1,457,429	14,657,149
Geosciences	47.050		494,280	5,084,711
Computer and Information Science and Engineering	47.070		722,442	15,660,158
Biological Sciences	47.074		34,786	3,103,571
Social, Behavioral, and Economic Sciences	47.075		(987)	518,144
Education and Human Resources	47.076		282,370	10,942,472
Office of International Science and Engineering	47.079			159,206
Trans-NSF Recovery Act Research Support	47.082			(2,308)

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Engineering Grants				
Passed through from:				
AMERICAN SOCIETY FOR ENG EDU/WASHINGTON, DC	47.041	LTR DTD 8/28/17		6,000
ARIZONA STATE UNIVERSITY	47.041	15-741		647,444
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.041	17-098		191,491
CITY COLLEGE OF NEW YORK/NEW YORK, NY	47.041	40B88-B		1,710
CLEMSON UNIVERSITY/CLEMSON, SC	47.041	1825-206-2010995		75,140
COLUMBIA UNIVERSITY/NEW YORK, NY	47.041	1(GG13910)		280,655
EMORY UNIVERSITY	47.041	T191962		8,991
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	47.041	R01706		2,876
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	47.041	R01706		126,735
HARVARD UNIVERSITY/BOSTON, MA	47.041	124050-5104116		103,618
MA INSTITUTE OF TECHNOLOGY	47.041	5710002868	260,417	1,342,170
MICHIGAN STATE UNIVERSITY/EAST LANSING, MI	47.041	RC104008GTRC		66,963
MICHIGAN STATE UNIVERSITY/EAST LANSING, MI	47.041	RC105453GT		64,447
MOREHOUSE COLLEGE/ATLANTA, GA	47.041	PO# P0044575		1,028
NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	47.041	2017-2662-01		68,476
STATE UNIV OF NEW YORK AT BINGHAMTON/BINGHAMTON, NY	47.041	73033		87,630
TEACHERS COLLEGE - COLUMBIA UNIVERSITY/NEW YORK, NY	47.041	513147		52,871
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	47.041	00009367		29,200
UNIVERSITY OF CALIFORNIA/IRVINE, CA	47.041	#2016-3324		74,531
UNIVERSITY OF DAYTON RESEARCH INSTITUTE/DAYTON, OH	47.041	RSC17031		30,000
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	083276-16293/GRANT CODE AC291		71,412
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	#083276-16803		4,950
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.041	#083276-16801		1,138
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	47.041	A005261901		199,801
UNIVERSITY OF NEBRASKA/LINCOLN, NE	47.041	25-0521-0210-003		98,812
UNIVERSITY OF TEXAS AT AUSTIN	47.041	UTA15-001072		62,594
Mathematical and Physical Sciences				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	47.049	T662130 YEAR 5		54,206
EMORY UNIVERSITY/ATLANTA, GA	47.049	T820709		58,937
EMORY UNIVERSITY/ATLANTA, GA	47.049	T847513		248,422
UNIV. OF WISCONSIN - TRACE CENTER/MADISON, WI	47.049	632K273		49,524
Geosciences				
Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.050	18-369		22,586
DUKE UNIVERSITY/DURHAM, NC	47.050	#14-NSF-1074		94,593
UNIVERSITY OF CALIFORNIA/SAN DIEGO, CA	47.050	83829300		46,752
UNIVERSITY OF GEORGIA	47.050	RR534-098 / S001108		78,055
UNIVERSITY OF NEW HAMPSHIRE/DURHAM, NH	47.050	#14-059		44,538
UNIVERSITY OF SOUTHERN CALIFORNIA/LOS ANGELES, CA	47.050	91270817		5,879
Computer and Information Science and Engineering				
Passed through from:				
2M RESEARCH SERVICES LLC./ARLINGTON, TX	47.070	2017-NSF-10020		84,995
BROWN UNIVERSITY/PROVIDENCE, RI	47.070	00001039		13,112
COMPUTING RESEARCH ASSOCIATION/WASHINGTON, DC	47.070	CCC-GT-07012016		157,394
CORNELL UNIVERSITY/ITHACA, NY	47.070	72954-10595		11,971
EMORY UNIVERSITY/ATLANTA, GA	47.070	T674956		13,361
FLORIDA INTERNATIONAL UNIVERSITY/MIAMI, FL	47.070	800004907-02		218,761
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	47.070	5710004130		104,552
PEROXYGEN SYSTEMS INC/KNOXVILLE, TN	47.070	AGR DTD 12/11/17		13,684
RAYTHEON/BBN SYSTEM AND TECHNOLOGIES/CAMBRIDGE, MA	47.070	2008		185,476
SEARCH TECHNOLOGY INC	47.070	1645237		16,548
UNIV OF LOUISVILLE/LOUISVILLE, KY	47.070	ULRF 16-0870-01		17,481
UNIV OF NOTRE DAME/SOUTH BEND, IN	47.070	202917GT		268,151
UNIVERSITY OF CONNECTICUT/STORRS, CT	47.070	177479		8,257
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN	47.070	083276-16241/GRANT CODE AC291		78,974
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	2014-07138-01		53,997
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	2011-00318-31		(2,100)
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	15832		44,034
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	083842-16099		298,835
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	47.070	075958-16451		4,583
UNIVERSITY OF TEXAS AT AUSTIN/AUSTIN, TX	47.070	UTA17-001353		3,277
UNIVERSITY OF WASHINGTON/SEATTLE, WA	47.070	UWSC9939		51,281
UNIVERSITY OF WISCONSIN/MILWAUKEE, WI	47.070	183405342/144AAC6327		56,703
Biological Sciences				
Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.074	T.O. 1		127,433
EMORY UNIVERSITY/ATLANTA, GA	47.074	T806105		3,338
IOWA STATE UNIVERSITY/AMES, IA	47.074	420-61-87A		51,247
IOWA STATE UNIVERSITY/AMES, IA	47.074	420-62-61A		46,036
MONTANA STATE UNIVERSITY/BOZEMAN, MONTANA	47.074	G124-14-W4596		75,695
UNIVERSITY OF GEORGIA/ATHENS, GA	47.074	RR182-436/4945196		748
UNIVERSITY OF GEORGIA/ATHENS, GA	47.074	RR182-466/S001304;		69,218
Social, Behavioral, and Economic Sciences				
Passed through from:				
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.075	14-364		19,072
OLD DOMINION UNIVERSITY RESEARCH FOUNDATION/NORFOLK, VA	47.075	16-217-100580-010		108,568
EMORY UNIVERSITY/ATLANTA, GA	47.075	T610300		67,414

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Education and Human Resources				
Passed through from:				
KENNESAW STATE UNIVERSITY/MARIETTA, GA	47.076	431317-14-01		19,114
SEARCH TECHNOLOGY INC	47.076	STI-GTRC-14-1		10,729
GEORGIA STATE UNIV/ATLANTA, GA	47.076	SP00011669-01		39,649
UNIVERSITY OF COLORADO/BOULDER, CO	47.076	1554503		326,579
UNIVERSITY OF GEORGIA/ATHENS, GA	47.076	RR740019/S001256		111,776
ARIZONA STATE UNIVERSITY/TEMPE, AZ	47.076	17-231		137,701
UNIVERSITY OF ILLINOIS/CHICAGO, IL	47.076	087787-16516		1,768
Office of International Science and Engineering				
Passed through from:				
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	47.079	A003418201		90,070
CIVILIAN RES & DEVL FOUN (CRDF)/ARLINGTON, VA	47.079	OISE-15-61220-0		27,258
CIVILIAN RES & DEVL FOUN (CRDF)/ARLINGTON, VA	47.079	OISE-17-63335-1		14,116
Office of Integrative Activities				
Passed through from:				
UNIV OF KY RESEARCH FDN/LEXINGTON, KY	47.083	3200000271-16-075		89,073
Total National Science Foundation			4,667,254	80,347,771
Department of Veteran Affairs				
Research and Development	64.054			10,429
Research and Development				
Passed through from:				
LIBERTY IT SOLUTIONS LLC./HERNDON, VA	64.054	17-GTRC-0001		56,046
Total Department of Veteran Affairs				66,475
Environmental Protection Agency				
Science To Achieve Results (STAR) Research Program	66.509		52,143	499,575
Science To Achieve Results (STAR) Fellowship Program	66.514			10,452
P3 Award: National Student Design Competition for Sustainability	66.516			9,226
Pollution Prevention Grants Program	66.708			49,733
Ozone Transport Commission				
Passed through from:				
HEALTH EFFECTS INSTITUTE	66.033	4943-RFA13-2/14-4-3		25,555
Science To Achieve Results (STAR) Research Program				
Passed through from:				
VURYONX TECHNOLOGIES INC./BEVERLY, MA	66.509	AGR DTD 09/26/2017		32,000
Total Environmental Protection Agency			52,143	626,541
Nuclear Regulatory Commission				
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008			390,062
Total Nuclear Regulatory Commission				390,062
Department of Energy				
Office of Science Financial Assistance Program	81.049		1,098,510	5,935,743
Conservation Research and Development	81.086		3,527	749,297
Renewable Energy Research and Development	81.087		49,334	351,353
Fossil Energy Research and Development	81.089		27,262	1,735,495
Stewardship Science Grant Program	81.112			220,192
Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance	81.117		53,935	235,358
Nuclear Energy Research, Development and Demonstration	81.121		683,045	2,024,696
Electricity Delivery and Energy Reliability, Research, Development and Analysis	81.122		36,859	412,770
Advanced Research and Projects Agency – Energy	81.135		311,011	1,874,682
Inventions and Innovations				
Passed through from:				
SANDIA NATL LABS/SANDIA CORP	81.036	1614313		34,260
Office of Science Financial Assistance Program				
Passed through from:				
AECOM E&C INC./MORGANTOWN, WV	81.049	RES15056247		12,914
AECOM E&C INC./MORGANTOWN, WV	81.049	RES1506246		12,914
AECOM ENERGY & CONSTRUCTION, INC	81.049	RES1505183		48,225
AECOM ENERGY AND CONSTRUCTION INC	81.049	RES1505185		38,349
AECOM ENERGY AND CONSTRUCTION INC.	81.049	RES1505184		44,927
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AIChE)/ NEW YORK, NY	81.049	2		142,290
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	6F-30981		20,572
ARGONNE NATL LAB/UCHICAGO ARGONNE LLC/ARGONNE, IL	81.049	7F-30062		13,631
ARIZONA STATE UNIVERSITY/TEMPE, AZ	81.049	DE-AR0000470		2,349
AVAPCO LLC./THOMASTON, GA	81.049	1549-00-005		20,685
BECHTEL-BETTIS INCORPORATED	81.049	118626	94,951	221,247
BECHTEL-BETTIS INCORPORATED/WEST MIFFLIN, PA	81.049	124004		206,350
BROOKHAVEN NATIONAL LAB/UPTON, NY	81.049	343172		66,358
CERAMATEC/SALT LAKE CITY, UTAH	81.049	AGR DTD 11/24/15		137,340
CLEMSON UNIVERSITY/CLEMSON, SC	81.049	1518-219-2098126		(2,936)
CONTINUUM DYNAMICS INC/EWING, NJ	81.049	STTR: AGRMT DTD 01 APR 2015		117,660
FLORIDA STATE UNIVERSITY/TALLAHASSEE, FLA	81.049	R01436		75,573
HIFUNDA LLC/SALT LAKE CITY, UT	81.049	STTR: AGRMT DTD 02 MARCH 2015		134,753
HIGH FIDELITY GENETICS/DURHAM, NC	81.049	AGR DTD 9/23/16		10,705
HONEYWELL INC	81.049	N000217778		52,371
HONEYWELL INC	81.049	N000262235		304,534

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HONEYWELL INC	81.049	N000230924		14,164
HONEYWELL INC	81.049	PO # N000249536		5,205
HONEYWELL INC	81.049	N000254510		13,843
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	00132015		(46)
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	0179569		3,014
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	190986		66,158
IDAHO NATIONAL LAB/BEA/IDAHO FALLS	81.049	201636		10,649
Krell Institute	81.049	Krell-02		38,582
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	SUBCONTRACT NO 7052309		34,570
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7284683		70,950
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7350495		20,030
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7360408		644,503
LAWRENCE BERKELEY NATIONAL LAB/UNIVERSITY OF CALIFORNIA	81.049	7375547		30,333
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B617458		12,573
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B620403		20,068
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B623526		2,408
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B623901		59,999
LLNL/LAWRENCE LIVERMORE NATL SEC LLC/LIVERMORE, CA	81.049	B628150		20,436
LOS ALAMOS NATIONAL LAB/				
LOS ALAMOS NATIONAL SECURITY (LANS)	81.049	364502		86,163
LOS ALAMOS NATIONAL LAB/				
LOS ALAMOS NATIONAL SECURITY (LANS)	81.049	371097		61,253
LOS ALAMOS NATIONAL LAB/				
LOS ALAMOS NATIONAL SECURITY (LANS)	81.049	389971		110,803
LOS ALAMOS NATIONAL LAB/				
LOS ALAMOS NATIONAL SECURITY (LANS)	81.049	421807		142,289
NATL RENEWABLE ENERGY LAB (NREL)	81.049	XHQ-7-70094-01		39,588
NATL RENEWABLE ENERGY LAB (NREL)	81.049	XEJ-7-70103-01		107,407
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.049	XAT-6-62147-01		107,235
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.049	XEJ-7-62291-01		3,329
OAK RIDGE INSTI OF SCI & EDU/OAK RIDGE, TN	81.049	WIRE TRANSFER 11/18		8,665
OAK RIDGE NATL LAB/OAK RIDGE, TN	81.049	400084578		8,471
OAK RIDGE NATL LAB/UT BATTELLE LLC	81.049	4000090620		(343)
OAK RIDGE NATL LAB/UT BATTELLE LLC	81.049	4000100062		11,828
OAK RIDGE NATL LAB/UT BATTELLE LLC	81.049	4000104541		46,740
OG TECHNOLOGIES/ANN ARBOR, MI	81.049	AGT DTD SEPT. 9, 2014		310
OREGON STATE UNIVERSITY	81.049	G0173A-A		5,405
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	262787		43,471
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	314108		1,893
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	311544		8,224
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	322234		119,194
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	331867		48,203
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	338787		42,732
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	370356		95,177
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	386012		10,000
PACIFIC NW NATL LAB/BATTELLE MEMORIAL INST	81.049	392784		93,269
PRAXAIR/TONAWANDA, NY	81.049	DE-FE0026163		109,463
PROTON ONSITE/WALLINGFORD, CT	81.049	AGR DTD 6.29.2016 PO# 17224		4,714
SANDIA NATL LABS/SANDIA CORP	81.049	1643373		116,904
SANDIA NATL LABS/SANDIA CORP	81.049	1683264		4,516
SANDIA NATL LABS/SANDIA CORP	81.049	1719027		71,305
SANDIA NATL LABS/SANDIA CORP	81.049	1716584		29,916
SANDIA NATL LABS/SANDIA CORP	81.049	1740727		70,674
SANDIA NATL LABS/SANDIA CORP	81.049	1742041		78,871
SANDIA NATL LABS/SANDIA CORP	81.049	1741850		48,102
SANDIA NATL LABS/SANDIA CORP	81.049	1718996		18,090
SANDIA NATL LABS/SANDIA CORP	81.049	1744348		20,125
SANDIA NATL LABS/SANDIA CORP	81.049	1745464		23,791
SANDIA NATL LABS/SANDIA CORP	81.049	1755523		57,848
SANDIA NATL LABS/SANDIA CORP	81.049	1754500		5,764
SANDIA NATL LABS/SANDIA CORP	81.049	1767699		8,062
SANDIA NATL LABS/SANDIA CORP	81.049	1767660		216,937
SANDIA NATL LABS/SANDIA CORP	81.049	1782007		(4,628)
SANDIA NATL LABS/SANDIA CORP	81.049	1764531		62,009
SANDIA NATL LABS/SANDIA CORP	81.049	AGMT DTD 4/5/17		10,000
SANDIA NATL LABS/SANDIA CORP	81.049	1794432		5,531
SANDIA NATL LABS/SANDIA CORP	81.049	1804495		69,397
SANDIA NATL LABS/SANDIA CORP	81.049	1807549		99,810
SANDIA NATL LABS/SANDIA CORP	81.049	1825773		9,207
SANDIA NATL LABS/SANDIA CORP	81.049	1836843		52,394
SANDIA NATL LABS/SANDIA CORP	81.049	1840059		47,123
SANDIA NATL LABS/SANDIA CORP	81.049	1841736		85,001
SANDIA NATL LABS/SANDIA CORP	81.049	1846613		17,616
SANDIA NATL LABS/SANDIA CORP	81.049	1838573		51,690
SANDIA NATL LABS/SANDIA CORP	81.049	1838714		171,785
SANDIA NATL LABS/SANDIA CORP	81.049	1854518		80,000
SANDIA NATL LABS/SANDIA CORP	81.049	1856101		54,692
SANDIA NATL LABS/SANDIA CORP	81.049	1862981		68,733
SANDIA NATL LABS/SANDIA CORP	81.049	1856100		28,699
SANDIA NATL LABS/SANDIA CORP	81.049	1861841		36,107
SANDIA NATL LABS/SANDIA CORP	81.049	1883603		28,850
SANDIA NATL LABS/SANDIA CORP	81.049	1884667		33,356

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SANDIA NATL LABS/SANDIA CORP	81.049	1871005		30,529
SANDIA NATL LABS/SANDIA CORP	81.049	1897564		25,652
SANDIA NATL LABS/SANDIA CORP	81.049	1902837		10,956
SANDIA NATL LABS/SANDIA CORP	81.049	1901033		19,720
SANDIA NATL LABS/SANDIA CORP	81.049	1920644		1,923
SANDIA NATL LABS/SANDIA CORP	81.049	1920585		1,311
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/ AIKEN, SC	81.049	0000265739		127,969
SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/ AIKEN, SC	81.049	0000342690		26,883
SIXPOINT MATERIALS INC./BUELLTON, CA	81.049	AGR DTD 07/06/2017		130,420
STATE UNIV OF NY AT STONY BROOK	81.049	68856-TASK 3, PROJ. 1119493		142,543
SUSTAINABLE MANUFACTURING INNOVATION ALLIANCE CORP/WEST HENRIETTA, NY	81.049	1		24,021
UNIV OF NORTH CAROLINA/CHAPEL HILL, NC	81.049	5035981		103,198
UNIVERSITY OF ARIZONA/TUCSON, AZ	81.049	PO# 109150		58,767
UNIVERSITY OF DELAWARE	81.049	37792		96,671
UNIVERSITY OF MINNESOTA/MINNEAPOLIS, MN	81.049	A003127003		102,836
UNIVERSITY OF OKLAHOMA	81.049	2014-14		2,451
UNIVERSITY OF WISCONSIN - DISABILITY RESOURCE CENTER/MADISON, WI	81.049	775K563		56,524
UNIVERSITY OF WISCONSIN/MADISON WISCONSIN	81.049	562K284		38,078
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000116095		57,603
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000125663		15,010
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000128095		33,350
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000129251		9,939
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000136270		6,431
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000136542		27,818
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000138727		6,814
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000145143		72,442
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000147836		29,233
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000152624		12,259
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000152636		95,690
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000152786		153,071
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000153967		12,782
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000154575		46,869
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000154548		104,365
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000154975		65,160
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000156592		48,366
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000158523		38,909
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000159194		31,511
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000160017		20,495
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000160093		13,923
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000160033		10,115
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000160364		11,626
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000160408		18,526
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000160795		11,011
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000160789		18,185
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000160671		24,484
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000161062		85,674
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000159587		7,555
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	81.049	4000162743		11,794
VANDERBILT UNIVERSITY/NASHVILLE, TN	81.049	#19067-S12		122,225
VURONYX TECHNOLOGIES INC./BEVERLY, MA	81.049	AGMT DTD 16 JUN 2015		375,618
Conservation Research and Development Passed through from: POWERAMERICA INSTITUTE/RALEIGH, NC	81.086	2014-0654-71		139,192
Renewable Energy Research and Development Passed through from: ALGENOL/ATLANTA, GA	81.087	8/29/17 AGRMT		113,227
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS (AIChE)/ NEW YORK, NY	81.087	DE-EE0007888-06-4B		70,888
ARIZONA STATE UNIVERSITY/TEMPE, AZ	81.087	13-184		105
ELECTRIC POWER RES INST	81.087	#10001646		117,244
PURDUE UNIVERSITY/WEST LAFAYETTE	81.087	4106-71517		386,341
STANFORD UNIVERSITY/STANFORD, CA	81.087	61559166-51077		250,000
VANDERBILT UNIVERSITY/NASHVILLE, TN	81.087	UNIV58977		186,196
Fossil Energy Research and Development Passed through from: SOUTHWEST RESEARCH INSTITUTE	81.089	K99002RI		39,903
SOUTHWEST RESEARCH INSTITUTE	81.089	L99007RI		26,176
Defense Nuclear Nonproliferation Research Passed through from: NORTH CAROLINA STATE UNIVERSITY/RALEIGH, NC	81.113	2014-0501-05		384,944
Nuclear Energy Research, Development and Demonstration Passed through from: CONSOLIDATED NUCLEAR SECURITY LLC./OAK RIDGE, TN	81.121	AGREEMENT DTD 3.28.2016		2,654
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.121	XEJ-6-52279-01		19,290
NATL RENEWABLE ENERGY LAB/ALLNC FOR SUSTAIN ENGY	81.121	XGZ-6-52063-01		28,090
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	81.121	4105-77327		97,967
PURDUE UNIVERSITY/WEST LAFAYETTE, IN	81.121	4105-77465		39,855
SANDIA NATL LABS/SANDIA CORP	81.121	1617589		(114)

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SAVANNAH RIV NATL LAB/SAVANNAH RIV NUCLEAR SOL LLC/ AIKEN, SC	81.121	0000218148		8,222
SYRACUSE UNIVERSITY/SYRACUSE, NY	81.121	28643-04465-S02		160,442
UNIVERSITY OF ARKANSAS/FAYETTEVILLE, AR	81.121	SA1510069		47,307
UNIVERSITY OF NEBRASKA/LINCOLN, NE	81.121	25-1120-0014-004		18,455
Advanced Research Projects Agency - Energy				
Passed through from:				
RENSSELAER POLYTECHNIC INSTIT/TROY, NY	81.135	A12820		221,897
SILA NANOTECHNOLOGIES INC	81.135	133588		180,190
Total Department of Energy			2,358,434	24,553,632
Department of Education				
Fund for the Improvement of Postsecondary Education	84.116		111,245	790,829
Graduate Assistance in Areas of National Need	84.200			125,491
Directed Grants and Awards	84.417			25,000
Graduate Assistance in Areas of National Need				
Passed through from:				
UNIVERSITY OF GEORGIA/ATHENS, GA	84.200	RH216-361/S001356		46,424
Total Department of Education			111,245.00	987,744
Department of Health and Human Services				
Innovations in Applied Public Health Research	93.061		185,982	864,027
Food and Drug Administration_Research	93.103		622,996	1,041,496
Environmental Health	93.113		212,352	672,844
Oral Diseases and Disorders Research	93.121		122,827	403,569
Human Genome Research	93.172		370,347	693,867
Research Related to Deafness and Communication Disorders	93.173		14,966	232,440
Mental Health Research Grants	93.242		349,344	960,636
Discovery and Applied Research for Technological Innovations to Improve Human Health	93.286		764,908	4,099,346
Trans-NIH Research Support	93.310			509,369
Cancer Cause and Prevention Research	93.393		100,000	489,923
Cancer Detection and Diagnosis Research	93.394		12,188	310,878
Cancer Treatment Research	93.395		388,076	860,069
Cancer Biology Research	93.396		319,135	1,204,502
Cancer Research Manpower	93.398			11,626
ACL National Institute on Disability, Independent Living, and Rehabilitation Research	93.433		166,464	1,864,337
CDC Undergraduate Public Health Scholars Program (CUPS): A Public Health				
Experience to Expose Undergraduates Interested in Minority Health to Public Health and the Public Health Professions	93.456			42,299
ACL Assistive Technology	93.464		238,742	624,384
Trans-NIH Research Support	93.701		51,950	168,396
PPHF-CDC Partnership: Strengthening Public Health Laboratories	93.765			6
Cardiovascular Diseases Research	93.837		608,007	2,982,544
Lung Diseases Research	93.838		345,132	880,742
Blood Diseases and Resources Research	93.839		8,824	272,308
Arthritis, Musculoskeletal and Skin Diseases Research	93.846		336,961	2,304,288
Diabetes, Digestive, and Kidney Diseases Extramural Research	93.847			45,916
Extramural Research Programs in the Neurosciences and Neurological Disorders	93.853		1,147,683	3,045,028
Allergy and Infectious Diseases Research	93.855		339,108	1,059,628
Biomedical Research and Research Training	93.859		496,685	6,418,182
Child Health and Human Development Extramural Research	93.865		76,308	877,346
Aging Research	93.866		158,645	843,701
Vision Research	93.867		310,015	1,795,093
International Research and Research Training	93.989		891,539	1,071,667
Preventive Health and Health Services Block Grant	93.991		220,178	2,155,381
Technical Assistance and Provision for Foreign Hospitals and Health Organizations				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.019	T679671		151,489
Food and Drug Administration_Research				
Passed through from:				
GEORGIA DEPARTMENT OF AGRICULTURE/ATLANTA, GA	93.103	1U18FD005565-01		41,361
Environmental Health				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.113	T779501		43,451
EMORY UNIVERSITY/ATLANTA, GA	93.113	T811860		89,439
Oral Diseases and Disorders Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.121	T825580		71,925
UNIVERSITY OF ALABAMA AT BIRMINGHAM/BIRMINGHAM, AL	93.121	000412838-092		239,217
Research and Training in Complementary and Integrative Health				
Passed through from:				
VIRGINIA COMMONWEALTH UNIVERSITY/RICHMOND, VA	93.213	PT112083-SC107082		46,727
Policy Research and Evaluation Grants				
Passed through from:				
DELOITTE CONSULTING	93.239	101055-1		28,667
Mental Health Research Grants				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.242	T923072		6,967
JOHNS HOPKINS UNIV/BALTIMORE, MD	93.242	#145278		51,697
Affordable Care Act: Testing Experience and Functional Assessment Tools				
Passed through from:				
GEORGIA DEPT OF COMMUNITY HEALTH/ATLANTA, GA	93.627	15005G	87,495	2,607,203

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Discovery and Applied Research for Technological Innovations to Improve Human Health				
Passed through from:				
CORNELL UNIVERSITY/ITHACA, NY	93.286	16111826-GEORGIA		37,194
EMORY UNIVERSITY/ATLANTA, GA	93.286	T929459		16,459
MICHIGAN STATE UNIVERSITY/EAST LANSING, MI	93.286	RC104170GT		137,403
NORTHEASTERN UNIVERSITY/BOSTON, MA	93.286	500396-78050		41,374
UNIV OF LOUISVILLE/LOUISVILLE, KY	93.286	ULRF 14-1431		30,639
UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO/ SAN FRANCISCO, CA	93.286	10547SC		48,853
UNIVERSITY OF MEMPHIS/MEMPHIS, TN	93.286	5-40604		292,015
UT SOUTHWESTERN MEDICAL CENTER/DALLAS, TX	93.286	GMO 160807		155,928
National Public Health Improvement Initiative				
Passed through from:				
FULTON COUNTY	93.292	AGR DTD 5/6/15		139,401
Minority Health and Health Disparities Research				
Passed through from:				
UNIVERSITY OF UTAH/SALT LAKE CITY, UT	93.307	10044779-01		58,952
Trans-NIH Research Support				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.310	S699823		151,609
EMORY UNIVERSITY/ATLANTA, GA	93.310	T491511		106,874
EMORY UNIVERSITY/ATLANTA, GA	93.310	T662893		11,820
EMORY UNIVERSITY/ATLANTA, GA	93.310	T744619		69,757
National Center for Advancing Translational Sciences				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.350	T477965		(4,134)
EMORY UNIVERSITY/ATLANTA, GA	93.350	T648282		193,757
EMORY UNIVERSITY/ATLANTA, GA	93.350	T895408	68,950	404,878
EMORY UNIVERSITY/ATLANTA, GA	93.350	T917068		18,707
EMORY UNIVERSITY/ATLANTA, GA	93.350	T926219		36,353
Research Infrastructure Programs				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.351	T620910		331,151
Cancer Detection and Diagnosis Research				
Passed through from:				
UNIVERSITY OF UTAH/SALT LAKE CITY, UT	93.393	10044693-02		25,628
UNIVERSITY OF UTAH/SALT LAKE CITY, UT	93.393	10045740-01		21,066
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.394	PO#T342893		(40,997)
Cancer Biology Research				
Passed through from:				
UNIVERSITY OF MICHIGAN	93.396	3004589137		117,872
ACL National Institute on Disability, Independent Living, and Rehabilitation Research				
Passed through from:				
UNIVERSITY OF PITTSBURG/PITTSBURG, PA	93.433	0058440 (130293-1)		18,967
Ebola Support: Transmission and Prevention Control, Public Health Preparedness, Vaccine Development				
Passed through from:				
EMORY UNIVERSITY	93.823	T562794		261,020
Heart and Vascular Diseases Research				
Passed through from:				
BAYLOR COLLEGE OF MEDICINE/HOUSTON, TX	93.837	#P.O. 700000129		34,832
BOSTON CHILDREN'S HOSPITAL/BOSTON, MA	93.837	RSTFD0001137986		100,844
EMORY UNIVERSITY	93.837	T610484		205,894
EMORY UNIVERSITY/ATLANTA, GA	93.837	T586137		95,747
EMORY UNIVERSITY/ATLANTA, GA	93.837	T595904		(2,787)
UNIVERSITY OF PENNSYLVANIA	93.837	561713/PO 3406412		101,317
UNIVERSITY OF TEXAS AT AUSTIN	93.837	UTA13-000981		342,217
UT BATTELLE LLC/OAK RIDGE NATL LAB - TN	93.837	4000128353		1,197
Arthritis, Musculoskeletal and Skin Diseases Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.846	T684328		7,543
GEORGIA STATE UNIVERSITY	93.846	#SP00013208-01		172,205
Diabetes, Digestive, and Kidney Diseases Extramural Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.847	#T663443		143,163
EMORY UNIVERSITY/ATLANTA, GA	93.847	T701372		24,548
MAYO CLINIC/ROCHESTER, MN	93.847	GEO-235217/PO#65641111		47,777
Extramural Research Programs in the Neurosciences and Neurological Disorders				
Passed through from:				
DUKE UNIVERSITY/DURHAM, NC	93.853	203-5568		38,000
EMORY UNIVERSITY/ATLANTA, GA	93.853	T800420		392,019
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.853	#64620		98,810
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	93.853	00008936		168,423
UNIVERSITY OF CALIFORNIA/BERKELEY, CA	93.853	00008937		157,937
Allergy, Immunology and Transplantation Research				
Passed through from:				
BOSTON UNIVERSITY/BOSTON, MA	93.855	4500001690		109,126
EMORY UNIVERSITY	93.855	T807471		49,577
EMORY UNIVERSITY/ATLANTA, GA	93.855	T253685		167,837

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EMORY UNIVERSITY/ATLANTA, GA	93.855	T365272		219,445
EMORY UNIVERSITY/ATLANTA, GA	93.855	T559136		38,224
EMORY UNIVERSITY/ATLANTA, GA	93.855	T811960		39,440
EMORY UNIVERSITY/ATLANTA, GA	93.855	T939590		16,181
GEORGIA STATE UNIV/ATLANTA, GA	93.855	SP00012249-02		40,694
GEORGIA STATE UNIV/ATLANTA, GA	93.855	SP00012354-01		(90)
GEORGIA STATE UNIV/ATLANTA, GA	93.855	SP00012355-01		182,162
UNIV OF ALA AT BIRMINGHAM/BIRMINGHAM, AL	93.855	000338217-003	(98)	(98)
UNIVERSITY OF LOUISIANA LAFAYETTE/LAFAYETTE, LA	93.855	#330136		24,599
UNIVERSITY OF LOUISIANA LAFAYETTE/LAFAYETTE, LA	93.855	87100-01		262,069
UNIVERSITY OF LOUISVILLE/LOUISVILLE, KY	93.855	ULRF-17-0481-01		153,502
UNIVERSITY OF MICHIGAN	93.855	3004744318		168
UNIVERSITY OF PENNSYLVANIA/PHILADELPHIA, PA	93.855	571380		18,215
Biomedical Research and Research Training				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.859	T546559		120,395
EMORY UNIVERSITY/ATLANTA, GA	93.859	T674760		124,105
HARVARD UNIVERSITY/BOSTON, MA	93.859	133233-5068506		144,966
M.D. ANDERSON CANCER CENTER/HOUSTON, TX	93.859	3001093383		14,202
UNIV OF WASHINGTON/SEATTLE, WA	93.859	UWSC6607 (FORMERLY 759695)		62,929
Child Health and Human Development Extramural Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.865	T586108		83,901
EMORY UNIVERSITY/ATLANTA, GA	93.865	T696074		140,961
UNIV OF ALABAMA/TUSCALOOSA, AL	93.865	UA13-001		15,146
Aging Research				
Passed through from:				
BOSTON UNIVERSITY/BOSTON, MA	93.866	4500002150		27,327
EMORY UNIVERSITY/ATLANTA, GA	93.866	T815795		62,711
MAYO CLINIC/ROCHESTER, MN	93.866	GEO-233617/PO#65625722	12,800	96,961
UNIVERSITY OF MIAMI MEDICAL SCHOOL/MIAMI, FL	93.866	SPC-000552 GR000165		92,227
Vision Research				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.867	T806043		46,796
LEGACY EMANUEL HOSPITAL & HEALTH CENTER/PORTLAND, OR	93.867	AGREEMENT DATED 30-JUN-2016		(825)
MASSACHUSETTS INST OF TECH (MIT)/CAMBRIDGE, MA	93.867	#5710003266		86,351
NEW YORK UNIVERSITY/NEW YORK, NY	93.867	17-AO-00-006701-01		146,395
NORTHWESTERN UNIVERSITY/EVANSTON, IL	93.867	SP0028943-PROJ0007598		106,398
UNIVERSITY OF COLORADO	93.867	FY17.558.004_AMD5		66,213
Autism Collaboration, Accountability, Research, Education, and Support				
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.877	T652508		56,825
Passed through from:				
EMORY UNIVERSITY/ATLANTA, GA	93.967	T807472	5P01AI125180-02	80,809
EMORY UNIVERSITY/ATLANTA, GA	93.967	T674525		166,471
Preventive Health and Health Services Block Grant				
Passed through from:				
DANA-FARBER CANCER INSTITUTE INC./BOSTON, MA	93.991	1242101		19,932
EMORY UNIVERSITY	93.991	T953287		9,791
EMORY UNIVERSITY/ATLANTA, GA	93.991	T648153		(1,228)
EMORY UNIVERSITY/ATLANTA, GA	93.991	T783523		196,437
EMORY UNIVERSITY/ATLANTA, GA	93.991	T846705		67,747
EMORY UNIVERSITY/ATLANTA, GA	93.991	T847367		99,786
EMORY UNIVERSITY/ATLANTA, GA	93.991	T923593		31,437
EMORY UNIVERSITY/ATLANTA, GA	93.991	T935644		9,784
GEORGIA STATE UNIVERSITY/ATLANTA, GA	93.991	SP00011574-04		7,961
IMS GOVERNMENT SOLUTIONS INC/FAIRFAX, VA	93.991	2017-IMS-SC-GT001		143,757
IMS GOVERNMENT SOLUTIONS INC/FAIRFAX, VA	93.991	2017-IMS-SC-GT002		167,783
MOUNT SINAI MEDICAL CENTER	93.991	Mount Sinai-01		1,933
NATIONWIDE CHILDREN'S HOSPITAL/COLUMBUS, OH	93.991	82154217		36,564
NORTHROP GRUMMAN SYSTEMS CORP/MCLEAN, VA	93.991	7500152764		169,820
NORTHWESTERN UNIVERSITY/EVANSTON, IL	93.991	60047538 GIT		7,815
STANFORD UNIVERSITY/STANFORD, CA	93.991	61379352-111946		166,636
THRUST INTERACTIVE/ATLANTA, GA	93.991	AGR DTD 03/20/2017		9,221
UNIVERSITY OF ALABAMA AT BIRMINGHAM/BIRMINGHAM, AL	93.991	000508606-016		31,047
UNIVERSITY OF LOUISVILLE/LOUISVILLE, KY	93.991	ULRF 17-0029-01		156,022
UNIVERSITY OF OREGON/EUGENE, OREGON	93.991	215830A		210,415
UNIVERSITY OF VIRGINIA/CHARLOTTESVILLE, VA	93.991	GB10347 152818		189,780
Total Department of Health and Human Services			9,028,509	51,790,968
Corporation for National Public Community				
AmeriCorps				
Passed through from:				
GA DEPT COMMUNITY AFFAIRS	94.006	11AFHGA0010003		14,424
Total Corporation for National Public Community				14,424
Department of Homeland Security				
State and Local Homeland Security National Training Program	97.005		269,303	424,060
Map Modernization Management Support	97.070			210,539
Homeland Security Testing, Evaluation, & Demonstration of Technologies	97.077		222,582	1,244,963

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

YEAR ENDED JUNE 30, 2018

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
State and Local Homeland Security National Training Program				
Passed through from:				
BERRIEHILL RESEARCH CORP/DAYTON, OH	97.005	AQUA_S2212_GTARC		335,515
DYNETICS INCORPORATED/HUNTSVILLE, AL	97.005	DI-SC-18-64		6,060
GEORGIA EMERGENCY MANAGEMENT AGENCY/ATLANTA, GA	97.005	60		5,950
GEORGIA EMERGENCY MANAGEMENT AGENCY/ATLANTA, GA	97.005	62		16,314
GEORGIA EMERGENCY MANAGEMENT AGENCY/ATLANTA, GA	97.005	61		7,613
IJIS INSTITUTE/ASHBURN, VA	97.005	302-GTRI-PI-P3-01		107,497
JOHNS HOPKINS APPLIED PHYSICS LAB/LAUREL, MD	97.005	141999		126,537
SCIENTIFIC RESEARCH CORP/ATLANTA, GA	97.005	SR20180956		79,673
STEVENS INST OF TECHNOLOGY	97.005	TASK ORDER 0075, RT-175		64,415
UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN/CHAMPAIGN, IL	97.005	077083-16371		134,291
ZETA ASSOCIATES INC/FAIRFAX, VA	97.005	173118LS-GTARC-01		248,870
Centers for Homeland Security				
Passed through from:				
ARIZONA STATE UNIVERSITY	97.061	18-340		88,361
ARIZONA STATE UNIVERSITY/TEMPE, AZ	97.061	18-341		99,408
ARIZONA STATE UNIVERSITY/TEMPE, AZ	97.061	18-310		158,581
INTAN TECHNOLOGIES/LOS ANGELES, CA	97.061	AGT DTD JULY 31, 2014		(3)
Homeland Security Grant Program				
Passed through from:				
GEORGIA EMERGENCY MGMT & HOMELAND SECURITY AGCY/ATLANTA, GA	97.067	DELIVERY ORDER 63		50,975
Bio-Preparedness Collaboratory				
Passed through from:				
SCRIPPS RESEARCH INSTITUTE/ LA JOLLA, CA	97.122	5-52937 PRIME # GM103368-05		21,715
Total Department of Homeland Security			491,885	3,431,334
Agency for International Development				
USAID Foreign Assistance for Programs Overseas				
Passed through from:				
FHI 360/DURHAM, NC	98.001	#PO16003387	73,451	533,440
Total Agency for International Development			73,451	533,440
Total Research and Development-Cluster			86,548,908	665,400,712
Student Financial Assistance-Cluster:				
Department of Education				
Federal Supplemental Educational Opportunity Grants	84.007			543,238
Federal Work-Study Program	84.033			519,351
Federal Perkins Loan Program_Federal Capital Contributions	84.038			7,431,123
Federal Pell Grant Program	84.063			11,483,135
Federal Direct Student Loans	84.268			83,160,654
Total Student Financial Assistance-Cluster:				103,137,501
Other Programs:				
Department of Agriculture				
Small Business Innovation Research				
Passed through from:				
AMERICA'S SMALL BUSINESS DEVELOPMENT CENTERS/BURKE, VA	10.212			30,540
Total Department of Agriculture				30,540
Department of Commerce				
Cluster Grants	11.020			119,336
Science and Research Park Development Grants	11.030			(160)
Economic Development_Support for Planning Organizations	11.302			
Passed through from:				
NORTHWEST GEORGIA REGIONAL COMMISSION/ROME, GA		AGR DTD 12/5/16		5,239
Trade Adjustment Assistance	11.313		288,290	1,045,116
Manufacturing Extension Partnership	11.611			2,785,104
Minority Business Resource Development	11.802		47,500	204,675
MBDA Business Center	11.805			432,606
Total Department of Commerce			335,790	4,591,916
Department of the Army				
Basic, Applied, and Advanced Research in Science and Engineering	12.630			34,608
Total Department of the Army				34,608
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-PO4		4,843
Basic, Applied, and Advanced Research in Science and Engineering	12.630			1,097,381
Total Department of Defense				1,102,224

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

YEAR ENDED JUNE 30, 2018

Federal Grantor/Pass-Through Grantor/Cluster or Program Title	Federal CFDA Number	Pass-through Entity ID Number	Amount Passed Through to Subrecipient	Federal Expenditures
Department of Labor				
Consultation Agreements	17.504			883,710
WIA/WIOA Adult Program				
Passed through from:				
GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.258	AGR DTD 1/15/16		73,739
WIA/WIOA Dislocated Worker Formula Grants				
Passed through from:				
GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.278	1		34,487
GA DEPT OF ECONOMIC DEVELOPMENT/ATLANTA, GA	17.278	3		15,260
Total Department of Labor				<u>1,007,196</u>
Department of Transportation				
Highway Training and Education	20.215			101,767
Total Department of Transportation				<u>101,767</u>
National Aeronautics and Space Administration				
Aeronautics	43.002			129,331
Education	43.008			(4,500)
Space Technology	43.012			54,786
Science				
Passed through from:				
UNIVERSITY OF COLORADO/BOULDER, CO	43.001	155694		6,487
Total National Aeronautics and Space Administration				<u>186,104</u>
National Endowment for the Humanities				
Promotion of the Humanities Office of Digital Humanities	45.169		35,134	139,258
Total National Endowment for the Humanities			<u>35,134</u>	<u>139,258</u>
Institute of Museum and Library Services				
National Leadership Grants	45.312			4,486
Total Institute of Museum and Library Services				<u>4,486</u>
National Science Foundation				
Education and Human Resources				
Passed through from:				
KENNESAW STATE UNIVERSITY/MARIETTA, GA	47.076	431204-12-01		8,003
Total National Science Foundation				<u>8,003</u>
Veterans Affairs				
Research and Development	64.054			53,581
Total Veterans Affairs				<u>53,581</u>
Nuclear Regulatory Commission				
U.S. Nuclear Regulatory Commission Scholarship and Fellowship Program	77.008			123,909
Total Nuclear Regulatory Commission				<u>123,909</u>
Department of Energy				
Nuclear Energy Research, Development and Demonstration	81.121			168,656
Office of Science Financial Assistance Program				
Passed through from:				
Krell DOE-NNSA SSGF	81.049	Krell-01		32,434
SANDIA NATIONAL LABS	81.049	Sandia-01		9,300
SANDIA NATL LABS/SANDIA CORP	81.049	136772		10,000
Total Department of Energy				<u>220,390</u>
Department of Education				
Rehabilitation Services_Vocational Rehabilitation Grants to States	84.177			467,118
Centers for International Business Education	84.220			217,799
Graduate Assistance in Areas of National Need				
Passed through from:				
UNIVERSITY OF GEORGIA/ATHENS, GA	84.200	RH216-361/S001355		45,410
Gaining Early Awareness and Readiness for Undergraduate Programs				
Passed through from:				
US DEPT OF EDUCATION/GENERAL	84.334	P378A13009	1,090,792	3,382,130
Supporting Effective Instruction State Grant (formerly Improving Teacher Quality State Grants)				
Passed through from:				
UNIVERSITY OF GEORGIA	84.367	RH216-352 / S001010		(814)
UNIVERSITY OF GEORGIA/ATHENS, GA	84.367	RH216-361/S001357		35,850
Total Department of Education			<u>1,090,792</u>	<u>4,147,493</u>
Department of Health and Human Services				
Alzheimer's Disease Demonstration Grants to States	93.051			29,243
ACL Assistive Technology	93.464		125,814	216,892
Preventive Health and Health Services Block Grant	93.991			35,485
Total Department of Health and Human Services			<u>125,814</u>	<u>281,620</u>
Homeland Security				
State and Local Homeland Security National Training Program	97.005			9,300
Homeland Security Preparedness Technical Assistance Program	97.007			39,924
Hazard Mitigation Grant				
Passed through from:				
GEORGIA EMERGENCY MGMT & HOMEL	97.039	HMGP 4165-0021		21,852

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

YEAR ENDED JUNE 30, 2018

<u>Federal Grantor/Pass-Through Grantor/Cluster or Program Title</u>	<u>Federal CFDA Number</u>	<u>Pass-through Entity ID Number</u>	<u>Amount Passed Through to Subrecipient</u>	<u>Federal Expenditures</u>
Homeland Security Grant Program Passed through from: GEORGIA EMERGENCY MGMT & HOMELAND SECURITY AGCY/ATLANTA, GA	97.067	SHO16-058		5,126
Total Homeland Security				<u>76,202</u>
Total Other Programs			<u>1,587,530</u>	<u>12,109,297</u>
Total Expenditures of Federal Awards			<u>\$ 88,136,438</u>	<u>\$ 780,647,510</u>

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

YEAR ENDED JUNE 30, 2018

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% de minimum 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—Contingencies

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

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

YEAR ENDED JUNE 30, 2018

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, 2018, 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 November 17, 2018.

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 (CONTINUED)**

YEAR ENDED JUNE 30, 2018

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 84.334	Research and Development Cluster Gaining Early Awareness and Readiness for Undergraduate Programs

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