COMPLIANCE REPORTS

For the Year Ended June 30, 2017



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

To the Board of Directors University of Georgia Research Foundation, Inc. Athens, Georgia

Report on Compliance for Each Major Federal Program

We have audited the University of Georgia Research Foundation, Inc.'s (the "Foundation") compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the Foundation's major federal programs for the year ended June 30, 2017. The Foundation'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 federal statutes, regulations, and the terms and conditions of its federal awards applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the Foundation's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards* ("Uniform Guidance"). 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 Foundation'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 Foundation's compliance.

Opinion on Each Major Federal Program

In our opinion, the Foundation complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2017.

Report on Internal Control over Compliance

Management of the Foundation 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 Foundation's internal control over compliance with the types of requirements that could have a direct and material effect on a major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing our 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 Foundation'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 Foundation as of and for the year ended June 30, 2017, and have issued our report thereon dated September 14, 2017, which contained an unmodified opinion on those financial statements. Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. The accompanying supplemental Schedule of Expenditures of Federal Awards is presented for the purpose of additional analysis as required by Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards and is not a required part of the basic financial statements. Such information is the responsibility of the Foundation's management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in our audit of the 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 financial statements or to the financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the information is fairly stated in all material respects in relation to the basic financial statements taken as a whole, in conformity with the basis of accounting described in Note 2.

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.

Augusta, Georgia

Chung Bekaut LLP

December 14, 2017 except for paragraph entitled **Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance** as to which the date is September 14, 2017

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/ Office	Program	CFDA#	Project Name	Identifying Number	Total Federal Expenditures	Amount Provided to Subrecipients
	Idlife Cluster					
•	ment of the Interior h and Wildlife Service					
1.0	Wildlife Restoration and Basic Hunter Education					
	Federal Flow Through From:					
	GA DEPT OF NATURAL RESOURCES	15.611	GDNR USDARF GA BLCK BEAR CHAMB	AGREEMENT	\$ 85,715	\$ 82,873
	GA DEPT OF NATURAL RESOURCES		GDNR USDARF D&E WT DEER MILLE	AGREEMENT	80,210	80,633
	GA DEPT OF NATURAL RESOURCES		GDNR RF COYOTE SPAT CHAMB	AGREEMENT	31,928	30,869
	GA DEPT OF NATURAL RESOURCES GA DEPT OF NATURAL RESOURCES	15.611		AGREEMENT AGREEMENT	17,010	16,446
	GA DEPT OF NATURAL RESOURCES	15.611	GDNR USFWRF MTLD DUCK ECOCHAMB GDNR/USDIRF RABBIT HUNTINMARTI	4620897721626560	32,462 139,698	31,386 135,331
	GA DEPT OF NATURAL RESOURCES		GDNR RF PINE PLANT MARTI	AGREEEMENT	45,446	44,013
	GA DEPT OF NATURAL RESOURCES	15.611		AGREEMENT	192,378	186,149
	GA DEPT OF NATURAL RESOURCES	15.611	GDNR/USDIRF BLACK BEAR CHAMB	AGREEMENT	16,215	15,690
	KENTUCKY DEPT FISH & WILDLIFE	15.611	KDFW/USDIRF BIRD POPULTN MARTI	1600001324	41,333	41,333
	LOUISIANA DEPT WILDLIFE & FISH	15.611	LA/USDI RF WILD TURKECHAMB	726564	(2,984)	(2,984)
	TEXAS PARKS AND WILDLIFE DEPT	15.611	TPWD RF WILD TURKEYS CHAMB	479099	130,512	126,811
				Total CFDA #15.611	809,923	788,550
				Total Fish and Wildlife Service	809,923	788,550
				Total Department of the Interior	809,923	788,550
				Total Fish & Wildlife Cluster		788,550
Depart	Infant, & Early Childhood Home Visiting Center Clus ment of Health and Human Services alth Resources and Services Administration Affordable Care Act (ACA) Maternal, Infant, and Ea		ood Home Visiting Program			
	Federal Flow Through From: MDRC	00 505	MDDO/DUUGDE MUUDDE U OODOODOO	MULODE	77.004	74.004
	MDRC		MDRC/DHHSRF MIHOPE-II CORCORSO MDRC RF MIHOPE CORSO	MIHOPE II AGREEMENT	77,284 29,836	71,684 27,674
	MBRO	33.303	MBRC REMITOLE CORGO	Total CFDA #93.505		99,358
			Total Health Resource	ces and Services Administration	107,120	99,358
			-	nt of Health and Human Services	107,120	99,358
			Total Maternal, Infant, & Early Childho	od Home Visiting Center Cluster	107,120	99,358
	& Development Cluster					
-	ment of Agriculture ricultural Marketing Service					
79	Specialty Crop Block Grant Program - Farm Bill					
	Federal Flow Through From:					
	GA DEPT OF AGRICULTURE	10.170	GDA/USDA RF RF_CROP LOAD_MALLA	2016 USDA/AMS-SCBG	13,444	13,444
	GA DEPT OF AGRICULTURE	10.170	GDA/USDA RF RF_BLOSSOM RONAMBE	2016USDAAMSSCBG	21,383	21,383
	GA DEPT OF AGRICULTURE	10.170	GDA/USDA RF RF_NATIVE POLWILDE	2016USDAAMSSCBG	6,427	6,427
	GA DEPT OF AGRICULTURE		GDOA RF GEORIGA GROWTSHONK	16SCBGPGA0010	2,642	2,642
	GA DEPT OF AGRICULTURE		GDA/USDA RF INSECT CONTROBRAMA	16SCBGPGA0010	18,366	18,366
	GA DEPT OF AGRICULTURE		GDA/USDA RF SMARTPHON AP VELLI	VELLIDIS SMARTPHONE	7,373	7,373
	UNIVERSITY OF FLORIDA	10.170	UFL/USDA RF BUD TEMP CHAVE	UFDSP00010611 Total CFDA #10.170	616	70,251
			Tota	al Agricultural Marketing Service	70,251 70,251	70,251 70,251
Ag	ricultural Research Service		10.0	a Agricultural marketing corvios	70,201	70,201
	Agricultural Research-Basic and Applied Research Direct Federal Awards:	ı 10.001			2,298,902	2,285,633
	Federal Flow Through From:	10.001			2,290,902	2,200,000
	AMERICAN EGG BOARD	10.001	AEB RF EGG CONSUMPT LEWIS	AGREEMENT	29,438	28,856
	PURDUE UNIVERSITY		PU/ARS RF FOOD HAZARD SINGH	8000079239	21,040	20,278
				Total CFDA #10.001	2,349,380	2,334,767
			Tot	al Agricultural Research Service	2,349,380	2,334,767
An	imal and Plant Health Inspection Service					
	Plant and Animal Disease, Pest Control, and Anima				0-1	
	Direct Federal Awards:	10.025			204,961	201,107
	Federal Flow Through From: GA DEPT OF AGRICULTURE	10 025	GDOA RF CAPS FREEM	CAPS	5,891	5,891
	CARDELL OF MONIOCETOINE	10.025	ODON IN ON OFREEWI	Total CFDA #10.025		206,998
				10.025	210,002	200,000

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

ncy/	Dansan	OFD - "	Puriosi Novo	Managed or No. 116	Total Federal	Amount Provided to
fice	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
	Wildlife Services					
	Direct Federal Awards:	10.028			443,998	435,223
	Federal Flow Through From:					
	MISSISSIPPI STATE UNIVERSITY	10.028	MSU/USDA RF SWITCHGRASS MARTI	8030033064501	6,006	5,887
				Total CFDA #10.028	450,004	441,110
Eco	nomic Research Service		l otal Animal a	and Plant Health Inspection Service	660,856	648,108
ECO	Agricultural and Rural Economic Research, Coope	rative Anı	reements and Collaborations			
	Direct Federal Awards:	10.250			55,314	55,314
	Federal Flow Through From:				ŕ	ŕ
	CORNELL UNIVERSITY	10.250	CU RF TABLE TALKER RAJBH	7786710657	17,860	17,507
				Total CFDA #10.250	73,174	72,821
	Consumer Data and Nutrition Research					
	Direct Federal Awards:	10.253			145,062	145,062
	Federal Flow Through From: CORNELL UNIVERSITY	10.253	CU RF TABLE TALKER RAJBH	6214010179	(2.902)	(2.747
	CONNELL UNIVERSITY	10.255	CO RETABLE TALKER RAJBH	Total CFDA #10.253	(2,802) 142,260	(2,747
				Total Economic Research Service	215,434	215,136
For	eign Agricultural Service			Total Economic Recognist Colvice	210,101	210,100
	USDA Local and Regional Food Aid Procurement F	rogram				
	Direct Federal Awards:	10.612			59,276	55,595
				Total CFDA #10.612	59,276	55,595
	Norman E. Borlaug International Agricultural Scien	ce and Te	echnology Fellowship			
	Direct Federal Awards:	10.777		<u>-</u>	106,829	104,717
				Total CFDA #10.777	106,829	104,717
_				Total Foreign Agricultural Service	166,105	160,312
Fore	est Service					
	Forestry Research	10.652			704 426	774 900
	Direct Federal Awards: Federal Flow Through From:	10.032			781,436	774,892
	US ENDOWMENT FORESTRY & COMMUN	10 652	CAWES RF RF BIOMASS TOMANI	CW3	65,891	64,023
	US ENDOWMENT FORESTRY & COMMUN		EN/UFS RF RF BIOMASS MANI	E1671UGACAWES7B	19,693	19,138
	US ENDOWMENT FORESTRY & COMMUN		USEFC RF BIO RSRCH II MERKL	2012008	9,069	8,467
	US ENDOWMENT FORESTRY & COMMUN	10.652	USEFC RF CLONAL TEST MERKL	E1663	22,628	22,628
	US ENDOWMENT FORESTRY & COMMUN	10.652	USEFC RF HLTH PHASE MERKL	2014020	42,953	41,735
				Total CFDA #10.652	941,670	930,880
	Cooperative Forestry Assistance					
	Federal Flow Through From:					
	FLORIDA DEPT OF AG & CONS SVCS GA FORESTRY COMMISSION		FL/USDA RF REGIONAL WOOD HU	20946	(1)	(1
	GA FORESTRY COMMISSION	10.664	GAFC RF ECO RESTOR DICKE	AGREEMENT Total CFDA #10.664	985 984	941
	Urban and Community Forestry Program			10tal CFDA #10.004	904	940
	Direct Federal Awards:	10.675			23,923	23,923
				Total CFDA #10.675	23,923	23,923
	Forest Health Protection					
	Direct Federal Awards:	10.680			272,005	267,044
				Total CFDA #10.680	272,005	267,044
	Partnership Agreements					
	Direct Federal Awards:	10.699		<u>-</u>	29,483	29,400
				Total CFDA #10.699	29,483	29,400
				Total Forest Service	1,268,065	1,252,187
Nati	onal Institute of Food and Agriculture Grants for Agricultural Research, Special Research	Granta				
	Direct Federal Awards:	10.200			21,437	20,239
	Federal Flow Through From:	10.200			21,401	20,23
	NORTH CAROLINA STATE UNIV	10.200	NC/USDA RF W/ 330-487 TOEWS	2013283901	946	946
	NORTH CAROLINA STATE UNIV		NC/USDA RF MEACOPTA CRI TOEWS	2013283901	2,774	2,774
	UNIV NORTH CAROLINA CHAPEL HIL		UNCC RF SNAP-ED LEE	5102822	6,887	6,57
	UNIVERSITY OF FLORIDA		UF/USDA RF ALGICIDES BRANN	1500343786	1	-,-
	UNIVERSITY OF FLORIDA	10.200	UFL/USDA RF RF_NEMTICIDALNOE	1600412004	340	34
	UNIVERSITY OF FLORIDA	10.200		1600412008	1,000	1,00
	UNIVERSITY OF FLORIDA	10.200		20153438323708	10,183	10,18
	UNIVERSITY OF FLORIDA		UF/NIFA RF INSECTICIDES RILEY	P10644	4,723	4,72
	UNIVERSITY OF FLORIDA	10.200	UF/USDA RF 2016 IR-4 SRINI	1600472673	14,965	14,965
				Total CFDA #10.200	63,256	61,

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/	D	CEDA "	Puriosi Nove	Identifica Noveles	Total Federal	Amount Provided to
Office	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
	Higher Education Graduate Fellowships Grant Pro	gram				
	Direct Federal Awards:	10.210			83,923	83,923
				Total CFDA #10.210	83,923	83,923
	Small Business Innovation Research					
	Federal Flow Through From: INSECTIGEN, INC.	10.212	RF BTBOOSTER MEAGH	SRA	801	627
	PHYTOSYNTHETIX		PHYTOSYNTRF LED GROW VAN I	FP00003410	(1)	(1
		.0.2.2	THE STATE OF THE S	Total CFDA #10.212	800	626
	Sustainable Agriculture Research and Education					
	Direct Federal Awards:	10.215		<u> </u>	3,680,559	3,601,692
				Total CFDA #10.215	3,680,559	3,601,692
	Biotechnology Risk Assessment Research	10 210			24 694	22 566
	Direct Federal Awards: Federal Flow Through From:	10.219			34,681	32,566
	UNIVERSITY OF MINNESOTA	10 219	UMN/USDA RF MUTATION RTE JACKS	H005031601	24,884	23,338
		.0.2.0		Total CFDA #10.219	59,565	55,904
	Integrated Programs				,	,
	Direct Federal Awards:	10.303			200,421	188,136
	Federal Flow Through From:					
	CLEMSON UNIVERSITY		CLEM/USDARF RF_PAPER BAGSCHAVE	18812072011599	52,808	50,282
	MISSISSIPPI STATE UNIVERSITY	10.303		1800032245601	22,608	22,608
	UNIVERSITY OF FLORIDA		UFL/USDA RF W/2521RF330510	UFDSP00010629	12,788	10,965
	UNIVERSITY OF FLORIDA UNIVERSITY OF FLORIDA		UF/USDA RE ORGANIO RECANDUTOU	UFDSP00010082	(6,669)	(6,255
	UNIVERSITY OF FLORIDA	10.303	UFL/USDA RF ORGANIC PECANDUTCH UF RF ORG PECAN DUTCH	UFDSP00010629 UFDSP00010951	38,274 6,558	33,357 6,229
	UNIVERSITY OF FLORIDA		UFL/USDA RF W/ 2521RF330510	UFDSP00010629	10,345	9,322
	UNIVERSITY OF FLORIDA		UFL/USDA RF W/ 2521RF330510	UFDSP00010629	13,477	12,029
	UNIVERSITY OF FLORIDA		UFL/USDA RF W/ 2521RF330510	UFDSP00010629	7,971	7,409
				Total CFDA #10.303	358,581	334,082
	Homeland Security-Agricultural					
	Direct Federal Awards:	10.304		<u>-</u>	223,721	219,300
				Total CFDA #10.304	223,721	219,300
	Organic Agriculture Research and Extension Initia Direct Federal Awards:	10.307			619,358	600,426
	Federal Flow Through From:	10.307			019,330	600,420
	UNIVERSITY OF FLORIDA	10.307	UFL/USDA RF RF_HIGH TUNN OCONN	UFDSP00011606	1,589	1,513
				Total CFDA #10.307	620,947	601,939
	Specialty Crop Research Initiative					
	Direct Federal Awards:	10.309			1,294,135	1,235,028
	Federal Flow Through From:					
	CORNELL UNIVERSITY		CORNELL RF RF_EAST BROCCCOOLO	7959810783	1,458	1,388
	MICHIGAN STATE UNIVERSITY		MSU/NIFA RF LEVERAGE APP_MCGRE	RC105573UGARF	33,535	32,220
	NEW MEXICO STATE UNIVERSITY		NMSU/USDARF RF_COORDINATECONNE	Q01893	2,772	2,639
	NORTH CAROLINA STATE UNIV NORTH CAROLINA STATE UNIV		NCSU/USDARF STINK BUG TOEWS	2017039805	19,696	18,754
	UNIVERSITY OF FLORIDA		NCSU RF SPOTTED WING AHMAD UFL/USDA RF W/ 328120 DEVOS	2016022803 UFDSP00011194	47,290 3,510	45,029 3,342
	UNIVERSITY OF FLORIDA		UFL/USDA RF HLB CITRUS REYES	UFDP00010607	24,906	23,715
	UNIVERSITY OF FLORIDA		UFL/USDA RF W/ 328120 RAYMER	UFDSP00011194	96,531	91,914
	UNIVERSITY OF FLORIDA		UFL/USDA RF W/ 328120 WALTZ	UFDSP00011194	384	366
	UNIVERSITY OF FLORIDA	10.309	UFL/USDA RF WARM GRASS SCHWA	UFDSP00011194	147,945	140,869
				Total CFDA #10.309	1,672,162	1,595,264
	Agriculture and Food Research Initiative (AFRI)					
	Direct Federal Awards:	10.310			4,335,006	4,104,146
	Federal Flow Through From:	40.040	HODA (OLL DE CODOLUMA INVERDENATED	10100070010070	00.400	70.400
	CLEMSON UNIVERSITY FORT VALLEY STATE UNIVERSITY		USDA/CU RF SORGHUM HYBRDPATER	18122072010076	83,409	79,420
	GA INSTITUTE OF TECHNOLOGY	10.310	FVSU_USDARF CNC WRC283397MANI GIT RF RF330-518 RAINS	CANFVSU110012 D7437G1	25,004 6,614	23,808 6,203
	GA INSTITUTE OF TECHNOLOGY		GAIT RF DISINFECT HUNG	RE333G1	79,735	74,872
	GA INSTITUTE OF TECHNOLOGY		GIT USDARF EN CAP TRGT ERICK	RE390G1	11,672	10,960
	GA INSTITUTE OF TECHNOLOGY	10.310		D7437G1	61,059	57,267
	GA SOUTHERN UNIV RSRCH &SVC FN		GSU/USDA RF WOOD BIOENGY JACKS	P13263	(8,797)	(8,402
	ILLINOIS INSTITUTE OF TECHNLGY	10.310		SA60501169843	27,506	25,798
	KANSAS STATE UNIVERSITY	10.310		S15178	13,348	12,710
	KANSAS STATE UNIVERSITY	10.310	KSU RF CBPR PREVENT	S15178	16,688	15,600
	MICHIGAN STATE UNIVERSITY	10 310	MSU/USDA RF LOW-MOISTURE THIPP	RC104967UGA	108,360	101,401

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

ncy/ ice	Program	CEDA #	Project Name	Identifying Number	Total Federal Expenditures	Amount Provided to Subrecipien
ice	Program	CFDA #	Project Name	Identifying Number	expenditures	Subrecipien
	NORTH CAROLINA STATE UNIV	10.310	NCSU/USDARF W/319284	2011049404	63,986	60,9
	NORTH CAROLINA STATE UNIV	10.310	NCSU/USDARF FOODBORN DIS ORTEG	2011049404	93,730	89,2
	NORTH CAROLINA STATE UNIV	10.310	NCSU/USDARF W/319284 FELLORTEG	2011049404	46,711	46,7
	OHIO STATE UNIVERSITY		OSU/USDA RF POULTRY RESP JACKW	60045862	80,778	75,5
	OHIO STATE UNIVERSITY	10.310	OSU/USDA RF W/ 188293 FERGESON	60045862	51,270	47,9
	OHIO STATE UNIVERSITY		OSU/USDA RF W/188293 GARCIA	60045862	73,308	68,
	PENNSYLVANIA STATE UNIVERSITY		PSU/USDA RF XYLOPHAGOUS TSAI	5262UGRFUSDA3287	54,874	51,2
	UNIV OF KENTUCKY RESEARCH FDN		KEN/USDA RF SUS NUTRIENT SCHRA	304811097714066	39,089	36,
	UNIV OF NEBRASKA-LINCOLN	10.310	UNL/USDA RF STEC IN BEEF THIPP	2562390235314	511,601	479,
	UNIVERSITY OF FLORIDA		FLA/USDA RF SOUTHRN PINE KANE	UFDSP00010670	25,586	24,
	UNIVERSITY OF FLORIDA		FLA/USDA RF SUP 272-344 KANE	UFDSP00010670	16,843	16,
	UNIVERSITY OF FLORIDA		FLA/USDA RF CLIMATE CNG	UFDSP00010718	105,054	100,0
	UNIVERSITY OF FLORIDA		UFL/USDA RF SE SESAME PORPORTE	UFDSP00010739	11,273	10,
	UNIVERSITY OF FLORIDA		FLA/USDA RF SUP 272-344 KANE	UFDSP00010739		64,
	UNIVERSITY OF MARYLAND FDN INC				67,013	
	UNIVERSITY OF MINNESOTA	10.310	UM/USDA RF BEE INFORMED DELAP	Z552801	1,967	1,8
		10.310	UMN/USDA RF ANTIBIOTIC R HOFAC	H004401001	400	45
	UNIVERSITY OF TENNESSEE	10.310		8500049042	49,010	45,
	UNIVERSITY OF TENNESSEE	10.310		8500047012	3,978	3,
	UTAH STATE UNIVERSITY		UT/USDA RF IMPROVE LIPIDAKOH	13049501	72,023	67,
	UTAH STATE UNIVERSITY	10.310	UTAH/USDARF NITRO CYCLE HABTE	11018301	18,937	18,
	UTAH STATE UNIVERSITY	10.310	USU/USDA RF NITRIFIC HABTE	20025700001214	8,294	7,
	VIRGINIA POLYTECHNIC INSTITUTE	10.310	VAPT/USDARF FOOD SAFETY HARRI	54589219105	25,910	24,
	VIRGINIA POLYTECHNIC INSTITUTE	10.310	VIRN/USDARF OOMYCETE DIS PARRO	42226219105	31,761	30,
	VIRGINIA POLYTECHNIC INSTITUTE	10.310	USDA/VAPTRF RAPID ADAPTORPATER	42236319105	170,276	159,
				Total CFDA #10.310	6.383.276	6,035,
	Biomass Research and Development Initiative C Federal Flow Through From:	ompetitive (Grants Program (BRDI)			
	OHIO STATE UNIVERSITY	10 312	OS/USDA RF BIOENERGY MANI	60038218	17,623	16,
				Total CFDA #10.312	17,623	16,
	Sun Grant Program			10tal 01 DA #10.012	17,020	10,1
	Federal Flow Through From: UNIVERSITY OF TENNESSEE	10 220	USDA/ UT RF SYNTHETC FUL KASTN	8500032076	(13,707)	(13,7
	ONIVERSITY OF PENNESSEE	10.520	OSDA/ OT KL STRITLETOT GETASTR	Total CFDA #10.320	(13,707)	(13,7
	Crop Protection and Pest Management Competit	ivo Grante E	Irogram	10tal 01 DA #10.520	(10,707)	(10,
	Direct Federal Awards:	10.329	rogram		103,556	99,
		10.329			103,330	99,
	Federal Flow Through From:	40.220	NOCH DENEWIDM DILEV	2045000540	40.000	0
	NORTH CAROLINA STATE UNIV	10.329		2015008519	10,000	9,
	NORTH CAROLINA STATE UNIV		NCSU RF STINK BUG TOEWS	2015008521	1,048	!
	SOUTHERN REGION IPM CENTER	10.329	SRIC/USDARF W/293-628 AHMAD	2015008510	13,060	12,
	SOUTHERN REGION IPM CENTER	10.329	SRIC/USDARF SPOTTED WING AHMAD	2015008510	4,680	4,
				Total CFDA #10.329	132,344	126,
	Alfalfa and Forage Research Program					
	Federal Flow Through From:					
			MSU RF ALFALFA PERS TUCKE	1110022272501	8,137	7,0
	MISSISSIPPI STATE UNIVERSITY	10.330				
	MISSISSIPPI STATE UNIVERSITY	10.330	MIGO TRI ALI ALI AT ERO TOCKE	1110032273501 Total CFDA #10 330		
		10.330	WOO IN ALIALIATERO TOOKE	Total CFDA #10.330	8,137	
	Cooperative Extension Service		WIGO NI ALI ALI AT ENG TOOKE	_	8,137	7,0
		10.330	WIGO THE ALL ALL ENG TOURS	Total CFDA #10.330	8,137 101,865	7,0
	Cooperative Extension Service			Total CFDA #10.330 Total CFDA #10.500	8,137 101,865 101,865	7,0 101,6 101,6
	Cooperative Extension Service Direct Federal Awards:			Total CFDA #10.330	8,137 101,865	7,0 101,6 101,6
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service			Total CFDA #10.330 Total CFDA #10.500	8,137 101,865 101,865	7, 101, 101,
Nat	Cooperative Extension Service Direct Federal Awards:			Total CFDA #10.330 Total CFDA #10.500	8,137 101,865 101,865	7, 101, 101,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service			Total CFDA #10.330 Total CFDA #10.500	8,137 101,865 101,865	7, 101, 101,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program	10.500		Total CFDA #10.330 Total CFDA #10.500	8,137 101,865 101,865	7, 101, 101, 12,828,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From:	10.500	Total National I	Total CFDA #10.330 Total CFDA #10.300 Total CFDA #10.500 nstitute of Food and Agriculture	8,137 101,865 101,865 13,393,052	7,4 101,4 101,4 12,828,4
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From:	10.500	Total National I	Total CFDA #10.330 Total CFDA #10.500 nstitute of Food and Agriculture AGREEMENT	8,137 101,865 101,865 13,393,052	7, 101, 101, 12,828,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From: R STICAS DEL GUADALQUIVIR Soil and Water Conservation	10.500	Total National I	Total CFDA #10.330 Total CFDA #10.500 nstitute of Food and Agriculture AGREEMENT	8,137 101,865 101,865 13,393,052 1,004 1,004	7, 101, 101, 12,828,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From: R STICAS DEL GUADALQUIVIR	10.500	Total National I	Total CFDA #10.330 Total CFDA #10.330 Total CFDA #10.500 nstitute of Food and Agriculture AGREEMENT Total CFDA #10.072	8,137 101,865 101,865 13,393,052 1,004 1,004 10,797	7, 101, 101, 12,828,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From: R STICAS DEL GUADALQUIVIR Soil and Water Conservation Direct Federal Awards:	10.500	Total National I	Total CFDA #10.330 Total CFDA #10.500 nstitute of Food and Agriculture AGREEMENT	8,137 101,865 101,865 13,393,052 1,004 1,004	7, 101, 101, 12,828,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From: R STICAS DEL GUADALQUIVIR Soil and Water Conservation Direct Federal Awards:	10.500 10.072 10.902	Total National I	Total CFDA #10.330 Total CFDA #10.330 Total CFDA #10.500 nstitute of Food and Agriculture AGREEMENT Total CFDA #10.072	8,137 101,865 101,865 13,393,052 1,004 1,004 10,797 10,797	7, 101, 101, 12,828,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From: R STICAS DEL GUADALQUIVIR Soil and Water Conservation Direct Federal Awards:	10.500	Total National I	Total CFDA #10.330 Total CFDA #10.500 Institute of Food and Agriculture AGREEMENT Total CFDA #10.072 Total CFDA #10.902	8,137 101,865 101,865 13,393,052 1,004 1,004 10,797 10,797	7, 101, 101, 12,828, 10,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From: R STICAS DEL GUADALQUIVIR Soil and Water Conservation Direct Federal Awards: Soil Survey Direct Federal Awards:	10.500 10.072 10.902	Total National I	Total CFDA #10.330 Total CFDA #10.330 Total CFDA #10.500 nstitute of Food and Agriculture AGREEMENT Total CFDA #10.072	8,137 101,865 101,865 13,393,052 1,004 1,004 10,797 10,797	7, 101, 101, 12,828, 10,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From: R STICAS DEL GUADALQUIVIR Soil and Water Conservation Direct Federal Awards: Soil Survey Direct Federal Awards:	10.500 10.072 10.902	Total National I	Total CFDA #10.330 Total CFDA #10.500 Institute of Food and Agriculture AGREEMENT Total CFDA #10.072 Total CFDA #10.902	8,137 101,865 101,865 13,393,052 1,004 1,004 10,797 10,797	7, 101, 101, 12,828, 10,
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From: R STICAS DEL GUADALQUIVIR Soil and Water Conservation Direct Federal Awards: Soil Survey Direct Federal Awards: Environmental Quality Incentives Program Federal Flow Through From:	10.500 10.072 10.902	Total National I	Total CFDA #10.330 Total CFDA #10.500 Institute of Food and Agriculture AGREEMENT Total CFDA #10.072 Total CFDA #10.902	8,137 101,865 101,865 13,393,052 1,004 1,004 10,797 10,797	7,i 101,i 101,i 12,828,i 10,i 10,i
Nat	Cooperative Extension Service Direct Federal Awards: tural Resources Conservation Service Wetlands Reserve Program Federal Flow Through From: R STICAS DEL GUADALQUIVIR Soil and Water Conservation Direct Federal Awards: Soil Survey Direct Federal Awards:	10.500 10.072 10.902 10.903	Total National I	Total CFDA #10.330 Total CFDA #10.500 Institute of Food and Agriculture AGREEMENT Total CFDA #10.072 Total CFDA #10.902	8,137 101,865 101,865 13,393,052 1,004 1,004 10,797 10,797	101,4 101,4 12,828,3 110,4 110,4

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/					Total Federal	Amount Provided to
Office	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
	Wildlife Habitat Incentive Program					
	Direct Federal Awards:	10.914		T-1-1 0FDA #40 044	16,749	16,749
			Total Na	Total CFDA #10.914 atural Resources Conservation Service	16,749 148,603	16,749 140,743
Ru	ral Business-Cooperative Service		i otal ita	narai Nobeli ett ett ett ett ett ett ett ett ett et	1-10,000	140,740
	Rural Business Development Grant					
	Direct Federal Awards:	10.351			2,626	2,463
			Tot	Total CFDA #10.351 al Rural Business-Cooperative Service	2,626 2,626	2,463 2,463
Th	e Office of the Chief Economist		100	ai Rurai Business-Cooperative Service	2,020	2,403
	Agricultural Market and Economic Research					
	Federal Flow Through From: VIRGINIA POLYTECHNIC INSTITUTE	10.290	VPI RF BIG DATA ERA KARAL	42250319105	2 907	2 907
	VIRGINIAT GETTEGRINIC INSTITUTE	10.290	VPI RF BIG DATA ERA KARAL	Total CFDA #10.290	3,897	3,897
			т	otal The Office of the Chief Economist	3,897	3,897
-	tment of Commerce			Total Department of Agriculture	18,278,269	17,656,245
EC	onomic Development Administration Science and Research Park Development Grants					
	Federal Flow Through From:					
	RUTGERS UNIVERSITY	11.030	RF RR175-268 MOTE	5523	(68)	(65)
				Total CFDA #11.030	(68)	(65)
			Total E	Economic Development Administration	(68)	(65)
Na	tional Oceanic and Atmospheric Administration (NO	AA)				
	NOAA Mission-Related Education Awards Federal Flow Through From:					
	GA DEPT OF NATURAL RESOURCES	11.008	GADNR/DOCRF NESTING TRTLETU	IBER TUBERVILLE GRANT	5,108	5,108
	GA DEPT OF NATURAL RESOURCES	11.008	GA DNR RF NSTING TURTL	TUBERVILLE GRANT	13,666	13,666
				Total CFDA #11.008	18,774	18,774
	Ocean Exploration					
	Federal Flow Through From: GA DEPT OF NATURAL RESOURCES	11 011	GDNR/USDCRF INCNTVE GRNT AL	EXA AGREEMENT	44,851	43,364
	GA DEPT OF NATURAL RESOURCES		GDNR RF GCR 2016 ALBER	46210922216	22,952	22,952
	GA DEPT OF NATURAL RESOURCES		GDNR/USDCRF OXYGEN DATA SA		33,446	32,337
	GA DEPT OF NATURAL RESOURCES	11.011	GDNR/USDCRF BLACK GILL FRISC	C AGREEMENT _	2,353	2,275
				Total CFDA #11.011	103,602	100,928
	Integrated Ocean Observing System (IOOS) Federal Flow Through From:					
	SE COASTAL OCEAN OBSVG REG ASN	11 012	SECOORA RF RF_SUPPORT RENO	DAKE PENDG 6/1/ - 8/31/17	36,160	34,538
	SE COASTAL OCEAN OBSVG REG ASN		SECOORA RF OCEAN DATA SAVI		8,558	8,558
	SE COASTAL OCEAN OBSVG REG ASN	11.012	SCO/USDC RF OCEAN DATA SAVI	D IOOS11033UGASKIODS	8,291	7,720
	SE COASTAL OCEAN OBSVG REG ASN	11.012	SECORA RF DECISION-MKR SAVI		85,125	80,040
	SE COASTAL OCEAN OBSVG REG ASN	11.012	RF SECOORA EDWAR	IOOS16028UGASKIOCE	22,726	21,079
	Sea Grant Support			Total CFDA #11.012	160,860	151,935
	Direct Federal Awards:	11.417			1,578,250	1,510,121
				Total CFDA #11.417	1,578,250	1,510,121
	Coastal Zone Management Administration Awards					
	Federal Flow Through From:	44.440	DND DE OA OOUNOU ALBER	40040000047	040	040
	GA DEPT OF NATURAL RESOURCES	11.419	DNR RF GA COUNCIL ALBER	46210922217 Total CFDA #11.419	212	212
	Coastal Zone Management Estuarine Research Res	serves		Total OI DA #11.419	212	212
	Direct Federal Awards:	11.420			8,843	8,651
				Total CFDA #11.420	8,843	8,651
	Marine Sanctuary Program					
	Direct Federal Awards:	11.429		T-4-1 OFD A #44 400	603,414	574,191
	Climate and Atmospheric Research			Total CFDA #11.429	603,414	574,191
	Direct Federal Awards:	11.431			74,724	69,382
	Federal Flow Through From:				· ·,· - ·	55,552
	UNIVERSITY OF FLORIDA	11.431	FLA/USDC RF SCI & ASSEM	UFDSP00010510	17,686	16,607
				Total CFDA #11.431	92,410	85,989

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/ Office	Program	CEDA #	Project Name	Identifying Number	Total Federal Expenditures	Amount Provided to Subrecipients
Onice	Program	CPDA #	Project Name	identifying Number	Lybellatrates	Juniecipients
	National Oceanic and Atmospheric Administration Federal Flow Through From:	(NOAA) (Cooperative Institutes			
	GA DEPT OF NATURAL RESOURCES	11.432	GDNR RF SONAR SYSTEM ALEXA	AGREEMENT	40,128	40,128
				Total CFDA #11.432	40,128	40,128
	Marine Fisheries Initiative					
	Federal Flow Through From:					
	EAST CAROLINA UNIVERSITY	11.433	USDC/ECU RF FISHERY LANDR	A150050S001	44,449	42,516
	Weather and Air Quality Research			Total CFDA #11.433	44,449	42,516
	Direct Federal Awards:	11.459			62,285	57,772
	Direct i cuciai Awards.	11.400		Total CFDA #11.459	62,285	57,772
	Unallied Science Program				,	- ,
	Federal Flow Through From:					
	GA DEPT OF NATURAL RESOURCES	11.472	GDNR/NOAARF ATL STURGEON PETER	AGREEMENT	47,654	48,789
	GA DEPT OF NATURAL RESOURCES	11.472	GDNR NOAARF LGRHD TRTLPOPNAIRN	AGREEMENT NAIRN	223,387	215,979
	GA DEPT OF NATURAL RESOURCES	11.472	GDNR RF LOGGERHEAD NAIRN	AGREEMENT	253,854	246,039
	GA DEPT OF NATURAL RESOURCES	11.472	GDNR/USDCRF LOGGERHEAD MOORE	AGREEMENT	39,346	39,346
	GA DEPT OF NATURAL RESOURCES		GDNR/USDCRF ATL STURGEON PETER	AGREEMENT	2,978	2,978
	MOTE MARINE LABORATORY	11.472	RF SEX DETERMIN PETER	MML175343B	46,248	44,173
	NORTH PACIFIC RESEARCH BOARD	11.472	NPRB/USDCRF CHINOOK SLMN GROSS	1424 _	135,641	127,216
				Total CFDA #11.472	749,108	724,520
			Total National Oceanic and Atm	ospheric Administration (NOAA)	3,462,335	3,315,737
				Total Department of Commerce	3,462,267	3,315,672
	ment of Defense vanced Research Projects Agency Research and Technology Development Federal Flow Through From:					
	EMORY UNIVERSITY	12.910	EMORY RF THOR'S HAMME_GUTIE	PENDG THRU 10/8/2017	478,619	448,017
				Total CFDA #12.910	478,619	448,017
			Total Adva	nced Research Projects Agency	478,619	448,017
Def	ense Logistics Agency	_				
	Procurement Technical Assistance For Business F					
	Direct Federal Awards:	12.002		T-1-1 OFD 1 #40 000	68,178	64,579
				Total CFDA #12.002 Total Defense Logistics Agency	68,178 68,178	64,579 64,579
Def	ense Threat Reduction Agency			Total Deletise Logistics Agency	00,170	04,573
20.	Scientific Research - Combating Weapons of Mass	Destruct	ion			
	Direct Federal Awards:	12.351			176,314	163,796
	Federal Flow Through From: CRDF GLOBAL	10 251	CDRF/DOD RF FELLOW NATIA SALIK	SSGX16628290	14.022	14.022
	ONDI GEOBAE	12.331	CDRF/DOD RF FELLOW NATIA SALIK	Total CFDA #12.351	14,922 191,236	14,922 178,718
			Total De	efense Threat Reduction Agency	191,236	178,718
De	partment of the Air Force, Materiel Command Air Force Defense Research Sciences Program			,	,	,
	Direct Federal Awards:	12.800			731,554	717,281
	Federal Flow Through From: AZIMUTH CORPORATION	12 200	AZIMUTH RF RF COMPUT ANADENNI	2385404UGAD	17,732	16,447
	AZIMUTH CORPORATION		AZIMUTH RF RF_SINGLE CRYHAPPE	2385404UGAH	17,732	15,992
	SRI INTERNATIONAL		SRI/USAF RF TRACE LEE	19000270	100,690	93,394
	UTAH STATE UNIVERSITY RSCH FND	12.800		CP0039715	86,311	84,014
	VIRGINIA POLYTECHNIC INSTITUTE	12.800		45017419105	263,235	244,772
		12.000		Total CFDA #12.800	1,216,763	1,171,900
			Total Department of t	he Air Force, Materiel Command	1,216,763	1,171,900
De	partment of the Army, Office of the Chief of Engineer Aquatic Plant Control	s	·	·	, ,	, ,
	Direct Federal Awards:	12.100			56,030	54,216
				Total CFDA #12.100	56,030	54,216
	Beach Erosion Control Projects					
	Direct Federal Awards:	12.101		<u>-</u>	124,207	120,186
				Total CFDA #12.101	124,207	120,186
	Planning Assistance to States	40.445			107 100	400.00=
	Direct Federal Awards:	12.110		T-4-1 OFD 4 #40 440	107,439	103,960
				Total CFDA #12.110	107,439	103,960

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

uster/ gency/			d No.	Market to Mark	Total Federal	Amount Provided to
Office Program	CFDA #	Proje	ct Name	Identifying Number	Expenditures	Subrecipients
Collaborative Research and Development						
Federal Flow Through From:						
LYNNTECH INC	12.114		RF LIGHTWAVE PAN	AGREEMENT	14,661	13,599
NANO TERRA INC	12.114	NANG	D/UDA RF DURABLE FLAMEBHAT	STTRW911QY16P0270	46,646	43,266
UNIVERSITY OF MICHIGAN	12.114	UMI	RF CARE	3003179759	111,613	106,60
UNIVERSITY OF MICHIGAN	12.114	UMI/E	OOD RF CARE CONSORT	3003179759	25,650	24,49
				Total CFDA #12.114	198,570	187,97
			Total Department of the Ar	my, Office of the Chief of Engineers	486,246	466,33
Department of the Navy, Office of the Chief of Naval Ro	esearch					
Basic and Applied Scientific Research						
Direct Federal Awards:	12.300				847,085	797,96
Federal Flow Through From:						
UNIVERSITY OF NORTH TEXAS	12.300	UNT	RF RF_EXPAND ICOOWSIA	GF270701	57,571	53,39
				Total CFDA #12.300	904,656	851,36
			Total Department of the Navy, C	ffice of the Chief of Naval Research	904,656	851,36
Office of the Secretary of Defense						
Research on Chemical and Biological Defense						
Direct Federal Awards:	12.360			<u>-</u>	263,637	249,38
				Total CFDA #12.360	263,637	249,38
Basic, Applied, and Advanced Research in Science	_	ineerin	g			
Direct Federal Awards:	12.630				25,238	24,42
				Total CFDA #12.630	25,238	24,42
			Tota	al Office of the Secretary of Defense	288,875	273,80
U.S. Army Materiel Command						
Basic Scientific Research	40.404				044.000	005.74
Direct Federal Awards:	12.431			T-1-1 OFD 4 #40 404	214,206	205,74
				Total CFDA #12.431	214,206	205,74
H.O. Americ Modfood Comment				Total U.S. Army Materiel Command	214,206	205,74
U.S. Army Medical Command						
Military Medical Research and Development	40.400				004.050	074.00
Direct Federal Awards:	12.420				934,858	871,39
Federal Flow Through From: UNIV OF ARKANSAS/FAYETTEVILLE	12 420	шлг	DE STEM CELLS, WEST	SA1711151	22.752	20.00
ONIV OF ARRANGAGA ATETIEVILLE	12.420	UAF	RF STEM CELLS WEST	Total CFDA #12.420	32,753 967,611	30,98 902,37
					967,611	902,37
Uniformed Services University of the Health Sciences				Total U.S. Army Medical Command	907,011	902,37
Uniformed Services University Medical Research	Droincte					
Federal Flow Through From:	riojecis					
HENRY M. JACKSON FOUNDATION	12 750	нм і	DOD RF ENTERIC TRENT	3316 PO878679	74,970	69,53
TIETH THE GREEN TO GREEN THOM	12.700	TIIVIOI	ADOD KI ENTEKIO TKENT	Total CFDA #12.750	74,970	69,53
			Total Uniformed Service	es University of the Health Sciences	74,970	69,53
			Total official del vic	of the ricalar ociences	14,510	00,00
				Total Department of Defense	4,891,360	4,632,37
Department of the Interior				. 3.4 2 3 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1,001,000	.,002,0.
Department of the Interior						
Other Federal Assistance						
Direct Federal Awards:	15.OFA				62,513	60,76
				Total CFDA #15.OFA	62,513	60,76
				Total Department of the Interior	62,513	60,764
Bureau of Land Management				•	- ,	,
Cooperative Inspection Agreements with States a	nd Tribes					
Direct Federal Awards:	15.222				50,968	44,76
				Total CFDA #15.222	50,968	44,76
Fish, Wildlife and Plant Conservation Resource M	anagemen	t			•	,
Federal Flow Through From:	•					
EAST CAROLINA UNIVERSITY	15.231	ECAL	J/SKIORF CRA 93_395 ALALEXA	A130120S001	(669)	(65
			_			•
UNIV OF CALIFORNIA/DAVIS	15.231	CAL/I	JSDI RF W/267227 TUBER	20112084801	13,604	13,16
UNIV OF CALIFORNIA/DAVIS	15.231	CAL/I	JSDI RF W/267227TUBER	20112084801 Total CFDA #15.231	13,604 12,935	13,16 12,50

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/					Total Federal	Amount Provided to
Office	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
Bui	reau of Ocean Energy Management					
	Marine Minerals Activities - Hurricane Sandy					
	Direct Federal Awards:	15.424			72,193	69,855
	Federal Flow Through From:	45.404	000110 05 057001 001/ 41 574	0001051/0045040		440
	SC DEPT OF NATURAL RESOURCES	15.424	SCDNR RF PETROLOGY ALEXA	SCDNRFY2017018 Total CFDA #15.424	72,310	69,968
			Total Burea	u of Ocean Energy Management	72,310	69,968
Fis	h and Wildlife Service			a or occan among, management	. 2,0.0	00,000
	Fish and Wildlife Management Assistance					
	Direct Federal Awards:	15.608			21,728	21,032
	Federal Flow Through From:					
	GA DEPT OF NATURAL RESOURCES	15.608		AGREEMENT	9,493	13,081
	GA DEPT OF NATURAL RESOURCES GULF STATES MARINE FISHERIES C	15.608 15.608		4620897621626560 FWS8000372016UGA	50,916	49,271
	GULF STATES MARINE FISHERIES C	15.608		FWS8000372016UGA FWS8000372014UGA	18,820 1,622	18,211 1,569
	LOUISIANA DEPT WILDLIFE & FISH		LDWF RF WHITETAILED MILLE	2000152128	(338)	(338)
				Total CFDA #15.608	102,241	102,826
	Cooperative Endangered Species Conservation F	und				
	Direct Federal Awards:	15.615			13,238	12,809
	Federal Flow Through From:					
	GA DEPT OF NATURAL RESOURCES		GDNR RF STURGEON PETER	AGREEMENT	10,122	9,822
	GA DEPT OF NATURAL RESOURCES	15.615	GDNR/USDIRF RED-COCKADED NAIRN	AGREEMENT	24,999	24,170
	Wildlife Communities and Destauration			Total CFDA #15.615	48,359	46,801
	Wildlife Conservation and Restoration Federal Flow Through From:					
	AL DEPT OF CONSERVATION & NATU	15.625	RF RED WOODPCKR NAIRN	AGREEMENT	16,667	16,667
	GA DEPT OF NATURAL RESOURCES		GDNR RF ROB REDHORSE IRWIN	AGREEMENT	14,866	14,866
		10.020		Total CFDA #15.625	31,533	31,533
	State Wildlife Grants					
	Federal Flow Through From:					
	GA DEPT OF NATURAL RESOURCES	15.634		AGREEMENT	35,230	34,062
	GA DEPT OF NATURAL RESOURCES	15.634	GDNR USDIRF GPHR FROGS MAERZ	AGREEMENT MAERZ	25,809	24,953
	GA DEPT OF NATURAL RESOURCES	15.634	GDNR RF BEACH NESTINGCOOPE	AGREEMENT	11,822	11,430
	Migratory Bird Joint Ventures			Total CFDA #15.634	72,861	70,445
	Migratory Bird Joint Ventures Federal Flow Through From:					
	AL DEPT OF CONSERVATION & NATU	15.637	ADCNR RF RED WOODPCKR NAIRN	AGREEMENT	8,333	8,333
				Total CFDA #15.637	8,333	8,333
	Research Grants (Generic)					
	Direct Federal Awards:	15.650		_	29,501	28,545
				Total CFDA #15.650	29,501	28,545
	Migratory Bird Monitoring, Assessment and Cons				5.005	5 440
	Direct Federal Awards:	15.655		Total CEDA #45 CEE	5,695 5,695	5,440
	National Fish and Wildlife Foundation			Total CFDA #15.655	5,695	5,440
	Federal Flow Through From:					
	NATL FISH & WILDLIFE FDN	15.663	NFWF RF BIODIVERS WENGE	10215047037	41,668	40,757
				Total CFDA #15.663	41,668	40,757
	Cooperative Landscape Conservation					
	Federal Flow Through From:					
	WILDLIFE MANAGEMENT INSTITUTE	15.669	WMI/USDI RF BOBWHITES MARTI	201505	7,329	7,092
	Occupanting Francisco Ottodica Haite			Total CFDA #15.669	7,329	7,092
	Cooperative Ecosystem Studies Units Direct Federal Awards:	15.678			100 001	105 607
	Direct Federal Awards.	15.076		Total CFDA #15.678	109,001 109,001	105,607
				Total Fish and Wildlife Service	456,521	447,379
Nat	ional Park Service				.00,021	, 5 . 0
	Historic Preservation Fund Grants-In-Aid					
	Direct Federal Awards:	15.904			(123)	(119)
				Total CFDA #15.904	(123)	(119)
	Technical Preservation Services					
	Direct Federal Awards:	15.915		Total OFD A #45 045	38,390	37,147
				Total CFDA #15.915	38,390	37,147

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/ Office	Program	CFDA#	Project Name	ldentifying Number	Total Federal Expenditures	Amount Provided to Subrecipients
	Cooperative Research and Training Programs Res		the National Park System		F02 C02	F74 202
	Direct Federal Awards:	15.945		Total CFDA #15.945	593,603 593,603	574,383 574,383
				Total National Park Service	631,870	611,411
U.S	S. Geological Survey			Total National Fark Service	001,070	011,411
	Assistance to State Water Resources Research Ins	titutes				
	Federal Flow Through From:					
	GA INSTITUTE OF TECHNOLOGY	15.805	GIT/USDI RF RR722-228 TOLLN	RG692G2	1,000	1,000
	GA INSTITUTE OF TECHNOLOGY	15.805	GIT/USDI RF RIVER BASINS TOLLN	RG692G2	13,324	13,324
	GA INSTITUTE OF TECHNOLOGY	15.805	GIT/USGS RF STATE WATER RADCL	RG692G1	15,925	15,925
				Total CFDA #15.805	30,249	30,249
	U.S. Geological Survey- Research and Data Collect					
	Direct Federal Awards:	15.808			163,747	159,526
				Total CFDA #15.808	163,747	159,526
	Cooperative Research Units	45.040			202.252	074070
	Direct Federal Awards:	15.812		T-4-1 CED A #45 040	282,859	274,872
				Total CFDA #15.812	282,859	274,872
				Total U.S. Geological Survey	476,855	464,647
				Total Department of the Interior	1,763,972	1,711,440
Denart	tment of Justice			Total Department of the Interior	1,700,972	1,711,440
•	reau of Justice Assistance					
	Public Safety Officers' Educational Assistance					
	Federal Flow Through From:					
	GA DEPT OF NATURAL RESOURCES	16.615	GDNR/USDCRF STURGEON POP PETER	AGREEMENT	27,833	26,906
				Total CFDA #16.615	27,833	26,906
			To	tal Bureau of Justice Assistance	27,833	26,906
Nat	tional Institute of Justice					
	National Institute of Justice Research, Evaluation,	and Deve	opment Project Grants			
	Federal Flow Through From:					
	BOSTON UNIVERSITY		BOST/NIJ RF W/771-045	4500001517	22,763	21,147
	BOSTON UNIVERSITY	16.560	BU RF SEX TRAFFIC CORSO	4500001996	27,447	25,485
			_	Total CFDA #16.560	50,210	46,632
			Т	otal National Institute of Justice	50,210	46,632
				Total Department of Instinct	70.040	70 500
Danari	tment of State			Total Department of Justice	78,043	73,538
-	tment of State					
Du	reau of International Security and Nonproliferation Global Threat Reduction					
	Direct Federal Awards:	19.033			83,856	80,094
	bilect i ederal Awards.	13.000		Total CFDA #19.033	83,856	80,094
	Export Control and Related Border Security				33,333	33,53
	Direct Federal Awards:	19.901			1,187,607	1,134,331
				Total CFDA #19.901	1,187,607	1,134,331
			Total Bureau of Internation	al Security and Nonproliferation	1,271,463	1,214,425
Off	ice of the Coordinator of U.S. Assistance to Europe a	and Euras		-		
	AEECA/ESF PD Programs					
	Direct Federal Awards:	19.900			88,850	83,770
				Total CFDA #19.901	88,850	83,770
			Total Office of the Coordinator of U.S. As	ssistance to Europe and Eurasia	88,850	83,770
De	partment of State					
	General Department of State Assistance					
	Direct Federal Awards:	19.700		<u>-</u>	80,188	76,591
				Total CFDA #19.700	80,188	76,591
				Total Department of State	80,188	76,591
				Total Bonnie and State	4.440.504	4 67 4 76 7
				Total Department of State	1,440,501	1,374,786

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Program Pro	Cluster/ Agency/	Decrees	CEDA "	Duc!	Name	Idouble in a Nime bee	Total Federal Expenditures	Amount Provided to
Federal Highway Administration (FHWA) Highway Research and Development Program Faderal Flow Through From: GA DEPT OF TRANSPORTATION 20,200 GDOT RF REVIEW OF SP_WENGE 201509 11,074 43,161 GDOT RF REVIEW OF SP_WENGE 201509 17,074 43,161 GDOT RF REVIEW OF SP_WENGE 201509 17,074 67,275 17,074 67,275 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,074 17,07	Office	Program	CFDA #	Project	ıvame	Identifying Number	expenditures	Subrecipients
Highway Research and Development Program Federal Flow Through From: CAD LEPT OF TRANSPORTATION 20 200 GBU RF REVIEW OF SP_WENGE 201569 11,809 11,807 3,377 3,377 42,681 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188 40,188	Depart	ment of Transportation						
Poderal Flow Through From: GA DEPT OF TRANSPORTATION 20 200 GDOT RF REVIEW OF SP_WENGE 201599 11,9374 3.377 3.377 3.377 3.377 KENNESAW STATE U RESCH & SVC FN 20 200 KSU RF ASPHALT PAVE KIM 150188432006UCARF01 3.3679 3.377 4.018 4.018 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.001 5.	Fed	deral Highway Administration (FHWA)						
CAD DEPT OF TRANSPORTATION 20.00 GODT RF REVIEW OF SP., WENDER 201508 11.939 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77 11.939 33.77								
KENNESAW STATE URSOH & SVC PN 20.00 KSU R. ASPHALT PAVE KIM 19018430098UCARFOI 42.55 40.181								
Mathonal Acronautics and Space Administration Mathonal Acronautics and Mathonal Acronautics Mathonal Acrona					_			
SOUTHERN POLYTECHNIC STATE UNW 20.200 SPARC RF PAVEMENTS CHORZ Total Federal Highway Administration (FHWA) 67.216								
Total Federal Transit Administration (FTA) Total Federal Highway Administration (FTM) 71,784 67.216								
Total Federal Transit Administration (FTA)		SOUTHERN POLYTECHNIC STATE UNV	20.200	SPARC	REPAVEMENTS CHORZ			
Metopolitan Transportation Planning and State and Non-Metropolitan Planning and Research Federal Flow Through From: GA DEPT OF TRANSPORTATION 20.505 GDT RF CAVE DWELLING CASTL 13.13 GDOT RP 53.278 59.888 GA DEPT OF TRANSPORTATION 20.505 GDT RF CAVE DWELLING CASTL 13.13 GDOT RP 53.278 59.888 Total Federal Transit Administration (FTA) 61.315 58.564 Total Federal Transit Administration (FTA) 61.315 58.564 Total Popartment of Transportation 13.30.99 125.760 National Aeronautics and Space Administration 30.001 20.2346 Direct Federal Awards: 43.001 40.001 20.2346 20.2346 Federal Flow Through From: 43.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001 40.001					Total Fadama			
Metropolitan Transportation Planning and State and Non-Motropolitan Planning and Research Federal Flow Through From: GA DEPT OF TRANSPORTATION 20.505 GDUT STORM PROCHAME 1.800 1.301 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1.800 1	Eor	loral Transit Administration (ETA)			i otal Federal	Highway Administration (FHWA)	71,784	07,210
GA DEPT OF TRANSPORTATION	rec	• •	nd Non-Me	tropolita	n Planning and Research			
GA DEPT OF TRANSPORTATION 20.505 GDT RF CAVE DWELLING CASTL 1331 DDOT RP 512.778 59.848 Total Federal Transit Administration (FTA) 61.315 58.594 Total Department of Transportation 133.099 125.780 National Aeronautics and Space Administration National Aeronautics and Space Administration Backet Space Administration Science Direct Federal Awards: 43.001 AUNIANA RF ATOMIC FINE STANC 15PHY208376UGARF 22.212 22.155 CALL FORDIAN INTO TE TECHNOLOGY 43.001 CITANASA RF ATOMIC FINE STANC 15PHY208376UGARF 22.212 22.155 CALL FORDIAN INTO TE TECHNOLOGY 43.001 CITANASA RF DEBRIS DISKS SONG RSA1467012 817 817 TROUT UNLIMITED - NATIONAL OFC 43.001 TU R F SALMONID F5H WENCE NASACA2 39.980 38.215 UNIVERSITIES SPACE RESEARCH AN 43.001 USR RF DUST STAR SONG NAS27001 227 227 UNIVERSITIES SPACE RESEARCH AN 43.001 USR RF DUST STAR SONG NAS27001 227 227 UNIVERSITIES SPACE RESEARCH AN 43.001 USRA RF RF_CORLAST SPSONG SOF0300985ONG 13.500 13.500 UNIVERSITIES SPACE RESEARCH AN 43.001 USRA NER F. FORCAST SPSONG SOF0300985ONG 13.500 13.500 UNIVERSITIES SPACE RESEARCH AN 43.001 USRA NER F. FORCAST SPSONG SOF040130 6.966 6.966 UNIVERSITIES SPACE RESEARCH AN 43.001 USRA NER F. FORCAST SPSONG SOF040130 1.435.540 1.371.748 Education Direct Federal Awards: 43.009 USRA NER F. FORCAST SPSONG SOF040130 77.744 277.7442 Cross Agency Support Direct Federal Awards: 43.009 STSINASARF RF ABS LIPP TOTAL CFDA #43.000 1.435.540 1.371.748 1.21.73 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.744 1.7		-						
National Aeronautics and Space Administration Science Direct-Federal Awards: 43.001 AUNISAR RF ATOMIC FINE STANC AUDITION DIVERSITY AUDITI			20.505	GDOT	JSDOTRF GA HIGHWY 96 CHAMB	1-Nov	8,037	7,676
National Aeronautics and Space Administration National Aeronautics and Space Aeronautics National Aeronautics and Space Aeronautics National Aeronautics Natio		GA DEPT OF TRANSPORTATION	20.505	GDT	RF CAVE DWELLNG CASTL			
National Aeronautics and Space Administration 133,099 125,780 National Aeronautics and Space Administration Science 43,001 43,001 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,252,346 1,25								
National Aeronautics and Space Administration National Aeronautics and Space Administration Science Direct Federal Awards: 43.001					Total Fed	leral Transit Administration (FTA)	61,315	58,564
National Aeronautics and Space Administration National Aeronautics and Space Administration Science Direct Federal Awards: 43.001					To	ital Danartmant of Transportation	122 000	125 790
National Aeronautics and Space Administration Science Control Contro	Nation	al Agranautics and Space Administration			10	tal Department of Transportation	133,099	123,760
Direct Federal Awards: 43.001		•						
Direct Federal Awards: 43.001 AU/NASA RF ATOMIC FINE STANC 15PHY209376UGARF 28.212 26.195 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20.1076 20	1144	•						
Pederal Flow Through From: AUBURN DINVIRSRITY 43.001 AUINASA RF ATOMIC FINE STANC 15PHY209376UGARF 28.212 28.195		********	43.001				1.311.405	1.252.346
AUBURN UNIVERSITY 43,001 AUMASA RE ATOMIC FINE STANC 15PHY20937BUCARF 28,212 26,195 CALIFORNIA INSTO F TECHNOLOGY 43,001 UTUR RESALMONID FSH WENGE NASAGA2 39,980 38,215 UNIVERSITIES SPACE RESEARCH AN 43,001 USRA STANC NASAGRA2 39,980 38,215 UNIVERSITIES SPACE RESEARCH AN 43,001 USRA STANC SONG NASAGRA2 39,980 38,215 UNIVERSITIES SPACE RESEARCH AN 43,001 USRA STANC SONG NASAGRA2 39,980 38,215 UNIVERSITIES SPACE RESEARCH AN 43,001 USRA STANC SONG NASAGRA2 39,980 38,215 UNIVERSITIES SPACE RESEARCH AN 43,001 USRA RE PURITY STAR SONG NASAGRA2 21,319 21,319 UNIVERSITIES SPACE RESEARCH AN 43,001 USRA RE PURITY STAR SONG SOF030099SONG 13,500 6,986 6,986 0UNIVERSITIES SPACE RESEARCH AN 43,001 USRA RE PURITY STAR SONG SOF040130 13,124 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12,173 12			10.001				1,011,100	1,202,010
TROUT UNLIMITED - NATIONAL OFC 43.001 TU RF SALMONID FSH WENCE NASACACA 39.980 38.215 UNIVERSITIES SPACE RESEARCH AN 43.001 USR RF DUSTY STAR SONG NAS297001 227 227 UNIVERSITIES SPACE RESEARCH AN 43.001 USRAWASARF RF_FORCAST SPSONG SOF030099SONG 13.500 13.500 UNIVERSITIES SPACE RESEARCH AN 43.001 USRAWASARF RF_FORCAST SPSONG SOF040126 21.319 21.319 UNIVERSITIES SPACE RESEARCH AN 43.001 USRAWASARF RF_FORCAST SPSONG SOF040126 21.319 21.319 UNIVERSITY OF FLORIDA 43.001 UF.NASA RF TABS LIPP UFDSP00011403 6.956 6.9586 UNIVERSITY OF FLORIDA 43.001 UF.NASA RF TABS LIPP UFDSP00011403 13.124 12.173 Education Direct Federal Awards: 43.002 Total CFDA #43.008 77.442 77.442 Cross Agency Support Direct Federal Awards: 43.009 STSI/NASARF H2/HD DATA STANC HSTAT13899011A 30.035 27.888 SPACE TELESCOPE SCIENCE INST 43.009 STSI/NASARF H2/HD DATA STANC HSTAT13899011A 30.035 27.888 SPACE TELESCOPE SCIENCE INST 45.312 70.141 National Aeronautics and Space Administration 1.580.854 1.512,173 Institute of Museum and Library Services National Ladorship Grants Direct Federal Awards: 45.312 Total National Aeronautics and Space Administration 1.580.854 19.232 National Endowment for the Humanities National Endowmen		· ·	43.001	AU/NA	SA RF ATOMIC FINE STANC	15PHY209376UGARF	28,212	26,195
UNIVERSITIES SPACE RESEARCH AN 43.001 USR REDUSTY STAR SONG NAS297001 227 227 227 UNIVERSITIES SPACE RESEARCH AN 43.001 USRA/NASARF RF-FORCAST SPSNG SOF03099SONG 13.500 13.500 13.500 UNIVERSITIES SPACE RESEARCH AN 43.001 USRA RF RF_WARM DISK SONG SOF040126 21.319 21.319 UNIVERSITIES SPACE RESEARCH AN 43.001 USRA RF RF_COLL DISK SONG SOF040130 6.956 6.956 UNIVERSITY OF FLORIDA 43.001 USRA RF RF_COLL DISK SONG SOF040130 13.124 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173 12.173		CALIFORNIA INST OF TECHNOLOGY	43.001	CIT/NA	SA RF DEBRIS DISKS SONG	RSA1487912	817	817
UNIVERSITIES SPACE RESEARCH AN 43.001 USRA/MASAFF RF_FORCAST SPSONG SOF030099SONG 13,500 13,500 UNIVERSITIES SPACE RESEARCH AN 43.001 USRA RF RF_WARM DISK SONG SOF040130 6,956 6,956 6,956 0,956 UNIVERSITY OF FLORIDA 43.001 USRA RF RF_COLL DISK SONG SOF040130 6,956 6,956 6,956 0,956 UNIVERSITY OF FLORIDA 43.001 USRA RF RF_COLL DISK SONG SOF040130 13,124 12,173 Total CFDA #43.001 1,435,540 13,174 4 12,173 Total CFDA #43.001 1,435,540 13,174 4 12,173 Total CFDA #43.001 1,435,540 13,174 4 12,173 Total CFDA #43.001 1,435,540 17,142 T7,442 T		TROUT UNLIMITED - NATIONAL OFC	43.001	TU	RF SALMONID FSH WENGE	NASAGA2	39,980	38,215
UNIVERSITIES SPACE RESEARCH AN 43.001 USRA RF RF_WARM DISK SONG SOF040126 21.319 21.319 UNIVERSITIES SPACE RESEARCH AN 43.001 USRA RF RF_COLL DISK SONG SOF040130 6,956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956 6.956			43.001	USR	RF DUSTY STAR SONG	NAS297001	227	227
UNIVERSITIES SPACE RESEARCH AN UNIVERSITY OF FLORIDA					-		,	•
UNIVERSITY OF FLORIDA					_		,	
Education 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,748 1,371,78 1,371,78 1,371,78 1,371,78 1,371,78 1,371,78					_			
Education Direct Federal Awards: 43.008 Total CFDA #43.008 Total CFDA #43.009 Tot		UNIVERSITY OF FLORIDA	43.001	UF/NA	SA RETABS LIPP	-		
Direct Federal Awards: 43.008 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77.442 77		Education				Total CFDA #43.001	1,435,540	1,3/1,/48
Cross Agency Support			12 000				77 442	77 442
Cross Agency Support 43.009 37.837 35.095 Federal Flow Through From: SPACE TELESCOPE SCIENCE INST 43.009 STSI/NASARF H2/HD DATA STANC HSTAR13899001A 30.035 27.888 SPACE TELESCOPE SCIENCE INST 43.009 STSI/NASARF H2/HD DATA STANC HSTAR13899001A 30.035 27.888 Total National Aeronautics and Space Administration 1,580,854 1,512,173 Institute of Museum and Library Services National Leadership Grants 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 National Endowment for the Humanities National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886 National Endowment for the Humanities		Direct Federal Awards.	43.006			Total CEDA #43 008		
Direct Federal Awards: 43.009		Cross Agency Support				10tal Cl DA #43.000	11,442	77,442
Federal Flow Through From: SPACE TELESCOPE SCIENCE INST			43 000				37 837	35.095
SPACE TELESCOPE SCIENCE INST 43.009 STSI/NASARF H2/HD DATA STANC HSTAR13899001A Total CFDA #43.009 67,872 62,983 62,983 Total National Aeronautics and Space Administration 1,580,854 1,512,173 Institute of Museum and Library Services Institute of Museum and Library Services National Leadership Grants Direct Federal Awards: 45.312 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 National Endowment for the Humanities Promotion of the Huma			10.000				07,007	00,000
Total CFDA #43.09 67,872 62,983 Total National Aeronautics and Space Administration 1,580,854 1,512,173 Total National Aeronautics and Space Administration 1,580,854 1,512,173 Institute of Museum and Library Services Institute of Museum and Library Services National Leadership Grants 20,135 19,232 Direct Federal Awards: 45,312 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 National Endowment for the Humanities Promotion of the Humanities - Research Federal Flow Through From: GA STATE UNIVERSITY 45,161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886 18,886 Total National Endowment for the Humanities 20,361 18,886 18,886 Total National Endowment for the Humanities 20,361 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886 18,886			43.009	STSI/N	ASARF H2/HD DATA STANC	HSTAR13899001A	30.035	27.888
Total National Aeronautics and Space Administration 1,580,854 1,512,173 Total National Aeronautics and Space Administration 1,580,854 1,512,173 Institute of Museum and Library Services Institute of Museum and Library Services National Leadership Grants Direct Federal Awards: 45.312 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 National Endowment for the Humanities National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886								
Institute of Museum and Library Services Institute of Museum and Library Services National Leadership Grants Direct Federal Awards: 45.312 45.312 Total CFDA #45.312 Total Institute of Museum and Library Services Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 National Endowment for the Humanities National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 SP00012					Total National Aeror	nautics and Space Administration	1,580,854	1,512,173
Institute of Museum and Library Services Institute of Museum and Library Services National Leadership Grants Direct Federal Awards: 45.312 45.312 Total CFDA #45.312 Total Institute of Museum and Library Services Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 National Endowment for the Humanities National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 SP00012						·		
Institute of Museum and Library Services National Leadership Grants Direct Federal Awards: 45.312 Total CFDA #45.312 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 National Endowment for the Humanities National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU/NEHRF RF_REPARATIVESAMP SP0001261901 Total CFDA #45.161 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886					Total National Aeror	nautics and Space Administration	1,580,854	1,512,173
National Leadership Grants Direct Federal Awards: 45.312 20,135 19,232 Total CFDA #45.312 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 Total Institute of Museum and Library Services 20,135 19,232 National Endowment for the Humanities National Endowment for the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886	Institut	te of Museum and Library Services						
Direct Federal Awards: 45.312 20,135 19,232 19,232 20,135 19,232 20,135 19,232 20,135 19,232 20,135 19,232 20,135 19,232 20,135 19,232 20,135 19,232 20,135 19,232 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,135 20,	Ins							
Total CFDA #45.312 20,135 19,232		•						
National Endowment for the Humanities National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886		Direct Federal Awards:	45.312			-		
National Endowment for the Humanities National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886								
National Endowment for the Humanities National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886					Total Institute	of Museum and Library Services	20,135	19,232
National Endowment for the Humanities National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886					Total Institute	of Museum and Library Convices	20 125	10.222
National Endowment for the Humanities Promotion of the Humanities-Research Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886	Nation	al Endowment for the Humanities			i otai institute	oi museum and Library Services	20,135	19,232
Promotion of the Humanities-Research Federal Flow Through From: 45.161 GSU / NEHRF RF_REPARATIVESAMP \$P0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886								
Federal Flow Through From: GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total CFDA #45.161 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886	ING							
GA STATE UNIVERSITY 45.161 GSU / NEHRF RF_REPARATIVESAMP SP0001261901 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886								
Total CFDA #45.161 20,361 18,886 Total National Endowment for the Humanities 20,361 18,886			45 161	GSU /	NEHRE RE REPARATIVESAMP	SP0001261901	20.361	18 886
Total National Endowment for the Humanities 20,361 18,886			-10.101	23071	TELLIS TO THE PROPERTY LOCATION	-		
					Total Nation			,
Total National Endowment for the Humanities 20,361 18,886							,	,- 30
					Total Nation	al Endowment for the Humanities	20,361	18,886

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/					Total Federal	Amount Provided to
Office	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
Nationa	al Science Foundation					
Nat	ional Science Foundation					
	Engineering Grants					
	Direct Federal Awards:	47.041			1,575,162	1,475,646
	Federal Flow Through From:	47.044	47 PELVIO WAY OLD WALTE	.==		55.004
	ARIZONA BOARD OF REGENTS BIOTECERA INC	47.041		15744	60,263	55,984
	BIOTECERA INC	47.041	RF STTR BIO-BASEYAN	AGREEMENT AGREEMENT	97,297	90,247
	COLORADO STATE UNIVERSITY	47.041 47.041	RF STTR PHASE I YAN CSU/NSF RF U-WIN BLEDS	G0097314	(1,189) 3,317	(1,103) 3,077
	INTERACTIVE SCIENCE IN 3D LLC	47.041	IS/NSF RF SBIR PHSE II HODGE	NSFUGA2	21,106	19,597
	INTERACTIVE SCIENCE IN 3D LLC	47.041	IS/NSF RF RR246-076 PS HODGE	NSFUGA2	5,300	5,300
	INTERACTIVE SCIENCE IN 3D LLC	47.041	IS3D/NSF RF AUTHENTC INQ JOHNS	AGREEMENT	63,896	59,266
	MASSACHUSETTS INST OF TECH	47.041	MIT/NSF RF EMERGENT BEHVSTICE	5710002870	90,839	85,298
	MASSACHUSETTS INST OF TECH	47.041	MIT RF CELL SYSTEM STICE	PEND 3/1/17-8/31/17	61,523	57,770
	PHI OPTICS INC	47.041	RF PHASE II STICE	AGREEMENT	17,112	16,049
	REMEDIUM TECHNOLOGIES INC	47.041	RF SPRAY FOAM STICE	AGREEMENT	1,456	1,366
	UNIV OF CALIFORNIA/RIVERSIDE	47.041	UCR/NSF RF EFRI 2 DARE SALGU	S000677	88,034	81,740
	UNIVERSITY OF WASHINGTON	47.041	UW/NSF RF I/UCRC PH II DAHLE	UWSC8844	13,558	13,340
				Total CFDA #47.041	2,097,674	1,963,577
	Mathematical and Physical Sciences					
	Direct Federal Awards:	47.049			3,871,300	3,654,842
	Federal Flow Through From:					
	UNIVERSITY OF NOTRE DAME	47.049	UND/NSF RF OLIGOSACCH WOODS	202406UGA	(27,170)	(25,228)
	WASHINGTON STATE UNIVERSITY	47.049	WASH/NSF RF LIGNOCELLULS PETER	118359G003147	32,540	30,230
				Total CFDA #47.049	3,876,670	3,659,844
	Geosciences	47.050			5 405 000	4 000 400
	Direct Federal Awards:	47.050			5,135,889	4,903,133
	Federal Flow Through From: DUKE UNIVERSITY	47.050	DU/NSF RF RR272-497 MARKE	44NCE4070	04.007	70 747
	DUKE UNIVERSITY	47.050		14NSF1076 14NSF1076	84,927	79,747 58,273
	DUKE UNIVERSITY		DU/NSF RF RR272-497 MARKE	14NSF1076	62,058 25,783	24,227
	DUKE UNIVERSITY		DU/NSF RF RR272-497 MARKE	14NSF1076	23,532	22,097
	DUKE UNIVERSITY		DU/NSF RF CRITICAL ZNE MARKE	14NSF1076	111,035	104,262
	FLORIDA INSTITUTE TECHNOLOGY		FIT/NSF RF VULPES SARMI	201984	26,541	25,350
	MARINE BIOLOGICAL LABORATORY		MBL/NSF RF PIE-LTER	45245	73,516	70,218
	MARINE BIOLOGICAL LABORATORY	47.050	MBL/NSF RF PLUM ISLAND HOPKI	40617	(1)	(1)
	UNIVERSITY OF FLORIDA	47.050	UFL/NSF RF CORAL VERMETIOSENB	UFDSP00010619	105,502	100,769
	UNIVERSITY OF MINNESOTA	47.050	MINN/NSF RF RCN-SEES SHEPH	H002949501	5,353	4,973
	UNIVERSITY OF NEW HAMPSHIRE	47.050	UNH/NSF RF LUQUILLO THOMP	14062	30,715	28,842
	WOODS HOLE OCEANOGRAPHIC INST	47.050	WHOI/NSF RF VIRAL LYSIS HARVE	A101278	149,876	139,029
				Total CFDA #47.050	5,834,726	5,560,919
	Computer and Information Science and Enginee	ring				
	Direct Federal Awards:	47.070			720,832	676,386
	Federal Flow Through From:					
	REGENTS OF UNIVERSITY OF CALIF		UC/NSF RF STEM FIORE	KK1715	69,590	65,372
	UNIV ILLINOIS-URBANA CHAMPAIGN		UIL/NSF RF RFXSEDE 2.0 BEREN	083842-16089	30,519	28,307
	VIRGINIA COMMONWEALTH UNIV	47.070	VCU RF EAGER PIDAP	PT109715SC107109	23,516	21,812
	5			Total CFDA #47.070	844,457	791,877
	Biological Sciences	47.074			40 004 004	44.007.745
	Direct Federal Awards:	47.074			12,284,984	11,687,745
	Federal Flow Through From: COLORADO STATE UNIVERSITY	47.074	CSU/NSF RF COMPU DESIGN FERRE	G906402	147,369	138,235
	COLORADO STATE UNIVERSITY		CSU/NSF RF PS W/168682	G906402	4,334	4,334
	CORNELL UNIVERSITY		CU/NSF RF MAIZE SHOOT ZHANG	6736410061	121,461	112,837
	EMORY UNIVERSITY		EMORY/NSFRF CANID BRAIN KENT	T663404	13,092	12,143
	IOWA STATE UNIVERSITY		IOWA/NSF RF EVOL GENOMIC PATER	4206182B	784,052	737,118
	PENNSYLVANIA STATE UNIVERSITY		PENN/NSF RF AMBORELLA LEEBE	4190UGNSF2742	133,350	123,882
	PENNSYLVANIA STATE UNIVERSITY		PENN/NSF RF PS 167-546 LEEBE	4190UGNSF2742	2,500	2,500
	STANFORD UNIVERSITY		SU/NSF RF COASTAL ECOS WOODS	60952094105804C	3,487	3,331
	UNIV NORTH CAROLINA CHAPEL HIL		UNC/NSF RF PLEIOTROPIC DYER	PENDG 05/01-07/31/17	25,299	23,490
	UNIV OF CALIFORNIA/DAVIS		UCD RF ZYGOTIC GENE GENT	PENDG 7/1/7-9/30/17	82,683	76,692
	UNIV OF CALIFORNIA/RIVERSIDE		UNIV CA RF N MOFFEY SCHMI	S000905	10,820	10,036
	UNIV OF PUERTO RICO/RIO PIEDRA		UPR/NSF RF W/ 551574	20140	7,157	6,836
	UNIV OF PUERTO RICO/RIO PIEDRA	47.074	UPR RF RF_MOTE W551617 PR	2016008	18,191	17,375
	UNIV OF PUERTO RICO/RIO PIEDRA		UPR/NSF RF LTER IV PRING	55660433760	322	252

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

uster/ gency/				Total Federal	Amount Provided to
Office Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipient
UNIV OF PUERTO RICO/RIO PIEDRA	47.074	UPR/NSF RF SUPP 551-410 PRING	55660433760	3,552	2,78
UNIV OF PUERTO RICO/RIO PIEDRA	47.074	UPR/NSF RF ENVIRO PR PRING	20140	(832)	(79
UNIV OF PUERTO RICO/RIO PIEDRA		UPR/NSF RF W/ 551574 COVICH	20140	2,653	2,53
UNIV OF PUERTO RICO/RIO PIEDRA	47.074	_	2016008	44,969	43,41
UNIV OF PUERTO RICO/RIO PIEDRA	47.074	_	2016008	9,121	8,71
UNIV OF PUERTO RICO/RIO PIEDRA	47.074		2016008	370	3:
UNIVERSITY OF FLORIDA	47.074	*****	UFDSP00010779	11,923	11,18
UNIVERSITY OF PITTSBURGH		UPENN/NSFRF ABI INNOVATN QUINN	PNDG 8/1-10/31/2017	141,516	132,3
UNIVERSITY OF PITTSBURGH		UPENN/NSFRF RFABI INNOVATN REE	PNDG 8/1-10/31/2017	70,085	65,0
VIRGINIA POLYTECHNIC INSTITUTE		VAPT/NSF RF CELLS AS INTEFREEM	47890619105		,
VINGINIAT GETTEGITING INGTITUTE	47.074	VAP I/NOF RE CELLO AO INTERREEM	Total CFDA #47.074	36,514 13,958,972	13,256,2
Social, Behavioral, and Economic Sciences				,	,,_
Direct Federal Awards:	47.075			752,582	711,3
Federal Flow Through From:					
CORNELL UNIVERSITY	47.075	CORNELL RF CENSUS RSCH SCHMU	6418410689	59,990	55,6
WAKE FOREST UNIVERSITY	47.075	WFU/NSF RF RF_WOODY COVEHOLD	O 17023	21,468	20,5
		_	Total CFDA #47.075	834,040	787,5
Education and Human Resources					
Direct Federal Awards:	47.076			3,657,950	3,506,4
Federal Flow Through From:					
CLARKSON UNIVERSITY	47.076	CU RF COMPASS BLACK	1001981	74,613	69,2
GA STATE UNIVERSITY	47.076	GSU/NSF RF CYBER SEC SONG	SP0001135101	13,034	12,3
GRAND VALLEY STATE UNIVERSITY	47.076	GVSU RF HIGH IMPACT KAPLA	GVSU21548701	48,844	45,3
INDIANA UNIVERSITY	47.076	IU RF STRUCTURE BRADS	BL4842404UGA	130,369	122,5
UNIV OF WISCONSIN MADISON	47.076		655K406	11,421	10,5
UNIVERSITY OF TEXAS /AUSTIN		UT/NSF RF TRIADS EBY	UTA14001120	24,200	22,4
UNIVERSITY OF TEXAS/AGSTIN	47.076	OT/NSF RETRIADS EBT	Total CFDA #47.076	3,960,431	3,789,0
Polar Programs			10tal 01 DA #41.070	0,500,401	0,700,0
Federal Flow Through From:					
PURDUE UNIVERSITY	47 078	NSF/PURDURF COPPER TECH SPEAK	410147205	1,804	1,8
	47.070	THOIR GREEK CONTENT TO EXECUTE	Total CFDA #47.078	1,804	1.8
Office of International Science and Engineering				1,221	-,-
Direct Federal Awards:	47.079			18,026	17,1
Federal Flow Through From:				.0,020	,.
UNIVERSITY OF NEVADA LAS VEGAS	47 070	NEVAD/NSFRF HOT SPRING ZHANG	11707DD	54	
CHIVEROIT OF NEVABRERO VEGRO	47.075	NEVAD/NOTRI HOTOTRING ZHANG	Total CFDA #47.079	18,080	17,2
Office of Cyberinfrastructure				,	,
Direct Federal Awards:	47.080		_	243,899	229,4
			Total CFDA #47.080	243,899	229,4
			Total National Science Foundation	31,670,753	30,057,4
		•	Total National Science Foundation	31,670,753	30,057,4
Department of Veterans Affairs					
VA Health Administration Center					
Sharing Specialized Medical Resources					
Direct Federal Awards:	64.018			10,238	10,2
			Total CFDA #64.018	10,238	10,2
		Tota	al VA Health Administration Center	10,238	10,2
					40.0
		To	otal Department of Veterans Affairs	10,238	10,2
Environmental Protection Agency		To	otal Department of Veterans Affairs	10,238	10,2
Environmental Protection Agency Office of Air and Radiation		То	otal Department of Veterans Affairs	10,238	10,2
Office of Air and Radiation		То	otal Department of Veterans Affairs	10,238	10,2
Office of Air and Radiation Air Pollution Control Program Support		То	otal Department of Veterans Affairs	10,238	10,2
Office of Air and Radiation	66 NN1				
Office of Air and Radiation Air Pollution Control Program Support Federal Flow Through From: AMEC INC		AMEC/EPA RF CASTNET III FLITC	6064130418	3,014	3,0
Office of Air and Radiation Air Pollution Control Program Support Federal Flow Through From:			6064130418 F013900830	3,014 895	3,0 8
Office of Air and Radiation Air Pollution Control Program Support Federal Flow Through From: AMEC INC		AMEC/EPA RF CASTNET III FLITC	6064130418 F013900830 Total CFDA #66.001	3,014 895 3,909	3,0 8 3,8
Office of Air and Radiation Air Pollution Control Program Support Federal Flow Through From: AMEC INC AMEC INC		AMEC/EPA RF CASTNET III FLITC	6064130418 F013900830	3,014 895	3,0 8 3,8 3,8
Office of Air and Radiation Air Pollution Control Program Support Federal Flow Through From: AMEC INC AMEC INC Office of Chemical Safety and Pollution Prevention	66.001	AMEC/EPA RF CASTNET III FLITC AMEC INC RF CASTNET V FLITC	6064130418 F013900830 Total CFDA #66.001 Total Office of Air and Radiation	3,014 895 3,909	3,0 8 3,8
Office of Air and Radiation Air Pollution Control Program Support Federal Flow Through From: AMEC INC AMEC INC Office of Chemical Safety and Pollution Prevention Research, Development, Monitoring, Public Educ	66.001	AMEC/EPA RF CASTNET III FLITC AMEC INC RF CASTNET V FLITC	6064130418 F013900830 Total CFDA #66.001 Total Office of Air and Radiation	3,014 895 3,909 3,909	3,0 8 3,8 3,8
Office of Air and Radiation Air Pollution Control Program Support Federal Flow Through From: AMEC INC AMEC INC Office of Chemical Safety and Pollution Prevention	66.001	AMEC/EPA RF CASTNET III FLITC AMEC INC RF CASTNET V FLITC	6064130418 F013900830 Total CFDA #66.001 Total Office of Air and Radiation	3,014 895 3,909	3,0 8 3,8

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

ster/ ency/	CED : "	Punios de Marco	Manathin N	Total Federal	Amount Provided to
ffice Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
Office of Research and Development (ORD)					
Science To Achieve Results (STAR) Research Pro	gram				
Direct Federal Awards:	66.509			312,954	293,866
Federal Flow Through From:					
NORTHEASTERN UNIVERSITY	66.509		50510978050	51,411	47,721
PENNSYLVANIA STATE UNIVERSITY	66.509	PSU/EPA RF GREEN DES ORLAN	5376UGEPA4201	58,971	54,698
PENNSYLVANIA STATE UNIVERSITY	66.509	PSU/EPA RF PS W 250-347	5376UGEPA4201	16,884	16,884
STOCKHOLM ENVIRONMENT INST	66.509	RF INDIA DWIVE	AGREEMENT	12,023	11,484
YALE UNIVERSITY	66.509	YU/USEPA RF CLN COOKSTVE DWIVE	C14P11827P00361	(3,054)	(2,917
		Total Office of B	Total CFDA #66.509 esearch and Development (ORD)	449,189 449,189	421,736 421,736
Office of the Administrator		Total Office of N	esearch and Development (OND)	449, 109	421,730
Performance Partnership Grants					
Federal Flow Through From:					
GA ENVIRONMENTAL PROTENTN DIV	66.605	GEPD/UEPARF FVCOM WATER MEDEI	AGREEMENT	720	720
			Total CFDA #66.605	720	720
			Total Office of the Administrator	720	720
Office of Water					
Regional Wetland Program Development Grants					
Direct Federal Awards:	66.461			72,425	67,927
			Total CFDA #66.461	72,425	67,92
Water Protection Grants to the States					
Federal Flow Through From:					
GA ENVIRONMENTAL PROTENTN DIV	66.474	GA EPD RF STORMWATERHAWKI	HAWKINS	150,334	143,734
			Total CFDA #66.474	150,334	143,73
			Total Office of Water	222,759	211,66
		Total E	Environmental Protection Agency	676,469	637,858
Department of Energy					
Department of Energy					
Granting of Patent Licenses Direct Federal Awards:	81.003			1,969,682	1 007 210
Direct Federal Awards.	01.003		Total CFDA #81.003	1,969,682	1,907,319
Inventions and Innovations			10tal Cl DA #01.003	1,909,002	1,907,518
Federal Flow Through From:					
SANDIA NATIONAL LABORATORIES	81.036	SNL/DOE RF MODEL SYS DAVIS	1764414	675	626
			Total CFDA #81.036		
			10tal CFDA #01.030	675	626
State Energy Program			TOTAL CEDA #01.030	675	626
State Energy Program Federal Flow Through From:			10tal CFDA #61.036	675	626
	81.041	SRNS RF RF_NANO METALZHAO	TOA0000271271	675 20,906	
Federal Flow Through From:	81.041 81.041	SRNS RF RF_NANO METALZHAO SDSU/DOE RF SUN GRANT MISSA			20,900
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS	81.041	-	TOA0000271271	20,906	20,906 5,473
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY	81.041	SDSU/DOE RF SUN GRANT MISSA	TOA0000271271 3TD676	20,906 5,835	20,906 5,473 (253
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY	81.041	SDSU/DOE RF SUN GRANT MISSA	TOA0000271271 3TD676 3TD676	20,906 5,835 (270)	20,900 5,473 (25)
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY	81.041	SDSU/DOE RF SUN GRANT MISSA	TOA0000271271 3TD676 3TD676	20,906 5,835 (270)	20,906 5,473 (253 26,126 2,301,638
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From:	81.041 81.041 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA	TOA0000271271 3TD676 3TD676	20,906 5,835 (270) 26,471	20,906 5,473 (253 26,126
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY	81.041 81.041 81.049	SDSU/DOE RF SUN GRANT MISSA	TOA0000271271 3TD676 3TD676	20,906 5,835 (270) 26,471	20,900 5,473 (253 26,120 2,301,630
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY	81.041 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS	TOA0000271271 3TD676 3TD676 Total CFDA #81.041	20,906 5,835 (270) 26,471 2,474,440	20,900 5,473 (253 26,120 2,301,630 21,653
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY	81.041 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014	20,906 5,473 (253 26,126 2,301,638 21,65 210,512 102,148
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC	81.041 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756	20,900 5,47; (25; 26,120 2,301,630 21,65; 210,51; 102,140 52,64;
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370	20,900 5,47: (25: 26,12: 2,301,63: 21,65: 210,51: 102,14: 52,64: 239,000
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF EDUC WESTP	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17 PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347	20,900 5,47; (25; 26,120 2,301,630 21,65; 210,51; 102,14; 52,64; 239,000 8,774
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC UT-BATTELLE LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF EDUC WESTP UTB/USDE RF FA1 STRUC BENNE	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17 PENDG 07/01-09/30/17 PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156	20,900 5,47: (25: 26,12: 2,301,63: 21,65 210,51: 102,14: 52,64: 239,00: 8,77: 61,45:
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC UT-BATTELLE LLC UT-BATTELLE LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF EDUC WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17 PENDG 07/01-09/30/17 PENDG 07/01-09/30/17 PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190	20,900 5,47: (25: 26,12i 2,301,63i 21,65 210,51: 102,14: 52,64: 239,000 8,77: 61,45: 145,10
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF EDUC WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS UTB/USDE RF DATA XU	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17 PENDG 07/01-09/30/17 PENDG 07/01-09/30/17 PENDG 07/01-09/30/17 PENDG 07/01-09/30/17 PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190 276,203	20,900 5,473 (253 26,120 2,301,636 210,513 102,144 52,644 239,000 8,774 61,458 145,100 256,593
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF EDUC WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS UTB/USDE RF DATA XU UTB/USDE RF FA1 STRUC DARVI	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190 276,203 1,553,817	20,900 5,473 (253 26,120 2,301,636 21,655 210,512 102,144 52,644 239,000 8,774 61,456 145,100 256,593 1,444,666
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA2 DARVI	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190 276,203 1,553,817 219,714	20,900 5,47; (25; 26,120 2,301,636 21,65; 210,51; 102,149 52,649; 239,000 8,77; 61,459 145,10; 256,59; 1,444,666 204,114
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA3 OMICS DARVI	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190 276,203 1,553,817 219,714 258,353	20,906 5,473 (253 26,126 2,301,638 21,656 210,512 102,148 52,643 239,006 8,774 61,456 145,100 256,593 1,444,668 204,114 241,186
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS UTB/USDE RF FA2 ADAMS UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA3 OMICS DARVI UTB/USDE RF FA3 OMICS DARVI UTB/USDE RF FA2 DEVOS	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190 276,203 1,553,817 219,714 258,353 86,090	20,900 5,47; (25; 26,120 2,301,636 21,65; 210,51; 102,149 52,64; 239,000 8,77; 61,45; 145,10; 256,59; 1,444,666 204,11; 241,18; 79,976
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA3 OMICS DARVI	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190 276,203 1,553,817 219,714 258,353 86,090 59,009	20,906 5,473 (255 26,126 2,301,636 21,656 210,512 102,149 52,643 239,006 8,774 61,459 145,100 256,593 1,444,666 204,114 241,187 79,978 54,860
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS UTB/USDE RF FA2 ADAMS UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA3 OMICS DARVI UTB/USDE RF FA3 OMICS DARVI UTB/USDE RF FA2 DEVOS	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190 276,203 1,553,817 219,714 258,353 86,090	20,906 5,473 (255 26,126 2,301,636 21,656 210,512 102,149 52,643 239,006 8,774 61,459 145,100 256,593 1,444,666 204,114 241,187 79,978 54,860
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS UTB/USDE RF FA2 ADAMS UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA3 OMICS DARVI UTB/USDE RF FA3 OMICS DARVI UTB/USDE RF FA2 DEVOS	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190 276,203 1,553,817 219,714 258,353 86,090 59,009	20,906 5,473 (255 26,126 2,301,636 21,656 210,512 102,149 52,643 239,006 8,774 61,459 145,100 256,593 1,444,666 204,114 241,187 79,978 54,860
Federal Flow Through From: SAVANNAH RIVER NUCLEAR SOLUTNS SOUTH DAKOTA STATE UNIVERSITY SOUTH DAKOTA STATE UNIVERSITY Office of Science Financial Assistance Program Direct Federal Awards: Federal Flow Through From: CALIFORNIA INST OF TECHNOLOGY MONTANA STATE UNIVERSITY NORTHERN ARIZONA UNIVERSITY SASYA LLC UT-BATTELLE LLC	81.041 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049 81.049	SDSU/DOE RF SUN GRANT MISSA DOE/SDSU RF FEEDSTOCK HANNA CIT/USDE RF METHANE CYCL MEILE MSU/DOE RF BETCY PRJCT ADAMS NAU/USDE RF CLIMATE CHNG OSENB SASYA LLCRF RF_CARB & ENEWHITM UTB/USDE RF FA2 WESTP UTB/USDE RF FA1 STRUC BENNE UTB/USDE RF FA2 ADAMS UTB/USDE RF FA2 ADAMS UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA1 STRUC DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA2 DARVI UTB/USDE RF FA3 OMICS DARVI UTB/USDE RF FA3 OMICS DARVI UTB/USDE RF FA2 DEVOS	TOA0000271271 3TD676 3TD676 Total CFDA #81.041 65Q1094676 G13915W5072 100225502 DOESTTR PENDG 07/01-09/30/17	20,906 5,835 (270) 26,471 2,474,440 23,306 226,720 110,014 56,756 257,370 9,347 66,156 156,190 276,203 1,553,817 219,714 258,353 86,090 59,009	20,906 5,473 (253 26,126

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/	December	CEDA "	Ducket Name	Identify in a Newster	Total Federal	Amount Provided to
Office	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
	Renewable Energy Research and Development					
	Federal Flow Through From:					
	NATL RENEWABLE ENERGY LABRATRY		NREL/DOE RF RF_ON-BOARDINNEIDL	XFC77000601	29,483	27,347
	VIRGINIA POLYTECHNIC INSTITUTE	81.087	VA TECH RF SWEET HYDROG_ADAMS	42933819105	164,398	152,645
	Face V France Bases and Ba			Total CFDA #81.087	193,881	179,992
	Fossil Energy Research and Development Federal Flow Through From:					
	SAVANNAH RIVER REMEDIATION LLC	81.089	SRR RF SALTSTONE SEAMA	SRRA041362	133,993	126,602
	SAVANNAH RIVER REMEDIATION LLC	81.089		SRRA041362	39,932	39,932
		01.000	0.000	Total CFDA #81.089	173,925	166,534
	Environmental Remediation and Waste Processing	g and Disp	osal		-,-	,
	Federal Flow Through From:	-				
	SAVANNAH RIVER REMEDIATION LLC	81.104	SRR LLC RF CEMENTITIOUS SEAMA	SRRA099188	153,108	149,934
				Total CFDA #81.104	153,108	149,934
	Stewardship Science Grant Program					
	Federal Flow Through From:					
	LAWRENCE BERKELEY NATL LAB	81.112	LB/USDOE RF MAG ENIGMA ADAMS	6964123	385,913	358,513
	Netheral New Law Committee Astronomy (NINCA)			Total CFDA #81.112	385,913	358,513
	National Nuclear Security Administration (NNSA)	winority S	erving institutions (MSI) Program			
	Federal Flow Through From: FLORIDA A&M UNIVERSITY	Q1 123	FAMU/SRNSRF BIOREMEDIAT SEAMA	C4964	7,647	7,225
	TEORIES (VAIN CHIVE NOT)	01.120	TANIO/SICIONE BIONEINE BIAT SEAWA	Total CFDA #81.123	7,647	7,225
	Environmental Monitoring/Cleanup, Cultural and F	Resource I	Igmt., Emergency Response Research, Out		7,047	1,225
	Direct Federal Awards:	81.214	igina, zmorgonov reosponov reoscaron, out	rousii, rosiimour Analysis	2,688,679	2,546,365
				Total CFDA #81.214	2,688,679	2,546,365
				Total Department of Energy	11,456,405	10,788,636
				-		
				Total Department of Energy	11,456,405	10,788,636
Depart	ment of Education					
Ins	titute of Education Sciences					
	Education Research, Development and Dissemina				44.740	00.070
	Direct Federal Awards:	84.305			41,749	39,876
	Federal Flow Through From: OHIO STATE UNIVERSITY	04 205	OHIO STATRF MS MATH ACH CARR	60046917	94 760	79.000
	OHIO STATE ONIVERSITY	04.303	ONIO STATEF WIS WATH ACH CARK	Total CFDA #84.305	81,760 123,509	78,092 117,968
	Research in Special Education			10tal Cl DA #04.303	123,309	117,900
	Federal Flow Through From:					
	UNIV OF KENTUCKY RESEARCH FDN	84.324	UKR RF ASSESSMENT COHEN	304811261516001	91,599	84,961
				Total CFDA #84.324	91,599	84,961
			Total	Institute of Education Sciences	215,108	202,929
Off	ice of Elementary and Secondary Education					
	Title I Grants to Local Educational Agencies					
	Federal Flow Through From:					
	CLARKE COUNTY SCHOOL DISTRICT	84.010	CCSD/USDERF LEARNING CNTR NEUHA	AGREEMENT	5,501	5,412
	CLARKE COUNTY SCHOOL DISTRICT		USDE/CCSDRF ELE SCHL NEUHA	PRITCHETT	5,501	5,412
	CLARKE COUNTY SCHOOL DISTRICT		CCSD RF EVAL FY15-16 NEUHA	AGREEMENT	2,377	2,339
	CLARKE COUNTY SCHOOL DISTRICT		CCSD RF EVAL MIDDLE NEUHA	AGREEMENT	24	19
	CLARKE COUNTY SCHOOL DISTRICT		CCSD RF EVAL HIGH SC NEUHA	AGREEMENT	18	14
	CLARKE COUNTY SCHOOL DISTRICT	84.010	CCSD RF ELEMENTARY NEUHA	AGREEMENT	24	19
	Comprehensive Centers			Total CFDA #84.010	13,445	13,215
	Comprehensive Centers Federal Flow Through From:					
	CLARKE COUNTY SCHOOL DISTRICT	84 283	USDE/CCSDRF 21ST LEARNG NEUHA	PRITCHETT	4,403	4,332
		04.200	CODE/COODIN 2101 ELANING NEONA	Total CFDA #84.283	4,403	4,332
	Mathematics and Science Partnerships			. o.a. o. DA #04.200	-1,700	7,002
	Federal Flow Through From:					
	JACKSON COUNTY SCHOOL SYSTEM	84.366	JCS/GDOE RF SOLVING HILL	AGREEMENT	16,658	16,390
			-	Total CFDA #84.366	16,658	16,390
			Total Office of Eleme	ntary and Secondary Education	34,506	33,937
Off	ice of Postsecondary Education			-	•	
	Overseas Programs - Group Projects Abroad					
	Direct Federal Awards:	84.021		<u>-</u>	(1,205)	(1,205)
				Total CFDA #84.021	(1,205)	(1,205)

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/ Office	Program	CEDA #	Project Name	Identifying Number	Total Federal Expenditures	Amount Provided to Subrecipients
Опісе	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
	Overseas Programs - Doctoral Dissertation Research		d			
	Direct Federal Awards:	84.022			24,946	24,946
			Total Off	Total CFDA #84.022 fice of Postsecondary Education	24,946 23,741	24,946 23,741
			Total Oil	nice of Postsecondary Education	25,741	25,741
				Total Department of Education	273,355	260,607
-	ment of Health and Human Services partment of Health and Human Services Other Federal Assistance					
	Federal Flow Through From:					
	LEIDOS INC		SERCAT RF SAIC/NIH 14 WANG	12XS420	20,218	20,218
	LEIDOS INC LEIDOS INC		LEIDOS RF SERCAT FY16 WANG	12XS420	167,924	160,391
	LEIDOS INC	93.OFA	LEIDOS RF SERCAT YR16 WANG	12XS420 Total CFDA #93.OFA	387,080 575,222	369,716 550,325
			Total Departmen	nt of Health and Human Services	575,222 575,222	550,325
Ad	ministration for Community Living		rotal Boparanol	it of floatiff and flaman corvious	070,222	000,020
	Empowering Older Adults and Adults with Disabiliti Prevention and Public Health Funds (PPHF) Federal Flow Through From:	es throu	gh Chronic Disease Self-Management Educ	cation Programs financed by		
	NATIONAL COUNCIL ON AGING	93.734	NCOA RF SERVCE AGREE SMITH	887	13,133	12,793
				Total CFDA #93.734	13,133	12,793
			Total Adm	inistration for Community Living	13,133	12,793
Ag	ency for Healthcare Research and Quality Research on Healthcare Costs, Quality and Outcom Federal Flow Through From:	es				
	BOSTON UNIVERSITY	93.226	BU/DHHS RF RF_24-26 HEALBRADF	4500001987	2,313	2,313
	UNIV OF MARYLAND/BALTIMORE CO		UMD/ARHQ RF PATIENT INVOLCORNE	140023813427	6,479	6,479
	UNIV OF MARYLAND/BALTIMORE CO	93.226	UMDB/AHRQRF PAT CTRD INV	1400238C	6,479	6,479
			T-4-1 A f1	Total CFDA #93.226	15,271	15,271
Cei	nters for Disease Control and Prevention		lotal Agency for h	Healthcare Research and Quality	15,271	15,271
	Innovations in Applied Public Health Research					
	Direct Federal Awards:	93.061		<u>-</u>	373,672	346,854
				Total CFDA #93.061	373,672	346,854
	Global AIDS					
	Federal Flow Through From: EMORY UNIVERSITY	02.007	EU/NIH RF CEIRS TRIPP	LUICN0722204 400004C	E40.00E	500.054
	EMORY UNIVERSITY			HHSN272201400004C	540,925	502,254
	LINORT ONIVERSITI	93.007	EU/NIH RF EMORY CEIRS TRIPP	HHSN272201400004C Total CFDA #93.067	111,929 652,854	103,927
	Chronic Diseases: Research, Control, and Preventi	on		Total CI DA #95.007	032,034	000,101
	Federal Flow Through From:	•				
	NORTHROP GRUMMAN INFO SYSTEMS	93.068	NGIS RF BIOINFORMTCS PEREZ	7500131662	61,796	57,378
				Total CFDA #93.068	61,796	57,378
	Prevention of Disease, Disability, and Death by Infe- Federal Flow Through From:	ctious Di	seases			
	UNIVERSITY OF PENNSYLVANIA	93.084	UPENN/NIHRF EUKRYTC CTR KISSI	PNDG 9/30-04/30/17	321,015	297,753
	UNIVERSITY OF PENNSYLVANIA	93.084	UPENN/NIHRF EUKRYTC CTR KISSI	22395001004356400000	1,001,623	929,087
				Total CFDA #93.084	1,322,638	1,226,840
	Centers for Research and Demonstration for Health Federal Flow Through From:	Promoti	on and Disease Prevention			
	UNIV NORTH CAROLINA CHAPEL HIL	93.135	UNC/CDC RF UNC CENTER SMITH	5100249	25,103	23,308
	Injury Prevention and Control Research and State a	nd Comn	nunity Based Programs	Total CFDA #93.135	25,103	23,308
	Federal Flow Through From:		- -			
	GA DEPT OF PUBLIC HEALTH	93.136	GDPH/NIH RF CORE INJURY CORSO	4050003517172190	16,627	15,422
				Total CFDA #93.136	16,627	15,422
	Occupational Safety and Health Program					
	Direct Federal Awards:	93.262			78,187	72,636
	Federal Flow Through From:	00.000	HAD DE E GLOADETTE MASILE	500000004	10 506	40.415
	UNIV OF ALABAMA AT BIRMINGHAM UNIVERSITY OF SOUTH FLORIDA	93.262		500836021	10,583	10,413
	SMIVENSITI OF SOUTH FEORIDA	93.202	USF/CDC RF UNCOMP OT CARTE	6402108503B	3,410	3,410
				Total CFDA #93.262	92,180	86,459

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

uster/ gency/ Office	Program	CEDA #	Project Name	Identifying Number	Total Federal Expenditures	Amount Provided to Subrecipients
ince	riogram	CFDA #	Project Name	identifying Number	Lxperiuitures	Subrecipients
	Epidemiology and Laboratory Capacity for Infect	ious Diseas	ses (ELC)			
	Federal Flow Through From:			.=		
	STATE OF FLORIDA	93.323	SOF RF FOOD SAFETY ORTEG	AEC079	2,499 2,499	2,387 2,387
	DRUG. Forks Children and Education Obsaits Bur		Obseits Bessentier in Vesen	Total CFDA #93.323	2,499	2,307
	PPHF: Early Childcare and Education Obesity Pro Children - financed solely by Public Prevention a					
	Federal Flow Through From:	ila ilaalii i	unus			
	GA DEPT OF PUBLIC HEALTH	93.742	NIH/GADPHRF CHILDCARE VAIL	405000010000013754/5	18,446	17,619
	GA DEPT OF PUBLIC HEALTH	93.742	GDPH/HHS RF PEER COACH2 VAIL	4050001817172180	26,921	25,713
				Total CFDA #93.742	45,367	43,332
			Total Centers for	r Disease Control and Prevention	2,592,736	2,408,161
Cen	ters for Medicare and Medicaid Services					
	ACA - Reinvestment of Civil Money Penalties to E	Benefit Nurs	sing Home Residents			
	Federal Flow Through From:					
	GA DEPT OF COMMUNITY HEALTH	93.636	GDCH RF BEREAVEMENT MILES	16059G	141,575	141,575
	Centers for Medicare and Medicaid Services (CM	C) Bassaral	Demonstrations and Evaluations	Total CFDA #93.636	141,575	141,575
	Federal Flow Through From:	5) Researci	i, Demonstrations and Evaluations			
	SECOND WIND DREAMS	93.779	RF DEMENTIA TOURMILES	AGREEMENT	122,411	119,992
		000		Total CFDA #93.779	122,411	119,992
			Total Centers for	Medicare and Medicaid Services	263,986	261,567
Foo	d and Drug Administration				,	,
	Food and Drug Administration-Research					
	Direct Federal Awards:	93.103			25,982	25,469
	Federal Flow Through From:					
	REGENTS OF UNIVERSITY OF CALIF	93.103	UC/HHS RF RAW MANURE VELLI	20140002002	107,414	100,742
				Total CFDA #93.103	133,396	126,211
			Tot	tal Food and Drug Administration	133,396	126,211
	Ith Resources and Services Administration					
Hea						
Hea	National Research Service Award in Primary Care				1 275	1 275
Hea		93.186		Total CFD& #93 186	1,375	1,275
Hea	National Research Service Award in Primary Care		Total Health Resour	Total CFDA #93.186	1,375	1,275
	National Research Service Award in Primary Care		Total Health Resou	Total CFDA #93.186 rces and Services Administration		
	National Research Service Award in Primary Card Direct Federal Awards:		Total Health Resou		1,375	1,275
	National Research Service Award in Primary Card Direct Federal Awards: onal Institutes of Health		Total Health Resou		1,375	1,275
	National Research Service Award in Primary Card Direct Federal Awards: onal Institutes of Health Environmental Health	93.186	Total Health Resou		1,375 1,375	1,275 1,275
	National Research Service Award in Primary Card Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY	93.186 93.113 93.113	CU/NIH RF HEALTH ENHAN HANSE	rces and Services Administration 4GG010999	1,375 1,375	1,275 1,275 417,534 25,242
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS	93.113 93.113 93.113	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA	rces and Services Administration 4GG010999 AGREEMENT	1,375 1,375 441,686 27,186 35,646	1,275 1,275 417,534 25,242 35,646
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY	93.113 93.113 93.113 93.113	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE	4GG010999 AGREEMENT 50044678050	1,375 1,375 441,686 27,186 35,646 42,380	1,275 1,275 417,534 25,242 35,646 39,309
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS	93.113 93.113 93.113 93.113	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA	4GG010999 AGREEMENT 50044678050 50048478050	1,375 1,375 441,686 27,186 35,646 42,380 14,608	1,275 1,275 417,534 25,242 35,646 39,309 13,432
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY	93.113 93.113 93.113 93.113 93.113	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE	4GG010999 AGREEMENT 50044678050	1,375 1,375 441,686 27,186 35,646 42,380	1,275 1,275 417,534 25,242 35,646 39,309
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY	93.113 93.113 93.113 93.113 93.113	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE	4GG010999 AGREEMENT 50044678050 50048478050	1,375 1,375 441,686 27,186 35,646 42,380 14,608	1,275 1,275 417,534 25,242 35,646 39,309 13,432
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic Federal Flow Through From:	93.113 93.113 93.113 93.113 93.113	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113	1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506	1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic F	93.186 93.113 93.113 93.113 93.113 93.113	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE nd Education NU/NIH RF RR793-079 CORDE	4GG010999 AGREEMENT 50044678050 Total CFDA #93.113	1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506	1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic Federal Flow Through From: NORTHEASTERN UNIVERSITY	93.186 93.113 93.113 93.113 93.113 93.113 Research ar 93.143 93.143	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE nd Education NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE	4GG010999 AGREEMENT 50044678050 Total CFDA #93.113 50047878050 50045678050	1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943	1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic Federal Flow Through From: NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY	93.186 93.113 93.113 93.113 93.113 93.113 Research ar 93.143 93.143	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE	4GG010999 AGREEMENT 50044678050 Total CFDA #93.113	1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506	1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic Federal Flow Through From: NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY	93.186 93.113 93.113 93.113 93.113 93.113 Research ar 93.143 93.143	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE	4GG010999 AGREEMENT 50044678050 Total CFDA #93.113 50047878050 50045678050 50047878050	1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438	1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic Federal Flow Through From: NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY	93.186 93.113 93.113 93.113 93.113 Research ar 93.143 93.143 93.143	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50047878050 50047878050 50047878050 50052078050	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330	1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic F Federal Flow Through From: NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY	93.186 93.113 93.113 93.113 93.113 Research ar 93.143 93.143 93.143	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50047878050 50047878050 50047878050 50052078050	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330	1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic F Federal Flow Through From: NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards:	93.186 93.113 93.113 93.113 93.113 Research ar 93.143 93.143 93.143 on Disorder 93.173	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50047878050 50047878050 50047878050 50052078050	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904	1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic F Federal Flow Through From: NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Technical Communication Research Related to Complementary and Interest Technical Communication Research and Training in Complementary and Interest Technical Communication Research Related to Complementary and Interest Technical Communication Research and Training in Complementary and Interest Technical Communication Research Research Research Research Related to Communication Research Resea	93.186 93.113 93.113 93.113 93.113 Research ar 93.143 93.143 93.143 on Disorder 93.173	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50045678050 50047878050 50047878050 50047878050 50047878050	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904	1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Federal Flow Through From:	93.186 93.113 93.113 93.113 93.113 Research ar 93.143 93.143 93.143 93.143 pon Disorder 93.173 regrative He	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE Sealth	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50047878050 50047878050 Total CFDA #93.143 Total CFDA #93.143	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904 1,288,871 1,288,871	1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507 1,239,982
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NIEHS Superfund Hazardous Substances-Basic F Federal Flow Through From: NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Technical Communication Research Related to Complementary and Interest Technical Communication Research and Training in Complementary and Interest Technical Communication Research Related to Complementary and Interest Technical Communication Research and Training in Complementary and Interest Technical Communication Research Research Research Research Related to Communication Research Resea	93.186 93.113 93.113 93.113 93.113 Research ar 93.143 93.143 93.143 93.143 pon Disorder 93.173 regrative He	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50047878050 50047878050 Total CFDA #93.143 Total CFDA #93.173	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904 1,288,871 1,288,871	1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507 1,239,982 1,239,982
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Federal Flow Through From: VIRGINIA POLYTECHNIC INSTITUTE	93.186 93.113 93.113 93.113 93.113 Research ar 93.143 93.143 93.143 93.143 pon Disorder 93.173 regrative He	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE Sealth	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50047878050 50047878050 Total CFDA #93.143 Total CFDA #93.143	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904 1,288,871 1,288,871	1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507 1,239,982 1,239,982
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Federal Flow Through From: VIRGINIA POLYTECHNIC INSTITUTE	93.186 93.113 93.113 93.113 93.113 93.143 93.143 93.143 93.143 on Disorder 93.173 segrative He	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE Sealth	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50047878050 50047878050 Total CFDA #93.143 Total CFDA #93.173	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904 1,288,871 1,288,871 1,288,871	1,275 1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507 1,239,982 1,239,982 130,634 130,634
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Federal Flow Through From: VIRGINIA POLYTECHNIC INSTITUTE Mental Health Research Grants Direct Federal Awards:	93.186 93.113 93.113 93.113 93.113 Research ar 93.143 93.143 93.143 93.143 pon Disorder 93.173 regrative He	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE Sealth	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50047878050 50047878050 Total CFDA #93.143 Total CFDA #93.173	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904 1,288,871 1,288,871	1,275 1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507 1,239,982 1,239,982 130,634 130,634
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Federal Flow Through From: VIRGINIA POLYTECHNIC INSTITUTE Mental Health Research Grants Direct Federal Awards: Federal Flow Through From:	93.186 93.113 93.113 93.113 93.113 93.143 93.143 93.143 93.143 93.143 93.143 93.143 93.143 93.143 93.143	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE Sealth VT/NIH RF RF_ANTIMALARICASSE	4GG010999 AGREEMENT 50044678050 Total CFDA #93.113 50047878050 50045678050 50047878050 Total CFDA #93.143 Total CFDA #93.173 43182019105 Total CFDA #93.213	1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904 1,288,871 1,288,871 140,840 140,840 965,796	1,275 1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507 1,239,982 1,239,982 130,634 130,634
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Federal Flow Through From: VIRGINIA POLYTECHNIC INSTITUTE Mental Health Research Grants Direct Federal Awards: Federal Flow Through From: HARVARD UNIVERSITY	93.186 93.113 93.113 93.113 93.113 93.143 93.143 93.143 pon Disorder 93.173 segrative He 93.213 93.242 93.242	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE INDURATE OF CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE Sealth VT/NIH RF RF_ANTIMALARICASSE HU/NIH RF YOUTH FORWRD HANSE	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50047878050 50047878050 50047878050 Total CFDA #93.143 Total CFDA #93.173 43182019105 Total CFDA #93.213	1,375 1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904 1,288,871 1,288,871 140,840 140,840 965,796 11,644	1,275 1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507 1,239,982 1,239,982 130,634 130,634 902,428 10,800
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Federal Flow Through From: VIRGINIA POLYTECHNIC INSTITUTE Mental Health Research Grants Direct Federal Awards: Federal Flow Through From:	93.186 93.113 93.113 93.113 93.113 93.143 93.143 93.143 93.143 93.213 93.242 93.242 93.242 93.242	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE NU/NIH RF RR793-079 CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE Sealth VT/NIH RF RF_ANTIMALARICASSE	4GG010999 AGREEMENT 50044678050 Total CFDA #93.113 50047878050 50045678050 50047878050 Total CFDA #93.143 Total CFDA #93.173 43182019105 Total CFDA #93.213	1,375 1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904 1,288,871 1,288,871 140,840 140,840 965,796 11,644 8,548	1,275 1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507 1,239,982 1,239,982 130,634 902,428 10,800 7,941
	National Research Service Award in Primary Care Direct Federal Awards: onal Institutes of Health Environmental Health Direct Federal Awards: Federal Flow Through From: COLUMBIA UNIVERSITY MI CRITICAL CARE CONSULTANTS NORTHEASTERN UNIVERSITY Research Related to Deafness and Communication Direct Federal Awards: Research and Training in Complementary and Interest Flow Through From: VIRGINIA POLYTECHNIC INSTITUTE Mental Health Research Grants Direct Federal Awards: Federal Flow Through From: HARVARD UNIVERSITY INTERACTIVE SCIENCE IN 3D LLC	93.186 93.113 93.113 93.113 93.113 93.143 93.143 93.143 93.143 93.213 93.242 93.242 93.242 93.242 93.242	CU/NIH RF HEALTH ENHAN HANSE MCCC/NIH RF NITRIC OXIDE HANDA NU/NIH RF CRECE CORDE NU/NIH RF CRECE CORDE INDURATE CORDE NU RF PUERTO RICO CORDE NU/NIH RF ZIKA SPPLMNT CORDE NU RF PROTECT CORDE SEAITH VT/NIH RF RF_ANTIMALARICASSE HU/NIH RF YOUTH FORWRD HANSE IS/NIH RF SYNAPSE PH IIHODGE	4GG010999 AGREEMENT 50044678050 50048478050 Total CFDA #93.113 50047878050 50045678050 50047878050 Total CFDA #93.143 Total CFDA #93.173 43182019105 Total CFDA #93.213	1,375 1,375 1,375 1,375 441,686 27,186 35,646 42,380 14,608 561,506 4,193 172,943 435,438 42,330 654,904 1,288,871 1,288,871 140,840 140,840 965,796 11,644	1,275 1,275 1,275 1,275 417,534 25,242 35,646 39,309 13,432 531,163 3,889 160,411 403,944 39,263 607,507 1,239,982 1,239,982 130,634 130,634 902,428 10,800

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Program	Cluster/ Agency/					Total Federal	Amount Provided to
Direct Federal Awards: \$0.273 EUNIHI RF ALCOHOLHIV MOMAH \$145075 \$7.345 \$6.755 \$7.5541 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.5645 \$7.	Office	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
EMORY UNIVERSITY 03.273 EUNIH RF ALCOHOULHV MONAH 15937 15937 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 15938 1593		Alcohol Research Programs					
EMONY JUNIVERSITY		Direct Federal Awards:	93.273			1,041,537	967,491
Drug Abuse and Addiction Research Programs 1,048,050 775,064		<u> </u>					
Drug Abuse and Addiction Research Porgrams 1,088,981 1,512.27		EMORY UNIVERSITY	93.273	EU/NIH RF ALCOHOL/HIV MONAH	-		
Direct Federal Awards: 93.279 1,888,811 1,511,227 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,271 56,2		Dwig Abuse and Addiction Research Dresses			Total CFDA #93.273	1,048,880	975,684
Federal Flow Through From: BROWN LINKPERSITY 93.279 BROWN U. R. F. J. TRIALS SWART 1205694 33.400 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600 33.600			93 279			1 608 581	1 511 227
BROWN LUNKERSITY 93.78 BROWN U.R.F. N.CUROMIAGISWEET PRIOD THEN 050117 57.715 53.411			30.273			1,000,001	1,011,221
UNIVERSITY OF CONNECTICUT \$3.279 CUTNIH RF RESILENCE BEACH PND 7/1-9-3017 127.867 1826.120 174.888			93.279	BROWN U RF RF_NEUROIMAGISWEET	PNDG THRU 6/30/17	57,715	53,411
Discovery and Applied Research for Technological Innovations to Improve Human Health Direct Federal Awards: 9.386 (2.785) (2.587)		EMORY UNIVERSITY	93.279	EU/NIH RF JJ TRIALS SWART	T625564	34,166	31,690
Discovery and Applied Research for Technological Immoversions to Improve Human Health Direct Federal Flow Through From: 42.868 AUBINIH RF SPLA2 NANOPA CUMMI 195201272UGRF 76.315 70.897 AUBINIH CREENITY 92.286 EUNIH R MAHPIC COREA (RISS) 1477200 AND 1477291 42.508 33.940 EMORY UNIVERSITY 92.286 EUNIH R MAHPIC COREA (RISS) 1477200 AND 1477291 42.508 33.940 EMORY UNIVERSITY 92.286 EUNIH R MAHPIC COREA (RISS) 1477200 AND 1477291 42.508 33.940 EMORY UNIVERSITY 92.286 EUNIH R MAHPIC COREA (RISS) 16937767093791 25.008 23.282 EMORY UNIVERSITY 92.286 EUNIH R MAHPIC COREA (RISS) 16937767093791 25.008 23.282 FUNDRO AND UNIVERSITY 92.286 EUNIH R MAHPIC COREA (RISS) 16937767093791 25.008 23.282 FUNDRO AND UNIVERSITY 92.387 FUNDRO RESEARCH (RISS) 1747200 AND 1477291 10.908 23.282 FUNDRO AND UNIVERSITY 92.387 FUNDRO RESEARCH (RISS) 16937767093791 25.008 23.282 FUNDRO AND UNIVERSITY 93.307 FUNDRO RESEARCH (RISS) 174707 1740 1740 FUNDRO AND UNIVERSITY 93.307 FUNDRO RESEARCH (RISS) 1740 1740 1740 FUNDRO AND UNIVERSITY 93.301 NUNRH R F ECHO-PRO COREA (RISS) 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1740 1		UNIVERSITY OF CONNECTICUT	93.279	UCT/NIH RF RESILIENCE BEACH	-		
Direct Federal Flow Through From: AUBURNE INNIVERSITY 93.286 AUBINNE RESPLAZ NANOPA CUMM					Total CFDA #93.279	1,828,129	1,714,868
Federal Flow Through From:				ons to Improve Human Health		(0.705)	(0.507)
AUBURN NINYERSITY 9,286 AUBNIH R FS PLAZ NANOPA CUMMI 19820172/UGRF 76,315 2,086 3,480			93.286			(2,785)	(2,587)
EMORY UNIVERSITY 9,236 EUNIH R FMAHPIC COPTA_KISS T477200 AND T477221 42,508 39,409 101,446 EMORY UNIVERSITY 9,236 EUNIH R FMAHPIC COPTA_KISS T477200 AND T477221 00,019 010,146 EMORY UNIVERSITY 9,236 EUNIH R FMAHPIC COPTA_KISS T68937671693791 25,068 23,282 EMORY UNIVERSITY 9,236 EUNIH R FMAHPIC COPTA_KISS T68937671693791 25,068 33,872 EMORY UNIVERSITY 9,236 FAMUNDOE RF HOTSPOTS SEAMA C4741 Total CFDA #93.286 555,120 509,125 C699,125			93 286	ALIB/NIH RE SPLA2 NANOPA CLIMMI	13PS201272LIGRE	76 315	70 897
MINORY LUNIVERSITY 9,2.86 EUNIH R FMAHPIC COPTE, KISSI T603776703701 20,2.08 23,282 23,282 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,000 24,0							,
EMORY UNIVERSITY		EMORY UNIVERSITY					
FLORIDA AM UNIVERSITY 33.286 FAMUIDOE RF HOTSPOTS SEAMA C4741 Total CFDA #93.286 55.520 609.125		EMORY UNIVERSITY	93.286	EU-NIH RF MAHPIC CORE5 KISSI	T693776/T693791	25,068	
Minority Health and Health Disparities Research Federal Flow Through From: FLORIDA STATE UNIVERSITY 93.307 FSUNIH RF HILTH FOR HRTSWICKR R01680		EMORY UNIVERSITY	93.286	EU/NIH RF MAHPIC OPT 5_KISSI	T693776/T693791	368,966	342,725
Minority Health and Health Disparities Research Federal Flow Through From: 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381 1,381		FLORIDA A&M UNIVERSITY	93.286	FAMU/DOE RF HOTSPOTS SEAMA	C4741		
Federal Flow Through From:					Total CFDA #93.286	655,120	609,125
FLORIDA STATE UNIVERSITY							
Trans-NIH Research Support		•	02 207	FOLIMIL DE ULTUFOR URTSWICKE	D01690	1 407	1 201
Trans-NIR Research Support Direct Federal Awards: 93.310 NUMBER TE PORT THROUGH FROME 1,395,123 1,314,767 Federal Flow Through From:		TEORIDA STATE SINVERSITI	93.307	F30/NIH REHETH FOR HR13WICKK	_		
Direct Federal Awards: 93.310		Trans-NIH Research Support			10tal 61 DA #33.301	1,407	1,501
Federal Flow Through From: NORTHEASTERN LINIVERSITY 93.310 NUMIH RF ECHC-PRO CORDE S0050278052 75.711 70.304 NUNIVERSITY OF FLORIDA 93.310 UF.NIH RF SECIM PREST PEND 9/1-11/30/16 135.349 125.673 UNIVERSITY OF FLORIDA 93.310 UF.NIH RF SECIM EDISO UFDSP00011194 14.818 13.769 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.818 13.769 14.		• •	93.310			1.395.123	1.314.767
UNIVERSITY OF FLORIDA 93.310 UFNIH RF SECIM PREST PREND 91-11/30/16 135.349 125.673 UNIVERSITY OF FLORIDA 93.310 UFNIH RF SECIM EDISO UFDSP00011394 68.490 63.527 14.818 13.769 10.000 10.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000 11.000						,,	,- , -
UNIVERSITY OF FLORIDA 93.310 UF NIH RF SECIM EDISO UFDSP00011394 68.490 63.527 UNIVERSITY OF FLORIDA 93.310 UF NIH RF SECIM EDISO UFDSP0001122 14.818 13.759 Total CFDA #93.310 14.818 13.759 Total CFDA #93.310 15.88.030 Research Infrastructure Programs Direct Federal Awards: 93.351		NORTHEASTERN UNIVERSITY	93.310	NU/NIH RF ECHO-PRO CORDE	50050278052	75,771	70,304
UNIVERSITY OF FLORIDA 93.310 UFLNIH RF SECIM EDISO UFDSP00011122 14.818 13.758 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.588.030 1.689.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.551 1.589.5		UNIVERSITY OF FLORIDA	93.310	UF/NIH RF SECIMPREST	PEND 9/1-11/30/16	135,349	125,673
Research Infrastructure Programs 93.51 1,588,030 1,688,051 1,588,030 1,688,051 1,588,030 1,688,051 1,588,030 1,688,051 1,588,030 1,688,051 1,588,030 1,688,051 1,588,030 1,688,051 1,588,030 1,688,051 1,588,030 1,688,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051 1,588,051			93.310	UF NIH RF SECIM EDISO	UFDSP00011394	68,490	63,527
Research Infrastructure Programs		UNIVERSITY OF FLORIDA	93.310	UFL/NIH RF SECIMEDISO	-		
Direct Federal Awards: 93.35 SUNIN REPRIMATE STEM EASLE 1659844 31,877 29,567 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 1					Total CFDA #93.310	1,689,551	1,588,030
Federal Flow Through From:		_	00.054			000 444	000 000
EMORY UNIVERSITY 93.351 EU/NIH RF PRIMATE STEM EASLE 1659944 31.877 29.567 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 1			93.351			860,444	860,232
National Center for Research Resources			93 351	FU/NIH RE PRIMATE STEM FASI F	T659844	31 877	29 567
National Center for Research Resources Federal Flow Through From: UNIV OF CALIFORNIA/SAN DIEGO 93.89 UCAL/NIH RF GLYCAN MODUL BOONS 10319666 100.669 93.522 Cancer Cause and Prevention Research Direct Federal Awards: 93.93		INTERACTIVE SCIENCE IN 3D LLC					•
Pederal Flow Through From: UNIV OF CALIFORNIA/SAN DIEGO 93.389 UCAL/NIH RF GLYCAN MODUL BOONS 10319666 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 93,522 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669 100,669					Total CFDA #93.351	954,667	
UNIV OF CALIFORNIA/SAN DIEGO 93.389 UCAL/NIH RF GLYCAN MODUL BOONS 10319666 100,669 93,522		National Center for Research Resources					
Cancer Cause and Prevention Research 93.393 93.933 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 285,123 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076 307,076							
State Cancer Cause and Prevention Research 93.393		UNIV OF CALIFORNIA/SAN DIEGO	93.389	UCAL/NIH RF GLYCAN MODUL BOONS	10319666	100,669	93,522
Direct Federal Awards: 93.39 S S S S S S S S S					Total CFDA #93.389	100,669	93,522
Cancer Detection and Diagnosis Research 93.394 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$3.90 \$			02 202			207.076	205 422
Cancer Detection and Diagnosis Research Direct Federal Awards: 93.394 1,313,072 1,230,163 Federal Flow Through From: UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN POPIK 561979 (10) (9) UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN OVARIAN ST60691/569205 42,172 39,178 UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN OVARIAN OVARIAN OVARIAN OF PENNSYLVANIA 3666929 (2,615) (2,073) VAN ANDEL RESEARCH INSTITUTE 93.394 VARI/NIH RF CANCER BIOM MOREM OVARIAN		Direct Federal Awards:	93.393		Total CEDA #92 292		
Direct Federal Awards: 93.394 1,313,072 1,230,163 Federal Flow Through From: UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN POPIK 561979 (10) (9) UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN 561979 (316) (294) UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN 3760691/569205 42,172 39,178 UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN 3760691/569205 42,172 39,178 UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF CANCER BIOM MOREM 566729 (2,615) (2,073) VAN ANDEL RESEARCH INSTITUTE 93.395 VARI/NIH RF CANCER BIOM MOREM UGABH10402341 9,952 9,245 Total CFDA #93.394 1,362,255 1,276,210 Cancer Treatment Research Direct Federal Awards: 93.395 EMORY/NIHRF CEIRS OPT 17 TOMPK T692521 15,525 14,400 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 17 TOMPK T692510 58,085 53,876 <t< td=""><td></td><td>Cancer Detection and Diagnosis Research</td><td></td><td></td><td>Total CI DA #93.393</td><td>307,070</td><td>200,120</td></t<>		Cancer Detection and Diagnosis Research			Total CI DA #93.393	307,070	200,120
Pederal Flow Through From: UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN POPIK 561979 (10) (9) UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN 561979 (316) (294) UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN 3760691/569205 42,172 39,178 UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN 3760691/569205 42,172 39,178 UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN 566729 (2,615) (2,073) VAN ANDEL RESEARCH INSTITUTE 93.394 VARI/NIH RF CANCER BIOM MOREM UGABH10402341 9,952 9,245 Cancer Treatment Research			93.394			1.313.072	1.230.163
UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN POPIK 561979 (10) (9)			00.00			.,0.0,0.2	1,200,100
UNIVERSITY OF PENNSYLVANIA 93.394 UPENN/NIHRF OVARIAN 3760691/569205 42,172 39,178 UNIVERSITY OF PENNSYLVANIA 93.394 UPA/NIH RF ANTIGENIC BI_MOREM 566729 (2,615) (2,073) VAN ANDEL RESEARCH INSTITUTE 93.394 VARI/NIH RF CANCER BIOM MOREM UGABH10402341 9,952 9,245 Cancer Treatment Research Direct Federal Awards: 93.395 Federal Flow Through From: EMORY UNIVERSITY 93.395 EMORY/NIHRF CEIRS OPT 21ATRIPP T692521 15,525 14,400 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 17 TOMPK T692510 58,085 53,876 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 18 TOMPK T692799 116,583 108,095 OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256		UNIVERSITY OF PENNSYLVANIA	93.394	UPENN/NIHRF OVARIAN POPIK	561979	(10)	(9)
UNIVERSITY OF PENNSYLVANIA VAN ANDEL RESEARCH INSTITUTE 93.394 UPA/NIH RF ANTIGENIC BI_MOREM 566729 (2,615) (2,073) Cancer Treatment Research Direct Federal Awards: 93.395 467,430 433,957 Federal Flow Through From: EMORY UNIVERSITY 93.395 EMORY/NIHRF CEIRS OPT 21ATRIPP T692521 15,525 14,400 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 17 TOMPK T692510 58,085 53,876 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 18 TOMPK T692799 116,583 108,095 OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256		UNIVERSITY OF PENNSYLVANIA	93.394	UPENN/NIHRF OVARIAN	561979	(316)	(294)
VAN ANDEL RESEARCH INSTITUTE 93.394 VARI/NIH RF CANCER BIOM MOREM UGABH10402341 9,952 9,245 Total CFDA #93.394 1,362,255 1,276,210 Cancer Treatment Research Direct Federal Awards: 93.395 467,430 433,957 Federal Flow Through From: EMORY UNIVERSITY 93.395 EMORY/NIHRF CEIRS OPT 21ATRIPP T692521 15,525 14,400 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 17 TOMPK T692510 58,085 53,876 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 18 TOMPK T692799 116,583 108,095 OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256			93.394	UPENN/NIHRF OVARIAN	3760691/569205	42,172	39,178
Cancer Treatment Research Direct Federal Awards: 93.395				-			
Cancer Treatment Research Direct Federal Awards: 93.395 467,430 433,957 Federal Flow Through From: EMORY UNIVERSITY 93.395 EMORY/NIHRF CEIRS OPT 21ATRIPP T692521 15,525 14,400 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 17 TOMPK T692510 58,085 53,876 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 18 TOMPK T692799 116,583 108,095 OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256		VAN ANDEL RESEARCH INSTITUTE	93.394	VARI/NIH RF CANCER BIOM MOREM	-		
Direct Federal Awards: 93.395 467,430 433,957 Federal Flow Through From: EMORY UNIVERSITY 93.395 EMORY/NIHRF CEIRS OPT 21ATRIPP T692521 15,525 14,400 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 17 TOMPK T692510 58,085 53,876 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 18 TOMPK T692799 116,583 108,095 OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256		Cancar Treatment Bassarah			Total CFDA #93.394	1,362,255	1,276,210
Federal Flow Through From: EMORY UNIVERSITY 93.395 EMORY/NIHRF CEIRS OPT 21ATRIPP T692521 15,525 14,400 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 17 TOMPK T692510 58,085 53,876 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 18 TOMPK T692799 116,583 108,095 OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256			03 30=			A67 A20	/22 OE7
EMORY UNIVERSITY 93.395 EMORY/NIHRF CEIRS OPT 21ATRIPP T692521 15,525 14,400 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 17 TOMPK T692510 58,085 53,876 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 18 TOMPK T692799 116,583 108,095 OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256			ao.085			407,430	433,937
EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 17 TOMPK T692510 58,085 53,876 EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 18 TOMPK T692799 116,583 108,095 OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256		<u> </u>	93 395	EMORY/NIHRE CEIRS OPT 21ATRIPP	T692521	15 525	14 400
EMORY UNIVERSITY 93.395 EMORY RF CEIRS OPT 18 TOMPK T692799 116,583 108,095 OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256							
OHIO STATE UNIVERSITY 93.395 OSU RF EPIGENETIC DHAR 60051469 1,353 1,256							
							
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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/					Total Federal	Amount Provided to
Office	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
	Cancer Biology Research					
	Direct Federal Awards:	93.396			163,211	151,384
	Federal Flow Through From:	00.000			100,211	101,004
	U OF TEXAS MD ANDERSON CANCER	93 396	UT/NIH RF THYMUS FATE MANLE	2792	294	230
	U OF TEXAS MD ANDERSON CANCER		UT/NIH RF THYMUS FATE	2792	(397)	(369)
	U OF TEXAS MD ANDERSON CANCER		UT/NIH RF THYMUS FATE	2792	24,269	22,577
	U OF TEXAS MD ANDERSON CANCER		UT/NIH RF THYMUS FATE 3 MANL	2792	167,988	156,198
	U OF TEXAS MD ANDERSON CANCER		UT/NIH RF THYMUS FATE MANLE	PNDG TO 8/31/17	99,128	92,090
		00.000	0 // · · · · · · · · · · · · · · · · · ·	Total CFDA #93.396	454,493	422,110
	Cancer Research Manpower				,	, -
	Direct Federal Awards:	93.398			17,219	17,219
				Total CFDA #93.398	17,219	17,219
	Cardiovascular Diseases Research					
	Direct Federal Awards:	93.837			3,107,944	2,941,160
	Federal Flow Through From:					
	EMORY UNIVERSITY	93.837	EMORY/NIHRF CEIRS OP17B TRIPP	T692389	41,983	38,941
	UNIVERSITY OF PITTSBURGH	93.837	UP/NIH RF RLTIME DATA RATHB	2114011909602	12,520	11,631
	UNIVERSITY OF SOUTH CAROLINA	93.837	USC/ NIH RF PHYS ACTIVTY DISHM	142608	82,016	76,193
				Total CFDA #93.837	3,244,463	3,067,925
	Lung Diseases Research					
	Direct Federal Awards:	93.838			673,079	624,345
	Federal Flow Through From:					
	EMORY UNIVERSITY		EU/NIH RF NEUTROPHILS RADA	T518451	13,906	12,912
	EMORY UNIVERSITY		EU/NIH RF HOUSEHLD AIR NAEHE	T702687	95,344	88,435
	JOHNS HOPKINS UNIVERSITY	93.838	JHU/NIH RF INFLAMM LUNG TIEME	PENDG 6/1/17-8/31/17	53,669	49,859
	JOHNS HOPKINS UNIVERSITY	93.838	JHU/NIH RF INFLAMM LUNG TIEME	2001302420	(2,721)	(2,528)
	JOHNS HOPKINS UNIVERSITY	93.838		2002969514	353,984	328,865
	LOUISIANA STATE U HLTH SCI CTR		LSU/NIH RF PRIMATES NORRI	1764145	32,510	30,154
	LOUISIANA STATE U HLTH SCI CTR	93.838	LSU/NIH RF P'MATE CORE NORRI	1764144	62,873	58,317
				Total CFDA #93.838	1,282,644	1,190,359
	Blood Diseases and Resources Research					
	Direct Federal Awards:	93.839			487,796	452,449
	Federal Flow Through From:		DIDMONIUSE DE DOOL 4 OLVANGODO	1000001	(0.1)	(00)
	BETH ISRAEL DEACONESS MEDICAL		BIDMC/NIHRF RF_PSGL-1 GLYWOODS	1028331	(31)	(29)
	BETH ISRAEL DEACONESS MEDICAL BOSTON UNIVERSITY		BIDMC/NIHRF RF_PSGL-1 GLYWOODS	1028331	55,130	51,189
	BOSTON UNIVERSITY	93.039	BU/NIH RF RF_HEP SULF TBOONS	4500001981 Total CFDA #93.839	30,264 573,159	28,071 531,680
	Arthritis, Musculoskeletal and Skin Diseases Res	earch		10tal CFDA #93.039	373,139	331,000
	Direct Federal Awards:	93.846			481,881	447,635
	Direct Foderal Awards.	30.040		Total CFDA #93.846	481,881	447,635
	Diabetes, Digestive, and Kidney Diseases Extram	ural Resea	rch		.01,001	,000
	Direct Federal Awards:	93.847			719,943	674,865
	Federal Flow Through From:				,	,
	BAYLOR COLLEGE OF MEDICINE	93.847	BAYLR/NIHRF RF_ALAGILLE SHALTI	7000000244	44,162	40,962
	BETH ISRAEL DEACONESS MEDICAL		BIDM RF PSGL-1 GLYCO WOODS	1028778	40,605	37,663
	PENNSYLVANIA STATE UNIVERSITY		PSU/NIH RF BIRTH ORDER	UGRFDK099364	31,308	29,070
	SANFORD-BURNHAM MEDICAL RESCH		SBMRI RF GLYCOSYLATIO STEET	5830012467UOG01	4,353	4,044
	SANFORD-BURNHAM MEDICAL RESCH		SBMRI/NIHRF GLYCOSULATIO STEET	5830012467UOG03	57,028	52,979
	UNIVERSITY OF UTAH		UUTAH/NIHRF RF PGRMC1/2 MEDLO	1004050001	8,772	8,169
			<u>-</u>	Total CFDA #93.847	906,171	847.752
	Extramural Research Programs in the Neuroscie	nces and N	eurological Disorders		,	, ,
	Direct Federal Awards:	93.853	· ·		1,463,906	1,367,066
	Federal Flow Through From:					
	AUGUSTA UNIVERSITY	93.853	GRU/NIH RF STROKE RECOV FAGAN	277871	11,516	10,999
	UNIV OF CALIFORNIA/DAVIS	93.853	UCA/NIH RF EPILEPSY KNER	PENDG 4/1/17-6/30/17	111,061	103,121
				Total CFDA #93.853	1,586,483	1,481,186
	Allergy and Infectious Diseases Research					
	Direct Federal Awards:	93.855			13,658,422	12,818,482
	Federal Flow Through From:					
	AUGUSTA UNIVERSITY	93.855	GRU/NIH RF CAMPYLOBACT MUSZY	27409A01	(26,111)	(24,257)
	BAYLOR COLLEGE OF MEDICINE	93.855	BCM/NIH RF UNIV PROTECT TOMPK	700000308	61,668	57,199
	CAUCASECO SCIENTIFIC RSCH CTR	93.855	CSRC/NIH RF MALARIAL RES GUTIE	C01-2013	6,759	5,290
	CAUCASECO SCIENTIFIC RSCH CTR	93.855	CSRC/NIH RF MALARIAL RES GUITE	C01-2013	297	284
	CAUCASECO SCIENTIFIC RSCH CTR	93.855	CSRC/NIH RF MALARIAL RES GUITE	C01-2013	40,110	38,311
	EMORY UNIVERSITY	93.855	EU/NIH RF HOST FLU A PEREZ	T715255	15,106	14,011
Soo Note	es to the Schedule of Expenditures of Fede	ral Award	lc.			

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

ter/ ncy/	_				Total Federal	Amount Provided to
ice	Program	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipients
	EMORY UNIVERSITY	93.855	EU/NIH RF PIV5 PRIMING HE	T197244	49,016	45,512
	EMORY UNIVERSITY		EU/NIH RF INFLNZA VIR HANDE	T589087	90,464	83,997
	EMORY UNIVERSITY		EM/NIH RF INFLUENZA HANDE	T765853	47,459	44,066
	EPIVAX INC		EPIVAX RF NONADJU VLP ROSS	1SBIRR43AI119189	46,839	43,445
	GA STATE UNIVERSITY		GSU/NIAIDRF PARAMYXOVIRUSHE	SP0001189401	201,454	186,468
	IMPERIAL COLLEGE SCI TECH &MED		IMPER COLRF ACOUSTIC SIG MURDO	P53441GEORGIA	92,001	85,33
	INST RARE & NEGLECTED DISEASE	93.855	IRNDD/NIHRF HTS ASSAY MENSA	13001	51,026	47,40
	MOUNT SINAI SCHOOL OF MEDICINE		MSSM RF NIAID CEIRS PEREZ	25805384609	(121)	(11:
	NEW YORK UNIVERSITY	93.855		F856108	70,744	65,61
	NEW YORK UNIVERSITY		NYU/NIH RF SUB FOR 760009	F440012	32,056	29,73
	NEW YORK UNIVERSITY		NYU NIH RF OMNICS BSD ROSS	F440008	230,655	214,59
	NEW YORK UNIVERSITY		NYU/NIH RF OMNICS SUP ROSS	F440012	252,342	234,05
	NEW YORK UNIVERSITY		NYU/NIH RF ALSO W/760-004	F440011	132,590	122,98
	NORTHEASTERN UNIVERSITY		NU/NIH RF HIT TO LEAD MENSA	PEND 8/1/17-10/31/17	238,327	221,05
	PENNSYLVANIA STATE UNIVERSITY		PENN/NIH RF MALARIA MURDO	5288UGRFDHHSO793	92,186	86,26
	REGENTS UNIV OF MICHIGAN					
	RESCH FDN STATE UNIV NEW YORK		U MICH RF RF_PERTUS TRAROHAN	3003627287 R957621	107,947	100,23
	ROSS UNIVERSITY		RFSUNY RF OXYGEN SENS WEST		103,964	96,53
	THOMAS JEFFERSON UNIVERSITY		RU/NIH RF ST KITTS MURDO	12162016	18,899	18,05
			TJU/NIH RF VIRUS CLERNC FU	08003800S03101	(2,311)	(1,80
	U OF TEXAS MD ANDERSON CANCER		UT/NIH RF MOLEC MECH MANLE	4783	38,955	36,34
	UNIV OF MARYLAND/BALTIMORE CO		NIH/UMD RF TLR4 ANTAG PEREZ	140011012612	82,626	76,63
	UNIVERSITY HEALTH NETWORK		UHN/NIH RF VAC STRATEGY ROSS	HHSN272201000031I	500,912	464,61
	UNIVERSITY OF HOUSTON		UH/NIH RF RF_IMPDH INHISTRIE	R160073	21,506	19,94
	UNIVERSITY OF SOUTH FLORIDA		USF/NIH RF TOXOPLASMA STRIE	7920100300A	115,917	107,63
	UNIVERSITY OF TEXAS / EL PASO		UT/NIH RF CHAGAS VACC AVCI	226141140A01	46,522	43,19
	UNIVERSITY OF TEXAS /AUSTIN	93.855	UT/NIH RF B PERTUSSIS HARVI	UTA16000225	163,720	151,85
	UNIVERSITY OF TEXAS /AUSTIN		UTA/NIH RF MOLCE PLATF TRENT	UTA16000613	31,646	29,35
	VERALASE LLC	93.855	VERLACE RF NR INFRARED ROSS	A222069	74,149	68,77
				Total CFDA #93.855	16,687,741	15,631,100
	Microbiology and Infectious Diseases Research					
	Federal Flow Through From:					
	EMORY UNIVERSITY	93.856	NIH/EMORYRF CEIRS FLU TRIPP	T490996	26,983	25,02
	EMORY UNIVERSITY	93.856	NIH/EMORYRF FERRET RGNTS TOMPK	T490993	23,965	22,22
	EMORY UNIVERSITY	93.856	EMORY/NIHRF RF_HOST-PATHOWELLS	T692304	49,092	46,89
				Total CFDA #93.856	100,040	94,14
	Biomedical Research and Research Training					
	Direct Federal Awards:	93.859			15,886,134	14,944,93
	Federal Flow Through From:					
	CASE WESTERN RESERVE UNIV	93.859	CWRU/NIH RF RF_GLYCOPRO SORLAN	RES511411	36,000	33,39
	COLUMBIA UNIVERSITY	93.859	CU/NIH RF LIPID BIO TRENT	GG011515	9,882	9,16
	EMORY UNIVERSITY	93.859	EMORY/NIHRF SPATIAL STRU DELAP	T379665	17,225	16,73
	EMORY UNIVERSITY		EMORY/NIHRF SPATIAL FY17 DELAP	T648908 (T379665)	184,249	173,01
	FRED HUTCHINSON CANCER RSCH CT		FHCRC/NIHRF CSQUID PROJ2 ROHAN	838321	29,488	27,35
	FRED HUTCHINSON CANCER RSCH CT	93 859	FHCRC/NIHRF CSQUID UGA SUB DR	838323	4,996	4,63
	FRED HUTCHINSON CANCER RSCH CT		FHCRC/NIHRF CSQUID DRAKE	872840	37,176	34,89
	FRED HUTCHINSON CANCER RSCH CT		FHCRC/NIHRF CSQUID PROJ2 ROHAN	872622	216,890	201,17
	GEORGE WASHINGTON UNIVERSITY		GWU/NIH RF GROUP VACCIN HILYA	15S02		4,84
	GLYCOSCIENTIFIC LLC				5,215	
	GLYCOSENSORS & DIAGNOSTICS LLC		GLYCO/NIHRF RF_GEN OF ANTHALTI	HALTIWANGER AGRMNT	121,072	112,29
			G&D/NIH RF N-GLYCOSY WOODS	AGREEMENT	61,134	56,76
	GLYCOSENSORS & DIAGNOSTICS LLC		GLY&DIAG RF RF_DETECT GLYWOODS	AGREEMENT - WOODS	94,058	87,89
	NEW YORK UNIVERSITY		NY/NIH RF SACCHAROMYCS HALL	F700201	27,855	25,87
	SCRIPPS RESEARCH INSTITUTE, THE		SRI/NIH RF CHEMO METHDS MOREM	552880	51,753	48,00
	UNIV ILLINOIS-URBANA CHAMPAIGN	93.859	UIL/NIH RF RD ELONGATORWH	20130183501	22,722	21,10
				Total CFDA #93.859	16,805,849	15,802,08
	Child Health and Human Development Extramura	Research				
	Direct Federal Awards:	93.865			3,223,239	3,030,38
	Federal Flow Through From:					
	RESEARCH FDTN MENTAL HYGIENE	93.865	RFMH/NIH RF DIVERSE POP SINGH	PENDG 7/1/17-9/30/17	135,554	125,86
	TEXAS A&M UNIVERSITY	93.865	TAMU/NIH RF ATTEN BRUCE HOWER	PENDING 7/1-10/31/17	182,455	170,03
	TEXAS A&M UNIVERSITY		TAMU/NIH RF W/ 212-160 HOWER	PENDING 7/1-10/31/17	213,943	213,94
	UNIVERSITY OF FLORIDA		UFL/NIH RF RF_MATERN COREDISO	UFDSP00011586	1,785	1,65
	UNIVERSITY OF PITTSBURGH		UP/NIH RF CHILD HLTH CALL	0048860 1268736	29,052	28,58

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

luster/ gency/		CEDA "	Duniant Name	Idouble do a Novembra	Total Federal	Amount Provided to Subrecipien
Office Pr	rogram	CFDA #	Project Name	Identifying Number	Expenditures	Subrecipien
Ag	ging Research					
	Direct Federal Awards:	93.866			716,854	688,7
	Federal Flow Through From: OREGON HEALTH & SCIENCE UNIVER	93.866	OHSU/NIH RF HIV RISK HECKM	PEND 3/1/17-8/31/17	236,249	219,1
	VIRGINIA COMMONWEALTH UNIV		VCU/NIH RF INFLAMMATION PIDAP	PD302598SC105904	47,925	45,1
	VII.COMINIONVEAETH ONLY	33.000	VCO/MIT IN LAWWATION LIDA	Total CFDA #93.866	1.001.028	953,0
Vi	ision Research			10tal 01 BA #00.000	1,001,020	000,0
	Direct Federal Awards:	93.867			94,403	90,1
				Total CFDA #93.867	94,403	90,1
M	edical Library Assistance					
	Federal Flow Through From:					
	UNIVERSITY OF FLORIDA	93.879	FLA/NIH RF NEUROL EXAMS JOHNS	UFEIES1014044UGA	(257)	(2
				Total CFDA #93.879	(257)	(2
In	ternational Research and Research Training					
	Direct Federal Awards:	93.989			399,066	394,4
	Federal Flow Through From:		FUANIL DE OFOUENTUINDINGEUE	T407004	0.504	
	EMORY UNIVERSITY	93.989	EU/NIH RF GEOHEALTH HUBNAEHE	T487801	9,561	9,4
	EMORY UNIVERSITY	93.989	EU/NIH RF GEOHLTH HUB NAEHE	T657772 (T487801)	3,419	3,3
				Total CFDA #93.989	412,046	407,2
Office	of Disease Prevention and Health Promotion			Total National Institutes of Health	59,683,345	56,097,7
	ational Health Promotion					
140	Direct Federal Awards:	93.990			65,332	61,2
	Birott Facial Awards.	00.000		Total CFDA #93.990	65,332	61,2
			Total Office of Disease	Prevention and Health Promotion	65,332	61,2
Office	of the Secretary		10141 011100 01 2100400		00,002	0.,2
	edical Reserve Corps Small Grant Program					
•••	Federal Flow Through From:					
	NAT ASS COUNTY& CITY HLTH OFC	93 008	NACCHO RF PREP SR CLEVE	MRC162546	14,999	14,9
	ST JUDE CHILDREN'S RSRCH HOSP		SJCRH RF FLU A VIRUS STALL	1119780117615370	614,908	565,6
	ST JUDE CHILDREN'S RSRCH HOSP		SJCR/HRSARF INFLUENZA 4 STALL	1119780117615370	110,135	102,2
		00.000	SOCIALITIES AND INCIDENCE OF THE CONTROL OF THE CON	Total CFDA #93.008	740,042	682,9
Re	esearch on Research Integrity					,-
	Direct Federal Awards:	93.085			143,224	143,2
				Total CFDA #93.085	143,224	143,2
				Total Office of the Secretary	883,266	826,1
Substa	ance Abuse and Mental Health Services Administ	ation				
Sı	ubstance Abuse and Mental Health Services-Proje		gional and National Significance			
	Direct Federal Awards:	93.243			127,733	125,8
				Total CFDA #93.243	127,733	125,8
			Total Substance Abuse and Ment	al Health Services Administration	127,733	125,8
			Total Danaston	ant of Hoolth and Hamon Comices	04.054.705	CO 40C /
Donartmo	nt of Homoland Socurity		Total Departme	ent of Health and Human Services	64,354,795	60,486,6
Departmen	nt of Homeland Security					
Endoro						
	al Emergency Management Agency (FEMA)					
	ssistance to Firefighters Grant	97 044			02 732	20.0
		97.044		Total CEDA #97 044	92,732	
	ssistance to Firefighters Grant	97.044	Total Federal Emerge	Total CFDA #97.044	92,732	89,9
	ssistance to Firefighters Grant	97.044	Total Federal Emerge	Total CFDA #97.044 ency Management Agency (FEMA)		89,9
	ssistance to Firefighters Grant	97.044	_	ency Management Agency (FEMA)	92,732 92,732	89,8 89,8 89,8
As	ssistance to Firefighters Grant	97.044	_		92,732	89,9
As Agency fo	ssistance to Firefighters Grant Direct Federal Awards:	97.044	_	ency Management Agency (FEMA)	92,732 92,732	89,9 89,9
Agency fo Agency	ssistance to Firefighters Grant Direct Federal Awards: or International Development	97.044	_	ency Management Agency (FEMA)	92,732 92,732	89,9 89,9
Agency fo	esistance to Firefighters Grant Direct Federal Awards: or International Development y for International Development	97.044 98.001	_	ency Management Agency (FEMA)	92,732 92,732	89,9 89,9
Agency fo Agency	esistance to Firefighters Grant Direct Federal Awards: or International Development y for International Development SAID Foreign Assistance for Programs Overseas		_	ency Management Agency (FEMA)	92,732 92,732 92,732	89,9 89,9 89,9
Agency fo Agency	esistance to Firefighters Grant Direct Federal Awards: or International Development y for International Development SAID Foreign Assistance for Programs Overseas Direct Federal Awards:		_	ency Management Agency (FEMA)	92,732 92,732 92,732	89, 89, 89,
Agency fo Agency	esistance to Firefighters Grant Direct Federal Awards: or International Development y for International Development SAID Foreign Assistance for Programs Overseas Direct Federal Awards: Federal Flow Through From:	98.001	Total I	ency Management Agency (FEMA) Department of Homeland Security	92,732 92,732 92,732 1,456,435	89,9 89,9 89,9
Agency fo Agency	or International Development y for International Development SAID Foreign Assistance for Programs Overseas Direct Federal Awards: Federal Flow Through From: MICHIGAN STATE UNIVERSITY	98.001 98.001	MSU RF THEARD TRNG BART MSU RF GHANA BART BART	Department of Homeland Security RC102095	92,732 92,732 92,732 1,456,435 35,584	89, 89, 89, 1,434, 34, 40,
Agency fo Agency	or International Development y for International Development SAID Foreign Assistance for Programs Overseas Direct Federal Awards: Federal Flow Through From: MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY	98.001 98.001 98.001	MSU RF THEARD TRNG BART MSU RF GHANA BART BART	RC102095 RC102095GHANA	92,732 92,732 92,732 1,456,435 35,584 42,209	89, 89, 89, 1,434, 34, 40, 36,
Agency fo Agency	or International Development y for International Development SAID Foreign Assistance for Programs Overseas Direct Federal Awards: Federal Flow Through From: MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY	98.001 98.001 98.001 98.001	MSU RF THEARD TRNG BART MSU RF GHANA BART BART MSU RF BHEARD BANGL BART QED/USAIDRF RE FEED FUTURBROWN	RC102095 RC102095 RC102095	92,732 92,732 92,732 1,456,435 35,584 42,209 38,268	89, 89, 89, 1,434, 34, 40, 36, 23,
Agency fo	or International Development y for International Development SAID Foreign Assistance for Programs Overseas Direct Federal Awards: Federal Flow Through From: MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY QED GROUP LLC	98.001 98.001 98.001 98.001 98.001 98.001	MSU RF THEARD TRNG BART MSU RF GHANA BART BART MSU RF BHEARD BANGL BART QED/USAIDRF RE FEED FUTURBROWN	RC102095 RC102095 RC102095 RC102095 RC102095 RC102095 RC102095 RDAD160005	92,732 92,732 92,732 1,456,435 35,584 42,209 38,268 24,196	89, 89, 89, 1,434, 34, 40, 36, 23, 3,
Agency fo	or International Development y for International Development y for International Development SAID Foreign Assistance for Programs Overseas Direct Federal Awards: Federal Flow Through From: MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY QED GROUP LLC TUFTS UNIVERSITY	98.001 98.001 98.001 98.001 98.001 98.001	MSU RF THEARD TRNG BART MSU RF GHANA BART BART MSU RF BHEARD BANGL BART QED/USAIDRF RE FEED FUTURBROWN TU/USAID RF AFLATOXINS WANG TU/USAID RF AFLATOXIN ASIWANG	RC102095 RC102095 RC102095 RC102095 KDAD160005 TUFTS WANG	92,732 92,732 92,732 1,456,435 35,584 42,209 38,268 24,196 3,463	89, 89, 89, 1,434, 34, 40, 36, 23, 3, 72,
Agency fo	or International Development or International Development of or International Development of or International Development SAID Foreign Assistance for Programs Overseas Direct Federal Awards: Federal Flow Through From: MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY QED GROUP LLC TUFTS UNIVERSITY TUFTS UNIVERSITY	98.001 98.001 98.001 98.001 98.001 98.001	MSU RF THEARD TRNG BART MSU RF GHANA BART BART MSU RF BHEARD BANGL BART QED/USAIDRF RE FEED FUTURBROWN TU/USAID RF AFLATOXINS WANG TU/USAID RF AFLATOXIN ASIWANG	RC102095 RC102095 RC102095 KDAD160005 TUFTS WANG AID 917 WANG ASIA	92,732 92,732 92,732 1,456,435 35,584 42,209 38,268 24,196 3,463 77,230	89, 89, 89, 1,434,
Agency fo	or International Development of International Development of for International Development SAID Foreign Assistance for Programs Overseas Direct Federal Awards: Federal Flow Through From: MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY MICHIGAN STATE UNIVERSITY OED GROUP LLC TUFTS UNIVERSITY TUFTS UNIVERSITY TUFTS UNIVERSITY	98.001 98.001 98.001 98.001 98.001 98.001 98.001 98.001	MSU RF THEARD TRNG BART MSU RF GHANA BART BART MSU RF BHEARD BANGL BART QED/USAIDRF RE FEED FUTURBROWN TU/USAID RF AFLATOXINS WANG TU/USAID RF AFLATOXIN ASIWANG TU RF FEED FUTURE WANG	RC102095 RC102095 RC102095 RC102095 KDAD160005 TUFTS WANG AID 917 WANG ASIA AGREEMENT	92,732 92,732 92,732 1,456,435 35,584 42,209 38,268 24,196 3,463 77,230 45,062	89, 89, 89, 1,434, 34, 40, 36, 23, 3, 72, 42,

SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

Cluster/ Agency/ Office	Program	CFDA #	Project Name	Identifying Number	Total Federal Expenditures	Amount Provided to Subrecipients
	USAID Development Partnerships for University	Cooperation	and Development			
	Direct Federal Awards:	98.012			2,859,721	2,767,238
	Federal Flow Through From:					
	MICHIGAN STATE UNIVERSITY	98.012	MSU RF BHEARD TRAIN SCHER	RC102095-G1003	22,593	21,661
	MICHIGAN STATE UNIVERSITY	98.012	MSU RF LEGUME SCHOL ADHAD	RC104292	12,442	11,669
	MICHIGAN STATE UNIVERSITY	98.012	MSU RF W/317182 TUITIONAD	RC104292	33,062	33,062
	NORTH CAROLINA STATE UNIV	98.012	NCS/USAIDRF VALUE CHAIN CHEN	2014031606	33,779	31,875
	VIRGINIA POLYTECHNIC INSTITUTE	98.012	VA/USAID RF AFLATOXIN ADHIK	41748619105	16,203	15,290
				Total CFDA #98.012	2,977,800	2,880,795
			Total Agen	cy for International Development	4,783,938	4,648,206
			Total Agen	cy for International Development	4,783,938	4,648,206
			Total	Research & Development Cluster	144,987,546	137,419,662
				Total SEFA	\$ 145,904,589	\$ 138,307,570

NOTES TO THE SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS

YEAR ENDED JUNE 30, 2017

Note 1—Basis of presentation

The accompanying Schedule of Expenditures of Federal Awards (the "Schedule") include the federal award activity of the University of Georgia Research Foundation, Inc. ("Foundation") under programs of the federal government for the year ended June 30, 2017. The information in the Schedule is presented in accordance with the requirements of Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards ("Uniform Guidance"). Because the Schedule presents only a selected portion of the operations of the Foundation, it is not intended to and does not present either the financial position, changes in net assets, or cash flows of the Foundation.

Note 2—Summary of significant accounting policies

Expenditures reported on the Schedule are prepared on the cash basis of accounting. Such expenditures are recognized following, as applicable, either the cost principles contained in OMB Circular A-21, *Cost Principles for Education Institutions*, or the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts shown on the Schedule represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. Pass-through entity identifying numbers are presented where available.

Note 3—Indirect cost rate

The Foundation has elected not to use the 10% de minimis indirect cost rate allowed under Uniform Guidance.

Note 4—Non-cash awards

The Foundation did not receive any material non-cash federal awards during the year ended June 30, 2017.

Note 5—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 the Foundation expects such amounts, if any, to be immaterial.

Note 6—State funds

The State of Georgia receives awards directly from the federal government and supplements those funds with its own funds. The State then awards a combination of federal and state funds to the Foundation. If the Foundation is unable to determine the federal portion, the entire amount is reported on the Schedule.

Note 7—Subrecipient

The Foundation provided all federal awards to the University of Georgia as a sub-recipient.

SCHEDULE OF FINDINGS AND QUESTIONED COSTS

YEAR ENDED JUNE 30, 2017

Summary of Auditor's Results Section I. **Financial Statements** Type of auditor's report issued: Unmodified Internal control over financial reporting: Material weakness(es) identified? yes X none reported Significant deficiency(ies) identified? yes Noncompliance material to financial statements noted? yes X no **Federal Awards** Internal control over major federal programs: Material weakness(es) identified? yes <u>X</u> no Significant deficiency(ies) identified? X none reported yes Type of auditor's report issued on compliance for major programs: Unmodified Any audit findings disclosed that are required to be reported in accordance with 2CFR Section 200.516(a)? yes X no **Identification of Major Programs** The programs tested as major programs of the University of Georgia Research Foundation, Inc. included: CFDA# Name of Federal Program Listed by CFDA number the Schedule Research and Development Cluster The dollar threshold for Type A programs was \$3,000,000. The University of Georgia Research Foundation, Inc. qualified as a low-risk auditee.

Section II. Findings in Relation to the Audit of the Financial Statements

None reported for the year ended June 30, 2017.

Section III. Federal Award Findings and Questioned Costs

None reported for the year ended June 30, 2017.

Section IV. Prior-Year Findings

There were no prior-year findings reported.