

# **University of South Carolina**

**Reports Required by *Government Auditing Standards*  
and the *Uniform Guidance***

***For the year ended June 30, 2016***

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**University of South Carolina**

**Reports Required by *Government Auditing Standards* and the *Uniform Guidance***  
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**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2016**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>Research and Development Cluster</b>				
<b>National Academy of Sciences</b>				
Passed through programs from:				
<b>University of South Carolina Research Foundation</b>				
Phase II - University-Industry Demonstration Partnership	00.RD	2000003311	\$ -	\$ 403
<b>Total National Academy of Sciences</b>			<b>-</b>	<b>403</b>
<b>U.S. Department of Agriculture</b>				
A US-China Joint Program on Forestry Biomass Utilization for Sustainable Materials and Nanotechnologies	10.RD	2011-51160-31205	-	(2,811)
A Comparative Approach to Identify Functional Amino Acid Response Elements of Genes Controlling Ovarian Function	10.RD	2014-67016-21723	9,547	40,400
Regional Models for Used in Understanding Maimaiga Outbreaks	10.RD	13-CA-11420004-150	-	11,319
Science of Soil Health Communication and Education	10.RD	68-7482-14-505	-	1,539
The Effect of Aerobic and/or Intermittently Flooded Rice Cultivation on AQP Transcription Levels and the Nutritional Quality of Rice Grain	10.RD	2012-69002-19796	-	62
Improving Satellite Soil Moisture Spatial Resolution	10.RD	58-8042-5-020	-	31,564
Perennial Biomass Crop Establishment and Environmental Impact in the Midwestern, United States	10.RD	2012-67009-22137	65,241	168,825
Molecular Characterization of Regulatory Factors Involved in Aspergillus flavus Development, Secondary Metabolism and Survival	10.RD	58-6054-5-031	-	60
The Food Insecurity Experience Scale and Household/Individual Correlates of Food Insecurity	10.RD	58-3000-5-0035	-	20,279
Science of Soil Health - the Big Picture and Bringing it Home	10.RD	68-7482-15-500	-	30,000
To Provide Technical Assistance and to Promote Soil Health Through the Conservation Stewardship Program	10.RD	68-4639-15-528	-	41,717
Passed through programs from:				
<b>Purdue University</b>				
Altered Daily Activities and Shame Resulting from Children Experiencing Food Insecurity in Rural South Carolina and Oregon	10.RD	8000067572	12,239	25,233
Identifying Multiple Patterns of Characteristics that Result in U.S. Urban and Rural Households Having Very Low Food Security Using Classification Trees	10.RD	8000069788	-	23,755
<b>The Regents of the University of California</b>				
A Comparative Study of the Narratives of Climate Change Vulnerability in the Volta River Delta of Ghana	10.RD	016258-122	-	17,731
<b>Richland Soil and Water Conservation District</b>				
Using CO2 Burst Tests to Measure On-Farm Plant Available Nitrogen from Cover Cropped Soils in South Carolina	10.RD	69-4639-13-0020	-	4,202
<b>University of South Carolina Research Foundation</b>				
Distributed On-Farm Bioenergy, Biofuels and Biochemicals (FarmBio3) Development and Production via Integrated Catalytic Thermolysis	10.RD	59-1935-3-001	-	9,894
COPAScities: Childhood Obesity Prevention in SC Communities (Fast Food Mania: Researching and Writing about the Politics of Eating)	10.RD	2012-69001-19615	-	399,626
Technical Assistance to City Roots for Conservation Innovation Grants	10.RD	69-3A75-12-210	-	4,628
<b>South Carolina Department of Agriculture</b>				
Leveraging Social Media to Augment Certified South Carolina by Millennial Consumers	10.RD	15-FSMIP-SC-0006	-	22,761
<b>University of North Carolina at Greensboro</b>				
Subcontract: Relative Caregivers in SNAP and Child-Only TANF Cases: Evidence from South Carolina Administrative Data	10.RD	20150033	-	12,194
<b>Dillon County Soil &amp; Water Conservation District</b>				
Technical Support of Dillon SWCD's 2015 CIG Proposal, "Demonstrating Tillage and Cover Crop Management Strategies on a Corn-Wheat-Soybean Rotation"	10.RD	11510FB75	-	7,419
<b>Hub City Farmers Market</b>				
SNAP Marketing - Sub to Hub City Farmer's Market	10.RD	SNAP-FSUP-15-SC	-	6,681
<b>Total U.S. Department of Agriculture</b>			<b>87,027</b>	<b>877,078</b>
<b>U.S. Department of Commerce</b>				
EDA 2012 University Centers Grant : Innovista Center for Product Realization	11.RD	04-66-06677	-	61,181
EDA 2012 University Centers Grant : Innovista Center for Product Realization	11.RD	04-66-06677	-	107,903
Indicators and Indices of Drought in Southeastern Coastal Ecosystems	11.RD	NA130AR4310173	-	71,648
North Inlet - Winyah Bay National Estuarine Research Reserve	11.RD	NA14NOS4200054	-	22,417
Continuing Support of the NERR Centralized Data Management Office	11.RD	NA14NOS4200138	-	144,133
Attracting Retirees and Pre-retirees to Rural South Carolina	11.RD	04-88-07078	-	19,170
Continuing Support of the NERR Centralized Data Management Office	11.RD	N15NOS4200136	-	224,253
North Inlet-Winyah Bay National Estuarine Research Reserve	11.RD	NA15NOS4200120	-	579,264
Filling Critical Life History Information Gaps of Data-Poor Fisheries in U.S. Caribbean Waters: Age, Growth, and Reproduction of Queen Triggerfish and Four Species of Parrotfish	11.RD	NA15NMF4330157	-	56,631
Passed through programs from:				
<b>University of South Carolina Research Foundation</b>				
Developing a Low Impact Development Manual for Coastal South Carolina to Serve as Guidance for Improved Stormwater Management	11.RD	13-013	24,858	40,847
Integrated Modeling for the Assessment of Ecological Impacts of Sea Level Rise	11.RD	16206031-5	-	44,856
MERHAB 2009: Comparative Analysis of Quantitative Detection Methods for Enumeration of HAB Species: Applications for Resource Management	11.RD	NA10NOS4780141	602	20,620
Carolinas Integrated Sciences and Assessments	11.RD	NA11OAR4310148	116,295	643,071
Carolinas Integrated Sciences and Assessments	11.RD	NA11OAR4310148	-	43,983
Development of a Genetic Spawning Stock Diversity Index for Western Atlantic Bluefin Tuna	11.RD	NA12NMF4720061	-	(1,488)

The accompanying notes are an integral part of this schedule.

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2016**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>U.S. Department of Commerce, continued</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Sea Grant Consortium</b>				
Metal and Nanomaterial Contamination in Stormwater System in South Carolina	11.RD	A/E-SW4	-	7,487
Characterizing the State of Knowledge of South Carolina Stormwater Detention Ponds: Ecosystem Function within the Coastal Landscape	11.RD	A/E-SW2	5,415	15,517
Development and Validation of a Novel Molecular Tool to Rapidly Detect and Quantify Harmful Algal Bloom (HAB) Species Linked with Fish Kills and Public Health	11.RD	N254	-	44,939
Vibrio Parahaemolyticus Virulence and Its Magnification in the Eastern Oyster, Crassostrea Virginica	11.RD	N256	-	51,044
Clonal Aging and the Molecular Basis for Sudden Marsh Dieback	11.RD	N250	-	28,075
Hydrology and Pollutant Removal Performance in Detention Ponds Typical of the Lower Coastal Plain of South Carolina	11.RD	N152	6,546	8,493
Vibrio Parahaemolyticus Virulence and Its Magnification in the Eastern Oyster, Crassostrea Virginica	11.RD	N156	-	5,607
Development and Validation of a Novel Molecular Tool to Rapidly Detect and Quantify Harmful Algal Bloom (HAB) Species Linked with Fish Kills and Public Health	11.RD	N154	-	(1,110)
Hydrology and Pollutant Removal Performance in Detention Ponds Typical of the Lower Coastal Plain of South Carolina	11.RD		22,837	54,236
Stormwater Pond Inventory for the Eight Coastal Counties of South Carolina	11.RD	A/E-SW1	21,863	25,441
Determining Sedimentation Rates in Stormwater Detention Ponds to Improve Life-Cycle Cost Assessments Associated with Maintenance Dredging	11.RD	N365 (R/ER-48)	-	10,701
Development of a New Molecular Tool to Rapidly Detect and Quantify Harmful Algal Blooms (HABs) Caused by Cyanobacteria: Enhanced Early Warning to Safeguard Environmental and Public Health	11.RD	N364 (R/ER-47)	-	14,045
How Does Coastal Development Impact Groundwater Inputs to Estuarine Tidal Creeks	11.RD	N363 (R/CP-21)	-	15,074
<b>University of New Hampshire</b>				
Improving Management of Coastal Habitats: Testing a Tool to Assess the Vulnerability of Coastal Habitats to Climate Change Impact	11.RD	14-020	-	11,978
<b>Rutgers University</b>				
Exploring Mechanisms for Linking Climate Change, Long-Term Laval Fish Abundance, and Water Quality Monitoring Data for Fisheries Management Decisions	11.RD	5087	-	(1,895)
<b>The Regents of University of Michigan</b>				
A Collaborative Science Program for the National Estuarine Research Reserve System: With End Users Throughout the Applied Research Process	11.RD	3003300692	-	28,489
<b>Southeast Coastal Ocean Observing Regional Association</b>				
Southeast Coastal Ocean Observing Regions Association (SECOORA): A Framework for Monitoring, Prediction, and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Water Quality Modeling (Year 4)	11.RD	IOOS.11(033)USC	11,039	32,696
Southeast Coastal Ocean Observing Regional Association (SECOORA): A Framework for Monitoring, Prediction, and Assessment to Support Decision - Makers Need for Coastal and Ocean Data and Tools: Maintain and Operate IOOS/SECOORA Priority USC HF Radar Sites, Year 4	11.RD	IOOS.11(033)USC	-	46,492
Southeast Coastal Ocean Observing Regional Association (SECOORA): A Framework for Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Water Quality Modeling (Year 4)	11.RD	IOOS.11(033)USC	-	29,876
Southeast Coastal Ocean Observing Regional Association (SECOORA): A Framework for Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Water Quality Modeling (Year 4)	11.RD	IOOS.11(033)USC	-	44,002
Southeast Coastal Ocean Observing Regional Association (SECOORA): A Framework for Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Water Quality Modeling (Year 4)	11.RD	IOOS.11(033)USC	-	95,710
Instrumentation Support for a Water Quality Monitoring Station in the Central Channel of Winyah Bay	11.RD	IOOS.11(033)USC	-	39,870
Southeast Coastal Ocean Observing Regional Association (SECOORA): A Framework for Monitoring, Prediction, and Assessment to Support Decision - Makers Need for Coastal and Ocean Data and Tools: Maintain and Operate IOOS/SECOORA Priority USC HF Radar Sites, Year 4	11.RD	IOOS.11(033)USC	-	97,837
NOS Roadmap FY15 Stimulus Funding Coastal Intelligence and Resilience Integration with NOS Place-Based Observing Networks: Increasing Awareness and Enhancing Collaborations within OCM/NERRS and IOOS	11.RD	NA11NOS0120033	-	24,411
<b>University Corp for Atmospheric Research</b>				
Improving Drought Loss Accounting in SHELUDS	11.RD	Z15-21827	-	36,313
<b>Total U.S. Department of Commerce</b>			<b>209,455</b>	<b>2,843,817</b>

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<b>U.S. Department of Defense</b>				
Five Late Discoveries, U.S. Army Garrison, Fort Jackson, South Carolina	12.RD	W9126G-14-20060	-	8,644
Accelerating Peripheral Nerve Regeneration through Spatial Signaling	12.RD	W81XWH-13-10308	106,491	225,040
ESRDC - Designing and Powering the Future Fleet	12.RD	N00014-14-10165	181,606	1,240,012
ESRDC - Designing and Powering the Future Fleet	12.RD	N00014-14-10165	-	236,849
ESRDC - Designing and Powering the Future Fleet: Additional Task 1.4.3 Concept Refinement	12.RD	N00014-14-10668	-	153,621
Physics of Materials Based Predictive Methodology for AE Signals ID Validated by Experiments under Various Operational and Environmental Conditions	12.RD	N00014-14-10655	-	230,045
Spectral, Probabilistic, and Information-theoretic Analysis for Graphs and Hypergraphs	12.RD	N00014-13-10717	-	50,535
Ultrasonic NDE/SHM Equipment for Advanced Materials and Structures	12.RD	FA2386-13-13014	-	180,056
Quantifying Multi-Scale Response of Engineered and Energetic Materials during Aggressive Conditions	12.RD	FA955-14-10209	-	94,901
Number Theoretic Problems on Polynomials	12.RD	H98230-14-10123	-	6,074
Polynomial Problems in Number Theory	12.RD	H98230-15-10017	-	8,006
The Social Structural Foundation of Reputation, Cooperation and Prosocial Behavior	12.RD	W911NF-15-10131	10,000	91,488
Testing a Mathematical Model of Status Processes and Faction Sizes	12.RD	W911NF-14-10398	-	11,172
Artifact Curation for the Charlesfort/Santa Elena Archaeological Collection	12.RD	M00263-14-P0116	-	30,445
A New Generation of Acoustic Emission Smart Sensors	12.RD	N00014-15-1-2102	-	64,028
Development of Universal Controller Architecture for SiC Based Power Electronic Building Blocks	12.RD	N00014-15-1-2346	-	104,739
Development of Universal Controller Architecture for SiC Based Power Electronic Building Blocks	12.RD	N00014-15-1-2346	-	40,756
IEEE Electric Ship Technologies Symposium Emerging Technologies for Future Electric Ships (IEEE ESTS 2015).	12.RD	N00014-15-1-2477	-	10,000
Upper Ocean Mixing Processes and Circulation in the Arabian Sea during Monsoons using Remote Sensing, Hydrographic Observations and HYCOM Simulations	12.RD	N00014-15-1-2591	-	28,769
Fort Jackson Digital Archives and Curation Evaluation	12.RD	W9126G-15-2-0047	-	13,421
Bubble/Vapor Slug Dynamics in a Confined Domain	12.RD	N00014-16-1-2307	-	24,854
Bubble/Vapor Slug Dynamics in a Confined Domain	12.RD	N00014-16-1-2307	-	9,592
Singular Curves and Their Moduli Spaces	12.RD	H98230-15-1-0264	-	14,988
Analytic Methods in Arithmetic Statistics	12.RD	H98230-16-1-0051	-	16,070
<b>Passed through programs from:</b>				
<b>University of South Carolina Research Foundation</b>				
Highly Effective Compression and Evaluation of Geodetic Quantities	12.RD	HM01771210004	-	157,329
Development of High Quality 4H-SiC Thick Epitaxy for Reliable High Power Electronics Using Chlorinated Precursors	12.RD	N00014-10-10530	-	(4,706)
Multiscale Extended Finite Element Method for Failure	12.RD	N00014-13-10386	-	22,753
SBIR PHASE II: Efficient Manufacturing of Low Defect Density SiC Substrates Using a Novel Defect Capped Planarization Assisted Growth (DC-PAG) Method	12.RD	SINMAT INC	-	39,267
Synthetic Lectins: New Tools for Detection and Management of Prostate Cancer	12.RD	W81XWH-12-10280	-	41,903
Northern Indian Ocean Salt Transport (NIOST): Estimation of Fresh and Salt Water Transports in the Indian Ocean Using Remote Sensing, Hydrographic Observations, and HYCOM Simulations	12.RD	N00014-12-10454	-	46,662
Mechanisms of Enhanced Flow Boiling with High Frequency Self-Modulated Microbubble-Switched Oscillations Towards Water-Free Biologics	12.RD	N00014-12-10724	-	2,992
Predictive Sensing for Space Applications	12.RD	3002059600	-	68,341
Multiscale Mathematics for Nano-Particle-Endowed Active Membranes and Films	12.RD	FA9550-11-10133	-	(901)
Science and Engineering Short Courses: Mobile Ad Hoc Networks (MANET)	12.RD	FA9550-12-10178	93,438	196,964
Vitamin D and Related Genes, Race and Prostate Cancer Aggressiveness	12.RD	N65236-D6839003	-	25,113
University of South Carolina Nuclear Engineering Faculty Excellence Program	12.RD	W81XWH-11-10568	-	10,783
Science and Engineering Short Courses: Network and Software Applications Security	12.RD	NRC-HQ-11-G-38-0009	-	39,457
	12.RD	N65236-10D68390004	-	19,657
<b>South Carolina National Guard</b>				
DESIGN, Build, and Operate a Blackhawk Auxiliary Power Unit TEST STAND	12.RD	W912QG-13-D-0001	-	582,256
Identifying Benefits to the Soldier and Maintainer, and Identifying Efficiencies in the Operational Environment through Multi-Platform DSC/HUMS Analysis	12.RD	W912QG-13-D-0001	-	128,805
<b>Concurrent Technology Corporation</b>				
ONC Corrosion FNC Repair Tool	12.RD	150200016	-	124,283
<b>Universal Technology Corporation</b>				
Modeling of Damage Evolution in Textile Composites	12.RD	14-S7407-09-C1	-	8,245
Reconfigurable Pixel Based Conformal Load Bearing Antenna Structures (CLAS)	12.RD	14-S2605-04-C5	-	38,565
Reconfigurable Pixel Based Conformal Load Bearing Antenna Structures (CLAS)	12.RD	15-S2606-04-C18	-	84,491
<b>Defense Threat Reduction Agency</b>				
Uncovering and Penetrating CBRN Networks: A General Methodology for Mapping Covert Social Networks	12.RD	HDTRA1-15-1-0065	129,568	231,385
<b>South Carolina Office of the Adjutant General</b>				
National Register Evaluation of Two Adjutant General Armory Complexes for the Adjutant General	12.RD	4100065892	-	772
On-Site GA for McCrady Training Facility, 2015-16	12.RD	4100062175	-	18,980
<b>UES, Inc.</b>				
Fiber Tracking in Composite Material Images	12.RD	S-901-486-002	-	27,000
<b>Brainscope Company, Inc.</b>				
Objective Brain Function Assessment of mTBI from Initial Injury to Rehabilitation and Treatment Optimization	12.RD	04-2015 Sports	-	93,584

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**For the year ended June 30, 2016**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>U.S. Department of Defense, continued</b>				
<b>Passed through programs from:</b>				
<b>Correlated Solutions</b>				
Developing a Robust, Non-contacting, Digital Image Correlation Based Full-field Strain Measurement System for High Temperature Applications	12.RD	FA8650-15-M-2600	-	42,262
<b>Accelent Technologies, Inc.</b>				
Explaining Precursor to Damage State in Composites at Multiple Length Scale using Quantitative Ultrasonic and SEM	12.RD	W911QX-15-C-0044	-	23,801
<b>Brown University</b>				
Fractional PDEs for Conservation Laws and Beyond: Theory, Numerics and Applications	12.RD	No. 00000851	-	48,473
<b>Intelligent Automation, Inc.</b>				
WeatherMan: A Novel Mission Planning Tool using Gridded Weather Ensemble Forecasting Data	12.RD	2171-1	-	2,003
<b>South Carolina Army National Guard</b>				
Pollinator Diversity and Abundance at The McCrady and Clarkhill Training Sites	12.RD	E2401ARM0216	-	2,295
Assessing the Impacts of the October 2015 Meteorological Event on the Topography and Road Network of the McCrady Training Center	12.RD	E2401ARM0216	-	3,267
<b>Total U.S. Department of Defense</b>			<b>521,103</b>	<b>5,020,186</b>
<b>U.S. Department of Interior</b>				
Optimization of Marsh Restoration for Storm Surge Abatement and Sea Level Rise	15.RD	F14AC01068	61,474	104,582
Upscaling Coastal Carbon Monitoring from Points to Polygons: Using Satellite Data to Improve "Blue Carbon"				
Monitoring and Verification in Wetland Sediments under REDD+	15.RD	G15AC00094	-	29,323
Development of Ecosystem Forecasting Tool to Assess Climate Change Vulnerability and Predict Vibrio Bacterial Abundance in National Parks of the US	15.RD	P14AC01695	-	(797)
Benthic Boundary Layer Processes and Bed Evolution during Hurricane Sandy on Fire Island, NY	15.RD	G14AC00074	-	26,632
Boundary Definition and GPS Mapping: Parker's Ferry Battlefield	15.RD	GA-2287-15-024	-	917
Modeling Salt Marsh Condition and Resiliency in four National Parks Based on Local Sea Level Rise Predictions to Assist Park Managers in Understanding Local Conditions and to Develop Mitigation Strategies	15.RD	P13AC000443	-	108,585
<b>Passed through programs from:</b>				
<b>South Carolina Sea Grant Consortium</b>				
Atlantic Offshore Wind Energy Development: Geophysical Mapping, Oceanographic Data Collection, and Identification of Paleolanscapes and Historic Shipwrecks Offshore South Carolina	15.RD	R/BOEM-1B	-	13,564
Atlantic Offshore Wind Energy Development: Geophysical Mapping, Oceanographic Data Collection, and Identification of Paleolanscapes and Historic Shipwrecks Offshore South Carolina	15.RD	R/BOEM-1C	-	42,958
Atlantic Offshore Wind Energy Development: Geophysical Mapping, Oceanographic Data Collection, and Identification of Paleolanscapes and Historic Shipwrecks Offshore South Carolina	15.RD	R/BOEM-1B	-	10,301
Atlantic Offshore Wind Energy Development: Geophysical Mapping, Oceanographic Data Collection, and Identification of Paleolanscapes and Historic Shipwrecks Offshore South Carolina	15.RD	M15AC00001	-	15,589
Atlantic Offshore Wind Energy Development: Geophysical Mapping, Oceanographic Data Collection, and Identification of Paleolanscapes and Historic Shipwrecks Offshore South Carolina	15.RD	M15AC00001	-	10,439
<b>South Carolina Department of Archives and History</b>				
Charleston Harbor Stone Fleets Survey	15.RD	SC DAH/NPS/DOI	-	565
Archaeological Survey of Pre-Columbian Settlement on Hobcaw Barony	15.RD	21300FA93	-	6,176
<b>South Carolina Department of Natural Resources</b>				
Identification of Refuge Areas for Genetically Pure Redeye Bass Micropterus Coosaw in Savannah Basin Streams	15.RD	P24015405413	-	12,634
<b>South Carolina Research Foundation</b>				
Synthesis of High and Low Marsh Habitat Mapping and Responses to Sea-Level Rise in the South Atlantic Region	15.RD	A130120-S002	-	5,822
Sediment Trapping Program in the Gulf of Mexico	15.RD	G11PX01039	-	11,313
Assess the Distribution and Status of Champion Trees at Congaree National Park, CESU	15.RD	H5000085100	-	4,419
<b>Clemson University</b>				
Human and Ecological Health Impacts Associated with Water Reuse: Engineered Systems for Removing Priority Emerging Contaminants	15.RD	1827-216-2021030	45,602	58,426
<b>North Carolina State University</b>				
Conservation Adaptation Planning for Landscape and Climate Changes in the Southeast	15.RD	2014-3086-01	-	28,466
<b>The Santee Accord</b>				
Relative Contributions of Hatchery Derived and Transported to the Santee-Cooper River Basin American Shad (Alosa sapidissima) Population	15.RD	SANTEE ACCORD	-	83,933
Relative Contributions of Hatchery Derived and Transported to the Santee-Cooper River Basin American Shad (Alosa sapidissima) Population	15.RD	THE SANTEE ACCO	-	27,235
<b>Total U.S. Department of Interior</b>			<b>107,076</b>	<b>601,082</b>

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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>U.S. Department of Justice</b>				
Interconnecting PBIS and School Mental Health to Improve School Safety: A Randomized Trial	16.RD	2015-CK-BX-0018	42,160	134,640
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
Multimode Imaging in the Thermal Infrared: Validation for Blood, Extension to Latent Prints	16.RD	2011-IJ-CX-K055	-	50,477
The Impact of Incarceration on Families: A Single-Jurisdiction Pilot Study Using Triangulated Administrative Data and Qualitative Interviews	16.RD	2012-IJ-CX-0034	-	46,546
Evidence-Based Solutions to Reduce Law Enforcement Officer Vehicular Crashes	16.RD	2012-DB-BX-K002	-	49,806
<b>Total U.S. Department of Justice</b>			<b>42,160</b>	<b>281,469</b>
<b>U.S. Department of State</b>				
Justice Sector Training, Research, and Coordination Program (JusTRAC)	19.RD	S-INLEC-14-CA-1034	-	975,518
Justice Sector Training, Research, and Coordination Program (JusTRAC)	19.RD	S-INLEC-14-CA-1034	-	18,900
<b>Passed through programs from:</b>				
<b>IREX-ULP</b>				
Capacity-Building in Faculty Instructional Strategies in Water Resources and Environmental Engineering	19.RD	FY16-IULP-USC-01	-	12,977
<b>Total Department of State</b>			-	<b>1,007,395</b>
<b>U.S. Department of Transportation</b>				
<b>Passed through programs from:</b>				
<b>Federal Railroad Administration</b>				
High-Strength Reduced-Modulus High Performance Concrete (HSRM-HPC) for Prestressed Concrete Tie Applications	20.RD	DTRF53-14C00023	-	102,702
<b>South Carolina Department of Transportation</b>				
Calibration of the AASHTO Pavement Design Guide to South Carolina Conditions - Phase 1	20.RD	1597	-	81,979
IBRD Program: In-Situ Monitoring of Precast Approach Slabs	20.RD	1534	-	1
A GIS-based Mitigation Forecasting Tool and Study on Advanced Mitigation Processes used by DOTs	20.RD	1633	-	144,600
Better Construction Project Management through Better Scheduling	20.RD	1729	-	48,130
Feasibility Study for Rapid Condition Assessment of Bridge Decks	20.RD	1762	-	26,215
Sign Life Expectancy	20.RD	1823	-	12,758
The Effects on a SC DOT Project, both Monetary and to the Public, Resulting From Addressing Project-Related Challenges during the Permitting Processes	20.RD	1829	-	7,859
<b>South Carolina Department of Archives and History</b>				
ArchSite IIB: Research and Support for Web-Based Archaeological & Historical Site Geodata	20.RD	SCDAH/DOT	-	21,625
<b>Clemson University</b>				
SCDOT Asset Allocation	20.RD	1796223-2010467	-	33,961
Integration of the Incident Command System (ICS) Protocol for Effective Coordination of Multi-Agency Responses to Traffic Incidents	20.RD	16322232008983	-	15,505
Operational and Economic Analysis of Access Management	20.RD	1789-223-2010325	-	34,300
Cost Effective Strategies for Estimating Statewide AADT	20.RD	1804-223-2010468	-	36,101
<b>Columbia Urban League, Inc.</b>				
University of South Carolina and Columbia Urban League	20.RD	15900FA50	-	6,212
<b>Total U.S. Department of Transportation</b>			-	<b>571,948</b>
<b>National Aeronautics and Space Administration</b>				
Mathematical Modeling and Simulation of Spacebased Droplet Combustion - Scientific Support to the FLEX1 and FLEX2 Program	43.RD	NNX14AG46A	-	85,184
Connecting the Interstellar Gas and Dust Properties of Distant Galaxies	43.RD	NNX14AG74G	34,499	42,042
Oxygen Recovery via Carbon Dioxide Electrolysis with Microtubular Solid Oxide Cells	43.RD	NNX14AB26G	-	255,337
Debra Wallace Assignment Agreement	43.RD	NASA	-	43,012
Determination of Available Water Capacity for the Mekong River Basin using Model, Satellite and Ground Observations	43.RD	NNX14AO056	-	42,963
Miniature Spatial Heterodyne Time-Resolved Raman Spectrometer (SRHS) for Planetary Surface and Subsurface Boreholes Mineralogy	43.RD	NNX14AI34G	175,271	349,317
Comparative Study of Available Water in the Major River Basins of the World	43.RD	NNX15AN39G	-	39,690
Multi-scale Computational Non-destructive Evaluation (NDE) for Composites	43.RD	NNL15AA16C	-	139,955
<b>Passed through programs from:</b>				
<b>College of Charleston</b>				
EPSCoR/IDEA State Committee Distribution - NASA EPSCoR	43.RD	521000-USC	-	177,478
Explore a Unified, Ultra-efficient, and Gravity-insensitive Flow Boiling Regime for Space Missions	43.RD	521154-USC	55,139	288,380
Heterogeneous Nanodielectric Polymers for High Energy-Density Capacitor Applications	43.RD	22-NE-USC-TANG	-	7,798
A Novel Computational Method for Nondestructive Evaluation of Space Composites	43.RD	521179-PA-USCBA	-	13,444
USC SC Space Grant Consortium Award	43.RD	521179-CD-USC	-	1,468
Rapid Inspection of Long Range Defects in Composite Structures Through Non-contact Ultrasonic Guided Wave Smart Array	43.RD	521192-USCYu	-	19,814
Remote Geochemical Analysis under Venus Atmospheric Pressure using Raman and Laser-Induced Breakdown Spectroscopy (LIBS)	43.RD	521179-RP-USCAngel	-	738
Stress Engineering to Develop High Power and High Energy Density Batteries for Next Generation Space Exploration	43.RD	521179-RP-USCZhou	-	19,466
NASA-related Research Support	43.RD	520829-USC-Li	-	3,800

The accompanying notes are an integral part of this schedule.

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>National Aeronautics and Space Administration, continued</b>				
<b>Passed through programs from:</b>				
<b>Jacobs Technology, Inc</b>				
Novel Pressure Swing Adsorption (PSA) Cycle to Facilitate Heavy Component (CO2) Enrichment and Recovery	43.RD	15N0052	-	67,077
New PSA Cycle for CO2 Removal and Concentration during Closed-Loop Human Space Exploration Missions	43.RD	NNM12AA41C	-	168,731
<b>South Carolina Research Foundation</b>				
Downscaling of Passive Microwave Soil Moisture Using Vegetation and Surface Temperature	43.RD	NNX12AP75G	23,548	122,998
Physiological Impacts of Climate Change Using Remote Sensing	43.RD	NNX11AP77G	-	179,693
Physiological Impacts of Climate Change Using Remote Sensing	43.RD	NNX11AP77G	-	37,740
Physiological Impacts of Climate Change Using Remote Sensing	43.RD	NNX11AP77G	-	30,804
Unmanned Aircraft Systems (UAS) Research: The AG Channel, Robust Waveforms, and Aeronautical Network Simulations	43.RD	NNX12AR56G	-	213,009
New Approaches to Understanding the MJO using Satellite Altimetry and Aquarius Salinity in the Tropical Oceans	43.RD	NNX13AM60G	-	106,664
Molecules in the Distant Universe: Herschel Spectroscopy of Damped Lyman-alpha Quasar Absorbers	43.RD	1427151	-	58,106
Rings of Fire: A Spitzer IRAC Study of Polar Ring Galaxies	43.RD	1438611	-	5,557
Sub-Damped Lyman-alpha Absorbers at z < 0.6: An Unexplored Terrain In the Quest for Cosmic Metals	43.RD	HST-GO-12536.01-A	-	12,153
Star Formation and Molecular Gas in Distant Galaxies: SPIRE Spectroscopy of Quasar Absorption Systems	43.RD	1456904	-	37,033
RELICS : Reionization Cluster Lensing Survey	43.RD	HST-GO-14096.014-A	-	4,980
Refsdal Redux : Precise Measurements of the Reappearance of the First Supernova with Multiple Resolved Images	43.RD	HST-GO-14199.019-A	-	10,515
FrontierSN2 : Second Year of Frontier Field Supernova Search	43.RD	HST-GO-13386.021-A	-	8,707
<b>Total National Aeronautics and Space Administration</b>			<b>288,457</b>	<b>2,593,653</b>
<b>Institute of Museum and Library Services</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
Development and Validation of Infrared Spectroscopy as a Rapid, Non-destructive Tool for Determining the Degradation State and Magnetic Tape	45.RD	LG-06-12-056912	-	164,792
Trees and Tweets: Mining Billions to Understand Human Migration and Dialect Variation	45.RD	LG-00-14-003014	-	21,440
<b>Total Institute of Museum and Library Services</b>			<b>-</b>	<b>186,232</b>
<b>National Endowment for the Arts</b>				
This Far by Faith: Carolina Camp Meetings, An African-American Tradition	45.RD	15-5500-7033	-	13,937
Diverse Voices: Traditional Music in South Carolina	45.RD	15-5500-7083	-	6,551
<b>Total National Endowment for the Arts</b>			<b>-</b>	<b>20,488</b>
<b>National Endowment for the Humanities</b>				
AEO-Light 2.0: An Open Source Application for Image-Based Digital Reproduction of Optical Film Sound	45.RD	PR-50207-15	-	77,417
The Revolutionary Era Pinckney Statesmen of South Carolina: a Digital Documentary Edition	45.RD	RQ5074813	-	37,518
The Revolutionary Era Pinckney Statesmen of South Carolina: a Digital Documentary Edition	45.RD	RQ-230547-15	-	125,684
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
PARAGON: Intelligent Digital Collation and Difference Detection	45.RD	HK-50032-12	-	1,795
PARAGON: Intelligent Digital Collation and Difference Detection	45.RD	HK-50032-12	-	17,713
Shakespeare and His First Folio	45.RD	16-1670-1	-	7,375
<b>Total National Endowment for the Humanities</b>			<b>-</b>	<b>267,502</b>
<b>National Science Foundation</b>				
NSF Graduate Fellowship: Benjamin Davis	47.RD	0929297	-	48,087
Collaborative Research: Laser Induced Breakdown Spectroscopy System for Alvin	47.RD	OCE-1154735	-	75,972
IGERT: Functional Nanomaterials for Sustainable Energy Solutions	47.RD	DGE-1250052	-	518,762
The Internal Structure of Deposits Emplaced under Upper Plane Bed/Sheet Flow Transport Conditions: Laboratory Experiments and Numerical Modeling	47.RD	EAR-1250641	-	53,908
CAREER: Metal-Semiconductor Hybrid Core-Shell Heteronanostructures with Geometrically Tunable Optical Properties	47.RD	DMR-1253231	-	101,019
CAREER: Uncertainty Quantification in the Rational Design of Bifunctional Catalysts	47.RD	CBET-1254352	-	76,069
Assimilation Rates of Dissolved Organic Carbon by Photomixotrophic Estuarine Phytoplankton	47.RD	OCE-1260134	-	72,905
The Medieval Black Death: Analysis of the Demographic, Health and Social Consequences of a Historic Emerging Disease	47.RD	BCS-1261682	-	24,177
Unraveling the Mechanisms of Superior Oxygen Reduction Reaction Kinetics Promoted by Molten Carbonates:				
Implications for Low Temperature Solid Oxide Fuel Cells	47.RD	CBET-1264706	-	39,831
Friction Extrusion Process and Equipment Development for Production of High Value Materials From Low-Cost Precursors	47.RD	CMMI-1266043	-	81,819
Understanding the Chemical Activity of Oxide-supported Bimetallic Clusters	47.RD	CHE-1300227	-	104,475
Extremal and Probabilistic Combinatorics with Applications	47.RD	DMS-1300547	-	36,951
Crystal Growth of Complex Luminescent Oxides	47.RD	DMR-1301757	-	160,472
Crystal Growth of Complex Luminescent Oxides	47.RD	DMR-1301757	-	1,670
Doctoral Dissertation Research: Beliefs, Attitudes, and Intended Tornado Sheltering Strategies of Mobile Home Residents	47.RD	1301822	-	1,086
Doctoral Dissertation Research: The Meaning of Place Recovery on the Mississippi Coast	47.RD	BSC-1301830	-	447
Self-assembled Organic Nanotubes from Cyclic Ureas	47.RD	CHE-1305136	-	151,044
Participation in the Construction and Operation of the CUORE and Majorana Neutrinoless Double-Beta Decay Experiments	47.RD	PHY-1307204	-	228,240



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<b>National Science Foundation, continued</b>				
Development of Functional Polymer-Protein Core-Shell Nanoparticles	47.RD	CHE1307319	-	99,210
Instrument Development: A Miniature, High-resolution, Stationary Grating Spatial Heterodyne UV Raman Spectrometer-Towards Miniature UV Raman Spectrometer-Towards Miniature UV Raman Sensors and "Raman on a Chip"	47.RD	CHE-1308211	-	157,050
Reaction Networks in Environmental Systems: Connecting Reactive Oxygen Species Generation and Particle Formation during the Oxidation of Ferrous Iron	47.RD	CHE-1308801	-	79,352
Mathematical Modeling and Computational Studies for Proliferation Kinetics of Cancer Tumor Growth with Spatial-Temporal Dynamics	47.RD	DMS-1308948	-	69,380
Defect Engineered Graphene Gate in a Subthreshold SiC MESFET for Emissions Sensing	47.RD	ECCS-1309466	-	102,219
Defect Engineered Graphene Gate in a Subthreshold SiC MESFET for Emissions Sensing	47.RD	ECCS-1309466	-	11,568
Molecular Balance for Measuring Molecular-Level Anion Effects on Amino Acids	47.RD	CHE-1310139	-	116,728
Fluid and Chemical Fluxes Across the Seafloor of a Passive Margin	47.RD	EAR-1316250	-	95,765
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	OIA-1317771	3,116	462,664
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	-	10,000
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	-	102,664
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	-	100,000
Multiscale Computational Methods with Applications in Materials Science and Tissue Engineering	47.RD	DMS-1318866	-	69,580
Collaborative Research: Sea-Level Rise and Salt-Marsh Response: a Paleo Perspective	47.RD	EAR-1322859	-	15,232
EAGER/Collaborative Research: Overcoming Barriers to Diffusion and Adoption of Sustainable and Resilient Building Materials in Coastal Areas of Southern Mexico	47.RD	CBET-1321489	-	22,590
VOSS Collaborative Research: I Want you to Know Who I Am: Identity Communication and Verification in Virtual Teams	47.RD	ACI-1322001	-	21,483
CPS: Synergy: Collaborative Research: Engineering Safety-Critical Cyber-Physical-Human Systems	47.RD	CNS-1329870	-	96,596
Collaborative Research: Measuring Social Vulnerability--Reducing Uncertainty and Validating Indicators	47.RD	CMMI-1333243	-	42,080
Collaborative Research: Deciphering Induced-Charge Electrokinetics: Multiscale Simulations and Nanoscale Flow Characterization	47.RD	CBET-1336004	-	12,718
Nanotips Induced Boundary Layer to Enhance Flow Boiling in Microchannels	47.RD	CBET-1336443	-	47,126
Effect of Microstructure and Interface Layer on the Fracture and Thermal Behavior of Nanocomposites	47.RD	EEC-1342379	-	23,651
NUC: Nanotechnology LINK: An Integrated Approach for Nanotechnology Education: End-of-Life Management of Nanomaterial-containing Wastes	47.RD	EEC-1343756	-	36,409
Collaborative Research: PGE and Pb Systematics in Altered Abyssal Peridotites: Integrating Experiments with Natural Samples	47.RD	EAR-1347890	-	90,840
Regulation of Floral Growth and Patterning in Arabidopsis	47.RD	IOS-1354452	20,468	91,338
EPRI: On-demand Sweating-Boosted Air Cooled Heat-Pipe Condensers for Green Power Plants	47.RD	CBET-1357920	-	204,225
REU Site: Cradle to the Grave - CO2 Opportunities and Challenges	47.RD	EEC-1358931	-	118,375
Software for Emergency Preparedness for Dam or Levee Failure	47.RD	IIP-1400850	-	6,778
EAGER: Place Attachment and Collective Action: The Changing Landscape of Urban Neighborhoods	47.RD	SES-1402515	-	(36)
EAGER: Place Attachment and Collective Action: The Changing Landscape of Urban Neighborhoods	47.RD	SES-1402515	-	52,876
Localized Synthesis of Ribosome Components	47.RD	MCB-1418725	-	23,962
SHF: Small: Collaborative Research: The Sutomata Programming Paradigm for Genomic Analysis	47.RD	CCF-1421059	-	78,760
PFI-AIR- TT: Biomimetic Composite for Segmental Bone Regeneration	47.RD	1500242	-	196,798
Collaborative Research: I/UCRC Phase I: Center for Rational Catalyst Synthesis	47.RD	1464630	-	128,735
Collaborative Research: Processing and Assembly of Devices with Tailored Magnetic Properties	47.RD	CMMI-1436560	-	107,279
Collaborative Research : I/UCRC on Grid-Connected Advanced Power Electronics Systems (GRAPES), Phase II	47.RD	IIP-1439689	-	48,536
Evaluation of the Role of Size Disparity on Nanoparticle Uptake and Ecotoxicity	47.RD	CBET-1437307	-	104,767
Cancer Stem Cell Mechanotransduction in Engineered Matrix	47.RD	CBET-1403545	-	14,406
Collaborative Research: Advanced Zeolite-Composite Adsorbents with Fine-Tuned Pore Sizes for Molecular Sieving Separations	47.RD	CBET-1402772	-	74,572
Collaborative Proposal: Impacts of Energy Extraction and Coal-Fired Power Plants on Disinfection by-Product Formation in Water	47.RD	1438625	3,812	85,782
NSF Graduate Research Fellowship: Benjamin Davis	47.RD	1450810	-	30,463
Career: A Few Layer Thin, Graphene-Based Membranes: Nanostructure Understanding, Permeation Mechanism and Separation Application	47.RD	1451887	-	74,014
Electrochemical Capture of CO2 and Instant Conversion into Syngas: A Combined Mechanistic and Engineering Approach	47.RD	CBET-1401280	-	62,227
Phase-field Models, Algorithms and Simulations for Multiphase Complex Fluids	47.RD	DMS-1418898	-	34,451
Collaborative Research: A Molecular-to-Continuum, Data-Driven Strategy for Mucus Transport Modeling	47.RD	1410047	-	42,327
Banach Spaces and Applications	47.RD	1361461	-	47,164
A New Treatment to Dimension Reduction via Semiparametrics	47.RD	DMS-1463094	-	225,682
Multidimensional Methods for Kinetics in Complex Materials	47.RD	CHE-1403027	-	151,433
MRI:Acquisition of a Small-angle X-ray Scattering Instrument	47.RD	DMR-1428620	-	244,332
Bioavailability of Arctic Soil Carbon: Examining the Relationship Between Chemical Composition and Lability During the Holocene	47.RD	PLR-1417711	-	204,931
Collaborative Research: Isotopic Insights to Mercury in Marine Food Webs and How it Varies with Ocean Biochemistry	47.RD	OCE-1433313	-	170,993
Collaborative Research: GEOTRACES Arctic Section: Radium and Thorium Isotopes as Natural Geochemical Tracers in the Arctic Ocean	47.RD	1458424	-	1,869
Collaborative Research: US GEOTRACES Arctic section; Nd and REE cycling in the Arctic Ocean	47.RD	1458936	-	21,856
Collaborative Research: Climate Change and Upwelling -- Comparative Analysis of Current & Future Responses of the California and Benguela Ecosystems	47.RD	OCE-1434530	-	61,623

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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>National Science Foundation, continued</b>				
NeTS: Small: Collaborative: Infrastructure Mobility	47.RD	CNS-1421697	-	40,804
CSBR: Living Stocks - A Stock Center for Peromyscus	47.RD	DBI-1349230	-	159,386
Status, Faction Sizes and Social Influence: Testing Two Competing Mechanisms	47.RD	SES-1419744	-	21,045
Collaborative Research: Skeletal Muscle Constraint on Relative Brain Size	47.RD	BCS-1440599	-	3,156
Studies of the Activation and Functionalization of Hydrocarbons at Multinuclear Metal Sites in Transition Metal-Gold Complexes	47.RD	1464596	-	132,335
UNS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability	47.RD	1508931	4,517	103,150
Collaborative Research: A Contact Lens-Based Glucose Nanosensor Using Affinity Polymer-Functionalized Graphene	47.RD	1509076	-	64,725
Collaborative Research: Study of Amyloid Protein Oligomerization using Microchannel Electrophoresis	47.RD	1511562	-	39,074
Collaborative Research: Fate and Control of Naturally Occurring Radioactive Material (NORM) Produced by Unconventional Gas Industry	47.RD	1509086	-	7,651
Collaborative Research: Affordable and Energy Efficient Engineered Earth Masonry for Seismic Resistant Low-Rise Buildings	47.RD	1537776	-	37,206
High Surface Free Energy Anchoring of Bimetallic Core Shell Particles	47.RD	1511615	-	42,088
UNS: Selective Catalytic Conversion of Syngas-Derived Dimethyl Oxalate to Ethylene Glycol: Mechanistic Insights from In-Situ Surface Vibrational Spectroscopy	47.RD	1510157	-	65,710
Building Tomorrow's Leaders: Bridging Workforce Development in ERCs to meet demand for a skilled workforce	47.RD	1555449	-	59,354
DMREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry	47.RD	1534260	-	19,618
DMREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry	47.RD	1534260	-	49,167
UNS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners	47.RD	1510869	-	13,312
Interaction of Nitrogen and Sulfur Species with Oxygen Carriers in Chemical Looping with Oxygen Uncoupling	47.RD	1606874	-	4,053
EAGER: Modulation of the Inflammatory Response for Accelerated Tissue Vascularization and Bone Regeneration	47.RD	1631439	-	11,739
Stability, Derived Categories, and Mirror Symmetry	47.RD	1501813	-	29,672
Fast and Stable Compact Exponential Time Difference Based Methods for Some Parabolic Equations	47.RD	1521965	-	47,566
Collaborative Research: Reduced Order Modeling of Realistic Noisy Flows	47.RD	1522672	-	53,916
Collaborative Research: On the Origin of Atomic Layer Deposition Enhanced Activity and Stability of Nanostructured Cathodes for Intermediate-temperature Solid Oxide Fuel Cells	47.RD	1464112	-	60,852
The Study of Nuclear Physics with Intermediate Energy Probes	47.RD	1505615	-	327,716
Collaborative Research: Kinetic to Continuum Modeling of Active Anisotropic Fluids	47.RD	1517347	-	2,026
Collaborative Research: Algebra and Algorithms, Structure and Complexity Theory	47.RD	1500216	-	18,544
Collaborative Research: Equipment for and Running of the PSI MUSE Experiment	47.RD	1506000	-	1,945
CAREER: Well-Defined Hybrid Materials as a Versatile Tool to Study Energy Transfer Processes	47.RD	1553634	-	2,185
CAREER: Mechanism of Cytochrome P450 Alkene Biosynthesis	47.RD	1555066	-	39,372
Constructive Approximation and Harmonic Analysis	47.RD	1613790	-	2,891
Neutrino-less Double-Beta Decay with CUORE and the MAJORANA DEMONSTRATOR	47.RD	1614611	-	3,500
Equilibrium Thermodynamics of Semiconductor Nanocrystal Ligand and Ion Exchange via Calorimetry	47.RD	1613388	-	708
Collaborative Research: Geochemistry of IODP Site 1438 and West Philippine Basin Volcanic Rocks: Constraints on Subduction Initiation and the Early Development of the Izu-Bonin-Mariana (IBM) Arc	47.RD	1537135	-	84,461
Collaborative Research: Generation of Internal Waves Due to the Scattering of Semidiurnal Hybrid Kelvin-edge Waves at Varying Continental Shelf Topography	47.RD	1537449	-	38,997
Collaborative Research: Investigating the Lost City as an Ultramafic Urban Center of the Seafloor, Fueled by Energy and Carbon from the Mantle	47.RD	1536702	-	33,855
RAPID - Plume Dynamics under Increased Sediment Discharge following Floods	47.RD	1603957	-	30,734
NSF Rapid - Floodplain Geomorphology and Circulation	47.RD	1604063	-	21,767
Collaborative Research: Effects of Changing Temperature on the Gulf of Alaska Ecosystem	47.RD	1558787	-	8,242
Collaborative Research: Building an International Component in the Aleutian-Alaska Primary Site through US Participation in Research Cruises of the German R/V Sonne	47.RD	1551640	-	52,135
A New Method for Assessing the Magnitude and Impact of Shallow Seawater/Pore Water Exchange in Salt Marsh Systems	47.RD	1559274	-	28,421
II-New: Acquisition of a Heterogeneous Team of Field Robots for Coastal Environments	47.RD	1513203	-	218,164
RI:Small:Collaborative Research: Why is automating the design of robot controllers hard, and what can be done about it?	47.RD	1526862	-	40
NRI: Collaborative Research: ASPIRE: Automation Supporting Prolonged Independent Residence for Elderly	47.RD	1525900	-	12,157
II-New: SC-CAN: South Carolina's Wireless Communication and Airborne Networking Collaboratory	47.RD	1513107	-	198,607
Wikithoria.com: A Knowledge Aggregator for the Social Sciences	47.RD	1551458	-	49,157
FSML: High-Resolution Acoustic Imaging Sonar for Research and Education at the Baruch Marine Field Laboratory	47.RD	1522490	-	111,994
Integrating Cellular Iron Compartmentalization Mechanisms	47.RD	1456881	-	23,167
EAGER: Salicylic Acid Signaling in Plant Pathogen Interactions	47.RD	1464527	-	192,416
Collaborative Research: Evolutionary Origins of Chiton Shell-eyes: Integrating Structure, Function, and Gene Expression within a Phylogenetic Context	47.RD	1457148	-	114,992
DIMENSIONS: Links Between Spectral Irradiance and Cryptophyte Biodiversity in Environments from Ponds to Oceans	47.RD	1542555	-	144,325
DIMENSIONS: Links Between Spectral Irradiance and Cryptophyte Biodiversity in Environments from Ponds to Oceans	47.RD	1542555	-	33,508
Mutational Variance of the Transcriptome and the Origins of Phenotypic Plasticity	47.RD	1556645	-	15,169
Examining the Role of the Lissencephaly Protein, Lis1, in Dynein-based Transport	47.RD	RNS056314C	-	154,693
Examining the Role of the Lissencephaly Protein, Lis1, in Dynein-based Transport	47.RD	RNS056314C	-	131,856

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**Schedule of Expenditures of Federal Awards**  
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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>National Science Foundation, continued</b>				
Scholar Award: The Value of SEIN Research	47.RD	1535060	-	190,775
Doctoral Dissertation Research: Paleodemographic Analysis of Urbanization, Famine and Mortality	47.RD	1540208	-	5,794
NSF Graduate Research Fellowship: Benjamin Davis	47.RD	450810	-	45,812
MATH: EAGER: Collaborative Research: Implementing a Peer-Mentorship Model for Mathematics Graduate Student Instructors	47.RD	1544346	-	4,307
SciLAF: Scientific-based Learning Assessment Framework for Student Knowledge Tracking	47.RD	1504728	-	102,416
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	14-054	-	13,633
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	14-057	-	9,821
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	15-007	-	1,612
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	15-014	-	(149)
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	13-023/14-017/14-037	-	100,587
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	13-024/14-018/14-038	-	36,219
<b>Passed through programs from:</b>				
<b>Clemson University</b>				
Subcontract for Clemson NSF Proposal: Novel Graphene-based Label-free Biosensor Arrays for Smart Health and Drug Discovery	47.RD	1860-206-2011320	-	2,779
Digitization TCN: Collaborative Research: The Key to the Cabinets: Building and sustaining a research database for a global biodiversity hotspot	47.RD	1774-206-2010242	-	6,520
<b>Consortium for Ocean Leadership</b>				
Continental Crust Formation at Intra-Oceanic Arc: Arc Foundations, Inception and Early Evolution	47.RD	T351A65	-	7,696
<b>Marine Biological Laboratory (MBL)</b>				
Sea-level rise and coastal sustainability: A cross-site comparison of non-linearity in salt marsh persistence and feasible social adaptations	47.RD	49616	-	6,408
<b>South Carolina State University</b>				
SCAMP Phase III: Enhancing Opportunities to Transition Students into Successful STEM Pathways	47.RD	15581051 - SCAMP	-	54,500
SCAMP Phase III: Enhancing Opportunities to Transition Students into Successful STEM Pathways	47.RD	15(2)-581051-SCAMP	-	58,777
<b>South Carolina Research Foundation</b>				
CUORE: Phase 1 Construction and Crystal Bolometer Research and Development	47.RD	PHY-0605119	636	58,781
PIRE: Modeling of Flood Hazards and Geomorphic Impacts of Levee Breach and Dam Failure	47.RD	OISE-0730246	-	369,376
CAREER: Design Automation for High-Performance Reconfigurable Computing	47.RD	CCF-0844951	-	10,272
CAREER: Design Automation for High-Performance Reconfigurable Computing	47.RD	CCF-0844951	-	14,672
CAREER: THAWS-Towards Highly Available Wireless Services (REU Supplement)	47.RD	CNS-0845671	-	38
CAREER: Integrated Modeling for Watershed Management	47.RD	CBET-0846244	7,966	7,966
CAREER: InN Nanowire Based Multifunctional Nano cantilever Sensors	47.RD	ECCS-0846898	-	90
CAREER: Spin-Polarized Currents in Nanostructures	47.RD	DMR-0847159	-	51,488
Collaborative Renewal Proposal: NSF Center for Friction Stir Processing I/UCRC	47.RD	0934319	-	(46)
CAREER: Algorithms for Minimalist Robot Teams	47.RD	IIS-0953503	-	81,949
Ligand Design for Molecular and Supramolecular Control of the Structures of Metal Complexes:				
Investigations of Unusual Magnetic Properties	47.RD	CHE-1011736	-	80
RI: Small: 3D Nonrigid Object Reconstruction from Large-Scale Unorganized 2D Images	47.RD	IIS-1017199	-	20,230
RI: Small: 3D Nonrigid Object Reconstruction from Large-Scale Unorganized 2D Images	47.RD	IIS-1017199	-	3,599
Characterization of a Novel Nickel Metalloregulatory Protein, Yqjl	47.RD	MCB-1022288	-	529
LTREB: Long Term Studies of Salt Marsh Primary Production	47.RD	DEB-1052636	-	42,483
CAREER: Hydrothermal Carbonization of Mixed Feedstocks: Implications for Sustainable Waste Management	47.RD	CBET-1055327	-	119,934
CAREER: Approximate Description of Nuclear Quantum Effects Applicable to Large Molecular Systems	47.RD	CHE-1056188	-	87,433
Rapid: Field Data on Levee Breaches	47.RD	CMMI-1068116	-	1,301
Theoretical Studies of Hadronic and Nuclear Dynamics	47.RD	PHY-1068305	-	18,249
Modeling of Flow and Morphodynamics of Sinuous Submarine Channels	47.RD	OCE-1061244	-	33,632
Integrated Multi-physicochemical Processes Induced Stresses to Study Structural Reliability for Solid Oxide Fuel Cells:				
Modeling and Experiments	47.RD	CMMI-1100085	-	(17,911)
Banach Spaces with Applications to Compressed Sensing and Greedy Convergence	47.RD	DMS-1101490	-	4,274
US Egypt Cooperative Research: Luminescent Molecularly Imprinted Polymer Sensor Arrays	47.RD	OISE-1103904	-	2,214
Collaborative Research: Spectral Diagnostics of Heavy Elements at High Redshift	47.RD	AST-1108830	-	49,134
Synthesis of Polynuclear Transition Metal - Heavy Main Group Metal Carbonyl Complexes for Use as Next-Generation				
Multimetallic Heterogeneous Nono-Catalysts	47.RD	CHE-1111496	-	10,083
Collaborative Research: Maplets for Calculus (M4C)	47.RD	DUE-1123170	-	33,313
CDI-TYPE 1: Intertidal Sensor Networks for Climate Change Studies in Intertidal Ecosystems	47.RD	GEO-1124657	-	20,898
Collaborative Research: Impact of Salt Water Intrusion on C Storage in Tidal Freshwater Wetlands: Assessing the Amount,				
Linking Variation in Metabolic Processes as a Key to Prediction (ROA: Parasite Impact on Crab Behavior and Energetics)	47.RD	OCE-1129166	-	129,246
Climate Change and Biogeography: Effects of Extreme Events	47.RD	OCE-1129401	-	219,067
Programmable Polymers based on Restricted Rotation	47.RD	CHE-1112431	-	115,331
Collaborative Research: Pattern Transfer Nano manufacturing with Magnetically-Recorded Nanotemplates	47.RD	CMMI-1130636	-	8,931
DRRC: Baseline Indicators for Monitoring Disaster Resilience in Rural Places	47.RD	SES-1132755	-	6,930
Career: Linking Microbial Phylogenetic and Functional Gene Diversity to Microbial Mat Ecosystem Function Following				
Environmental Disturbance	47.RD	DEB-1149447	-	85,369
CAREER: Towards Multimodal and Multialgorithm Facial Activity Understanding by Audiovisual Information Fusion	47.RD	IIS-1149787	-	97,384
CAREER: African American Father Engagement and Early Adolescents' Academic and Social Adjustment	47.RD	BCS-1150963	-	68,273
Gaze Control during Scene Viewing: Behavioral and Computational Approaches	47.RD	BCS-1151358	-	32,180

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>National Science Foundation, continued</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation, continued</b>				
Cationic Cobaltocenium Polyelectrolyte Polymers: Synthesis, Self-Assembly and Utilities	47.RD	CHE-1151479	-	1,699
Rational Design of Selective Hydrodeoxygenation Catalysts for Organic Acids	47.RD	CHE-1153012	-	18,318
REU Site: marine Biogeochemistry at the University of South Carolina	47.RD	CHE-1156831	-	94,788
Regulation of Genetic Recombination in Mammals	47.RD	MCB-1157416	-	180,968
Collaborative Research: Rational Design of Bifunctional Catalysts for the Conversion of Levulinic Acid to Gamma-Valerolactone	47.RD	CBET-1159863	-	155,063
GOALI: A Scientific Synthesis of Bimetallic Catalysts	47.RD	CBET-1160036	-	86,342
III: Medium: Collaborative Research: Developing a 3D Browser to Explore Genomes	47.RD	IIS-1161586	-	119,954
Homological and Positive Characteristics Questions in Commutative Algebra	47.RD	DMS-1200085	-	26,755
Biomechanics of Arterial Tissue Failure at Multiple Length Scales	47.RD	CMMI-1200358	-	65,934
Collaborative Research: Experimentally Guided Mathematics for the Mechanochemistry of Cell Sharp Dynamics	47.RD	DMS-1200487	-	187,112
Zeta Functions and the Distribution of Field Discriminants	47.RD	DMS-1201330	-	8,380
Efficient Unconventional Computing with Adaptable Memory Circuit Elements	47.RD	ECCS-1202383	-	51,743
The Study of Nuclear Physics with Intermediate Energy Probes	47.RD	PHY-1205782	69,321	253,978
Natural Resin Acid-Containing Antimicrobial Materials: Synthesis and Mechanism	47.RD	DMR-1206072	4,389	15,681
Natural Resin Acid-Containing Antimicrobial Materials: Synthesis and Mechanism	47.RD	DMR-1206072	-	1,170
Materials World Network: Ceramic Anode-Supported Solid Oxide Fuel Cells with High Performance and Tolerances towards Carbon Deposition and Sulfur Poisoning	47.RD	DMR-1210792	-	140,932
Representation and Approximation of Functions in Nonclassical and Anisotropic Settings with Applications	47.RD	DMS-1211528	-	36,184
Development of Correlation Operator Approach to Model Electron Correlation	47.RD	CHE-1213604	-	48,240
Numerical Improvements, Mesh Adaptation and Parameter Identification for Parallel Finite Element Stokes Ice Sheet Modeling	47.RD	DMS-1215659	-	9,196
Material Transformation and Community Creation at the Etowah Site, Georgia	47.RD	1216571	-	5,971
Development and Analysis of Fast Numerical Methods for Fractional Diffusion and Advection-Diffusion Equations	47.RD	DMS-1216923	-	84,638
ATD Collaborative Research: Theory and Algorithms for High Dimensional Learning	47.RD	DMS-1222390	-	65,765
Deltaic Resilience and the Genesis of Mesopotamian Cities (Iraq)	47.RD	BGS-1227784	-	14,890
Collaborative Research: US GEOTRACES Pacific Zonal Transect: Rates of Supply, Removal and Internal Cycling of Trace Elements and Isotopes	47.RD	1231211	-	37,230
The Microglial Carbon Pump and Bacterial Carbon Sequestration in the Ocean	47.RD	OCE-1233373	-	94,079
GEOTRACES Pacific Section: Dissolved Fe, Cd, and Zn Isotopes	47.RD	OCE-1235150	-	4,011
Pollutant Formation During Ox-Combustion of Coal	47.RD	CBET-1236761	-	13,171
SHB: Type II (INT): Collaborative Research: Creating Learning Systems with Mobile Technology to Improve Coordination in Perioperative Services	47.RD	IIS-1237080	-	53,125
SHB: Type II (INT): Collaborative Research: Creating Learning Systems with Mobile Technology to Improve Coordination in Perioperative Services	47.RD	IIS-1237080	-	62,311
Novel Beam Steering Apertures and Waveforms for High Capacity Broadband Wireless Nodes	47.RD	ECCS-1247503	46,573	7,359
Novel Beam Steering Apertures and Waveforms for High Capacity Broadband Wireless Nodes	47.RD	ECCS-1247503	-	98,791
Career: Renewable Polymers and Composites Derived from Hydrocarbon-Rich Natural Resin	47.RD	DMR-1252611	-	159,787
CAREER: Smart RF/Microwave Components Using Nano-Film Slow Wave Elements	47.RD	ECCS-1253929	-	91,347
Collaborative Research: The Cariaco Basin Oceanographic Time Series	47.RD	OCE-1258991	-	235,680
The PIE-LTER: Interactions Between External Drivers, Humans and Ecosystems in Shaping Ecological Process in a Mosaic of Coastal Landscapes and Estuarine Seascales	47.RD	45246	-	100,638
Collaborative Research: Resilient and Sustainable Engineered Fiber-Reinforced Earthen Masonry for Windstorm Regions	47.RD	CMMI-1131161	-	298
Collaborative Research: Resilient and Sustainable Engineered Fiber-Reinforced Earthen Masonry for Windstorm Regions	47.RD	CMMI-1131161	-	(12)
MRI: Development of a Multifunctional Far-Field Nanoscopic System for Multidisciplinary Research	47.RD	CBET-1040227	-	1,955
CAREER: Studying Flow Velocity Field in Nanofluidics with a Far-Field Nanoscopic Velocimetry	47.RD	CBET-0954977	-	78,644
<b>Tennessee Technology University</b>				
Subcontract for NSF proposal: Collaborative Research: Edge Surface Topography Characterization for Precision Sensing Technology (#1463502)	47.RD	5-31261	-	16,421
<b>The Trustees of Columbia Univ. in NYC</b>				
Participation of Susan Lang on Expedition 357 (offshore)	47.RD	23(GG009393)	-	25,127
<b>University of Akron</b>				
Supplemental Funding: Formation Mechanisms of Iodinated Disinfection By-Products from X-Ray Contrast Media	47.RD	0592-USC	-	16,124
<b>University of Georgia</b>				
Subaward: A Genetic Resource for Gene Discovery in Soybean	47.RD	RC371-229/S000765	-	82,612
REU Site: Radioecology Research Experiences for Undergraduates	47.RD	RR267-323/S000726	-	22,344
A Resource for Functional Genomics to Support Soybean Genetics and Breeding	47.RD	RC371-288/S000906	-	39,094
<b>University of Kansas Center for Research</b>				
RII Track-2 FEC: Catalysis for Renewables: Applications, Fundamentals and Technologies (CRAFT)	47.RD	FY2016-032	-	481,829
<b>University of Southern California</b>				
Bioenergetic Influences Upon carbon Flow in Alkaliphilic Sulfate-Reducing Microbial Populations with Relevance to the Subsurface Biosphere at the Lost City Hydrothermal Field	47.RD	PO 10306795	40,537	120,091
<b>University of Washington</b>				
Transfer of Funds on NSF Grant from Univ. of Washington to USC	47.RD	756840	-	31,146
<b>Zillioninfo</b>				
Computing-Assisted Zoning Optimization and Service	47.RD	ZILLIONINFO/NSF	-	11,391
<b>Total National Science Foundation</b>			<b>201,335</b>	<b>15,528,253</b>

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<b>Securities &amp; Exchange Commission</b>				
Employee Assignment Agreement between Dr. Tanakorn Makaew of the Darla Moore School of Business and the US Securities and Exchange Commission	58.RD	US SECURITIES	-	94,217
<b>Total Securities &amp; Exchange Commission</b>			-	<b>94,217</b>
<b>U.S. Department of Veterans Affairs</b>				
VA/IPA: Ashley Logan	64.RD	544-D65001	-	11,641
VA/IPA - Kia Zellars	64.RD	544-D65001	-	21,840
VA/IPA - Heather Doviak	64.RD	544-D65001	-	33,151
VA/IPA - Karen Moreau	64.RD	544-D65001	-	9,926
VA/IPA - Paige Perreault	64.RD	544-D65001	-	5,655
VA Merit Award - Mitzi Nagarkatti IPA for Yin Zhong	64.RD	544-D65002	-	9,576
Decreased CNS Leptin Activity in Comorbid Obesity and Depression.	64.RD	544-D65004	-	17,787
IPA for Jennifer Nyland	64.RD	544-D65004	-	25,546
IPA for Jennifer Woodruff	64.RD	544-D65004	-	47,256
IPA for Jim Fadel	64.RD	544-D65004	-	33,594
IPA for Calliandra Lombard	64.RD	544-D65004	-	13,140
IPA for Dr. Susan Wood	64.RD	544-D65004	-	17,585
IPA for Dr. Claudia Grillo	64.RD	544-D65005	-	89,099
IPA for Dr. Marlene Wilson	64.RD	544-D65005	-	17,007
Modeling Individual Differences in PTSD (Jennifer Nyland)	64.RD	544-D65006	-	5,088
Modeling Individual Differences in PTSD	64.RD	544-D65007	-	57,629
Modeling Individual Differences in PTSD	64.RD	544-D65007	-	13,449
Modeling Individual Differences in PTSD (Kris Ford Kaigler)	64.RD	544-D65007	-	27,759
Modeling Individual Differences in PTSD (Larry Reagan)	64.RD	544-D65007	-	7,423
Modeling Individual Differences in PTSD (Britt Wilson)	64.RD	544-D65007	-	12,829
IPA from the VA for Dr. Chris Wood	64.RD	544D65010	-	5,594
VA Contract VA268-16-C-0004 Swine Housing	64.RD	544-D67003	-	2,057
VA Contract - Reagan - VA247-15-C-0308	64.RD	VA247-15-C-0308	-	7,534
VA Contract - Reagan - VA247-16-C-0006	64.RD	VA247-16-C-0006	-	26,859
<b>Total U.S. Department of Veterans Affairs</b>			-	<b>519,024</b>
<b>Environmental Protection Agency</b>				
<b>Passed through programs from:</b>				
<b>Gills Creek Watershed Association</b>				
Exposure to Mercury through Subsistence Fishing: Assessment and Community Outreach in Lower Gills Creek, SC	66.RD	00D35515	-	1,270
<b>South Carolina Research Foundation</b>				
Targeting High-Content Imaging Assessments of Aberrant G-Protein-Coupled Estrogen Receptor (GPER) Activation During Vertebrate Embryogenesis	66.RD	83516901	-	(76)
<b>Total Environmental Protection Agency</b>			-	<b>1,194</b>
<b>U.S. Nuclear Regulatory Commission</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
University of South Carolina Next Generation Nuclear Engineer Fellowship Program	77.RD	NRC-38-10-956	-	(174)
<b>U.S. Regulatory Commission</b>				
University of South Carolina Excellence in Nuclear Engineering Fellowship Program	77.RD	NRC-HQ-84-15-G-0022	-	8,646
<b>Total U.S. Nuclear Regulatory Commission</b>			-	<b>8,472</b>
<b>U.S. Department of Energy</b>				
Transport Behavior of Superconductors at High Dissipative Currents	81.RD	DE-FG02-99ER-45763	-	110,613
South Carolina Institute of Archaeology and Anthropology Cooperative Agreement DE-EM0002875 Savannah River Archaeological Research Program	81.RD	DE-EM0002875	-	718,251
U3Si2 Fabrication and Testing for Implementation into the BISON Fuel Performance Code	81.RD	DE-NE-0000725	-	146,718
Structural Health Monitoring of Nuclear Spent Fuel Storage Facilities	81.RD	DE-NE0000726	-	313,139
Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task)	81.RD	DE-SC0010073	-	320,444
Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task)	81.RD	DE-SC0010073	-	108,602
Hadronic Parity Violation in Few-nucleon Systems	81.RD	DE-SC0010300	-	157,009
Research in Neutrinoless Double-Beta Decay	81.RD	DESC0012612	-	124,167
University-Industry Partnership to Develop Reliable, Robust, and Active SOFC Cells and Stacks	81.RD	DE-FE0023475	-	98,657
Intermediate Temperature Nano-Structured Ceramic Hollow Fiber Membranes for Oxygen Separation	81.RD	DE-FE0024059	-	156,052

The accompanying notes are an integral part of this schedule.

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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>U.S. Department of Energy, continued</b>				
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	458,152	990,510
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	-	49,349
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	-	90,609
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	-	82,043
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	-	268,598
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	616,776	951,339
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	-	41,006
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	-	97,357
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	-	79,798
<b>Passed through programs from:</b>				
<b>Battelle Memorial Institute</b>				
Testing and Evaluation on Custom Electronics Boards for the Belle II Experiment (Response to PNNL PR-275843)	81.RD	238236	-	5,536
<b>Clemson University</b>				
Radionuclide Waste Disposal: Development of Multi-Scale Experimental and Modeling Capabilities	81.RD	1750-219-2020199	-	151,204
Radionuclide Waste Disposal: Development of Multi-Scale Experimental and Modeling Capabilities	81.RD	1750-219-2020199	-	238,088
A New Paradigm for Understanding Multi-phase Ceramic Waste Form Performance	81.RD	1739-219-2010311	-	55,473
<b>Colorado School of Mines</b>				
Innovative Approach to SCC Inspection and Evaluation of Canister in Dry Storage	81.RD	401012-5802	-	24,600
<b>PneumatCoat Technology</b>				
Nanocoated Cathode Powders for High Performance Solid Oxide Fuel Cells	81.RD	DEDC0013304-USC	-	45,000
<b>Sonata, LLC</b>				
Novel Surface-Functionalized Powders for Solid Oxide Fuel Cells	81.RD	DOE-SC0013116	-	4,875
<b>South Carolina Research Foundation</b>				
High Hydrogen content Epitaxial Graphene Hydride on SiC & High Cross-Section Cladding Coatings for Fast Neutron Detection	81.RD	00126542	-	39,390
Enriched Boron-Doped Amorphous Selenium Based Position-Sensitive Solid- State Thermal Neutron Detector for MPACT Applications	81.RD	120563	-	131,601
Accurate Holdup Calculations with Predictive Modeling & Data Integration	81.RD	2012-1588-02	-	65,638
DIRC - based PIC for the EIC Central Detector	81.RD	218624	-	8,635
Development of Ultra Low Platinum Alloy Cathode Catalyst for PEM Fuel Cells	81.RD	DE-EE0000460	203,802	366,375
An Experimental and Modeling Study of NOx-CO Formation in High Hydrogen Content (HHC) Fuel Combustion in Gas Turbine Applications	81.RD	DE-FE0012005	49,612	147,738
Developing Accelerated Test Protocols and Tuning Microstructures of the Common Materials to Improve Robustness, Reliability, and Endurance of SOFC Cells	81.RD	DE-FE0026097	-	39,425
Predicting Ice Sheet and Climate Evolution at Extreme Scales (PISCEES)	81.RD	DE-SC0008087	-	47,368
Theoretical Investigation of Heterogeneous Catalysis at the Solid Interface for the Conversion of Lignocellulosic Biomass Model Molecules	81.RD	DE-SC0007167	-	72,252
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems Administrative Core (Parent Account)	81.RD	DE-SC0001061	59,851	59,851
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems Administrative Core (Parent Account)	81.RD	DE-SC0001061	-	1,505
Fundamental Neutron Physics: Theory and Analysis	81.RD	DE-SC0001473	-	60,712
Directed Synthesis of New Uranium Containing Materials: The Use of Functional Building Blocks as Synthetic Tools Coupled with Targeted Crystal Growth Methods to Create New Complex U(VI), U(IV) and U(III) Containing Materials	81.RD	DE-SC0008664	-	6,634
Directed Synthesis of New Uranium Containing Materials: The Use of Functional Building Blocks as Synthetic Tools Coupled with Targeted Crystal Growth Methods to Create New Complex U(VI), U(IV) and U(III) Containing Materials	81.RD	RMG086619B	-	97,163
FNAL-USC-LBNE-Lar-Aug 14-v4	81.RD	619430	-	27,897
FNAL-USC-LBNE-ND-Aug14-vd	81.RD	619459	-	54,886
<b>South Carolina Universities Research and Education Foundation</b>				
Ceramic Membrane Characterization	81.RD	B139006	-	27,026
USCA R&D SERS for Microparticles	81.RD	B139018	-	9,008
Acoustic Emission Sensor Systems ISD Sensor Network Demonstration	81.RD	0000157239	-	6,394
Polymers for Pu Anion Exchange Microchannel Array	81.RD	B139014	-	43,182
Robust and Corrosion Resistant Coatings and Numerical Solutions for Solar Thermal Systems	81.RD	000165489	-	3,711
Robust and Corrosion Resistant Coatings and Numerical Solutions for Solar Thermal Systems	81.RD	000165489	-	(5)
Infrared Spectroscopic Study of Glycolic Acid in Aqueous Solutions Relevant to Nuclear Waste Treatment	81.RD	B139016	-	(3,282)
Development of A Graduate Course on Nuclear Safeguards	81.RD	B139008	-	11,926
R&D SERS for Microparticles	81.RD	B139027	-	6,829
Management of Nuclear Nonproliferation International Safeguards Graduate Fellowship Program	81.RD	B139029	-	37,096
Nuclear Forensics Junior Faculty Award Program	81.RD	NF13004	427,468	459,798
Rickover Fellowship Program in Nuclear Engineering	81.RD	NRLF003	-	101,057

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<b>U.S. Department of Energy, continued</b>				
<b>Passed through programs from:</b>				
<b>Southern States Energy Board</b>				
Southeast Offshore Storage Resource Assessment (SOSRA)	81.RD	DE-FE0026086	-	63,307
Southeast Offshore Storage Resource Assessment (SOSRA)	81.RD	SOSRA-981-USC-2015-001rev	-	16,086
<b>The Pennsylvania State University</b>				
Multisensory Robotic System for Used Nuclear Fuel Dry Storage Casks	81.RD	5107-USC-USDOE-8266	-	177,240
<b>University of Pennsylvania</b>				
Cost-effective Manufacturing and Morphological Stabilization of Nanostructured Cathodes for Commercial SOFCs	81.RD	565289	-	225,174
<b>GAS Technology Institute</b>				
Producing > 95% Purity O2 from Air Using Single-stage Membrane Contractor with Oxygen Carry Based Solution	81.RD	S520	-	117,436
Energy Efficient Membrane-based Hybrid Hybrid Process for Post-combustion CO2 Capture	81.RD	S581/GTIProject#21881	-	124,621
<b>Gen4 Energy, Inc</b>				
USC-G4M LBE Natural Circulation Experimental Facility	81.RD	DE-FOA-0000818	-	(849)
<b>General Atomics</b>				
Mechanical Characterization and Modeling of Complex SiC Based Composite Structure	81.RD	4500055900	-	276,650
Characterization of SiC Cladding	81.RD	4500058589	-	191,098
<b>Jefferson Science Associates, LLC</b>				
Nucleon Resonances: From Photoproduction to High Photon Virtualities	81.RD	JSA/DOE	-	5,000
Nucleon Resonances: From Photoproduction to High Photon Virtualities	81.RD	13070FB41	-	5,000
<b>University of California, Berkeley</b>				
Developing Ultra-small Scale Mechanical Testing Methods and Microstructural investigation Procedures for Irradiated Materials, FC-2.1: Characterization and Instrumentation	81.RD	00008385	-	125,208
<b>University of Central Florida</b>				
GEARED - FEEDER: Foundations for Engineering Education for Distributed Energy Resources	81.RD	DE-EE0006340	-	96,397
<b>University of Michigan</b>				
High Fidelity Ion Beam Simulation of High Dose Neutron Irradiation	81.RD	3002964978	-	87,321
<b>University of Mississippi</b>				
Multimodal Nondestructive Dry Cask Basket Structure and Spent Fuel Evaluation	81.RD	16-10-022	-	102,157
<b>University of Wisconsin - Madison</b>				
Market-Based and System-Wide Fuel Cycle Optimization	81.RD	665K092	-	68,979
<b>Sandia National Laboratories</b>				
The Dynamic Deformation Behavior of Rigid Polymer Foams at Extreme Loading Conditions	81.RD	1551597	-	14,513
<b>UT-Battelle, LLC</b>				
Joint Faculty Appointment of Dr. Schindler (2012)	81.RD	4000104656	-	2,164
Thermodynamic Modeling and Compatibility of Ceramic Fuels with Enhanced Accident Tolerance	81.RD	4000137337	-	68,608
Database Development and Modeling of Fuel-Fission Products in High Burnup Systems	81.RD	4000137480	-	61,148
Joint Program in the Evaluation and Characterization of Three-Way Catalysts (TWC) for Passive SCR (Selective Catalytic Reduction)	81.RD	4000137938	-	19,355
<b>Los Alamos National Laboratory</b>				
Facility Modeling for Separations and Safeguards	81.RD	270137	-	583,024
Using First-Principles Calculations to Assess the U-Si System	81.RD	368524	-	21,906
<b>Savannah River Laboratory</b>				
Electrochemical Systems and Materials Durability TOPR No. 1: G-SOW-A-01487	81.RD	PO:0000223688	34,987	141,907
Demonstration of the Performance of a 2-liter Adsorbent Hydrogen Storage System using a Prototype Test System	81.RD	PO# 0000223689	100,000	106,500
Explore Innovative Chemistry of Natural Gas Conversion to DME (Dimethyl Ether)	81.RD	CEB00007 - PO 0000252114	-	27,785
Explore Innovative Chemistry of Natural Gas Conversion to DME (Dimethyl Ether)	81.RD	CEB00007 - PO 0000252114	-	23,635
Explore Innovative Chemistry of Natural Gas Conversion to DME (Dimethyl Ether)	81.RD	CEB00007	-	41,301
<b>Total U.S. Department of Energy</b>			<b>1,950,648</b>	<b>10,151,518</b>
<b>U.S. Department of Education</b>				
Developing an Online Tutor for Accelerating High School Vocabulary Learning	84.RD	R305A130467	47,646	407,361
A Psychometric Investigation of Universal Screening for Social-Emotional Development in Preschool Using Parent and Teacher Informants	84.RD	R305A150152	9,870	126,511
Application for Grants Under the Centers for International Business (CIBE) Program (CFDA NUMBER: 84.220A) Funding Opportunity Number: ED-GRANTS-060314-001	84.RD	P220A140021-14A	-	287,235
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
Application for Grants Under the Centers for International Business (CIBE) Program (CFDA NUMBER: 84.220A) Funding Opportunity Number: ED-GRANTS-060314-001	84.RD	P220A100027	-	28,632
Validation of the Behavioral and Emotional Screening System for Early Identification and Intervention for Emotional and Behavioral Problems in Preschool	84.RD	R324A100104	-	8,265
Mediators of Social Impairment among Children with ADHD	84.RD	R324A120003	107,329	154,754

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<b>U.S. Department of Education, continued</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Department of Education</b>				
South Carolina C.H.A.R.T.E.R. Evaluation Proposal	84.RD	15290FA19	-	42,554
<b>Georgia Institute of Technology</b>				
Telerobotics Research	84.RD	RE220-GI	-	(257)
<b>Lexington-Richland School District Five</b>				
Evaluation of Lexington-Richland School District 5's Project ACCESS	84.RD	156809/164486	-	207,057
Evaluation of Lexington-Richland School District 5's Project ACCESS	84.RD	156809/164486	-	46,638
<b>Richland School District Two</b>				
Evaluation of the Carolina Consortium for Enterprise Learning Project	84.RD	15-008-A REVISED	-	146,266
Evaluation of Richland School District Two's Magnet Project: Full STEAM Ahead	84.RD	14009609/15005803	-	50,464
Evaluation of Richland School District Two's Magnet Project: Full STEAM Ahead	84.RD	14009609/15005803	-	45,183
Evaluation of Richland School District Two's Magnet Project: Full STEAM Ahead	84.RD	14009609/15005803	-	79,856
<b>Total U.S. Department of Education</b>			<b>164,845</b>	<b>1,630,519</b>
<b>U.S. Department of Health and Human Services</b>				
Intervention to Improve Quality of life for African-American Lupus Patients (IQAN)	93.RD	KAR060026B	-	(1,838)
Regulation of Macrophages in Obesity-Enhanced Colon Cancer: Benefits of Quercetin	93.RD	KAT007824A	-	63,209
Regulation of Macrophages in Obesity-Enhanced Colon Cancer: Benefits of Quercetin	93.RD	KAT007824B	-	34,013
Improving Adherence to Adjuvant Hormonal Therapy among Disadvantaged Breast Cancer Survivors	93.RD	KCA193667A	-	62,757
Control of Cocaine Seeking by Dj-dependent Modulation of NMDA Signaling	93.RD	KDA031747B	-	118,521
Behavioral Health Care in Army Warrior Transition Units	93.RD	KDA037412A	16,681	144,110
Cannabidiol and Immunosuppression: Mechanism of Induction and Role of MDSCs	93.RD	KDA034892A	-	154,358
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	45,679
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	9,022
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	8,008
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	7,670
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	30,606
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	1,238
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	14,771
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	162,044
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	36,342
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	82,844
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	119,836
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	68,085
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	99,305
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	56,878
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	58,703
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	41,378
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	57,117
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	21,313
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	2,575	376,786
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	197,871
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	56,159
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	42,619
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	87,361
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	68,831
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	12,360
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	12,751
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	15,834
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (Admin Core)	93.RD	PMD001770C	-	42,610
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (Admin Core)	93.RD	PMD001770C	-	(1,338)
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (Admin Core)	93.RD	PMD001770C	-	89,216
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (Admin Core)	93.RD	PMD001770C	-	12,906
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (Admin Core)	93.RD	PMD001770C	-	38,304
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	36,957	51,535
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	13,659
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	10,479
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	3,158
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	148



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<b>U.S. Department of Health and Human Services, continued</b>				
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	6,242
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	11,096
Energy Expenditure Responses to Acute and Chronic Exercise in Older Women	93.RD	RAG031297C	-	139,308
Characterization and Genetics Analysis of Aging in Daphnia	93.RD	RAG037969B	-	178,337
Mast Cell S1P Receptor2 in the Initiation and Progression of Chronic Inflammation	93.RD	RAI095494B	26,407	363,637
Unraveling the Role of Asymmetric Division in Lineage Specification of Stem Cells	93.RD	RAR063338A	-	47,508
Microengineered Osteoinductive and Vasculogenic Scaffold	93.RD	RAR063745A	126,289	156,309
MicroRNAs in Atopic Dermatitis Pathogenesis: A Role for Mast Cell and Sphingosine-1-Phosphate\	93.RD	RAR067996A	-	16,279
Role of Natural Indoles in Experimental Autoimmune Encephalomyelitis	93.RD	RAT006888B	-	340,546
Targeting Protein Arginine Deiminases to Prevent Colitis and Colon Cancer	93.RD	RCA151304B	155,270	289,628
Stromal Modulation of Response to Thymidylate Synthase Inhibitors	93.RD	RCA154731B	-	171,794
Stromal Modulation of Response to Thymidylate Synthase Inhibitors	93.RD	RCA154731B	-	26,084
Development of an Innovative Physical Activity Self-report Instrument for Youth	93.RD	RCA158577B	-	(10,541)
Southern Oncology Network on Adverse Reactions (SONAR) - Focus on Tyrosine Kinase Inhibitors (TKIs)	93.RD	RCA165609B	53,800	423,344
Southern Oncology Network on Adverse Reactions (SONAR) - Focus on Tyrosine Kinase Inhibitors (TKIs).	93.RD	RCA165609C	-	29,531
Macrophages in High Fat Diet Enhanced Colorectal Cancer: Regulation by miRNA-155	93.RD	RCA167058A	-	53,691
Building Evidence for Effective and Sustainable Cigarette Warning Label Policy	93.RD	RCA167067B	84,806	316,791
Building Evidence for Effective and Sustainable Cigarette Warning Label Policy	93.RD	RCA167067B	-	38,537
Building Evidence for Effective and Sustainable Cigarette Warning Label Policy	93.RD	RCA167067B	12,227	19,446
HPV Methylation as a Biomarker of Viral Persistence and Risk of Cervical Disease	93.RD	RCA169998A	-	44,818
Addressing Acquiescence: Reducing Survey Error To Promote Latino Health	93.RD	RCA172283A	161,466	628,523
Addressing Acquiescence: Reducing Survey Error To Promote Latino Health	93.RD	RCA172283A	-	26,557
HER2 and the Link Between Inflammation and Cancer Stem Cells	93.RD	RCA178386A	-	251,775
HER2 and the Link Between Inflammation and Cancer Stem Cells	93.RD	RCA178386B	-	21,492
Evaluation of Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336A	833	386,795
Evaluation of Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336A	-	7,312
Evaluation of Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336A	-	30,442
Nano-cocktail Overcomes Multidrug-Resistance for Ovarian Cancer Therapy	93.RD	RCA188847A	-	75,641
Molecular Origin and Evolution of HPV Inactive Head and Neck Cancers	93.RD	RCA201853A	-	94,399
Reducing Colorectal Cancer Disparities: Racial Differences in Colorectal Polyp Profile	93.RD	RCA202477A	4,775	32,313
HIV/Cocaine Neurotoxicity in Females	93.RD	RDA013137E	-	256,226
Mediation in Survival and Onset-to-Growth Models Applied to Youth Substance Onset	93.RD	RDA030349B	-	22,465
Concurrent Treatment of Substance Abuse and Child Maltreatment	93.RD	RDA031780B	-	649,729
Impact of HIV-1 Tat Protein on Cocaine-Dopamine Transporter Interaction	93.RD	RDA035714A	163,843	398,629
Impact of HIV-1 Tat Protein on Cocaine-Dopamine Transporter Interaction	93.RD	RDA035714B	-	48,256
Sensory-Motor Systems and Conceptual Processing in the Healthy and Impaired Brain	93.RD	RDC010783B	12,964	299,601
Maximizing Speech Recognition Under Adverse Listening Conditions	93.RD	RDC012506B	-	22,597
Word Learning in Reading and Language Impairment Subgroups	93.RD	RDC013399A	15,140	107,993
BK Channel Function and Regulation in Urinary Bladder Smooth Muscle	93.RD	RDK084284B	-	55,559
Protein Succination: a Mechanistic Mediator of Adipocyte Dysfunction in Diabetes	93.RD	RDK105087A	-	74,523
Role of TRP Channels in Human Detrusor Function and Dysfunction	93.RD	RDK106964A	-	54,158
Estrogen-T cell Interactions	93.RD	RES019313B	-	1,703
Free Radical Mechanisms in Environmental Hepatotoxicity	93.RD	RES019875C	-	130,128
South Carolina Post-Baccalaureate Research Program	93.RD	RGM066526C	-	81,977
South Carolina Post-Baccalaureate Research Program	93.RD	RGM066526D	-	35,203
South Carolina Initiative for Minority Development	93.RD	RGM076277C	-	235,659
Glutathione and Redox Control in the Mitochondrial Intermembrane Space	93.RD	RGM086619B	-	138,907
Mechanistic Studies of Iron Regulation in Yeast	93.RD	RGM100069B	-	249,876
The Development of Sustained Attention in Infants	93.RD	RHD018942-I	-	248,685
The Development of Sustained Attention in Infants	93.RD	RHD018942-I	-	189,661
Maternal HIV: Developmental Neurotoxicity	93.RD	RHD043680C	-	380,383
Maternal HIV: Developmental Neurotoxicity	93.RD	RHD043680C	-	114,322
Risk in Context: New Methodology for Modeling Risk by Context Interactions	93.RD	RHD054736C	-	41,816
Fathering Practices and Positive Development among African American Adolescents	93.RD	RHD068688B	-	810
Role of STARD6 in Ovarian Steroidogenesis	93.RD	RHD070126B	-	5,200
Families Improving Together (FIT) for Weight Loss	93.RD	RHD072153C	68,877	450,899
Families Improving Together (FIT) for Weight Loss	93.RD	RHD072153C	-	20,648
Theory-based HIV Disclosure Intervention for Parents	93.RD	RHD074221B	-	102,132
Detection of S-(2-succino)cysteine (2SC) as a Biomarker of Mitochondrial Disease	93.RD	RHD077187A	-	29,295
Electrophysiology of Neonatal and Adult Heart	93.RD	RHL016152I	-	183,077
Physical Activity During the Transition from Elementary School to High School	93.RD	RHL091002B	79,163	781,518
Intracellular Sorting of Connexin 43 by the Ubiquitin Ligase Wwp1	93.RD	RHL104030B	-	86,322
Intracellular Sorting of Connexin 43 by the Ubiquitin Ligase Wwp1	93.RD	RHL104030B	-	(1)
Suppression of Cardiac Calcium Channels by Acute Hypoxia	93.RD	RHL107600B	-	117,507
Localized Targeting of Matrix Proteases Following Myocardial Infarction	93.RD	RHL111090B	140,369	408,218
Localized Targeting of Matrix Proteases Following Myocardial Infarction	93.RD	RHL111090B	-	20,783
Physical Activity and Nutrition Intervention in Afterschool Programs	93.RD	RHL112787B	55,896	488,883

The accompanying notes are an integral part of this schedule.

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<b>U.S. Department of Health and Human Services, continued</b>				
Sparstolonin B as an Anti-Atherogenic Agent	93.RD	RHL116626A	186	296,973
Sparstolonin B as an Anti-Atherogenic Agent	93.RD	RHL116626B	-	145,540
Analysis of TGFbeta Ligands Function in Heart Development and Disease	93.RD	RHL126705B	-	58,563
Emergence and Stability of Autism in Fragile X Syndrome	93.RD	RMH090194B	-	233,247
Emergence and Stability of Autism in Fragile X Syndrome	93.RD	RMH090194B	-	9,396
Emergence and Stability of Autism in Fragile X Syndrome	93.RD	RMH090194B	-	250,686
Immunopathological Basis of PTSD	93.RD	RMH094755B	-	219,019
Online vs Staff Delivery: Child & Family Outcomes, Cost Analysis and Satisfaction	93.RD	RMH097699A	395,199	728,911
Quality, Economic Outcomes and Sustainability of Tele psychiatry (QUEST)(Continuation Application	93.RD	RMH100002B	506,041	589,255
Quality, Economic Outcomes and Sustainability of Tele psychiatry (QUEST)(Continuation Application	93.RD	RMH100002B	-	158,321
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	50,937	61,900
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	112,459
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	41,317
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	42,646
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	6,160
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	33,546
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	12,320
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	122,004
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	30,043
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	35,487
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	35,960
A Genetic Model for Early-Onset Breast and Colon Cancer in African Americans	93.RD	UCA158428C	47,042	332,747
Transcranial Direct Current Stimulation to Treat Aphasia: Phase II Trial	93.RD	UDC011739B	286,015	729,002
Transcranial Direct Current Stimulation to Treat Aphasia: Phase II Trial	93.RD	UDC011739B	-	(79,339)
Transcranial Direct Current Stimulation to Treat Aphasia: Phase II Trial	93.RD	UDC011739B	-	(70,081)
Trans-cranial Direct Current Stimulation to Treat Aphasia: Phase II Trial	93.RD	UDC011739C	-	25,927
IPA Between NICHD and Alexander McLain of the University of South Carolina	93.RD	3246387	-	13,359
Regulation of Macrophages in Obesity-Enhanced Breast Cancer	93.RD	FCA183458A	-	29,749
Regulation of Macrophages in Obesity-Enhanced Breast Cancer	93.RD	FCA183458A	-	3,896
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	279,385
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	140,138
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	193,770
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	128,327
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	204,356
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	207,239
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	180,405
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	96,170
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	112,114
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(7,200)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	8
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	150
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	12,658
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(735)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	3,662
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(2,034)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	18,157
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	102,468
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	208,680
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	104,671
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	RISK	-	7,275
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	RISK	-	11,814
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	1,228
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	13,481
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	5,213
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	4,903
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	4,136
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	5,041
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000	29,712	91,652
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000	-	134,106
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000	-	76,310
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000	-	16,407
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	59,700	227,610

The accompanying notes are an integral part of this schedule.

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<b>U.S. Department of Health and Human Services, continued</b>				
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	-	272,047
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	-	156,018
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	-	71,254
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	-	28,323
MicroRNA Regulation of EAE by Resveratrol	93.RD	FAT008539A	-	14,838
Modifying Intrinsic Growth Capacity through Axonal mRNA Translation	93.RD	RNS041596C	-	33,891
Protein Succination as a Mediator of Neuropathology in Mitochondrial Disease	93.RD	RNS092938A	-	179,779
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	185,248	628,127
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	28,828
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	1P20GM109091-01	-	17,428
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	1P20GM109091-01	-	40,787
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	1P20GM109091-01	-	(464)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	1P20GM109091-01	-	(11,042)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	1P20GM109091-01	-	139
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	1P20GM109091-01	-	138
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-02	-	(4,950)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	186,143
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-02	-	217,466
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	182,727
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	195,244
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	179,346
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	38,921
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	73,435
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	152,158
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	35,398
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	115,124
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	36,533
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	36,167
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	54,856
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	33,746
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	11,997
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	1,758
Does Preference-based HIV Testing Increase Uptake in High Risk Populations?	93.RD	RMH106388B	214,481	289,561
Hypocretin/orexin Modulation of Cognitive Correlates of Brain Aging	93.RD	RAG050518A	33,769	141,528
Sexual Orientation and the Risk for Unintended Pregnancy Among U.S. Women of Reproductive Age	93.RD	1R40MC28314-01-00	21,776	61,443
Developmental Toxicity Of Organophosphate-Based Flame Retardants	93.RD	1R21ES022797-01A1	-	1,307
Methylmercury Exposure Through Rice Ingestion, Gut Microbes, and Offspring Development	93.RD	1R21ES026412-01	8,250	38,378
Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation	93.RD	1F32DC013934-01	-	48,277
Processing of Repair Disfluencies in Spoken Language	93.RD	1R56DC013545-01A1	-	7,040
Speech Entrainment Treatment for Broca's Aphasia	93.RD	1R21DC014170-01A1	-	227,455
Early Language and Literacy Acquisition in Children with Hearing Loss	93.RD	1R03DC014535-01	-	134,845
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	970	45,563
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	-	2,987
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	-	177
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	-	12,078
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	18,747	46,549
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	95,353
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	126,094
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	221,684
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	187,886
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	164,765
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	287,750
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	177,044
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	206,627
SsnB, a Chinese Herb-Derived Selective TLR Antagonist	93.RD	7R21AT006767-02	-	33,023
MicroRNA Regulation of EAE by Resveratrol	93.RD	5F32AT008539-02	-	47,034
Compartmentalization of Cyclic Nucleotide Signaling in the Ventral Hippocampus	93.RD	1R01MH101130-01A1	-	353,201
Muscarinic Modulation of the Basolateral Amygdala	93.RD	1R01MH104638-01A1	-	415,640
Progression of Attentional and Executive Function Deficits in HAND	93.RD	1R01MH106392-01A1	-	85,271
Pharmacogenomic Analysis of Nicotine Dependence	93.RD	4R00DA032681-02	-	342,248
Addiction Treatment in Medicaid Health Homes	93.RD	1K01DA041628-01	-	37,671
Knock-in Mouse Model of Dopamine Transporter-Tat Interaction Underlying NeuroAIDS	93.RD	1R21DA041932-01	-	1,648
Pilot Study of Gender-specific Differences in Failure Resistance and Material Fatigue of Human Carotid Atherosclerotic Plaques	93.RD	REB019663A	-	6,628

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<b>U.S. Department of Health and Human Services, continued</b>				
Periodontal treatment to Eliminate Minority Inequality and Rural Disparities in Stroke (PREMIERS)	93.RD	RMD009738A	411,683	541,243
Periodontal treatment to Eliminate Minority Inequality and Rural Disparities in Stroke (PREMIERS)	93.RD	RMD009738A	-	12,892
Resilience-Based Psychosocial Intervention Among Children Affected by HIV/AIDS in China	93.RD	7R01NR013466-05	8,197	249,375
Innovative Spatio-temporal Survival Models Allowing Crossing Survival	93.RD	1R03CA176739-01A1	-	14,425
Regulation of Macrophages by miRNA-155 in Colon Cancer: Benefits of Quercetin	93.RD	1R21CA175636-01A1	-	141,282
Racial Disparity of MIC-1 Gene in Prostate Tumor Biology	93.RD	1R21CA179733-01A1	-	108,578
A Chemopreventive Strategy Based on Edible MicroRNAs Produced in Plants	93.RD	1R03CA181895-01A1	-	88,576
Modulation of NK Cell Activity by Dietary Product for Prostate Cancer Prevention	93.RD	7R21CA169453-03	-	76,585
A Geospatial Investigation of Breast Cancer Treatment	93.RD	1R15CA179355-01A1	-	211,238
Linking Macrophages to Gut Microbiota in Obesity Enhanced Colon Cancer	93.RD	1R21CA191966-01A1	-	8,868
Increasing Dietary Self-monitoring and Weight Loss in an mHealth Intervention	93.RD	1R21CA187929-01A1	9,628	151,981
Peers Promoting Exercise Adoption and Maintenance among Cancer Survivors	93.RD	1R01CA183849-01A1	54,908	359,638
Inhibitors of B-Raf Through the Dimerization Interface	93.RD	1R21CA191899-01A01	-	43,905
Cachexia in ApcMin/+ mice: The role of IL-6	93.RD	2R01CA121249-05A1	-	294,463
Child Care Accessibility Index: Leveraging SC Child Care Administrative Data to Inform State CCDBG Subsidy Policies	93.RD	90YE0176-01-00	-	52,148
Colorectal Cancer Screening Program in South Carolina	93.RD	1NUS8DP006137-01-00	144,141	376,236
Colorectal Cancer Screening Program in South Carolina	93.RD	15DP006137	-	38,412
Physical Activity During the Transition from Elementary School to High School	93.RD	3R01HL091002-07S1	-	27,101
Children's Dietary Recalls: Prompts, Retention Interval, and Accuracy	93.RD	7R01HL103737-04	-	177,943
Children's Dietary Recalls: Prompts, Retention Interval, and Accuracy	93.RD	7R01HL103737-04	-	9,041
DIDACTIC: Dissemination and Implementation of a Diet and Activity Community Trial In Churches	93.RD	1R01HL122285-01	242,697	436,513
Utilizing Physical Activity Coordinators to Increase Physical Activity Among Youth	93.RD	R21HL121692	17,800	86,781
TRB3: A Novel Mediator for Denervation-induced Muscle Atrophy	93.RD	1R03AR066825-01A1	-	107,278
KCNQ Channels of the Urinary Bladder: A Functional Role and Therapeutic Potential	93.RD	1F31DK104528-01	-	39,553
Succination Promotes ER Stress & CHOP Stability; Novel Role for CHOP in the Metabolic Function of Adipocytes in Diabetes	93.RD	1F31DK108559-01	-	22,642
Modifying Intrinsic Growth Capacity through Axonal mRNA Translation	93.RD	2R01NS041596-10A1	30,886	353,814
Functions of Heparan Sulfate Proteoglycans in Axon Guidance and Degeneration.	93.RD	4R00NS083714-03	-	151,634
Regulation of Kainate-Type Glutamate Receptors by Auxiliary Subunits	93.RD	1R03NS088858-01A1	-	25,650
Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth	93.RD	1R01NS089633-01A1	191,832	353,559
Metallopolymers and Antibiotic Bioconjugates against Multidrug Resistant Bacteria	93.RD	1R01AI120987-01	-	102,513
Metallopolymers and Antibiotic Bioconjugates against Multidrug Resistant Bacteria	93.RD	1R01AI120987-01	-	67,909
Metallopolymers and Antibiotic Bioconjugates against Multidrug Resistant Bacteria	93.RD	1R01AI120987-01	-	33,384
Metallopolymers and Antibiotic Bioconjugates against Multidrug Resistant Bacteria	93.RD	RAI120987A	-	37,881
Mechanisms of the Effect of HIV Disclosure on Clinical Outcomes: A Longitudinal Study	93.RD	1R21AI122919-01A1	-	6,063
Ubiquitin-mediated Regulation of the RAD51D Homologous Recombination Protein	93.RD	1R15GM110615-01	-	90,976
Roles of the Mammalian CST Complex in DNA Replication and Chromosome Cohesion	93.RD	4R00GM104409-02	-	253,590
Mechanisms of Iron and Thiol Redox Regulation in Yeast	93.RD	1R35GM118164-01	-	35,147
Policy to Practice: Statewide Rollout of YMCA Childhood Obesity Standards	93.RD	1R01HD079422-01	80,000	522,668
Social Mechanisms for Promoting Youth Physical Activity in Afterschool Programs	93.RD	1R21HD077357-01A1	-	139,171
Turn Up the HEAT - Healthy Eating and Activity Time in Summer Day Camps	93.RD	1R01HD079372	-	409,033
Promoting Healthy Weight in Pregnancy and Postpartum among Overweight/Obese Women	93.RD	1R01HD078407-01A1	16,471	469,381
Mothers' Education after Childbearing and Family Well-being	93.RD	7R03HD073312-03	14,076	52,467
Targeted Engagement of the Premotor-Prefrontal Motor Circuit after Stroke	93.RD	1R03HD087481-01	-	3,570
Neurodevelopmental Outcomes Associated with Care Setting in Children Orphaned by AIDS	93.RD	1R21HD087108-01A1	-	11,426
Modeling and Estimation of Nonlinear Quantile Effects in Child Health Research	93.RD	1R03HD084807-01A1	-	17,383
Community-Generated Palliative Care Telemedicine for Rural Black and White Elders	93.RD	1R21AG046772-01A1	16,590	195,574
Validating Triage for Chemical Mass Casualty Incidents - A First Step	93.RD	1R01LM011648-01A1	46,464	542,417
GMaP Subcontract with University of Kentucky	93.RD	321000011216065	-	37,064
<b>Passed through programs from:</b>				
<b>Association of University Centers on Disabilities</b>				
Disability and Health Program Value	93.RD	1U38OT000140-01	-	(4)
AUCD Technical Assistance on Medicaid Data	93.RD	1U38OT000140-02	-	32,101
<b>Boston University</b>				
Modeling Agreement in Cancer Diagnostic Tests	93.RD	4500001491	-	25,327
<b>Brandeis University</b>				
Subcontract from Brandeis University - South Carolina Opliod Safety Initiative in the Military (SCOSI-M)	93.RD	402269	-	(58,706)
Subcontract from Brandeis University - South Carolina Opliod Safety Initiative in the Military (SCOSI-M)	93.RD	402269	-	(14,066)
Subcontract from Brandeis University - South Carolina Opliod Safety Initiative in the Military (SCOSI-M)	93.RD	402269	-	76,285
<b>Passed through programs from:</b>				
<b>CarboNix, LLC</b>				
NIH-SBIR Phase II: Subcontract - CarboNix LLC.	93.RD	SBIR-II-SUB-USC-1	-	(778)
<b>Case Western Reserve University</b>				
Subaward: Hub Health Study: A research proposal in response to Time-Sensitive Obesity Policy and Program Evaluation	93.RD	RES510055; 1R01DK108184-01	-	16,979
<b>Cincinnati Children's Hospital Medical Center</b>				
TCD with Transfusions Changing to Hydroxyurea-Subaward with Cincinnati Children's--Amendment	93.RD	136444	2,043	2,043
<b>Children's Hospital of Philadelphia</b>				
COG Chair Grant: Per Case Reimbursement	93.RD	U10CA098543	3,333	17,924

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<b>U.S. Department of Health and Human Services, continued</b>				
<b>Passed through programs from:</b>				
<b>Children's Trust Fund of South Carolina</b>				
MIECHV - Competitive Grant	93.RD	CHILDREN'S TRUST	-	22,693
<b>Clemson University</b>				
P30: Realizing Improved Patient Care through Human-centered Design in the Operating Room (RIPCHD.OR) Learning Lab	93.RD	1823-209-2010985	-	5,950
<b>Columbia University</b>				
Subcutaneously Implantable Affinity Microsensor for Stable and Accurate Monitoring of Glucose	93.RD	1(GG007864)	-	76,886
Efficient Methods for Genotype-Specific Distributions with Unobserved Genotypes	93RD	2(GG006250)	-	16,896
<b>Connecting Health Innovations</b>				
Developing the Dietary Inflammatory Index for Clinical Application (subcontract)	93.RD	CONNECTING HEAL	-	6,107
Developing the Dietary Inflammatory Index for Clinical Application (subcontract)	93.RD	R44DK103377-02	-	157,353
<b>Craig H. Neilsen Foundation</b>				
Effects of the SCI Microenvironment on Intra-Axonal Signaling	93.RD	232566-5826	-	160,707
<b>Duke University</b>				
Does Preference-Based HIV Testing Increase Uptake in High Risk Populations?	93.RD	16-NIH-1035	-	15,547
<b>Enformia, Inc</b>				
Platform for Collaborative Bio-Signal Data Management and Analysis - Sub-Contract with Enformia, Inc.	93.RD	ENFORMIA INC	-	57,132
<b>Environment and Health Group, Inc.</b>				
Mobile Telecare for Underserved African-American Elders with Heart Failure	93.RD	1R43MD008661-01	-	14,010
Usability of Self-Directed Online Training Intervention for Chinese Dementia Caregivers	93.RD	15590FB18	-	7,063
<b>Georgia Institute of Technology</b>				
Telerobotics Research	93.RD	RF543-G2	-	13,699
<b>Greenville Health System</b>				
GHS-REACH - A Caregiver coaching intervention for High Risk Patient/Caregivers to Extend Dementia Capable Services.	93.RD	7315-2	-	2,612
<b>Indoor Biotechnologies, Inc.</b>				
Antigenic Determinants of Asthma-Associated for Design of Immunotherapy	93.RD	R01A1077653	-	87,325
<b>Johns Hopkins University</b>				
Sub contract with John Hopkins GMAP	93.RD	2001995453 - RISK	-	3,460
<b>Kaiser Foundation Research Institute</b>				
Patterns of Care and Recurrence of Prostate Cancer	93.RD	115-9341-USC-01	-	(733)
<b>LiveWell Greenville</b>				
Assessment of Park Quality Improvements and Inequities between 2014 and 2017	93.RD	11570FB23	-	3,057
<b>Mary Black Foundation</b>				
Evaluation Services for Mary Black Foundation's OAH1B Grant	93.RD	93297	-	75,306
<b>Mathematica Policy Research, Inc.</b>				
Building Analytic Capacity	93.RD	40146S04546	-	5,802
<b>Medical University of South Carolina</b>				
South Carolina Clinical and Translational Research Institute (SCTR)	93.RD	MUSC09-078	-	(890)
Biomarkers in Autism of Aripiprazole and Risperidone Treatment (BAART)	93.RD	MUSC10-124	-	43,644
Genetic and Environmental Influences on SLE and Lupus-Related Autoimmunity	93.RD	MUSC12-085	-	26,861
Brief, Novel Smoking Cessation in Primary Care: A Comparative Effectiveness Trial	93.RD	MUSC13-068	-	217,390
Rebuilding the Graniteville, SC Community Through Health Communication and Promotion, and Public Health Tracking	93.RD	MUSC14-047	-	5,145
Brain Connectivity Supporting Language Recovery in Aphasia	93.RD	MUSC14-031	-	189,159
Transient Receptor Potential Meastatin-4 (TRPM4) Channel in Urinary Bladder Smooth Muscle	93.RD	SCTR#1508	-	626
Subaward: Novel Intervention Linking Public Housing with Primary Care to Prevent Diabetes	93.RD	MUSC14-054	-	33,313
Crest 2	93.RD	MUSC14-050	-	16,323
South Carolina Collaborative Alliance for Stroke Trials-(SC-CoAST)- USC Subaward	93.RD	MUSC13-069	-	31,484
Complement-factor H-based Therapeutics in an Age-related Macular Degeneration	93.RD	MUSC14-084	-	2,942
South Carolina Clinical and Translational Research Institute - HSSC Subcontract	93.RD	MUSC15-104	-	79,310
South Carolina Cancer Health Equity Consortium (SC CHEC)	93.RD	MUSC15-076	-	27,762
Intervention to Improve Quality of life for African-AmericaN lupus patients (IQAN)	93.RD	MUSC15-099	-	14,075
<b>MicroVide LLC</b>				
Reversal of Myocardial Infarction by Localized Stimulation	93.RD	MICROVIDE /NIH	-	233,008
<b>NORC University of Chicago</b>				
NCS Vanguard Central ROC Task Order 3NCS Health Measurement Data Collection - Sub-contract with NORC	93.RD	7423USC PATE.TO	-	10,512
<b>PPI Pharmaceuticals, LLC</b>				
Non-ATP Competitive Inhibitors of Cyclin Dependent Kinases as Cancer Therapeutics	93.RD	PPI PHARMACEUTI	-	19,418
<b>Rhode Island Hospital</b>				
Impact of Health Reform on Outpatient Substance Abuse Treatment Programs	93.RD	701-5530	-	4,177
<b>Spartanburg Regional Medical Center</b>				
Research Supplements to Promote Diversity - Individualizing Colon Cancer Therapy Using Hybrid RNA and DNA Mol. Signature	93.RD	U 01CA157960-03 SN03	-	22,643
Research Supplements to Promote Diversity - Individualizing Colon Cancer Therapy Using Hybrid RNA and DNA Mol. Signature	93.RD	U01CA157960-04SN04	-	100,800
<b>Texas Tech University</b>				
University of South Carolina Subaward: Impact of Video Games on Underserved Children's Health	93.RD	21F086-03	-	9,425

The accompanying notes are an integral part of this schedule.

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<b>U.S. Department of Health and Human Services, continued</b>				
<b>Passed through programs from:</b>				
<b>The Ohio State University</b>				
Sub-award NIH-R01: HIV Nucleocapsid Protein and Gag Polyprotein Nucleic Acid Chaperone Activity	93.RD	60048848	-	15,497
<b>The Regents of the University of California</b>				
Integrative Functions of the Planum Temporale	93.RD	2015-3293	-	50,319
Multisectoral Agricultural Intervention to Improve Food Security, Prevent Treatment Failure, and Reduce Co-morbidities Among People Living with HIV in Kenya	93.RD	9343sc	-	48,822
<b>Trustees of Dartmouth College</b>				
Cinema Smoking and Youth Smoking in Latin America	93.RD	1066	-	131,687
Remote Acculturation, U.S. Media Exposure, and Cigarette Smoking Among Mexican Youth	93.RD	R782	-	60,841
<b>University of Alabama at Birmingham</b>				
A Genetic Model for Early-Onset Breast and Colon Cancer in African Americans	93.RD	000503061-001	-	6
Conformational Dynamics & Allosteric Regulation During Stress-Responsive Metallocofactor Assembly	93.RD	UA15-040	-	136,248
Conformational Dynamics & Allosteric Regulation During Stress-Responsive Metallocofactor Assembly	93.RD	UA15-041	-	64,519
<b>University of Central Florida</b>				
University of Central Florida Subaward: Project HARMONY	93.RD	14276042-01	-	58,153
University of Central Florida Subaward: Project HARMONY	93.RD	14276042-01	-	20,374
<b>University of Iowa</b>				
Neural Mechanisms of Vocal Communication in the Human Brain	93.RD	W000828030	-	5,018
<b>University of Kansas Center for Research</b>				
Exposure and Emotion Regulation as Predictors of Adjustment to Trauma	93.RD	FY2016-116	-	3,163
<b>University of North Carolina</b>				
SEARCH Nutrition Ancillary Study 2 (SNAS2)	93.RD	5-34496	-	30,768
Population-base Diabetes in Youth Registry	93.RD	5102576	-	45,252
<b>University of Massachusetts</b>				
Identification of Citrullinated Biomarkers of Inflammatory Diseases and Cancer	93.RD	WA00228171/RFS2015070	-	29,355
<b>University of Pennsylvania</b>				
Surgery to Prevent Postinfarction Ventricular Remodeling - Subcontract	93.RD	2R01HL06395414A	-	106,846
<b>University of Pittsburgh</b>				
A Promotora-mediated, Family-based Intervention to Prevent Obesity in Latino Preschool Children - Sub-contract with University of Pittsburgh	93.RD	0045199(125081-1)	-	7,565
<b>University of South Florida</b>				
The TEDDY Study	93.RD	6119-1276-00-AV	-	52,057
The TEDDY Study	93.RD	6119-1276-00-AV	-	74,025
<b>University of Southern Mississippi</b>				
Subcontract: Determining the Mechanisms Governing Transmissibility among Amyloid-Beta Oligomers	93.RD	USM-GR05433-01	-	9,224
<b>University of Texas Health Sciences Center</b>				
Subaward: ENLACE: A Promotora-Led Physical Activity Intervention Trial for Latinas in Texas	93.RD	158484-158173	-	92,462
Subaward: ENLACE: A Promotora-Led Physical Activity Intervention Trial for Latinas in Texas	93.RD	156487/156312	-	(2,024)
<b>University of Vermont</b>				
Internet Assisted Obesity Treatment: Enhanced by Motivational Interviewing	93.RD	24030UOFSC	-	86,639
Internet Assisted Obesity Treatment: Enhanced by Motivational Interviewing	93.RD	291775UB51777	14,331	187,245
<b>Winifred Masterson Burke Medical Research Institute</b>				
HDAC6 is a Target for Neuroprotection (R01NX071056-04)	93.RD	BL3869-004	-	92,254
<b>WJB Dorn VA Medical Center</b>				
Marginal Structural Models for Periodontal Treatments effects on A1C in Diabetics	93.RD	1R013DE02278501	-	58,338
<b>Yale University</b>				
Molecular Imaging Predicts Atrial Remodeling and Fibrillation Vulnerability	93.RD	M13A11592(A09485)	-	61,340
<b>South Carolina Campaign to Prevent Teen Pregnancy</b>				
Expanding the Reach of Effective Teen Pregnancy Prevention Programs in High Need South Carolina Communities (Tier 1B) (OAH1B)	93.RD	OAH1B	-	78,644
Expanding the Reach of Effective Teen Pregnancy Prevention Programs in High Need South Carolina Communities (Tier 1B) (OAH1B)	93.RD	OAH1A	-	19,163
<b>South Carolina Department of Health and Environmental Control</b>				
Evaluation of WISEWOMAN (Well-Integrated Screening and Evaluation for Women Across the Nation)	93.RD	CY-13-026	-	(25)
Healthy South Carolina Initiative: Community Transformation Plan	93.RD	CY-4-509	-	181,621
Healthy South Carolina Initiative: Community Transformation Plan	93.RD	CY-4-509	-	60,172
Healthy South Carolina Initiative: Community Transformation Plan	93.RD	CY-4-509	-	200,011
South Carolina Muscular Dystrophy Surveillance System	93.RD	MC-15-011	-	59,881
South Carolina Muscular Dystrophy Surveillance System	93.RD	MC-15-011	-	159,116
DHEC Bureau of Community Health and Chronic Disease Prevention 1422	93.RD	CY-15-017	-	177,343
Antihypertensive Treatment of Acute Cerebral Hemorrhage (ATACH-II): A Phase III Randomized Multicenter Clinical Trial of Blood Pressure Reduction for Hypertension in Acute Intracerebral Hemorrhage	93.RD	N000936945	-	13,011

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<b>U.S. Department of Health and Human Services, continued</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Department of Health and Human Services</b>				
For the Purchase and Provision of Alzheimer's Disease Registry, Management and Training and Development Related to Dementia	93.RD	A20160088A	-	282,421
For the Purchase and Provision of Alzheimer's Disease Registry, Management and Training and Development Related to Dementia (SCVAGAL PROGRAM)	93.RD	A20160088A	-	39,953
For the Purchase and Provision of the Alzheimer's Disease Registry Management and Training and Development Related to Dementia (Dementia Training/Development)	93.RD	A20160088A	-	152,360
SF 2015 and 2016 QI/QA Contract	93.RD	A20161425A	-	822,314
Technical Assistance Support for Coordination of Data Reporting and Data Analytics for the SC Medicaid Program	93.RD	A201710237A	-	(5,743)
Technical Assistance Support for Coordination of Data Reporting and Data Analytics for the SC Medicaid Program	93.RD	A201710237A	-	1,022,180
Data Translation and Interpretation, Evaluation, Research and Technical Assistance SC Medicaid Program	93.RD	A201710239A	-	(22,977)
Data Translation and Interpretation, Evaluation, Research and Technical Assistance SC Medicaid Program	93.RD	A201710239A	-	2,610,110
Data Translation and Interpretation, Evaluation, Research and Technical Assistance SC Medicaid Program	93.RD	A201710239A	-	33,370
SCDHHS A201511200A: Assessment & Recommendations of Existing & Needed Community-Based Treatment Team Services for Individuals with Severe Mental Illnesses & High Risk of Repeated Psychiatric Crises & Hospital Visits	93.RD	A201511200A	-	(22)
SF 2015 and 2016 QVQA Contract	93.RD	A20151425A	-	(673)
SC DHHS Palmetto Coordinated System of Care Evaluation	93.RD	A201812156A	-	55,907
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #1	-	78,634
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #2	-	1,164
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #3	-	32,376
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #4	-	230
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #4	-	8,405
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #5	-	13,544
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #6	-	(921)
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #7	-	(4,584)
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #8	-	64,306
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #9	-	6,278
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NYTD (2014-2015)	93.RD	Task Order #10	-	4,008
Child Welfare Quality Assurance	93.RD	4400010906	-	3,079,538
Child Welfare Quality Assurance	93.RD	4400010906	-	515,330
Child Welfare Quality Assurance	93.RD	4400010906	-	170,318
The Purchase and Provision of Evaluation Technical Assistance and Support for the Chipra Quality Initiative	93.RD	PO #4600411870	-	119,695
SC DHHS Palmetto Coordinated System of Care Evaluation	93.RD	A201812156A	-	448
<b>South Carolina Department of Mental Health</b>				
Young Lives Matter	93.RD	4400011923	-	33,587
<b>South Carolina Research Foundation</b>				
Type 1 Diabetes TrialNet: Natural History of the Development of Type 1 Diabetes	93.RD	0000137866/0000145802	-	5,504
Multigenerational Epigenetic Effects of Cannabis Exposure	93.RD	0255-4641-4609	-	(3,262)
Platelet-Oriented Inhibition in New TIA	93.RD	1U01NS026835-01A1	-	5,641
Language Development in Fragile X Syndrome	93.RD	201118600-01	-	157,380
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	53,340
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	1,969
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	21,468
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	148,035
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	22,431
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	53,951
Snacking in Young Children: Parental Definitions, Goals, and Feeding Practices	93.RD	252272-SCRF	-	6,716
Adoptive Transfer of Immunity Elicited by Attenuated HIV Vaccines	93.RD	317K310	-	53,453
Cytoskeletal Oscillations: Mathematical Modeling Integrated with Experiments	93.RD	5-33150	-	12,071
SEARCH for Diabetes in Youth, Phase 3, Year 5 - USC	93.RD	5-52855	-	58,122
Pathways from Food Insecurity to Treatment and Health Outcomes in Women with HIV	93.RD	7440SC	-	22,120
Maternal Methyl mercury Exposure Through Rice Ingestion and Offspring Development	93.RD	RES022409A	8,670	60,453
Quit Advisor MD	93.RD	SILVERCHAIR	-	20,009
Long-Term Lung Health After Exposure to Chlorine Gas	93.RD	TUL-HSC-276-11/12	-	(1,208)
Rural Health Research Center Cooperative Agreement 2014-2015	93.RD	U1CRH037111CO	12,110	162,059
Rural Health Research Center Cooperative Agreement 2014-2015	93.RD	U1CRH037111CO	-	2,639
Rural Health Research Center Cooperative Agreement 2014-2015	93.RD	15U1CRH037111	43,677	563,488
<b>U.S. Department of Health and Human Services, continued</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
Rural Health Research Center Cooperative Agreement 2014-2015	93.RD	15U1CRH03711	-	61,750
Systolic Blood Pressure Intervention Trial(SPRINT)	93.RD	WFUHS30215	-	49,453
Air Pollution, Subclinical CVD and Inflammatory Markers in the SEARCH Cohort	93.RD	2036107	-	63,712
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	2,484,978	1,370,539

The accompanying notes are an integral part of this schedule.

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2016**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	3,298
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	59,381
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	13,344
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	39,250
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	91,340
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	7,218
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	1,422,085
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	9,690	58,659
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	150,836
Trans-cranial Direct Current Stimulation to Treat Aphasia: Phase II Trial	93.RD	1U01DC011739-01A1	-	(83,415)
Three State Rare Conditions Surveillance Project	93.RD	5U01DD000927-02	19,477	27,052
Effects of Criminal Justice System Exposure on Youth's Substance Use Trajectories	93.RD	1R15DA032875	-	11,233
Injury-Induced Pain: Chemical Modulation of Nociceptors	93.RD	2001362978	-	9,258
Insulin Resistance Intervention after Stroke (IRIS) Trial	93.RD	A08082/M11A10971	-	4,700
LIFE - Main Study - sub-contract with Pennington Biomedical Research Center	93.RD	2U01AG0223760S0	-	11,134
Studying Community Programs to Reduce Childhood Obesity - sub-contract with Battelle Memorial Institute	93.RD	US00100000236804	-	(1,838)
<b>Total U.S. Department of Health and Human Services</b>			<b>6,960,093</b>	<b>52,907,621</b>
<b>Executive Office of the President</b>				
Assessing the Congruence of Estimates of Drug-Related Emergency Department Visits Produced by the Drug Abuse Warning Network (DAWN) and the Healthcare Cost and Utilization Project (HCUP): Can HCUP Fill the Gap Left by DAWN?	95.RD	G14USCAROLINA2	29,588	74,840
Analysis of Drug-Involved Driving Data from the Fatality Analysis Reporting System: An Update and Extension through 2014	95.RD	G14USCAROLINA1	-	10,865
<b>Total Executive Office of the President</b>			<b>29,588</b>	<b>85,705</b>
<b>U.S. Department of Homeland Security</b>				
<b>Passed through programs from:</b>				
<b>Louisiana State University</b>				
Multi-scale Spatio-temporal Evaluation of Mitigation Effectiveness in Reducing Natural Hazard Damage and Loss	97.RD	96969	-	109,334
<b>South Carolina Research Foundation</b>				
Tracking Airborne and Satellite Remote Sensing Collection Assets for Emergency Response Phase	97.RD	HSHQDC-11-C-00151	-	2,461
<b>South Carolina Universities Research and Education Foundation</b>				
Nuclear Forensics Undergraduate Scholarship Program	97.RD	NF13001	-	98,436
Nuclear Forensics Minority Serving Institution Collaboration Award Program	97.RD	NF13006	61,469	72,772
Nuclear Forensics Graduate Fellowship Program - Formerly MUSC	97.RD	2012-DN-130-NF0001	-	99,454
<b>University of North Carolina</b>				
E2E Project: Identifying and Analyzing the Driving Forces of Hurricane Recovery for Disaster Stricken Areas to Improve Long-term Planning	97.RD	5-36314	-	4,055
<b>Total U.S. Department of Homeland Security</b>			<b>61,469</b>	<b>386,512</b>
<b>U.S. Agency for International Development</b>				
<b>Passed through programs from:</b>				
<b>International Resources Group</b>				
Research and Implementation Related To Adaptation to Climate Change	98.RD	EPP-1-00-04-00024	-	36,147
<b>Total U.S. Agency for International Development</b>			-	<b>36,147</b>
<b>Total Research and Development Cluster</b>			<b>10,623,256</b>	<b>95,620,435</b>
<b>Student Financial Assistance Cluster</b>				
<b>U.S. Department of Education</b>				
SEOG 2014 - 2015 Beaufort	84.007	P007A148840	-	(6,365)
SEOG 2014-2015 Upstate	84.007	P007A147400	-	(26,262)
SEOG 2014-2015 Columbia	84.007	P007A143813	-	(212,426)
SEOG 2015-2016 Aiken	84.007	P007A157399	-	95,000
SEOG 2015-2016 Beaufort	84.007	P007A158840	-	61,600
SEOG 2015-2016 Columbia	84.007	P007A153813	-	826,937
SEOG 2015-2016 Upstate	84.007	P007A157400	-	147,335
SEOG 2015-2016 2 Year Campus	84.007	P007A153812	-	101,151
College Work-Study Clearing Acct-Federal Regionals	84.033	P033A143812	-	(1,672)



**University of South Carolina**  
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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>Student Financial Assistance Cluster, continued</b>				
<b>U.S. Department of Education, continued</b>				
FWS 2014-2015 Beaufort	84.033	P033A148840	-	8,443
College Work Study Clearing Account	84.033	P033A137400	-	(729)
FWS 2014-2015 Upstate	84.033	P033A147400	-	50,593
FWS Community Service-Clearing Account Columbia	84.033	P033A133813	-	(32,301)
FWS Community Service-Clearing Account Columbia	84.033	P033A133813	-	(7,551)
FWS 2014-2015 Columbia	84.033	P033A143813	-	504,161
FWS Job Location & Development 2014-2015	84.033	P033A143813	-	(4,778)
FWS 2015-2016 Aiken	84.033	P033A157399	-	100,764
FWS 2015-2016 Beaufort	84.033	P033A158840	-	42,262
FWS 2015-2016 Columbia	84.033	P033A153813	-	857,851
FWS Job Location & Development 2015-2016	84.033	P033A153813	-	50,006
FWS 2015-2016 Upstate	84.033	P033A157400	-	55,498
FWS 2015-2016 Sumter	84.033	P033A153812	-	48,926
FWS 2015-2016 Lancaster	84.033	P033A153812	-	49,218
FWS 2015-2016 Salkehatchie	84.033	P033A153812	-	61,507
FWS 2015-2016 Union	84.033	P033A153812	-	29,873
Federal Perkins Loan Program Aiken	84.038	P038A153812	-	1,066,112
Federal Perkins Loan Program Columbia	84.038	P038A153812	-	12,717,648
Federal Perkins Loan Program 2 Year Campuses	84.038	P038A153812	-	76,890
Federal Perkins Loan Program Lancaster	84.038	P038A153812	-	722,920
Federal Perkins Loan Program Salkehatchie	84.038	P038A153812	-	570,280
Federal Perkins Loan Program Sumter	84.038	P038A153812	-	517,745
Federal Perkins Loan Program Union	84.038	P038A153812	-	471,209
Federal Perkins Loan Program Upstate	84.038	P038A153812	-	926,337
Iraq and Afghanistan Service Grant 2014-2015 Beaufort	84.063	P408A145738	-	5,382
Pell Grant Admin Allow 2014-2015 2 Yr Campus	84.063	P063Q143261	-	230
Pell Grant Program 2014-2015 Sumter	84.063	P063P143261	-	(1,199)
Pell Grant Program 2013-2014 Lancaster	84.063	P063P133261	-	(195)
Pell Grant Program 2014-2015 Lancaster	84.063	P063P143261	-	10,021
Pell Grant 2014-2015 Aiken	84.063	P063P142201	-	(7,504)
Pell Grant Admin Allow FY 2014-2015 Aiken	84.063	P063Q142201	-	90
Pell 2014 - 2015 Beaufort	84.063	P063P145738	-	(570)
Pell Grant Admin Allow 2014-2015 Beaufort	84.063	P063Q145738	-	110
Pell Grant 2014-2015 Upstate	84.063	P063P132877	-	(1,412)
Pell Grant 2014-2015 Upstate	84.063	P063P142877	-	(2,913)
Pell Grant Admin Allow 2014-2015 Columbia	84.063	P063Q142200	-	425
Pell Grant 2014-2015 Columbia	84.063	P063P142200	-	11,398
Pell Grant 2015-2016 Aiken	84.063	P063P152201	-	6,086,736
Pell Grant Admin Allow 2015-2016 Aiken	84.063	P063Q152201	-	7,390
Pell Grant 2015-2016 Beaufort	84.063	P063P155738	-	3,766,002
Pell Grant Admin Allow 2015-2016 Beaufort	84.063	P063Q155738	-	4,815
Pell Grant Admin Allow 2015-2016 Columbia	84.063	P063Q152200	-	28,090
Pell Grant 2015-2016 Columbia	84.063	P063P152200	-	23,671,265
Pell Grant Admin Allow 2015-2016	84.063	P063Q152877	-	14,295
Pell Grant 2015-2016 Upstate	84.063	P063P152877	-	11,689,938
Pell Grant Admin Allow 2015-2016	84.063	P063Q153261	-	8,780
Pell Grant Program 2015-2016 Sumter	84.063	P063P153261	-	1,440,180
Pell Grant Program 2015-2016 Lancaster	84.063	P063P153261	-	2,375,333
Pell Grant Program 2015-2016 Salkehatchie	84.063	P063P153261	-	2,244,010
Pell Grant Program 2015-2016 Union	84.063	P063P153261	-	1,005,262
Direct Loan Aiken 2014-2015	84.268	P268K152201	-	21,128
Direct Loan Aiken 2015-2016	84.268	P268K162201	-	17,961,878
Direct Loan Beaufort 2014-2015	84.268	P268K155738	-	20,985
Direct Loan Beaufort 2015-2016	84.268	P268K165738	-	11,365,194
Direct Loan Sumter 2014-2015	84.268	P268K156800	-	1,592
Direct Loan Sumter 2015-2016	84.268	P268K166800	-	1,996,712
Direct Loan Lancaster 2014-2015	84.268	P268K156804	-	17,058
Direct Loan Lancaster 2015-2016	84.268	P268K166804	-	3,201,360
Direct Loan Salkehatchie 2014-2015	84.268	P268K156799	-	(4,015)
Direct Loan Salkehatchie 2015-2016	84.268	P268K166799	-	3,323,812
Direct Loan Union 2014-2015	84.268	P268K156852	-	9,245
Direct Loan Union 2015-2016	84.268	P268K166852	-	1,620,617
Direct Loan Upstate 2014-2015	84.268	P268K152877	-	75,313
Direct Loan Upstate 2015-2016	84.268	P268K162877	-	33,085,576
Direct Loan Columbia 2014-2015	84.268	P268K152200	-	155,048
Direct Loan Columbia 2015-2016	84.268	P268K162200	-	226,920,207

**University of South Carolina**  
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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>Student Financial Assistance Cluster, continued</b>				
<b>U.S. Department of Education, continued</b>				
Teach Grant 2015-2016 Beaufort	84.379	P379T162201	-	33,552
Teach Grant 2015-2016 Upstate	84.379	P379T162877	-	55,770
Teach Grant 2015-2016 Columbia	84.379	P379T162200	-	131,201
<b>Total U.S. Department of Education</b>			<b>-</b>	<b>372,216,374</b>
<b>U.S. Department of Health and Human Services</b>				
Columbia Nursing Faculty Loan Program	93.264	NONE	-	77,669
Nurse Faculty Loan Program 2014	93.264	EP1HP28846	-	104,158
Health Professions Student Loan - Columbia Pharmacy	93.342	NONE	-	224,428
Health Professions Student Loan - Columbia Medicine	93.342	NONE	-	21,336
Health Professions Student Loan - Columbia Primary Care	93.342	NONE	-	10,769
Aiken Two Year Nursing Program	93.364	NONE	-	162
Columbia Two Year Nursing Program	93.364	NONE	-	7
Columbia Four Year Nursing Program	93.364	NONE	-	266,210
Columbia Master Nursing Program	93.364	NONE	-	6,850
<b>Total U.S. Department of Health and Human Services</b>			<b>-</b>	<b>711,589</b>
<b>Total Student Financial Assistance Cluster</b>			<b>-</b>	<b>372,927,963</b>
<b>TRIO Cluster</b>				
<b>U.S. Department of Education</b>				
Student Support Services 2010-15 Grant-in-Aid	84.042	P042A150625	-	88,166
Talent Search Program	84.044	P044A110078	-	344,600
Educational Opportunity Centers Program	84.066	P066A110032	-	447,454
Ronald E. McNair Post Baccalaureate Achievement Program	84.217	P217A120040	-	251,792
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
Student Support Services	84.042	P042A101438-14	-	36,698
Student Support Services	84.042	P042A101438-14	-	20,000
Student Support Services (SSS)	84.042	P042A101162	-	31,061
Student Support Services (SSS)	84.042	P042A101162	-	8,250
Student Support Services 2010-2015	84.042	P042A101465-14	-	38,976
Student Support Services 2010-2015	84.042	P042A101465-14	-	8,989
USC Union Student Support Services	84.042	P042A100582	-	2,992
Student Support Services 2010-15 Grant-in-Aid	84.042	P042A100121	-	1,868
Student Support Services 2010-15 Grant-in-Aid	84.042	P042A100121	-	155,966
Student Support Services	84.042	P042A100032	-	13,968
Student Support Services	84.042	P042A150610	-	207,787
Student Support Services 2010-15 Grant-in-Aid	84.042	P042A150625	-	32,275
Student Support Services	84.042	P042A150362	-	309,799
Student Support Services (SSS)	84.042	P042A150221	-	176,522
Student Support Services 2010-2015	84.042	P042A151228	-	180,708
Student Support Services (SSS)	84.042	P042A150221	-	10
USC Lancaster Upward Bound	84.047	P047A120485	-	256,700
University of South Carolina Columbia Upward Bound Program	84.047	P047A121668	-	496,825
<b>Total U.S. Department of Education</b>			<b>-</b>	<b>3,111,406</b>
<b>Total TRIO Cluster</b>			<b>-</b>	<b>3,111,406</b>
<b>Medicaid Cluster</b>				
<b>U.S. Department of Health and Human Services</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Department of Disabilities and Special Needs</b>				
Provision and Training and Certification for Self-Directed Attendant Care for ID/DD and HASCI Waiver Participants	93.778	20153043	-	1,062
Provision and Training and Certification for Self-Directed Attendant Care for ID/DD and HASCI Waiver Participants	93.778	20163043	-	127,359
Provision and Training and Certification for Self-Directed Attendant Care for ID/DD and HASCI Waiver Participants	93.778	20173043	-	52
<b>South Carolina Department of Health and Human Services</b>				
DHHS/SCCAMRS Administrative Contract FY 2014/15	93.778	A20151593A	-	90,213
Training and Certification for Attendant Care Services	93.778	A20170675A	-	672,635
Training and Certification for Attendant Care Services	93.778	A20170675A	-	15,603
Ongoing Consumer Satisfaction Survey	93.778	A20151722A	-	(1,128)
University of South Carolina School of Medicine Access Improvement/Rural Outreach Initiatives in Partnership with South Carolina Office of Rural Health (HHS 1599)	93.778	A20141599A	-	(4,389)
DHHS/SCCAMRS Administrative Contract 2014/15	93.778	A20181593A	-	165,976
Training and Certification for Attendant Care Services	93.778	A20170675A	-	268
Data Translation and Interpretation, Evaluation, Research and Technical Assistance SC Medicaid Program	93.778	A201710239A	-	2,438

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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>Medicaid Cluster, continued</b>				
U.S. Department of Health and Human Services, continued				
Passed through programs from:				
Sumter School District				
Autism Consultation Services	93.778	SUMTER SCHOOL D	-	16,406
<b>Total U.S. Department of Health and Human Services</b>			-	<b>1,086,495</b>
<b>Total Medicaid Cluster</b>			-	<b>1,086,495</b>
<b>Special Education Cluster (IDEA)</b>				
U.S. Department of Education				
Passed through programs from:				
South Carolina Department of Education				
Project CREATE	84.027	H63010100915	-	19
Project CREATE	84.027	RISK	-	43,640
South Carolina Assistive Technology EXPO 2016	84.027	H63010100915	-	9,000
Passed through programs from:				
South Carolina First Steps to School Readiness				
Team for Early Childhood Solutions	84.027	SC FIRST STEPS	-	7
Team for Early Childhood Solutions	84.027	SC FIRST STEPS	-	2,728
Team for Early Childhood Solutions	84.027	SC FIRST STEPS	-	496,046
<b>Total U.S. Department of Education</b>			-	<b>551,440</b>
<b>Total Special Education Cluster (IDEA)</b>			-	<b>551,440</b>
<b>CCDF Cluster</b>				
U.S. Department of Health and Human Services				
Passed through programs from:				
South Carolina Department of Health and Human Services				
Management & Administration of the Child Care Resource and Referral Network 2014-2015	93.575	DSS/HHS	-	399
Statewide Child Care Market Rate Survey	93.575	4400010008	-	(1,715)
Management & Administration of the Child Care Resource and Referral Network 2014-2015	93.575	5000011358	-	1,398,427
Building a Statewide System for Inclusion 2014-15	93.575	DSS/HHS	-	167,625
Improve the Quality of Child Care for South Carolina Families 2014-15	93.575	4400008002	-	142,998
Improve the Quality of Child Care for South Carolina Families 2014-15	93.575	4400008002	-	50,160
Building a Statewide System for Inclusion 2014-15	93.575	DSS/HHS	-	334,084
South Carolina Department of Social Services				
Improve the Quality of Child Care for South Carolina Families 2014-15	93.575	4400008002	-	34
Improve the Quality of Child Care for South Carolina Families 2014-15	93.575	4400008002	-	33,312
<b>Total U.S. Department of Health and Human Services</b>			-	<b>2,125,324</b>
<b>Total CCDF Cluster</b>			-	<b>2,125,324</b>
<b>WIA Cluster</b>				
U.S. Department of Labor				
Passed through programs from:				
Spartanburg County				
ACHIEVE 2015-16	17.259	14Y603C4-UWIB	-	4,050
Upstate Workforce Investment Act				
ACHIEVE 2015-16	17.259	16Y603C4-UWIB	-	171
ACHIEVE 2015-16	17.259	RISK	-	345,190
<b>Total U.S. Department of Labor</b>			-	<b>349,411</b>
<b>Total WIA Cluster</b>			-	<b>349,411</b>
<b>Highway Planning and Construction Cluster</b>				
U.S. Department of Transportation				
Passed through programs from:				
South Carolina Department of Transportation				
Laurens and Spartanburg Counties Site File Digitalization Project	20.205	1670	-	5,703
<b>Total U.S. Department of Transportation</b>			-	<b>5,703</b>
<b>Total Highway Planning and Construction Cluster</b>			-	<b>5,703</b>

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>U.S. Department of Education</b>				
Strengthening USC Upstate by Investing in Student Engagement and Advising Success	84.031	P031A140156	-	329,862
Rehabilitation Long-Term Training: Expanding the Next Generation of Psychiatric Rehabilitation Professionals	84.129	H129H140008	-	157,209
Vocational Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina (RSA LTT)	84.129	H129W150004	-	73,642
Project POSTS: Preparation of Secondary Transition Specialists	84.325	H325K110505	-	158,284
USC Special Education Program Improvement Project (USC SEPIP)	84.325	H325T110004	-	230,055
Project FOCUS: Preparing Special Education Administrators with a Focus on Research to Practice in Transition	84.325	H325D150006	-	170,291
South Carolina Assistive Technology Program	84.224	H224A140040	-	(4,729)
South Carolina Assistive Technology Program	84.224	H224A150040	-	325,865
FWS Clearing Account - Beaufort	84.999	P033A138840	-	(1,161)
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
Long Term Training: Vocational Rehabilitation	84.129	H129B100022	-	67,367
Graduate Assistance in Areas of National Need (GAANN) Fellowship Program - Chemistry	84.200	P200A120075	-	83,905
Graduate Assistance in Areas of National Need (GAANN)	84.200	P200A120090	-	143,263
Special Education Preservice Improvement 84.325T	84.325	H325T090012	-	30,724
Preparation of Leadership Personnel: Project PALEEIS	84.325	H325D080025	-	759
Preparation of Leadership Personnel: Project SPEARTIP	84.325	H325D090025	-	98,980
Paraprofessionals Preservice Improvement Grant	84.325	H325N100019	-	6,656
Aiken Writing Project SEED Teacher Development	84.367	07-SC12-SEED2012	-	11,825
2014-15 SEED Professional Development in a High-Need School	84.367	92-SC06-SEED2012	-	(5)
2014-15 SEED Professional Development in a High-Need School	84.367	92-SC06-SEED2012	-	9,318
2014-16 NWP SEED Teacher Leadership Development Grant-Midlands Writing Project	84.928	92-SC05-SEED2012	-	1,163
<b>South Carolina Commission on Higher Education</b>				
Life Science Connections	84.367	15250FL56	-	61,267
Learning Through ACCESS	84.367	15250FL61	-	57,245
Geospatial Technology for Geography, Mathematics, and Science	84.367	13540FJ04	-	52,850
Nature-Based Inquiry Utilizing a STEAM Approach (NBI)	84.367	13090FJ13	-	51,317
<b>South Carolina Department of Education</b>				
SC Gateways: From Cradle to Career 2014	84.323	H63010013313	-	139
SC Gateways: From Cradles to Career	84.323	H63010013313	-	153,874
SC Gateways: Preschool Initiative	84.323	H63010013314	-	42,798
STEM Forward: Building High Impact Talent	84.366	H63010008214	-	93,496
STEP: Science Teaching Enhancement Project 2014-15	84.366	H63010008214	-	99,071
STEP: Science Teaching Enhancement Project 2014-15	84.366	H63010008214	-	5,204
STEP: Science Teaching Enhancement Project 2014-15	84.366	H63010008215	-	105,637
STEP: Science Teaching Enhancement Project 2014-15	84.366	H63010008215	-	11,222
STEM Forward: Building High Impact Talent	84.366	H63010008215	-	63,922
Standards Based Integrated Instruction: The Next Step (SBII) Program	84.366	H63010008216	-	64,533
Standards Based Integrated Instruction: The Next Step (SBII) Program	84.366	H63010008216	-	13,100
Project CREATE 2014-15	84.367	H63010100915	-	13,964
Project CREATE	84.367	H63010100915	-	6,953
Project CREATE 2014-15	84.367	H63010100915	-	93,362
Project CREATE	84.367	H63010100915	-	77,580
Evaluation of SC Gateways: From Cradle to Career	84.999	SC DOE	-	133,527
School Climate Profiles of Focus Schools	84.999	H63010100115	-	23,760
<b>The Carolina Consortium for Enterprise</b>				
School Climate Profile Development for the Carolina Consortium for Enterprise Learning	84.999	CAROLINA CONSOR	-	35,283
<b>University of Oregon</b>				
Advancing School Mental Health and PBIS Together (Subcontract)	84.326	224440L	-	35,149
<b>College of Charleston</b>				
Postsecondary Education Subcontract	84.407	520875-USC/P407A100001	-	13,908
<b>Total U.S. Department of Education</b>			-	<b>3,202,434</b>

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Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>U.S. Department of Health and Human Services</b>				
Preventive Medicine and Public Health Training Program	93.117	1D33HP26995-01-00	-	(649)
Preventive Medicine and Public Health Training Program	93.117	SD33HP269950200	-	286,441
Traineeships for Nurse Anesthesia 2015	93.124	15A22HP28622	-	25,487
Ryan White HIV/AIDS Program Part D Grants for Coordinated HIV Services and Access to Research for Women, Infants, Children, and Youth (WICY)	93.153	H12HA28853	-	503,116
Economic Studies of Vaccines and Immunization Policies, Programs, and Practices for Adults	93.185	1H23IP000851-01	22,745	23,452
Screening, Brief Intervention, and Referral to Treatment (SBIRT) Medical Professional Training Program	93.243	14T1025374B	-	330,196
Training for Transitions: Preparedness for Behavioral Health Social Workers (TFT)	93.243	G02HP27995	-	18,121
Training for Transitions: Preparedness for Behavioral Health Social Workers (TFT)	93.243	1G02HP27995-02-00	-	303,311
Geriatric Academic Career Award (2010-2015) Year 5	93.250	K01HP20505-05-00	19,180	19,303
HPV-Mediated Cancer mHealth Prevention Education for Women Living with HIV Pilot Study	93.398	KCA175239A	-	150,602
Biomedical-Behavioral Interface: Prevention and Developmental Sciences Training	93.859	TGM081740B	-	257,574
South Carolina-Advancing Diversity in Aging Research Undergraduate Program	93.866	RAG050484A	-	174,509
Palmetto State Geriatric Education Center Year 5 (Not a new proposal)	93.969	UB4HP19212A0	56,764	153,902
IPA: HRSA-Jihong Liu (Extension)	93.999	IPIPA15HRS144758	-	18,870
IPA: HRSA-Jihong Liu (Extension)	93.999	IPIPA15HRS14475	-	20,025
<b>Passed through programs from:</b>				
<b>Emory University</b>				
South Carolina HIV/AIDS Clinical Training Center	93.145	T236438	-	15,893
South Carolina HIV/AIDS Clinical Training Center	93.145	T236472	-	5,257
<b>Family Connection of South Carolina</b>				
Program Evaluation for Family Connection of South Carolina	93.504	15900FL53	-	13,169
<b>Francis Marion University</b>				
Department of Health and Human Services Grant for a Branch Medical Campus of the SOM in Florence, SC	93.999	18000FJ02	-	867,547
Department of Health and Human Services Grant for a Branch Medical Campus of the SOM in Florence, SC	93.999	FRANCIS MARION	-	(132)
Department of Health and Human Services Grant for a Branch Medical Campus of the SOM in Florence, SC	93.999	FRANCIS MARION	-	3,133
<b>McKing Consulting Corporation</b>				
Development of Communication Strategy for Surgeon General's Call to Action on Walking - Year 2	93.999	USC-02-4568	-	9,812
Developing a 2016 U. S. Report Card on Walking and Walkable Communities	93.999	USC-03-4568	-	19,981
<b>National Council of Juvenile Family Court Judges</b>				
Capacity Building Center for the Courts	93.999	36416-SVU-1	-	29,603
<b>National Network of Libraries of Medicine</b>				
Health Information Access and Technology Enhancement Project at The Heart Center for Eating Disorders at Carolina Children's Home	93.999	HHS-N-276-2011-00004-C	-	5,357
<b>South Carolina Lieutenant Governor's Office on Aging</b>				
Tomando Control de su Salud (Taking Care of Your Health) Program	93.734	90CS0030/01	-	5,083
Tomando Control de su Salud (Taking Care of Your Health) Program	93.734	90CS0030-01	-	800
<b>South Carolina Research Foundation</b>				
Smoking Cessation for Adolescents	93.393	697100-SCRF	-	(667)
South Carolina AETC Telehealth Training Center	93.145	5H4AHA24082-03-00	2,159	2,369
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	5U59DD000945-03	7,091	4,993
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	5U59DD000945-02	-	1
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	5U59DD000945-02	-	12,854
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	000945DD14	-	(13,649)
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	000945DD15-04	20,293	276,606
South Carolina Poison Center Support and Enhancement Project	93.253	H4BHS15545	-	44,261
South Carolina Poison Center Support and Enhancement Project	93.253	H4BHS155450700	-	230,052
HRSA Oral Health Workforce Year Three	93.236	5T12HP24722-03-00	117,279	217,310
PASOs Midlands Parenting Program 2015	93.590	04-14-CBCAP-3	-	20,598
CBCAP-Parenting Program 2016	93.590	S-CBCAP-2016-2	-	31,549
Home CARE + (Health Care Innovation Challenge Award)	93.610	1C1CMS331014-03-00	-	33,622
South Carolina University Center for Excellence in Developmental Disabilities	93.632	90DD0673-03-00	-	2,247
South Carolina University Center for Excellence in Developmental Disabilities	93.632	90DD0673-04-00	-	544,508
CITIA-SC: Creating a Healthier South Carolina Through Health Information Technology	93.718	90RC004701	-	189

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<b>U.S. Department of Health and Human Services, continued</b>				
<b>Passed through programs from:</b>				
<b>Medical University of South Carolina</b>				
Leadership Education in Neurodevelopmental and Related Disorders (LEND) Subcontract	93.110	MUSC11-102	-	1,925
Leadership Education in Neurodevelopmental and Related Disorders (LEND) Subcontract	93.110	MUSC11-102	-	90,102
Pediatric Metrics	93.884	MUSC13-058	-	25,238
<b>South Carolina Campaign to Prevent Teen Pregnancy</b>				
South Carolina Campaign to Prevent Teen Pregnancy - Three County Surveys	93.297	1TP1AH000126-01-00	-	125,300
<b>South Carolina Cancer Alliance</b>				
A Dissemination Project to Advance Lung Cancer Screening in SC	93.393	SC CANCER ALLIA	-	18,805
<b>South Carolina Court Administration</b>				
Court Administration Basic Grant	93.586	2014G996437	-	16,916
Court Administration Basic Grant	93.586	2015G996437	-	53,298
Court Administration Training Grant	93.586	2014G991513	-	27,156
Court Administration Training Grant	93.586	2013G991513	-	130,156
<b>South Carolina Department of Health and Environmental Control</b>				
SC DHEC Bioterrorism Project	93.003	DC-13-011	-	(27)
SC DHEC Bioterrorism Project	93.003	DC-13-011	-	129,117
Evaluation and Training Services for SC DHEC's WISEWOMAN Program	93.094	CY-6-309	-	30,751
ECCS-PASOs Partnership	93.110	CH-5-473	-	27,274
Ryan White Part D Coordinated HIV Services and Access to Research for Women, Infants, Children, Youth, and Their Families (CSWICY) - Women's Clinic (Scope of Work items #1-14)	93.153	HV-5-277	-	34,757
SC DHEC of STD/HIV 14-15	93.153	HV-5-276	-	17,916
Behavioral Risk Factor Surveillance Survey	93.283	4100042303	-	557,868
PASOs Oral Health Initiative - DHEC Contract	93.283	MC-5-634	-	14,754
Childs Health Assessment System (CHAS)	93.724	CY-15-013	-	48,409
Creating Healthy Environments at Child Care Centers in Florence County	93.758	CY-5-578	-	9,651
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	2,004,455	2,524,840
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	(939)
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	4,063
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	143,826
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	1,100,265
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	391,286
Ryan White HIV/AIDS Treatment Extension Act - Part B (Minority AIDS Initiative)	93.917	HV-5-577	-	37,110
Ryan White HIV/AIDS Treatment Extension Act - Part B (Minority AIDS Initiative)	93.917	RISK	-	16,432
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-11-052	-	36,061
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-5-572	-	161,733
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	RISK	-	48,994
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	RISK	-	556,218
Perinatal HIV Prevention: Comprehensive Risk Counseling and Services	93.940	HV-2-728	-	43,590
Perinatal HIV Prevention: Comprehensive Risk Counseling and Services	93.940	HV-2-728	-	40,817
Pregnancy Risk Assessment Monitoring Systems	93.946	4100031742	-	13,668
SC DHEC Maternal and Child Health Title V Needs Assessment	93.994	MC-15-009	-	(581)
Evaluation of SC FitnessGram Project	93.999	CY-15-015	-	7,078
SC DHEC Environmental Public Health Tracking Project	93.999	PH-6-296	-	17,860
<b>South Carolina Department of Health and Human Services</b>				
University of South Carolina School of Medicine Access Improvement / Rural Outreach Initiatives In partnership with South Carolina Office of Rural Health (HHS 1599)	93.223	A20181599A	259,368	900,672
The South Carolina Center of Excellence in Evidence-Based Intervention	93.243	4100064319	-	37,873
Child Welfare Training (2015-2016)	93.643	RISK	-	48,931
Court Liaison Program (1/1/15-12/31/15)	93.643	Task Order CLC4	-	(181)
Court Liaison Program (1/1/15-12/31/15)	93.643	CLC5	6,337	6,697
Court Liaison Program (1/1/15-12/31/15)	93.643	Task Order CLC4	-	(47,895)
Court Liaison Program (1/1/15-12/31/15)	93.643	DSS/HHS	-	(1,128)
Court Liaison Program (1/1/15-12/31/15)	93.643	CLC5	-	5,724
Court Liaison Program (1/1/15-12/31/15)	93.643	CLCI	-	(42,341)
Court Liaison Program (1/1/15-12/31/15)	93.643	CLC#8	-	(2,567)
Court Liaison Program (1/1/15-12/31/15)	93.643	5000011693	-	51,440
Child Welfare Instructional Services	93.648	4400010908	-	1,925,181
Child Welfare Instructional Services	93.648	4400010908	-	708,675
Child Welfare Instructional Services	93.648	4400010908	-	509,845
Child Welfare Instructional Services	93.648	4400010908	-	1,059,611
Child Welfare Instructional Services	93.648	4400010908	-	124,318
Child Welfare Instructional Services	93.648	4400010908	-	477,512
Child Welfare Instructional Services	93.648	4400010908	-	158,850
Children's Justice Act: Operation of the Children's Law Center	93.669	4400010918	-	128,349
DHHS Statewide Business Process Redesign Implementation	93.997	A201511635A	2,130,000	2,164,822
Developmental Evaluation Center Services 2015	93.999	C55755M	-	1,025,848

The accompanying notes are an integral part of this schedule.

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<b>U.S. Department of Health and Human Services, continued</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Department of Health and Human Services, continued</b>				
Academic Detailing for the CHIPRA Quality Demonstration Grant (QTIP Project Extension)	93.999	A51644A	-	(169)
SCDHHS Environmental Scan of SC Healthcare Providers' Adoption and Use of Certified EHR Technology	93.999	A201511647A	15,110	27,811
Academic Detailing for the CHIPRA Quality Demonstration Grant (QTIP Project Extension)	93.999	A20161644A	16,950	101,025
Outpatient Pediatric AIDS Clinic Services FY14-15	93.999	C62746M	-	23,554
<b>South Carolina Department of Social Services</b>				
Children's Law Center: Projects	93.667	4400010978	-	1,667,366
Children's Justice Act: Support of Task Force	93.669	4400010905	-	83,273
Children's Law Center: Child Welfare Training	93.669	4400010919	-	1,423,855
Children's Law Center: Investigations and External Legal Training	93.669	4400010977	-	557,252
<b>Palmetto Project</b>				
Partnerships to Increase Coverage in Communities (PICCI): ACA Navigators	93.332	1NAVACA140191-01-00	17,751	18,794
Palmetto Project ACA Navigators 2015-2016	93.332	11500FL43	-	17,398
<b>Passed through programs from:</b>				
<b>South Carolina Developmental Disabilities Council</b>				
Expansion of the Transition Alliance of South Carolina (TASC)	93.630	04-21-0027	-	724
South Carolina Secondary Transition and Employment Advancement Model (SC-TEAM)	93.630	04-21-0001	-	534
IMPACT SC Self-Advocacy Initiatives	93.630	05-21-0055	-	21,621
Expansion of the Transition Alliance of South Carolina (TASC)	93.630	05-21-0027	-	86,159
South Carolina Assistive Technology Expo 2016	93.630	95-21-0079	-	2,500
<b>South Carolina Office of Rural Health</b>				
Medicare Rural Hospital Flexibility, FLEX Program	93.241	SC OFF OF RURAL	-	4,501
Medicare Rural Hospital Flexibility, FLEX Program	93.241	SC RURAL HLTH	-	1,166
Medicare Rural Hospital Flexibility, FLEX Program	93.241	SC RURAL HEALTH	-	16,466
<b>South Carolina Tobacco Collaborative</b>				
Promotores (Community Health Workers) Curriculum & Cultural Competency Training for Providers	93.311	SC TOBACCO COLL	-	8
<b>The Children's Trust Fund of South Carolina</b>				
Children's Trust Support for Expectant and Parenting Teens, Women, Fathers and their Families (PAF) Program Evaluation	93.500	CHILDREN'S TRUST	-	51,121
Children's Trust Support for Expectant and Parenting Teens, Women, Fathers and their Families (PAF) Program Evaluation	93.500	CHILDREN'S TRUST 2016-USCF1	7,757	109,656
MIECHV-Expansion Children's Trust 2014 - 2015	93.505	11550-FL30	5,000	249,182
MIECHV-Expansion Children's Trust 2014 - 2015	93.505	CHILDREN'S TRUST	4,821	221,566
MIECHV Contract - Formula Funding 2015-2016	93.505	CHILDREN'S TRUST	-	33,529
MIECHV Contract - Expansion Funding 2015-2016	93.505	CHILDREN'S TRUST	-	8,889
Child Abuse Prevention in South Carolina	93.590	CHILDREN'S TRUST	-	3,397
Children's Trust Maternal, Infant, and Early Childhood Home Visiting Program	93.615	CHILDREN S TRUST	5,921	56,121
Children's Trust Maternal, Infant, and Early Childhood Home Visiting Program	93.999	CHILDREN S TRUST	-	95,909
<b>Upper Midlands Rural Health Network</b>				
Upper Midlands Regional Health Network 2014-2017	93.718	UMRHN/HRSA ORHP	-	10,056
Upper Midlands Regional Health Network 2014-2017	93.718	UMRHN/HRSA ORHP	-	5,664
UPPER Midlands Regional Health Network 2014-2017	93.999	UMRHN/HRSA ORHP	-	6,913
UPPER Midlands Regional Health Network 2014-2017	93.999	UMRHN/HRSA ORHP	-	875
<b>Vanderbilt University</b>				
South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - Inter-Professional Education (IPE)	93.145	VUMCS6743	-	61,883
South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - Inter-Professional Education (IPE)	93.145	VUMCS6743	-	67,912
South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - Inter-Professional Education (IPE)	93.145	VUMCS6743	-	99,637
<b>Total U.S. Department of Health and Human Services</b>			<b>4,718,981</b>	<b>25,544,677</b>
<b>U.S. Department of Agriculture</b>				
International Year of Soils (IYS): Video Outreach	10.903	68-7482-14-523	-	2,840
International Year of Soils (IYS): Video Outreach from NSSC	10.903	68-7482-15-517	-	25,000
<b>Passed through programs from:</b>				
<b>Clemson University</b>				
Subaward: A Social Ecological Approach to Encourage and Assist Residents to Eat Smart and Move More in Rural Colleton County	10.500	1754-207-2010372	-	2,894
<b>South Carolina Department of Health and Environmental Control</b>				
PASOs and WIC Partnership Agreement	10.557	CH-5-628	20,000	69,425
<b>South Carolina Department of Health and Human Services</b>				
DSS SNAP - ED Evaluation	10.999	4400010389	-	93,701
DSS SNAP - ED Evaluation	10.999	4400010389	-	122,668
<b>Total U.S. Department of Agriculture</b>			<b>20,000</b>	<b>316,528</b>

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<b>U.S. Department of Defense</b>				
Procurement Technical Assistance Program for Business Firms	12.022	SP4800-14-21482	-	16,043
Procurement Technical Assistance Program for Business Firms	12.022	SP4800-14-21482	-	56,838
NROTC Educational Instruction Calculus and Physics	12.999	US NAVY/DOD	-	483
NROTC Educational Instruction Calculus and Physics	12.999	NG331305RQ44A01	-	1,268
Media Training - Russia	12.999	S-R5500-13GR-182	-	5,462
<b>Passed through programs from:</b>				
<b>Academy of Applied Science</b>				
DOD SC Junior Science and Humanities Symposium 2015	12.300	W900NF10-20076	-	1,671
DoD SC Junior Science and Humanities Symposium 2016	12.630	ACADEMY OF APPL	-	15,895
<b>Naval Hospital Beaufort</b>				
Meeting Executive Order Environmental and Energy Management goals through Navy EMS Integration and BUMED EMX Applications	12.300	W9126G-12-2-0039	-	2,559
<b>Total U.S. Department of Defense</b>			<b>-</b>	<b>100,219</b>
<b>U.S. Department of Housing and Urban Development</b>				
<b>Passed through programs from:</b>				
<b>City of Columbia</b>				
HOPWA Case Management, Mental Health and Substance Abuse Services in the Columbia EMSA	14.999	CITY OF COLUMBIA	-	(365)
HOPWA Case Management, Mental Health and Substance Abuse Services in the Columbia EMSA	14.999	CITY OF COLA	-	450,779
<b>Total U.S. Department of Housing and Urban Development</b>			<b>-</b>	<b>450,414</b>
<b>U.S. Department of Interior</b>				
Operation of the Mid-America Integrated Seismic Network - 2015-2019- USC	15.807	G15AC00022	-	92,397
Preserving Fields of Conflict Battlefield Preservation Workshop	15.926	GA-2287-13-023	-	11,428
Action Plan for the Southern Campaigns of the American Revolution (SCAR)	15.945	P15AC01863	-	6,378
<b>Passed through programs from:</b>				
<b>South Carolina Department of Archives &amp; History</b>				
Administrative Services for ArchSite II	15.904	SCDAH/DOT	-	6,493
South Carolina Archaeology Month Poster 2015	15.904	21300FL12	-	3,200
Administrative Services for ArchSite II	15.904	SC ARCHIVES/HIS	-	28,391
South Carolina Archaeology Month Poster 2016	15.999	SC DEPT ARCHIVE	-	3,355
<b>Total U.S. Department of Interior</b>			<b>-</b>	<b>151,642</b>
<b>U.S. Department of Justice</b>				
SC Higher Education Partnership on Correctional Mental Health (full proposal)	16.751	2014-DP-BX-0001	-	14,762
<b>Passed through programs from:</b>				
<b>City of Columbia</b>				
The Columbia Police Department Smart Policing Initiative	16.751	CITY OF COLUMBIA	-	7,340
<b>South Carolina Department of Public Safety</b>				
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	1JS12004	-	51,745
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	1JS12006	-	20,589
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	RISK	-	21,652
<b>Total U.S. Department of Justice</b>			<b>-</b>	<b>116,088</b>
<b>U.S. Department of State</b>				
<b>Passed through programs from:</b>				
<b>FHI 360</b>				
Study of the U.S. Institutes for Student Leaders from Europe (SUSI)	19.999	102224.000.000	-	51,064
<b>Jessheim Videregaende Skole</b>				
U.S. - Norway Teacher Exchange: 2016 Southern Heritage Study Tour	19.999	15250FL60	-	29,054
<b>South Carolina Research Foundation</b>				
Investigative Journalism Training Program in the Baltics U.S. Mission to Lithuania	19.900	S-LH500-15-GR-087	75,500	256,844
University of South Carolina Journalism School Partnership Project with the Caucasus School of Journalism and Media Management	19.999	S-LMAQM-10-GR-041-VT	-	98,316
<b>Total U.S. Department of State</b>			<b>75,500</b>	<b>435,278</b>
<b>U.S. Department of Transportation</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Department of Public Safety</b>				
Buckle Up South Carolina Observational Survey and Attitudinal Survey	20.614	4100059586	-	(357)
Buckle Up South Carolina Observational Survey and Attitudinal Survey	20.614	4100065529	-	28,439
Buckle Up South Carolina Observational Survey and Attitudinal Survey	20.614	4100065529	-	30,700
<b>Total U.S. Department of Transportation</b>			<b>-</b>	<b>58,782</b>



**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2016**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>Library of Congress</b>				
<b>Passed through programs of:</b>				
<b>National Film Preservation Foundation</b>				
National Film Preservation Foundation Basic Preservation Grant: Gleason Collection	42.999	FED14-028	-	2,437
<b>Total Library of Congress</b>			-	<b>2,437</b>
<b>National and Community Service</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Commission on National and Community Service</b>				
USCAiken AmeriCorps Saturday Academy - SC Commission Grant	94.999	14AC156643	-	38,194
USCAiken AmeriCorps Saturday Academy - SC Commission Grant	94.999	14ACHS0010001	-	139,028
<b>Total National and Community Service</b>			-	<b>177,222</b>
<b>National Endowment for the Humanities</b>				
Plants and Planter: Henry William Ravenel and the Convergence of Science and Agriculture in the Nineteenth Century South	45.149	PW-51607-14	-	18,670
American Civil Wars: The Crisis of the 1860s in the US, Latin America, and Europe	45.161	RZ5152213	-	2,135
America's Reconstruction: The Untold Story	45.163	ES-50571-14	-	95,849
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
South Carolina Newspaper Digitization Project	45.149	PJ-50046-09	-	44,472
Fox Movietone News Digitization Project, Phase 1	45.149	PW-51427-13	-	41,967
<b>South Carolina Humanities Council</b>				
Black Lives Matter: Race Relations in the 21st Century	45.999	15-1601-1	-	8,000
Mystical Sounds of Islam: Voices of Qawwal	45.999	15-1620.2	-	1,530
5th Annual Upcountry Literary Festival (USC Union Campus)	45.999	16-1645-4	-	2,489
The Reconstruction Era: History and Public Memory	45.999	16-1667-1	-	7,349
<b>Total National Endowment for the Humanities</b>			-	<b>222,461</b>
<b>Institute of Museum and Library Services</b>				
<b>Passed through programs of:</b>				
<b>South Carolina State Library</b>				
South Carolina Digital Library: Ongoing Initiative 2014-2015	45.310	IIF-13-01	-	2,787
South Carolina Encyclopedia and Digital Library Come Together Online	45.310	IIF-15-01	-	13,678
<b>Total Institute of Museum and Library Services</b>			-	<b>16,465</b>
<b>National Science Foundation</b>				
REU Site: Undergraduate Research in Physics at the University of South Carolina	47.049	1263047	-	95,562
Twenty-Eighth Cumberland Conference on Combinatorics, Graph Theory, and Computing	47.049	1500991	-	431
Collaborative Research: Equipment for and Running of the PSI Muse Experiment	47.049	PHY-1401974	-	24,461
Enabling the Future: Scholarships in Computational Finance	47.076	DUE-1259283	-	87,056
Developing Master Teachers through the South Carolina Science and Mathematics Teacher Leader (SC-SMTL) program	47.076	DUE-1439842	-	443,858
Developing Master Teachers through the South Carolina Science and Mathematics Teacher Leader (SC-SMTL) program	47.076	DUE-1439842	-	26,112
GEO-Scholar: Broadening undergraduate participation in the geosciences	47.076	1458416	-	1,255
<b>Passed through programs from:</b>				
<b>South Carolina Research Foundation</b>				
University of South Carolina Science and Mathematics Teachers Initiative (USC-SMTI)	47.076	DUE-1035379	758	227,481
University of South Carolina Science and Mathematics Teachers Initiative (USC-SMTI)	47.076	DUE-1035379	-	7,271
Subaward: Winthrop Initiative for STEM Educators (WISE)	47.999	P1400749	-	16,087
<b>Total National Science Foundation</b>			<b>758</b>	<b>929,574</b>
<b>National Archives and Record Administration</b>				
Accessing the New South: A Project to Enhance Access to Manuscript Collections in the South Carolinian Library	89.003	NAR13-RH-50054-13	-	32,962
<b>Total National Archives and Record Administration</b>			-	<b>32,962</b>
<b>Small Business Administration</b>				
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-15-B0042	-	(48,210)
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-14-B-0027/0002	-	6,151
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-15-B0042	-	111,425
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-15-B0042	-	25,000
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	6603001-EZ-0051	-	431,436
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	6603001-EZ-0051	-	280,740
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-16-B-0032	-	943
<b>Total Small Business Administration</b>			-	<b>807,485</b>

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2016**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
<b>U.S. Department of Energy</b>				
<b>Passed through programs from:</b>				
<b>Savannah River Laboratory</b>				
Proposal for Continuation of Contract for DOE-SR Public Reading Room at the University of South Carolina Aiken	81.049	0000121617	-	38,991
<b>South Carolina Research Foundation</b>				
DOE Nuclear Engineering Scholarship and Fellowship Program at USC	81.121	DE-NE0000095	-	12,983
<b>South Carolina Universities Research and Education Foundation</b>				
Earthquake Monitoring in South Carolina	81.999	B139004	-	107,206
Nuclear Energy Advisory Committee (NEAC)	81.999	RISK	-	12,245
Savannah River Environmental Sciences Field Station	81.999	B139031	-	92,442
<b>SRS Community Reuse Organization</b>				
SRSCRO Advancing Nuclear Skills Regionally (ANSR) Salkehatchie	81.999	DE-EM0001232	-	47,335
Development and Implementation of an Enhanced Biology Degree in Environmental Remediation and Restoration	81.999	DE-EM0001232	-	203,479
<b>Total U.S. Department of Energy</b>			-	<b>514,681</b>
<b>U.S. Department of Veterans Affairs</b>				
VA Attending Veterinarian Agreement	64.999	WJB DORN VA	-	17,145
<b>Total U.S. Department of Veterans Affairs</b>			-	<b>17,145</b>
<b>U.S. Department of Homeland Security</b>				
<b>Passed through programs from:</b>				
<b>Florida Dept of Emergency Management</b>				
Web-based Risk Assessment Planning Project for the State of Florida	97.999	AD1553	-	176,839
<b>Total U.S. Department of Homeland Security</b>			-	<b>176,839</b>
<b>U.S. Department of Commerce</b>				
<b>Passed through programs from:</b>				
<b>South Carolina Sea Grant Consortium</b>				
Subcontract to Building Adaptive Capacity in the Southeast and Caribbean through a Climate Community of Practice: A Submission to the Conferences and Workshops Competition	11.417	NA14OAR4170088	-	8,572
<b>Total U.S. Department of Commerce</b>			-	<b>8,572</b>
<b>Total Federal Expenditures</b>			<b>\$ 15,438,495</b>	<b>\$ 509,060,082</b>

The accompanying notes are an integral part of this schedule.

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## University of South Carolina

### *Notes to Schedule of Expenditures of Federal Awards For the year ended June 30, 2016*

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#### **Note 1. Basis of Presentation**

The accompanying schedule of expenditures of federal awards (the schedule), includes the federal grant activity of the University of South Carolina (the University), and is presented on the accrual basis of accounting. 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 University, it is not intended to and does not present the financial position, changes in net position, or cash flows of the University.

#### **Note 2. Summary of Significant Accounting Policies For Federal Award Expenditures**

Expenditures for student financial aid programs include the federal share of students' Federal Supplemental Educational Opportunity Grant (FSEOG) program grants and Federal Work Study (FWS) program earnings, certain other federal financial aid for students and administrative cost allowances, where applicable.

Expenditures for federal research and development programs are determined using the cost accounting principles and procedures set forth in OMB Circular A-21, *Cost Principles for Educational Institutions* or in *Uniform Guidance*, as applicable, wherein, certain 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.

Expenditures for nonfinancial aid awards include indirect costs, related primarily to facilities operation and maintenance and general, divisional and departmental administrative services, which are allocated to direct cost objectives (including federal awards) based on negotiated formulas commonly referred to as facilities and administrative cost rates. Facilities and administrative costs allocated to such awards for the year ended June 30, 2016 were based on predetermined fixed rates negotiated with the University's cognizant federal agency.

#### **Note 3. Federal Perkins Loan Program (CFDA Number 84.038)**

The Federal Perkins Loan (FPL) program is administered directly by the University and balances and transactions relating to the program are included in the University's financial statements. Federal expenditures reported on the face of the schedule include loans outstanding at the beginning of the year, loans made during the year, loan cancellations, interest subsidies and administrative expenses. The balance of loans outstanding under the Federal Perkins Loan Program was \$15,138,541 as of June 30, 2016.

#### **Note 4. Matching**

Under the FWS program, the University matched \$326,060 in total compensation for the year ended June 30, 2016, in addition to the federal share of expenditures in the accompanying schedule.

Under the FSEOG program, the University matched \$300,861 in funds awarded to students for the year ended June 30, 2016, in addition to the federal share of expenditures in the accompanying schedule.



**Independent Auditor's Report on Internal Control Over Financial Reporting  
and on Compliance and Other Matters Based on an Audit of Financial Statements  
Performed In Accordance With *Government Auditing Standards***

The Board of Trustees  
University of South Carolina  
Columbia, South Carolina

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the financial statements of the business-type activities and the aggregate discretely presented component units of the University of South Carolina (the University), as of and for the year ended June 30, 2016, and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated October 25, 2016. Our report includes a reference to other auditors who audited the financial statements of the University of South Carolina School of Medicine Educational Trust; South Carolina Research Foundation; the University of South Carolina Educational Foundation; the University of South Carolina Business Partnership Foundation; the Greater University of South Carolina Alumni Association; the USC Upstate Foundation; the USC Upstate Capital Foundation; and the Educational Foundation of the University of South Carolina-Lancaster, (collectively referred to as the Trust and the Foundations), as described in our report on the University's financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors. The financial statements of the Foundations, excluding the South Carolina Research Foundation, were not audited in accordance with *Government Auditing Standards*.

**Internal Control Over Financial Reporting**

In planning and performing our audit of the financial statements, we considered the University's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinions on the financial statements, but not for the purpose of expressing an opinion on the effectiveness of the University's internal control. Accordingly, we do not express an opinion on the effectiveness of the University's internal control.

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

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. We did identify certain deficiencies in internal control, described in the accompanying schedule of findings and questioned costs as items 2016-001 and 2016-002 that we consider to be material weaknesses.

### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the University's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

### **University's Response to Findings**

The University's response to the findings identified in our audit is described in the accompanying schedule of findings and questioned costs. The University's response was not subjected to the auditing procedures applied in the audit of the financial statements and, accordingly, we express no opinion on it.

### **Purpose of this Report**

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

A handwritten signature in black ink that reads "Elliott Davis Decosimo, LLC". The signature is written in a cursive, flowing style.

Columbia, South Carolina  
October 25, 2016



**Independent Auditor's Report on Compliance for Each Major Federal Program;  
Report on Internal Control Over Compliance; and  
Report on Schedule of Expenditures of Federal Awards  
Required by the Uniform Guidance**

The Board of Trustees  
University of South Carolina  
Columbia, South Carolina

**Report on Compliance for Each Major Federal Program**

We have audited the University of South Carolina's (the University) 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 University's major federal programs for the year ended June 30, 2016. The University's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

The University's basic financial statements include the operations of the South Carolina Research Foundation (the Foundation), which received approximately \$16.8 million in federal awards which is not included in the schedule during the year ended June 30, 2016. Our audit, described below, did not include the operations of the Foundation because the component unit engaged other auditors to perform an audit in accordance with the Uniform Guidance.

***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 University'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 University'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 University's compliance.

### ***Opinion on Each Major Federal Program***

In our opinion, the University 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, 2016.

### **Report on Internal Control Over Compliance**

Management of the University 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 University's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the University'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.

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.

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

We have audited the financial statements of the business-type activities and the aggregate discretely presented component units of the University, a component unit of the State of South Carolina (the State), as of and for the year ended June 30, 2016, and have issued our report thereon dated October 25, 2016, which contained unmodified opinions on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements as a whole. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information has been subjected to the auditing procedures applied in the audit of the 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 schedule of expenditure of federal awards is fairly stated in all material respects in relation to the financial statements as a whole.

A handwritten signature in black ink that reads "Elliott Davis Decosimo, LLC". The signature is written in a cursive, flowing style.

Columbia, South Carolina  
October 25, 2016



**University of South Carolina**  
*Schedule of Findings and Questioned Costs*  
*For the year ended June 30, 2016*

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**I. Summary of Auditor's Results**

**Financial Statements**

- (a.) Type of auditor's report: Unmodified
- (b.) Internal control over financial reporting:
  - 1) Material weaknesses identified? Yes
  - 2) Significant deficiencies identified? None reported
- (c.) Noncompliance material to financial statements noted? No

**Federal Awards**

- (a.) Internal control over major federal programs:
  - 1) Material weaknesses identified? No
  - 2) Significant deficiencies identified? None reported
- (b.) Type of auditor's report issued on compliance for major federal programs: Unmodified
- (c.) Audit findings that are required to be reported in accordance with 2CFR 200.516 (a)? No
- (d.) Identification of major federal programs:

<u>CFDA Numbers</u>	<u>Name of federal program or cluster</u>	
10.RD; 11.RD; 12.RD; 15.RD; 16.RD; 19.RD; 20.RD; 43.RD; 45.RD; 47.RD; 58.RD; 64.RD; 66.RD; 77.RD; 81.RD; 84.RD; 93.RD; 95.RD; 97.RD and 98.RD	Research and Development Cluster	
93.917	HIV Care Formula Grants	
(e.) Dollar threshold used to distinguish between type A and type B programs:		\$3,000,000
(f.) Auditee qualified as low risk auditee?		Yes

**II. Financial Statement Findings:**

**2016-001: Capital Assets**

**Criteria:** Generally accepted accounting principles (GAAP) requires that capital asset activity be accurately recorded in the financial statements.

**Condition:** We noted the following instances related to capital assets:

User Access Audit Trail

- The new PeopleSoft module used to record capital assets, "Asset Module," does not track the preparer or reviewer when edits are made within the module.

Financial Statement Classifications

- Two projects were classified as construction-in-progress (CIP) but were complete and should have been classified as buildings and improvements as of June 30, 2016.
- Depreciation of approximately \$4.1 million for land improvements was not correctly classified in the "Asset Module" of PeopleSoft leading to an incorrect financial statement presentation.
- The initial capital asset rollforward provided by the Controller's Office equally overstated the additions and reductions to various capital asset categories due to transfers and adjustments posted during the PeopleSoft implementation. In addition, the loss on disposal of capital assets per the statements did not tie to the initial capital asset rollforward by approximately \$1.3 million.

Financial Statement Adjustments

- Four CIP projects had overstated costs totaling approximately \$4.1 million. Costs were overstated because a fiscal year 2015 accounts payable entry was double counted. Of these four projects, two projects were subsequently capitalized during fiscal year 2016 which also caused overstatement of depreciation expense.
- Ten assets identified for disposal by Consolidated Services were not properly recorded as disposed of in the "Asset Module."
- Subsequent to the PeopleSoft implementation, approximately \$538,000 in support costs were incorrectly capitalized.

**Context:** We noted the above condition during testing of capital assets. Our procedures included testing additions, disposals, depreciation and evaluation for impairment.

**Effect:** The above conditions present a significant risk of capital assets being materially misstated.

**Cause:** Lack of adequate review around the University's capital asset activity and balances.

**Recommendation:** We recommend that the University implement procedures to ensure that capital asset activity is properly monitored, recorded and reviewed throughout the year.

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## University of South Carolina

### Schedule of Findings and Questioned Costs

For the year ended June 30, 2016

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#### **2016-001: Capital Assets, Continued**

**Views of responsible officials and planned corrective actions:** Management agrees with the finding and recommendation. With the implementation of the new finance system during the 2016 fiscal year, the Controller's Office recorded some reclassifications in order to align the Financial Statements with the Asset Module. These reclassifications did not affect the ending balances in Capital Assets but were necessary to accurately record asset information in the new system. The Capital Asset Module was not fully implemented and functional until March 2016. Disposals and construction-in-progress (CIP) were not a part of the original implementation and therefore were not integrated in the new system. The Controller's Office acknowledges the risk of errors in recording information manually and procedures are now in place to review and analyze entries on a monthly basis. The Controller's Office will continue to refine the processes within the Capital Asset Module ensuring that all entries and adjustments are prepared and reviewed independently. Implementation of the disposals and CIP within the system will be completed by March 31, 2017. The new Capital Asset Module provides a higher level of analysis and is more transparent than in previous years. The Controller's Office will ensure all capital asset activity and balances are reviewed, along with disposals and CIP, as a part of the month-end and year-end processes.

#### **2016-002: Grants Revenue and Accounts Receivable**

**Criteria:** GAAP requires that grant revenue and grant receivables be accurately recorded in the financial statements.

**Condition:** We identified an approximate \$8.8 million adjustment related to reimbursable costs that had been incurred but not recorded as federal grant revenue and accounts receivable. We also noted an approximate \$1.2 million passed adjustment to record nonfederal grant revenue and accounts receivable.

**Context:** We noted the above condition during an analytical comparison of federal grant revenues to federal expenditures.

**Effect:** Grant revenue and accounts receivable were understated by approximately \$10 million.

**Cause:** Procedures relating to the recording of grants revenue and the related receivables were not followed.

**Recommendation:** We recommend that the University implement procedures to ensure proper recording and review of grant revenue and accounts receivable.

**Views of responsible officials and planned corrective actions:** Management agrees with the finding and recommendation. The Controller's Office quantified the condition and provided a financial statement adjustment to correct this. Action has been taken to amend business practices to include a monthly review of grant activity by the accounting managers to detect unbilled transactions. Reporting tools have been developed to aid in the analysis of grant revenues versus expenditures, and to identify over-the-limit transactions. The new procedures have been communicated to the grant accountants with a requirement that each review customer contracts and increase billing limits, as appropriate, each month.

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**University of South Carolina**  
*Schedule of Findings and Questioned Costs*  
*For the year ended June 30, 2016*

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**III. Federal Award Findings and Questioned Costs:**

None reported

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**University of South Carolina*****Summary Schedule of Prior Audit Findings******For the year ended June 30, 2016***

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In accordance with *Government Auditing Standards*, issued by the Comptroller General of the United States, the following is the status of known material findings and recommendations from prior year audits:

None reported