

University of South Carolina

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

For the year ended June 30, 2017

University of South Carolina

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

	<u>Page</u>
Schedule of Expenditures of Federal Awards.....	1
Notes to Schedule of Expenditures of Federal Awards.....	31
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 <i>Government Auditing Standards</i>	33
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	35
Schedule of Findings and Questioned Costs	38
Summary Schedule of Prior Audit Findings	43

University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
Research and Development Cluster				
National Academy of Sciences				
Passed through programs from:				
University of South Carolina Research Foundation				
Phase II - University-Industry Demonstration Partnership	00.RD	2000003311	\$ -	\$ (403)
Total National Academy of Sciences			<u>-</u>	<u>(403)</u>
U.S. Department of Agriculture				
Evaluation of Farm to Institution Programs (Specialty Crop Block Grant)	10.RD	11580FL23	-	9,567
Evaluation of Farm to Institution Programs (Specialty Crop Block Grant)	10.RD	11580FL24	1,185	12,310
Evaluation of Farm to Institution Programs (Specialty Crop Block Grant)	10.RD	11580FL25	-	14,251
A Comparative Approach to Identify Functional Amino Acid Response Elements of Genes Controlling Ovarian Function	10.RD	2014-67016-21723	5,718	75,160
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	-	54,931
Perennial Biomass Crop Establishment and Environmental Impact in the Midwestern, United States	10.RD	2012-67009-22137	9,329	10,953
Molecular Characterization of Regulatory Factors Involved in Aspergillus flavus Development, Secondary Metabolism and Survival	10.RD	58-6054-5-031	-	10,858
The Food Insecurity Experience Scale and Household/Individual Correlates of Food Insecurity	10.RD	58-3000-5-0035	-	27,791
To Provide Technical Assistance and to Promote Soil Health Through the Conservation Stewardship Program	10.RD	68-4639-15-528	-	36,267
Identifying Maimaiga Source Strength	10.RD	16-CA-11420004-129	-	20,654
Phase 1: Comprehensive Social Media Platform to Advance Soil Health in South Dakota	10.RD	68-6740-16-513	-	187,654
Using Cover Crops and Soil Health to Reduce Crop Stress and Aflatoxin Contamination	10.RD	69-4639-16-269	-	18,097
TOXIMAP: Computational Framework for Prediction of Geographical and Temporal Incidence of Mycotoxins in US Crop Fields	10.RD	2017-67017-26167	-	5,032
TOXIMAP: Computational Framework for Prediction of Geographical and Temporal Incidence of Mycotoxins in US Crop Fields	10.RD	2017-67017-26167	-	30,572
Passed through programs from:				
Connecting Health Innovations, LLC				
Developing the Use of the Dietary Inflammatory Index among Children (C-DII)	10.RD	C-DII8152016	-	25,601
Purdue University				
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	-	11,240
Richland Soil and Water Conservation District				
Using CO2 Burst Tests to Measure On-Farm Plant Available Nitrogen from Cover Cropped Soils in South Carolina	10.RD	69-4639-13-0020	-	1,787
University of South Carolina Research Foundation				
Distributed On-Farm Bioenergy, Biofuels and Biochemicals (FarmBio3) Development and Production via Integrated Catalytic Thermolysis	10.RD	59-1935-3-001	-	39,549
COPAScities: Childhood Obesity Prevention in SC Communities	10.RD	2012-69001-19615--EXTENDE	-	412,707
South Carolina Department of Agriculture				
Leveraging Social Media to Augment Certified South Carolina by Millennial Consumers	10.RD	15-FSMIP-SC-0006	-	12,802
Dillon County Soil & Water Conservation District				
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	-	24,215
Hub City Farmers Market				
SNAP Marketing - Sub to Hub City Farmer's Market	10.RD	SNAP-FSUP-15-SC	-	10,580
Total U.S. Department of Agriculture			<u>16,232</u>	<u>1,052,516</u>
U.S. Department of Commerce				
Building Adaptive Capacity in the Carolinas: The Carolinas Integrated Sciences & Assessments (CISA) Program	11.RD	NA16OAR4310163	11,034	21,965
EDA 2012 University Centers Grant : Innovista Center for Product Realization	11.RD	04-66-06677	-	16,798
EDA 2012 University Centers Grant : Innovista Center for Product Realization	11.RD	04-66-06677	-	121,604
Indicators and Indices of Drought in Southeastern Coastal Ecosystems	11.RD	NA130AR4310173	-	31,023
North Inlet - Winyah Bay National Estuarine Research Reserve	11.RD	NA14NOS4200054	-	29,674
Continuing Support of the NERR Centralized Data Management Office	11.RD	NA16NOS4200125	-	843,829
Continuing Support of the NERR Centralized Data Management Office	11.RD	NA14NOS4200138	-	23,085
Attracting Retirees and Pre-retirees to Rural South Carolina	11.RD	04-88-07078	-	6,596
Continuing Support of the NERR Centralized Data Management Office	11.RD	N15NOS4200136	-	161,298
North Inlet-Winyah Bay National Estuarine Research Reserve	11.RD	NA15NOS4200120	-	12,584
The North Inlet-Winyah Bay National Estuarine Research Reserve	11.RD	NA16NOS4200074	-	553,878
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	2,440	112,633
Passed through programs from:				
University of South Carolina Research Foundation				
Developing a Low Impact Development Manual for Coastal South Carolina to Serve as Guidance for Improved Stormwater Management	11.RD	13-013	-	-
Integrated Modeling for the Assessment of Ecological Impacts of Sea Level Rise	11.RD	16206031-5	-	(9)
MERHAB 2009: Comparative Analysis of Quantitative Detection Methods for Enumeration of HAB Species: Applications for Resource Management	11.RD	NA10NOS4780141	-	(3,407)
Carolinas Integrated Sciences and Assessments	11.RD	NA11OAR4310148	113,266	21,458
Carolinas Integrated Sciences and Assessments	11.RD	NA11OAR4310148	-	749,059
Carolinas Integrated Sciences and Assessments	11.RD	NA11OAR4310148	-	51,798

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, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Commerce, continued				
Passed through programs from:				
South Carolina Sea Grant Consortium				
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	-	3,180
Vibrio Parahaemolyticus Virulence and Its Magnification in the Eastern Oyster, Crassostrea Virginia	11.RD	N256	-	9,135
Clonal Aging and the Molecular Basis for Sudden Marsh Dieback	11.RD	N250	-	462
Multi-scale Satellite Remote Sensing for Salt Marsh Mapping	11.RD	SC SEA GRANT	-	9,708
How Does Coastal Development Impact Groundwater Inputs to Estuarine Tidal Creeks	11.RD	N463 (R/CP-21)	-	11,067
Subcontract to Building Regional Resilience to Water-Related Hazards in the Charleston, SC Region: A Charleston Resilience Network Initiative	11.RD	R/CRN-1a	-	14,647
Determining Sedimentation Rates in Stormwater Detention Ponds to Improve Life-Cycle Cost Assessments Associated with Maintenance Dredging	11.RD	N465 (R/ER-48)	-	12,895
Development of a New Molecular Tool to Rapidly Detect and Quantify Harmful Algal Blooms (HABs) Caused by Cyanobacteria: Environmental and Public Health	11.RD	N464 (R/ER-47)	-	21,112
Hydrology and Pollutant Removal Performance in Detention Ponds Typical of the Lower Coastal Plain of South Carolina	11.RD	N252	3,482	17,772
Determining Sedimentation Rates in Stormwater Detention Ponds to Improve Life-Cycle Cost Assessments Associated with Maintenance Dredging	11.RD	N365 (R/ER-48)	-	48,583
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)	-	29,708
How Does Coastal Development Impact Groundwater Inputs to Estuarine Tidal Creeks	11.RD	N363 (R/CP-21)	-	58,383
The Regents of University of Michigan				
A Collaborative Science Program for the National Estuarine Research Reserve System: With End Users Throughout the Applied Research Process	11.RD	3003300692	-	110,150
South Carolina Department of Natural Resources				
Evaluating Living Shorelines to Inform Regulatory Decision-Making in South Carolina	11.RD	SCDNR FY2016-017	-	23,685
Southeast Coastal Ocean Observing Regional Association				
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	6,904	19,439
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	-	(1,339)
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	-	25,032
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.DP.DMAC.5	-	54,290
Southeast Coastal Ocean Observing Regional Association (SECOORA): Supporting Resilient Ecosystems, Communities and Economies: Operate and Maintain University of South Carolina IOOS Priority High Frequency Radars in SECOORA	11.RD	IOOS.16(028)USC.OBS.1	-	58,995
Southeast Coastal Ocean Observing Regional Association (SECOORA): Supporting Resilient Ecosystems, Communities and Economies: Operate and Maintain University of South Carolina IOOS Priority High Frequency Radars in SECOORA	11.RD	IOOS.16(028)USC.DP.MOD.1	5,622	72,005
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	-	40,703
University of the Virgin Islands				
NOAA MARFIN and CRP: Assessment of Maturity in Commercially and Recreationally Important Reef Fishes from the U.S. Virgin Islands and Puerto Rico	11.RD	719583-712683	-	9,272
Identifying & Defining Management Areas for Queen Triggerfish and Mutton Snapper Spawning Aggregation sites in the US Virgin Islands and Assessing Effectiveness of Area Closures	11.RD	RNNOAAUSC001	-	1,918
University Corp for Atmospheric Research				
NIDIS Carolinas DEWS program	11.RD	Z16-24906	-	17,278
Improving Drought Loss Accounting in SHELUDS	11.RD	Z15-21827	-	23,444
Total U.S. Department of Commerce			142,748	3,445,390

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U.S. Department of Defense				
Response of the Bay of Bengal to the Atmospheric Intraseasonal Oscillations	12.RD	N00014-17-1-2468	-	9,620
Five Late Discoveries, U.S. Army Garrison, Fort Jackson, South Carolina	12.RD	W9126G-14-20060	-	368
Assessment of Training Approaches for VA Staffing Methodology	12.RD	WJB DORN VA MED	-	(4)
Accelerating Peripheral Nerve Regeneration through Spatial Signaling	12.RD	W81XWH-13-10308	32,465	89,230
ESRDC - Designing and Powering the Future Fleet	12.RD	N00014-14-10165	92,548	1,209,824
ESRDC - Designing and Powering the Future Fleet	12.RD	N00014-14-10165	-	205,172
ESRDC - Designing and Powering the Future Fleet: Additional Task 1.4.3 Concept Refinement	12.RD	N00014-14-10668	-	(112)
Generic objects and their automorphisms (151011)	12.RD	H98230-16-1-0309	-	19,413
High-Speed, Scalable, System Level, Real-Time Simulation	12.RD	N00014-16-1-3042	-	67,616
Historic Context Development for Cultural Resources Program, Fort Jackson, SC	12.RD	W9126G-16-2-0017	-	16,100
Physics of Materials Based Predictive Methodology for AE Signals ID Validated by Experiments under Various Operational and Environmental Conditions	12.RD	N00014-14-10655	-	15,223
Predicting Long-term Salt Marsh Response to Episodic Sediment Deposition Events Under Sea-level Rise	12.RD	W912HZ-16-2-0019	-	1,199
Predictive Sensing of Aerospace Composite Structures	12.RD	FA9550-16-1-0401	-	44,972
Quantifying Multi-Scale Response of Engineered and Energetic Materials during Aggressive Conditions	12.RD	FA9550-14-1-0209	-	100,752
Southeastern Number Theory Meetings	12.RD	H98230-16-1-0247	-	81
Spectral, Probabilistic, and Information-theoretic Analysis for Graphs and Hypergraphs	12.RD	N00014-13-1-0717	-	(116)
Statistically Based Morphodynamic Modeling of Bedload Transport, Erosion and Deposition: From the Grain to the Lab Scale	12.RD	W911NF-16-1-0337	19,108	49,921
The Social Structural Foundations of Reputation, Cooperation and Prosocial Behavior	12.RD	W911NF-15-1-0131	25,993	102,043
Ultrasonic NDE/SHM Equipment for Advanced Materials and Structures	12.RD	FA2386-13-13014	-	(1,341)
Polynomial Research in Number Theory	12.RD	H98230-15-10017	-	1,785
Artifact Curation for the Charlesfort/Santa Elena Archaeological Collection	12.RD	M00263-14-P0116	-	35,554
A New Generation of Acoustic Emission Smart Sensors	12.RD	N00014-15-1-2102	-	44,213
Development of Universal Controller Architecture for SiC Based Power Electronic Building Blocks	12.RD	N00014-15-1-2346	-	125,715
Development of Universal Controller Architecture for SiC Based Power Electronic Building Blocks	12.RD	N00014-15-1-2346	-	82,468
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	-	101,496
Fort Jackson Digital Archives and Curation Evaluation	12.RD	W9126G-15-2-0047	-	907
Bubble/Vapor Slug Dynamics in a Confined Domain	12.RD	N00014-16-1-2307	-	125,688
Bubble/Vapor Slug Dynamics in a Confined Domain	12.RD	N00014-16-1-2307	-	29,576
Singular Curves and Their Moduli Spaces	12.RD	H98230-15-1-0264	-	20,089
Analytic Methods in Arithmetic Statistics	12.RD	H98230-16-1-0051	-	3,924
Analytic Methods in Arithmetic Statistics	12.RD	H98230-16-1-0051	-	16,538
Passed through programs from:				
University of Delaware				
High Performance Polymer Ballistic Fiber/Fibril Modeling	12.RD	45239	-	50,000
Universal Technology Corporation				
Integration of NMR Interpretation Tool in Surrogate Formulation and High Pressure Laminar Flow Reactor for Species Diagnostics in Jet Fuel Combustion	12.RD	17-7900-0006-03-C2	-	75,666
University of South Carolina Research Foundation				
Highly Effective Compression and Evaluation of Geodetic Quantities	12.RD	HM01771210004	-	142,185
Synthetic Lectins: New Tools for Detection and Management of Prostate Cancer	12.RD	W81XWH-12-10280	-	(37,347)
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	-	(371)
Towards Water-Free Biologics	12.RD	W911NF-11-1-0251	-	18,056
Multiscale Mathematics for Nano-Particle-Endowed Active Membranes and Films	12.RD	FA9550-12-10178	-	(4,295)
South Carolina National Guard				
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	-	(1,477)
Concurrent Technology Corporation				
ONR Corrosion FNC Repair Tool	12.RD	150200016	-	125,201
Virginia Tech University				
The Effect of Humidity and Partide Composition on Partitioning of Volatile Organic Compounds	12.RD	45038819545	-	103,528
Universal Technology Corporation				
Reconfigurable Pixel Based Conformal Load Bearing Antenna Structures (CLAS)	12.RD	15-S2606-04-C18	-	57,591
Defense Threat Reduction Agency				
Uncovering and Penetrating CBRN Networks: A General Methodology for Mapping Covert Social Networks	12.RD	HDTRA1-15-1-0065	-	63,528
GTD Unlimited				
System of Systems Control Interactions	12.RD	HQ0147-16-C-7606	-	29,568
Northeastern University				
Beyond the Cultural Horizon: Mapping Relational Norms Within Social Networks	12.RD	504082-78050	-	111,146
Brainscope Company, Inc.				
Objective Brain Function Assessment of mTBI from Initial Injury to Rehabilitation and Treatment Optimization	12.RD	04-2015 Sports	-	1,678
Objective Brain Function Assessment of mTBI from Initial Injury to Rehabilitation and Treatment Optimization	12.RD	04-2015 Sports	-	56,562
Objective Brain Function Assessment of mTBI from Initial Injury to Rehabilitation and Treatment Optimization	12.RD	12-2016 CAS VAL	-	3,727

The accompanying notes are an integral part of this schedule.

University of South Carolina
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For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Defense, continued				
Passed through programs from:				
Correlated Solutions				
Developing a Robust, Non-contacting, Digital Image Correlation Based Full-field Strain Measurement System for High Temperature Applications	12.RD	FA8650-15-M-2600	-	18,763
Accelennt Technologies, Inc.				
Explaining Precursor to Damage State in Composites at Multiple Length Scale using Quantitative Ultrasonic and SEM	12.RD	W911QX-15-C-0044	-	922
Booz Allen Hamilton				
Conformal Multi-functional Structural Antenna	12.RD	15530FB73	-	90,253
Brown University				
Fractional PDEs for Conservation Laws and Beyond: Theory, Numerics and Applications	12.RD	00001032	-	47,005
Fractional PDEs for Conservation Laws and Beyond: Theory, Numerics and Applications	12.RD	No. 00000851	-	54,163
Intelligent Automation, Inc.				
Predictive Condition-Based Maintenance for High-Powered Phased Array Radar Systems	12.RD	2201-3	-	28,050
George Mason University				
Co-Arg: Cogent Argumentation System with Crowd Elicitation	12.RD	E2040772	-	37,111
Florida State University				
Electric Ship Research and Development (ESRDC FY17-21)	12.RD	R01851	-	268,200
Electric Ship Research and Development (ESRDC FY17-21)	12.RD	R01851	-	20,843
Total U.S. Department of Defense			170,114	3,878,170
U.S. Department of Interior				
South Carolina Civil Rights Teacher Institute	15.RD	24623	-	12,616
Service Analysis of Seawater Samples from the Davis Strait	15.RD	G15PX01601	-	7,499
Optimization of Marsh Restoration for Storm Surge Abatement and Sea Level Rise	15.RD	F14AC01068	41,524	86,052
Archaeological Research and Educational Program for the Southern Campaigns	15.RD	P13AC00443	-	12,367
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	-	17,590
Sediment Trapping Program in the Gulf of Mexico	15.RD	G17PX00135	-	4,564
Developing Pattern Recognition Software to Reconstruct Prehistoric Native American Pottery Designs	15.RD	P16AP00373	-	17,011
Development of Interdisciplinary Curriculum-Based Lesson Plans for Grades K-8 at Congaree National Park	15.RD	P13AC00443	-	17,129
Boundary Definition and GPS Mapping: Parker's Ferry Battlefield	15.RD	GA-2287-15-024	-	490
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	-	89,397
Passed through programs from:				
South Carolina Sea Grant Consortium				
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	-	24,335
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	-	(2,864)
Atlantic Offshore Wind Energy Development: Geophysical Mapping, Oceanographic Data Collection, and Identification of Paleolanscapes and Historic Shipwrecks Offshore South Carolina	15.RD	M15AC00001	-	5,400
Atlantic Offshore Wind Energy Development: Geophysical Mapping, Oceanographic Data Collection, and Identification of Paleolanscapes and Historic Shipwrecks Offshore South Carolina	15.RD	M15AC00001	-	41,836
Atlantic Offshore Wind Energy Development: Geophysical Mapping, Oceanographic Data Collection, and Identification of Paleolanscapes and Historic Shipwrecks Offshore South Carolina	15.RD	M15AC00001	-	21,441
South Carolina Department of Archives and History				
Charleston Harbor Stone Fleets Survey	15.RD	SC DAH/NPS/DOI	-	3,773
South Carolina Department of Natural Resources				
South Carolina Continental Shelf Seismic Data Extraction for Offshore Sand Resources: Data Inventory, Digital Data Conversion, and Needs Assessment	15.RD	SCDNR FY2017-015	-	2,132
South Carolina Research Foundation				
Synthesis of High and Low Marsh Habitat Mapping and Responses to Sea-Level Rise in the South Atlantic Region	15.RD	A130120-S002	-	891
Sediment Trapping Program in the Gulf of Mexico	15.RD	G11PX01039	-	3,077
Assess the Distribution and Status of Champion Trees at Congaree National Park, CESU	15.RD	H5000085100	-	5,749
Clemson University				
Human and Ecological Health Impacts Associated with Water Reuse: Engineered Systems for Removing Priority Emerging Contaminants	15.RD	1827-216-2021030	70,096	121,522
North Carolina State University				
Conservation Adaptation Planning for Landscape and Climate Changes in the Southeast	15.RD	2014-3086-01	-	104,431
The Santee Accord				
Relative Contributions of Hatchery Derived and Transported to the Santee-Cooper River Basin American Shad (Alosa sapidissima) Population	15.RD	SANTEE ACCORD	-	(622)
Relative Contributions of Hatchery Derived and Transported to the Santee-Cooper River Basin American Shad (Alosa sapidissima) Population	15.RD	THE SANTEE ACCO	-	(197)
Total U.S. Department of Interior			111,620	595,619

University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Justice				
Chief Research Advisor to examine and develop effective researcher/practitioner partnerships in law enforcement.	16.RD	2016ADR8228	-	36,022
Youth Violence and Victimization: Predicting Responses to Peer Aggression	16.RD	2016-R2-CX-0056	-	14,102
Interconnecting PBIS and School Mental Health to Improve School Safety: A Randomized Trial	16.RD	2015-CK-BX-0018	814,913	1,110,798
An Evaluation of a Social Interaction Training Program to Reduce the Use of Force and Build Legitimacy	16.RD	2016IJ-CX-0018	106,155	137,670
Passed through programs from:				
City of Columbia				
Columbia Police Department's Smart Policing Initiative: Continued Evaluation	16.RD	CITY OF COLUMBIA	-	29,316
Medical University of South Carolina				
Internet Crimes Against Children: Development of a Typology of Offenders for Use in Prevention, Investigations, and Treatment	16.RD	MUSC11-062	-	717
Internet Crimes Against Children: Development of a Typology of Offenders for Use in Prevention, Investigations, and Treatment	16.RD	MUSC12-060	-	(3)
South Carolina Research Foundation				
Multimode Imaging in the Thermal Infrared: Validation for Blood, Extension to Latent Prints	16.RD	2011-IJ-CX-K055	-	(13,842)
The Impact of Incarceration on Families: A Single-Jurisdiction Pilot Study Using Triangulated Administrative Data and Qualitative Interviews	16.RD	2012-IJ-CX-0034	-	128,652
Evidence-Based Solutions to Reduce Law Enforcement Officer Vehicular Crashes	16.RD	2012-DB-BX-K002	-	(13,463)
Total U.S. Department of Justice			921,068	1,429,969
U.S. Department of State				
Justice Sector Training, Research, and Coordination Program (JusTRAC)	19.RD	S-INLEC-14-CA-1034	-	1,102,217
Justice Sector Training, Research, and Coordination Program (JusTRAC)	19.RD	S-INLEC-14-CA-1034	-	6,701
Passed through programs from:				
FHI360				
Study of U.S. Institutes for Student Leaders from Europe	19.RD	S-ECAGD-CA-1060	-	29,105
IREX-ULP				
Capacity-Building in Faculty Instructional Strategies in Water Resources and Environmental Engineering	19.RD	FY16-IULP-USC-01	-	789
Total Department of State			-	1,138,812
U.S. Department of Transportation				
High-Strength Reduced-Modulus High Performance Concrete (HSRM-HPC) for Prestressed Concrete Tie Applications	20.RD	DTRF53-14-C-00023	-	213,060
Passed through programs from:				
South Carolina Department of Archives and History				
ArchSite IIB: Research and Support for Web-Based Archaeological & Historical Site Geodata	20.RD	SCDAH/DOT	-	25,018
Universal Enrollment Services				
Robust Feature Tracking Through Serial Section Microstructural Image Data	20.RD	S-109-233-001	-	20,013
Clemson University				
Center for Connected Multimodal Mobility	20.RD	1919-211-2021810	-	187
SCDOT Asset Allocation	20.RD	1796223-2010467	-	23,137
Integration of the Incident Command System (ICS) Protocol for Effective Coordination of Multi-Agency Responses to Traffic Incidents	20.RD	16322232008983	-	-
Operational and Economic Analysis of Access Management	20.RD	1789-223-2010325	-	13,017
Cost Effective Strategies for Estimating Statewide AADT	20.RD	1804-223-2010468	-	46,311
Columbia Urban League, Inc.				
University of South Carolina and Columbia Urban League	20.RD	15900FA50	-	(1,212)
Total U.S. Department of Transportation			-	339,531
Library of Congress				
Passed through programs of:				
Teaching with Primary Sources - University of South Carolina	42.RD	LIBRARY OF CONGRESS	-	45,473
National Film Preservation Foundation				
National Film Preservation Foundation Basic Preservation Grant: Buffington Collection	42.RD	FED13-041	-	7,550
NFPF Basic Film Preservation Grant for Weir Family Home Movies, 1930s to 1950s	42.RD	FED16-032	-	2,250
Total Library of Congress			-	55,273

University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
National Aeronautics and Space Administration				
2C22 - TC3 - Design for Manufacturing (DFM) Software Development	43.RD	C16-2A38-USCAR	-	19,087
Comparative Study of Available Water in the Major River Basins of the World	43.RD	NNX15AN39G	-	27,242
Connecting the Interstellar Gas and Dust Properties of Distant Galaxies	43.RD	NNX14AG74G	32,219	69,985
Determination of Available Water Capacity for the Mekong River Basin using Model, Satellite and Ground Observations	43.RD	NNX14AO056	-	12,050
Effect of External Thermo-Convective Perturbation on Cool Flame Dynamics: A Multidimensional Multi-Physics CFD Analysis	43.RD	NNX17AF97A	-	11,612
Improved Hydrologic Decision Support for the Lower Mekong River Basin Through Integrated Remote Sensing and Modeling	43.RD	NNX16AT86G	-	21,764
Mathematical Modeling and Simulation of Spacebased Droplet Combustion - Scientific Support to the FLEX1 and FLEX2 Program	43.RD	NNX14AG46A	-	67,550
Miniature Spatial Heterodyne Time-Resolved Raman Spectrometer (SRHS) for Planetary Surface and Subsurface Boreholes Mineralogy	43.RD	NNX14AI34G	92,811	173,429
Multi-scale Computational Non-destructive Evaluation (NDE) for Composites	43.RD	NNL15AA16C	-	367,316
Oxygen Recovery via Carbon Dioxide Electrolysis with Microtubular Solid Oxide Cells	43.RD	NNX14AB26G	-	90,428
TC2 2C21: Rapid Inspection	43.RD	C16-2A38-USCAR	-	15,967
TC3 2C24: Closed -Loop Control of AFP Heating	43.RD	NNL09AA00A	-	18,773
Unmanned Aircraft Systems (UAS) Research: Beyond Line of Sight (BLOS) UAS Communications	43.RD	NNX16AK45G	-	221,102
Passed through programs from:				
College of Charleston				
Controls on Floodplain Circulation Defined by In Situ Observations, Numerical Simulations and Remote Sensing	43.RD	521253-USC	-	55,873
Controls on Floodplain Circulation Defined by In Situ Observations, Numerical Simulations and Remote Sensing	43.RD	521253-USC	-	13,103
Controls on Floodplain Circulation Defined by In Situ Observations, Numerical Simulations and Remote Sensing	43.RD	521253-USC	-	26,504
EPSCoR/IDEA State Committee Distribution - NASA EPSCoR	43.RD	521000-USC	-	197,743
Explore a Unified, Ultra-efficient, and Gravity-insensitive Flow Boling Regime for Space Missions	43.RD	521154-USC	42,177	186,327
USC SC Space Grant Consortium Award	43.RD	521179-CD-USC	-	1,032
Rapid Inspection of Long Range Defects in Composite Structures Through Non-contact Ultrasonic Guided Wave Smart Array	43.RD	521192-USCYu	-	5,186
Rare and Peculiar Stellar Explosions with the Next Generation of Space Telescopes	43.RD	521192-USCRODNEY	-	893
Remote Geochemical Analysis under Venus Atmospheric Pressure using Raman and Laser-Induced Breakdown Spectroscopy (LIBS)	43.RD	521179-RP-USCAngel	-	14,924
The Chemical Evolution of Galaxies and the Relevant Atomic Physics (Assistantship for Frances Cashman)	43.RD	521179	-	12,000
The Role of Salinity on the Agulhas Current System using NASA's SMAP and Aquarius	43.RD	521179-RP-USCBulusu	-	6,000
Transforming Introductory Astronomy at USC	43.RD	521179-RP-USCRodney	-	2,000
Jacobs Technology, Inc				
Development of a TSA Process for CO2 Removal Using a Structured 13X Adsorbent	43.RD	NNM12AA41C/PO 16N0710	-	131,643
New PSA Cycle for CO2 Removal and Concentration during Closed-Loop Human Space Exploration Missions	43.RD	NNM12AA41C	-	14,613
Novel Pressure Swing Adsorption (PSA) Cycle to Facilitate Heavy Component (CO2) Enrichment and Recovery	43.RD	15N0052	-	(22)
Applied Poleramic Inc				
SBIR Phase II: Infusion Resins for Automated Dry Fiber Placement Products	43.RD	15540FD18	-	41,974
Space Telescope Science Institute				
Probing Structure in Cold Gas at z <~ 1 with Gravitationally Lensed Quasar Sightlines	43.RD	HST-GO-13801.001-A	-	19,929
Spectral Energies, LLC				
Compact Kinetic Mechanisms for Petroleum-Derived and Alternative Aviation Fuels	43.RD	SB1503-001-3	-	73,009
National Institute of Aerospace				
TC1 2C18: Progressive Damage Analysis	43.RD	C16-2A38-USCAR	-	43,794
TC1 2C19: High Energy Dynamic Impact	43.RD	C15-2A38-USC	-	39,872
TC1 2C20: Rapid Tools	43.RD	C16-2A38-USCAR	-	5,657
TC3 2C26: Bonding Surface Treatment and Inspection	43.RD	C16-2A38-UCAR	-	10,174
The Regents of the University of California, Santa Cruz				
Optimizing the WFIRST Type Supernova Survey	43.RD	A17-0876-S002-P0627215	-	27,776
South Carolina Research Foundation				
Downscaling of Passive Microwave Soil Moisture Using Vegetation and Surface Temperature	43.RD	NNX12AP75G	-	98,337
Physiological Impacts of Climate Change Using Remote Sensing	43.RD	NNX11AP77G	-	149,314
Physiological Impacts of Climate Change Using Remote Sensing	43.RD	NNX11AP77G	-	8,755
Physiological Impacts of Climate Change Using Remote Sensing	43.RD	NNX11AP77G	-	625
Unmanned Aircraft Systems (UAS) Research: The AG Channel, Robust Waveforms, and Aeronautical Network Simulations	43.RD	NNX12AR56G	-	61,353
New Approaches to Understanding the MJO using Satellite Altimetry and Aquarius Salinity in the Tropical Oceans	43.RD	NNX13AM60G	-	118,081
Molecules in the Distant Universe: Herschel Spectroscopy of Damped Lyman-alpha Quasar Absorbers	43.RD	1427151	-	247
Sub-Damped Lyman-alpha Absorbers at z < 0.6: An Explored Terrain In the Quest for Cosmic Metals	43.RD	HST-GO-12536.01-A	-	31,509
Star Formation and Molecular Gas in Distant Galaxies: SPIRE Spectroscopy of Quasar Absorption Systems	43.RD	1456904	-	60,583
The Stellar Continuum Light from Damped Lyman-alpha Absorber Galaxies Detected with Integral Field Spectroscopy	43.RD	HST-GO-13733.002-A	-	2,419
RELICS : Reionization Cluster Lensing Survey	43.RD	HST-GO-14096.014-A	-	787
Refsdal Redux : Precise Measurements of the Reappearance of the First Supernova with Multiple Resolved Images	43.RD	HST-GO-14199.019-A	-	(24)
FrontierSN2 : Second Year of Frontier Field Supernova Search	43.RD	HST-GO-13386.021-A	-	6,594
FrontierSN3 : Third year of Frontier Fields Supernova Search	43.RD	HST-GO-14208.022-A	-	30,697
Smithsonian Astrophysical Observatory				
AGNs Formed in Protogalaxies Associated with Sub-DLAs	43.RD	GO5-160988	-	6,993
South Carolina Space Grant Consortium				
2017 Carolina Eclipse Initiative	43.RD	17110FL52	-	1,790
Total National Aeronautics and Space Administration			167,207	2,624,369
National Endowment for the Arts				
This Far by Faith: Carolina Camp Meetings, An African-American Tradition	45.RD	15-5500-7033	-	5,810
Diverse Voices: Traditional Music in South Carolina	45.RD	15-5500-7083	-	13,891
Total National Endowment for the Arts			-	19,701

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, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
National Endowment for the Humanities				
AEO-Light 2.0: An Open Source Application for Image-Based Digital Reproduction of Optical Film Sound	45.RD	PR-50207-15	-	90,091
Wanting to Be Wanted: Sophie Tucker and the Creation of a Show Business Legend	45.RD	FZ-250455-16	-	50,335
The Revolutionary Era Pinckney Statesmen of South Carolina: a Digital Documentary Edition	45.RD	RQ5074813	-	-
The Revolutionary Era Pinckney Statesmen of South Carolina: a Digital Documentary Edition	45.RD	RQ-230547-15	-	88,082
Passed through programs from:				
South Carolina Communities Council				
Share a Little of that Human Touch: A Workshop to Design a Multi-Sensory Exhibit on South Carolina Native American Prehistory	45.RD	16-1681-3	-	1,285
Sankofa Saturday Academy	45.RD	17-1734-1	-	500
Gary Paul Nabhan Speaks on Conservation of Food Diversity	45.RD	16-1706-2	-	1,225
Intimate Grammars: A DinĀ© (Navajo) Poetry Panel	45.RD	16-1702-1	-	1,495
South Carolina Research Foundation				
PARAGON: Intelligent Digital Collation and Difference Detection	45.RD	HK-50032-12	-	(1,394)
Total National Endowment for the Humanities			-	231,619
National Science Foundation				
NSF Intergovernmental Personnel Act (IPA) Assignment: Dr. George Voulgaris	47.RD	OCE-1725081	-	24,611
2016 Latent Variables Conference	47.RD	1617066	-	7,278
Algorithm Development for Reconstruction of Design Elements	47.RD	1658987	-	13,416
Science Learning+: STEM Teens: Examining the Role of Youth Educators as Learners and Teachers in Informal STEM Learning Sites	47.RD	1647131	-	16,582
Science Learning+: STEM Teens: Examining the Role of Youth Educators as Learners and Teachers in Informal STEM Learning Sites	47.RD	1647131	-	5,545
CAREER: An All-Optical Plasmonic Device to Control and Coupled Quantum Dots for Optical and Quantum Information Processing	47.RD	1652720	-	29,417
Identifying a New Circuit That Controls Feeding Behavior: Leptin and Serotonin Interactions	47.RD	1656626	-	18,337
CAREER: Carborane Cluster Architectures Featuring Multiple Metal-Boron Interactions	47.RD	1654301	-	2,144
CAREER: Revealing the Mechanisms that Determine How an Active DNA Transposable Element Impacts the Genome	47.RD	1651666	-	17,887
CAREER: The Fundamental Principles of Modified Carbon Fiber Microelectrodes as Speciation Sensors	47.RD	1654111	-	47,677
CRRI: SHF: Understanding The Role of Software Test Adequacy Metrics in Search-Based Test Generation	47.RD	1657299	-	11,394
Doctoral Dissertation Research: The Intersections of Health and Wealth: Socioeconomic Status, Frailty, and Mortality in Industrial England	47.RD	1649757	-	11,307
NSF Graduate Fellowship: Benjamin Davis	47.RD	0929297	-	7,165
NSF Graduate Research Fellowship: Benjamin Davis	47.RD	1450810	-	43,766
NSF Graduate Research Fellowship: Benjamin Davis	47.RD	450810	-	2,833
Collaborative Research: Water Concentration and Distribution in the Oceanic Lithosphere	47.RD	1624315	-	44,028
DMREF: Collaborative Research: Designing Optimal Nanoparticle Shapes and Ligand Parameters for Polymer-Grafted Nanoparticle Membranes	47.RD	1629052	-	54,729
EAGER: Synthesis of New Ferrolites: Zeolites Containing an All-Iron Framework The First of a New Family of Transition Metal Based Zeolites?	47.RD	1633866	-	38,734
Collaborative Research: Laser Induced Breakdown Spectroscopy System for Alvin	47.RD	OCE-1154735	-	(6,780)
IGERT: Functional Nanomaterials for Sustainable Energy Solutions	47.RD	DGE-1250052	-	556,832
The Internal Structure of Deposits Emplaced under Upper Plane Bed/Sheet Flow Transport Conditions: Laboratory Experiments and Numerical Modeling	47.RD	EAR-1250641	-	46,403
CAREER: Metal-Semiconductor Hybrid Core-Shell Heterostructures with Geometrically Tunable Optical Properties	47.RD	DMR-1253231	-	71,196
Assimilation Rates of Dissolved Organic Carbon by Photomixotrophic Estuarine Phytoplankton	47.RD	OCE-1260134	-	34,836
The Medieval Black Death: Analysis of the Demographic, Health and Social Consequences of a Historic Emerging Disease	47.RD	BCS-1261682	-	37
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	-	35,467
Friction Extrusion Process and Equipment Development for Production of High Value Materials From Low-Cost Precursors	47.RD	CMMI-1266043	-	(8,856)
Understanding the Chemical Activity of Oxide-supported Bimetallic Clusters	47.RD	CHE-1300227	-	35,767
Extremal and Probabilistic Combinatorics with Applications	47.RD	DMS-1300547	-	19,444
Crystal Growth of Complex Luminescent Oxides	47.RD	DMR-1301757	-	92,390
Crystal Growth of Complex Luminescent Oxides	47.RD	DMR-1301757	-	(874)
Self-assembled Organic Nanotubes from Cyclic Ureas	47.RD	CHE-1305136	-	14,568
Participation in the Construction and Operation of the CUORE and Majorana Neutrinoless Double-Beta Decay Experiments	47.RD	PHY-1307204	-	130,994
Development of Functional Polymer-Protein Core-Shell Nanoparticles	47.RD	CHE1307319	-	34,221
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	-	79,333
Reaction Networks in Environmental Systems: Connecting Reactive Oxygen Species Generation and Particle Formation during the Oxidation of Ferrous Iron	47.RD	CHE-1308801	-	(8,383)
Mathematical Modeling and Computational Studies for Proliferation Kinetics of Cancer Tumor Growth with Spatial-Temporal Dynamics	47.RD	DMS-1308948	-	51,589
Defect Engineered Graphene Gate in a Subthreshold SiC MESFET for Emissions Sensing	47.RD	ECCS-1309466	-	22,857
Molecular Balance for Measuring Molecular-Level Anion Effects on Amino Acids	47.RD	CHE-1310139	-	121,533
Fluid and Chemical Fluxes Across the Seafloor of a Passive Margin	47.RD	EAR-1316250	-	122,108
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	-	(7,481)
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	-	16,602
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	23,322	27,880
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	-	(1,933)
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	-	(2,554)
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	-	(2,664)
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	-	(6)
Multiscale Computational Methods with Applications in Materials Science and Tissue Engineering	47.RD	DMS-1318866	-	34,159

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
National Science Foundation, continued				
Collaborative Research: Sea-Level Rise and Salt-Marsh Response: a Paleo Perspective	47.RD	EAR-1322859	-	25,216
CPS: Synergy: Collaborative Research: Engineering Safety-Critical Cyber-Physical-Human Systems	47.RD	CNS-1329870	-	14,788
Collaborative Research: Measuring Social Vulnerability--Reducing Uncertainty and Validating Indicators	47.RD	CMMI-1333243	-	(1,663)
Nanotips Induced Boundary Layer to Enhance Flow Boiling in Microchannels	47.RD	CBET-1336443	-	158,664
NUE: Nanotechnology LINK: An Integrated Approach for Nanotechnology Education: End-of-Life Management of Nanomaterial-containing Wastes	47.RD	EEC-1343756	-	41,157
Collaborative Research: PGE and Pb Systematics in Altered Abyssal Peridotites: Integrating Experiments with Natural Samples	47.RD	EAR-1347890	-	(4,306)
Regulation of Floral Growth and Patterning in Arabidopsis	47.RD	IOS-1354452	-	54,816
EPRI: On-demand Sweating-Boosted Air Cooled Heat-Pipe Condensers for Green Power Plants	47.RD	CBET-1357920	-	222,492
Software for Emergency Preparedness for Dam or Levee Failure	47.RD	IIP-1400850	-	(6,778)
Localized Synthesis of Ribosome Components	47.RD	MCB-1418725	-	(6,148)
SHF: Small: Collaborative Research: The Sutomata Programming Paradigm for Genomic Analysis	47.RD	CCF-1421059	-	64,174
PFI: AIR- TT: Biomimetic Composite for Segmental Bone Regeneration	47.RD	1500242	-	(1,758)
Collaborative Research: I/UCRC Phase I: Center for Rational Catalyst Synthesis	47.RD	1464630	-	69,784
Collaborative Research: Processing and Assembly of Devices with Tailored Magnetic Properties	47.RD	CMMI-1436560	-	133,396
Cancer Stem Cell Mechanotransduction in Engineered Matrix	47.RD	CBET-1403545	-	228,542
Collaborative Proposal: Impacts of Energy Extraction and Coal-Fired Power Plants on Disinfection by-Product Formation in Water	47.RD	1438625	9,664	91,031
Career: A Few Layer Thin, Graphene-Based Membranes: Nanostructure Understanding, Permeation Mechanism and Separation Application	47.RD	1451887	-	36,837
Phase-field Models, Algorithms and Simulations for Multiphase Complex Fluids	47.RD	DMS-1418898	-	7,515
Collaborative Research: A Molecular-to-Continuum, Data-Driven Strategy for Mucus Transport Modeling	47.RD	1410047	-	65,850
Banach Spaces and Applications	47.RD	1361461	-	56,808
A New Treatment to Dimension Reduction via Semiparametrics	47.RD	DMS-1463094	-	(15,845)
Multidimensional Methods for Kinetics in Complex Materials	47.RD	CHE-1403027	-	134,250
MRI: Acquisition of a Small-angle X-ray Scattering Instrument	47.RD	DMR-1428620	-	20,580
Bioavailability of Archeic Soil Carbon: Examining the Relationship Between Chemical Composition and Lability During the Holocene	47.RD	PLR-1417711	-	51,774
Collaborative Research: Isotopic Insights to Mercury in Marine Food Webs and How it Varies with Ocean Biochemistry	47.RD	OCE-1433313	-	74,702
Collaborative Research: GEOTRACES Arctic Section: Radium and Thorium Isotopes as Natural Geochemical Tracers in the Arctic Ocean	47.RD	1458424	-	14,458
Collaborative Research: US GEOTRACES Arctic section; Nd and REE cycling in the Arctic Ocean	47.RD	1458936	-	109,042
Collaborative Research: Climate Change and Upwelling -- Comparative Analysis of Current & Future Responses of the California and Benguela Ecosystems	47.RD	OCE-1434530	-	67,013
NeTS: Small: Collaborative: Infrastructure Mobility	47.RD	CNS-1421697	-	4,492
CSBR: Living Stocks - A Stock Center for Peromyscus	47.RD	DBI-1349230	-	133,299
Collaborative Research: Skeletal Muscle Constraint on Relative Brain Size	47.RD	BCS-1440599	-	3,068
Studies of the Activation and Functionalization of Hydrocarbons at Multinuclear Metal Sites in Transition Metal-Gold Complexes	47.RD	1464596	-	147,828
UNS: Novel Probes to Quantify the Relative Importance of Ion and Particle Uptake When Assessing Nanoparticle Bioavailability	47.RD	1508931	3,271	164,758
Collaborative Research: A Contact Lens-Based Glucose Nanosensor Using Affinity Polymer-Functionalized Graphene	47.RD	1509076	-	61,125
Collaborative Research: Study of Amyloid Protein Oligomerization using Microchannel Electrophoresis	47.RD	1511562	-	111,067
Collaborative Research: Fate and Control of Naturally Occurring Radioactive Material (NORM) Produced by Unconventional Gas Industry	47.RD	1509086	-	35,520
Collaborative Research: Affordable and Energy Efficient Engineered Earth Masonry for Seismic Resistant Low-Rise Buildings	47.RD	1537776	-	72,019
High Surface Free Energy Anchoring of Bimetallic Core Shell Particles	47.RD	1511615	-	143,255
UNS: Selective Catalytic Conversion of Syngas-Derived Dimethyl Oxalate to Ethylene Glycol: Mechanistic Insights from In-Situ Surface Vibrational Spectroscopy	47.RD	1510157	-	113,105
Building Tomorrow's Leaders: Bridging Workforce Development in ERCs to meet demand for a skilled workforce	47.RD	1555449	-	354
DMREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry	47.RD	1534260	-	74,282
DMREF: Collaborative Research: Design and Discovery of Multimetallic Heterogeneous Catalysts for a Future Biorefining Industry	47.RD	1534260	-	78,337
UNS: Engineered Nanomaterial Impact on Long-Term Stability of MSW Landfill and Leachate Treatment Pond Geomembrane Liners	47.RD	1510869	-	86,755
Interaction of Nitrogen and Sulfur Species with Oxygen Carriers in Chemical Looping with Oxygen Uncoupling	47.RD	1606874	-	107,197
EAGER: Modulation of the Inflammatory Response for Accelerated Tissue Vascularization and Bone Regeneration	47.RD	1631439	-	106,567
Stability, Derived Categories, and Mirror Symmetry	47.RD	1501813	-	59,909
Fast and Stable Compact Exponential Time Difference Based Methods for Some Parabolic Equations	47.RD	1521965	-	63,179
Collaborative Research: Reduced Order Modeling of Realistic Noisy Flows	47.RD	1522672	-	45,650
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	-	44,346
The Study of Nuclear Physics with Intermediate Energy Probes	47.RD	1505615	-	430,215
Collaborative Research: Kinetic to Continuum Modeling of Active Anisotropic Fluids	47.RD	1517347	-	9,237
Collaborative Research: Equipment for and Running of the PSI MUSE Experiment	47.RD	1506000	-	8,555
CAREER: Well-Defined Hybrid Materials as a Versatile Tool to Study Energy Transfer Processes	47.RD	1553634	-	53,073
CAREER: Mechanism of Cytochrome P450 Alkene Biosynthesis	47.RD	1555066	-	161,408
Constructive Approximation and Harmonic Analysis	47.RD	1613790	-	18,072
Neutrino-less Double-Beta Decay with CUORE and the MAJORANA DEMONSTRATOR	47.RD	1614611	-	130,713
Equilibrium Thermodynamics of Semiconductor Nanocrystal Ligand and Ion Exchange via Calorimetry	47.RD	1613388	-	153,265
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	-	63,921
Collaborative Research: Generation of Internal Waves Due to the Scattering of Semidiurnal Hybrid Kelvin-edge Waves at Varying Continental Shelf Topography	47.RD	1537449	-	73,425
Collaborative Research: Investigating the Lost City as an Ultramafic Urban Center of the Subseafloor, Fueled by Energy and Carbon from the Mantle	47.RD	1536702	-	21,168
RAPID - Plume Dynamics under Increased Sediment Discharge following Floods	47.RD	1603957	-	19,608

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
National Science Foundation, continued				
NSF Rapid - Floodplain Geomorphology and Circulation	47.RD	1604063	-	(1,768)
Collaborative Research: Effects of Changing Temperature on the Gulf of Alaska Ecosystem	47.RD	1558787	-	36,718
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	-	12,699
A New Method for Assessing the Magnitude and Impact of Shallow Seawater/Pore Water Exchange in Salt Marsh Systems	47.RD	1559274	-	83,379
II-New: Acquisition of a Heterogeneous Team of Field Robots for Coastal Environments	47.RD	1513203	-	164,668
RI-Small: Collaborative Research: Why is automating the design of robot controllers hard, and what can be done about it?	47.RD	1526862	-	100,190
NRI: Collaborative Research: ASPIRE: Automation Supporting Prolonged Independent Residence for Elderly	47.RD	1525900	-	86,996
II-New: SC-CAN: South Carolina's Wireless Communication and Airborne Networking Collaboratory	47.RD	1513107	-	149,092
Wikitheoria.com: A Knowledge Aggregator for the Social Sciences	47.RD	1551458	-	78,049
FSML: High-Resolution Acoustic Imaging Sonar for Research and Education at the Baruch Marine Field Laboratory	47.RD	1522490	-	2,191
EAGER: Salicylic Acid Signaling in Plant Pathogen Interactions	47.RD	1464527	-	(44,419)
Collaborative Research: Evolutionary Origins of Chiton Shell-eyes: Integrating Structure, Function, and Gene Expression within a Phylogenetic Context	47.RD	1457148	-	154,398
DIMENSIONS: Links Between Spectral Irradiance and Cryptophyte Biodiversity in Environments from Ponds to Oceans	47.RD	1542555	-	295,558
DIMENSIONS: Links Between Spectral Irradiance and Cryptophyte Biodiversity in Environments from Ponds to Oceans	47.RD	1542555	-	147,229
Mutational Variance of the Transcriptome and the Origins of Phenotypic Plasticity	47.RD	1556645	-	120,485
Mutational Variance of the Transcriptome and the Origins of Phenotypic Plasticity	47.RD	1556645	-	27,462
Examining the Role of the Lissencephaly Protein, Lis1, in Dynein-based Transport	47.RD	RNS056314C	-	(17,453)
Examining the Role of the Lissencephaly Protein, Lis1, in Dynein-based Transport	47.RD	RNS056314C	-	184,582
Scholar Award: The Value of SEIN Research	47.RD	1535060	-	59,330
Doctoral Dissertation Research: Paleodemographic Analysis of Urbanization, Famine and Mortality	47.RD	1540208	-	13,610
MATH: EAGER: Collaborative Research: Implementing a Peer-Mentorship Model for Mathematics Graduate Student Instructors	47.RD	1544346	-	118,256
SciLAF: Scientific-based Learning Assessment Framework for Student Knowledge Tracking	47.RD	1504728	-	140,926
Collaborative Research: Advanced Zeolite-Composite Adsorbents with Fine-Tuned Pore Sizes for Molecular Sieving Separations	47.RD	1402772	-	72,803
Collaborative Research: Deciphering Induced-Charge Electrokinetics: Multiscale Simulations and Nanoscale Flow Characterization	47.RD	1336004	-	68,936
Collaborative research: Does Dissolved Organic Matter Influence the Concentrations and Distributions of Trace Elements in the Arctic Ocean?	47.RD	1504137	-	83,097
Collaborative Research: Equipment for the PSI MUSE Experiment	47.RD	1614773	-	211,557
Collaborative Research: I/UCRC on Grid-Connected Advanced Power Electronic Systems (GRAPES), Phase II	47.RD	1439689	-	62,845
Collaborative Research: RUI: Human Alteration of Sediment Delivery to the Coast & Legacies of Land Use, Coastal Wetland Rise Accretion, and Future Vulnerability to Sea Level	47.RD	1457622	-	95
CAREER: Detection and Quantification of Metal-Based Engineered Nanoparticles in Surface Waters	47.RD	1553909	-	23,209
CAREER: Uncertainty Quantification in the Rational Design of Bifunctional Catalysts	47.RD	1254352	-	23,317
Collaborative Research: SusChEM: Rational Design of Non-Precious Metal Catalysts for a Future Biorefining Industry	47.RD	1565964	-	17,981
Collaborative Research: The Embeddedness of Indirect and Generalized Reciprocity	47.RD	1626056	-	41,623
Electrochemical Capture of CO2 and Instant Conversion into Syngas: A Combined Mechanistic and Engineering Approach	47.RD	1401280	-	89,012
Evaluation of the Role of Size Dispersity on Nanoparticle Uptake and Ecotoxicity	47.RD	1437307	-	145,938
Extremal and Probabilistic Combinatorics with Applications II	47.RD	1600811	-	100,074
Facial Amphiphilic Antimicrobials Biomaterials Containing Fused Multicyclic Structures	47.RD	1608151	-	47,413
Facial Amphiphilic Antimicrobials Biomaterials Containing Fused Multicyclic Structures	47.RD	1608151	-	13,194
Fractional PDEs and related nonlocal models: fast numerical methods, analysis, and application	47.RD	1620194	-	25,737
From Soybean Oil to Commodity Biobased Fatty Alcohols and Vinyl Monomers	47.RD	1661937	-	27,405
Functional Organic Nanotubes from Self-Assembled Bis-Urea Macrocycles	47.RD	1608874	-	170,049
GOALL: Collaborative Research: Energy Harvesting Nanorods-enhanced MEMS Temperature-insensitive Gas Sensor for Combustion Monitoring and Control	47.RD	1508139	-	36,165
Hybrid Computational Methods and Algorithms for Complex Biological Systems	47.RD	1620212	-	14,359
Impact of Ocean Acidification on Planktonic Foraminifera in the California Current System during the Last 300 Years	47.RD	1631977	-	31,210
LTREB: Long Term Studies of Salt Marsh Primary Production	47.RD	1654853	-	3,019
Molecular Dynamics with Nuclear Quantum Effects: Bridging Classical and Quantum Regimes	47.RD	1565985	-	38,630
NRI: Enhancing Mapping Capabilities of Underwater Caves using Robotic Assistive Technology	47.RD	1637876	-	180,991
RAPID: Patterns of Fluvial Sedimentation and Geomorphic Change Following an Extreme Flood Event	47.RD	1615154	19,014	30,299
Rational Design of Surface Modified Nanoparticles for Modulation of Amyloid Protein Aggregation	47.RD	1609939	-	54,145
REU Site: Cradle to the Grave - CO2 Opportunities and Challenges	47.RD	1358931	-	(8,345)
REU Site: Applied Computational Robotics	47.RD	1659514	-	52,397
Southeastern Number Theory Meetings	47.RD	1601239	-	11,900
Passed through programs from:				
Benedict College				
Targeted Infusion Project: Infusion of Active and Problem-Based Learning for Teaching and Research in the Context of Transportation Disruptive Technologies	47.RD	24665	-	9,479
Clafin University				
Targeted Infusion Project: Building an Interdisciplinary Geosciences and Geospatial Intelligence Curricula Through Applied Training in Mapping and Spatial Reasoning	47.RD	24400FA30	-	18,238
Clemson University				
Subcontract for Clemson NSF Proposal: Novel Graphene-based Label-free Biosensor Arrays for Smart Health and Drug Discovery	47.RD	1860-206-2011320	-	22,884
Radioluminescent Particles for Optical Mission in Optogenetics	47.RD	1876-206-2011576	-	46,035
Digitization TCN: Collaborative Research: The Key to the Cabinet	47.RD	1771-206-2010242	-	6,370
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	-	5,647

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
National Science Foundation, continued				
Passed through programs from:				
C & B Technology				
NSF SBIR NSF 16-554 Semiconductors (S) and Photonic (PH) Devices Materials Topic: S3. Processing and Metrology Technology Novel semiconductor chip measurement for strain characterization	47.RD	15540FD38	-	20,001
MagAssemble LLC				
SBIR Phase 2: Reducing Size and Cost of Optical Devices with Nanomanufacturing - A Novel Use of Disk Drive Technology	47.RD	13070FB50	-	60,147
Marine Biological Laboratory (MBL)				
Sea-level rise and coastal sustainability: A cross-site comparison of non-linearity in salt marsh persistence and feasible social adaptations	47.RD	49616	-	20,496
LTER-Plum Island Ecosystems: Dynamics of Coastal Ecosystems in a Region of Rapid Climate Change, Sea-level Rise, and Human Impacts.	47.RD	52684	-	63,779
Medical University of South Carolina				
R11 Track-2 FEC: Bridging Cognitive Science and Neuroscience Using Innovative Imaging Technologies	47.RD	MUSC16-073-8B357	-	35,368
South Carolina Arts Commission				
USCL Native American Studies Center Artist Residency: Faye Greiner	47.RD	FY16-FLK/EDU-16825	-	398
South Carolina State University				
SCAMP Phase III: Enhancing Opportunities to Transition Students into Successful STEM Pathways	47.RD	15581051 - SCAMP	-	23,782
SCAMP Phase III: Enhancing Opportunities to Transition Students into Successful STEM Pathways	47.RD	15(2)-581051-SCAMP	-	19,186
South Carolina Research Foundation				
CUORE: Phase 1 Construction and Crystal Bolometer Research and Development	47.RD	PHY-0605119	-	22,081
PIRE: Modeling of Flood Hazards and Geomorphic Impacts of Levee Breach and Dam Failure	47.RD	OISE-0730246	-	230,204
CAREER: Asymmetric Silylation of Secondary Alcohols and Mechanistic Investigations	47.RD	CHE-1055616	-	(7,056)
Channel Properties Where Fluvial and Tidal Currents Meet	47.RD	EAR-1053299	-	(105)
Collaborative Research: US GEOTRACES Pacific Zonal Transect: Rates of Supply, Removal and Internal Cycling of Trace Elements and Isotopes	47.RD	1231211	-	11,975
CAREER: Design Automation for High-Performance Reconfigurable Computing	47.RD	CCF-0844951	-	3,579
CAREER: Integrated Modeling for Watershed Management	47.RD	CBET-0846244	-	-
CAREER: Spin-Polarized Currents in Nanostructures	47.RD	DMR-0847159	-	13,013
CAREER: Algorithms for Minimalist Robot Teams	47.RD	IIS-0953503	-	12,243
Ligand Design for Molecular and Supramolecular Control of the Structures of Metal Complexes: Investigations of Unusual Magnetic Properties	47.RD	CHE-1011736	-	(80)
Characterization of a Novel Nickel Metalloregulatory Protein, YqjI	47.RD	MCB-1022288	-	(529)
LTREB: Long Term Studies of Salt Marsh Primary Production	47.RD	DEB-1052636	-	96,357
CAREER: Hydrothermal Carbonization of Mixed Feedstocks: Implications for Sustainable Waste Management	47.RD	CBET-1055327	-	73,213
CAREER: Approximate Description of Nuclear Quantum Effects Applicable to Large Molecular Systems	47.RD	CHE-1056188	-	36,389
US Egypt Cooperative Research: Luminescent Molecularly Imprinted Polymer Sensor Arrays	47.RD	OISE-1103904	-	(56)
Collaborative Research: Spectral Diagnostics of Heavy Elements at High Redshift	47.RD	AST-1108830	-	10,906
Synthesis of Polynuclear Transition Metal - Heavy Main Group Metal Carbonyl Complexes for Use as Next-Generation Multimetallic Heterogeneous Nono-Catalysts	47.RD	CHE-1111496	-	(9,120)
Collaborative Research: Maplets for Calculus (M4C)	47.RD	DUE-1123170	-	(567)
Linking Variation in Metabolic Processes as a Key to Prediction	47.RD	OCE-1129166	-	(12,830)
Climate Change and Biogeography: Effects of Extreme Events	47.RD	OCE-1129401	-	33,150
Programmable Polymers based on Restricted Rotation	47.RD	CHE-1112431	-	12,036
Career: Linking Microbial Phylogenetic and Functional Gene Diversity to Microbial Mat Ecosystem Function Following Environmental Disturbance	47.RD	DEB-1149447	-	166,313
CAREER: Towards Multimodal and Multialgorithm Facial Activity Understanding by Audiovisual Information Fusion	47.RD	IIS-1149787	-	90,647
CAREER: African American Father Engagement and Early Adolescents' Academic and Social Adjustment	47.RD	BCS-1150963	-	69,113
Cationic Cobaltocenium Polyelectrolyte Polymers: Synthesis, Self-Assembly and Utilities	47.RD	CHE-1151479	-	(3,229)
Rational Design of Selective Hydrodeoxygenation Catalysts for Organic Acids	47.RD	CHE-1153012	-	(23,725)
REU Site: marine Biogeochemistry at the University of South Carolina	47.RD	CHE-1156831	-	(1,398)
Regulation of Genetic Recombination in Mammals	47.RD	MCB-1157416	-	163,482
Collaborative Research: Rational Design of Bifunctional Catalysts for the Conversion of Levulinic Acid to Gamma-Valerolactone	47.RD	CBET-1159863	-	(9,849)
GOALI: A Scientific Synthesis of Bimetallic Catalysts	47.RD	CBET-1160036	-	(6,294)
III: Medium: Collaborative Research: Developing a 3D Browser to Explore Genomes	47.RD	IIS-1161586	-	(25,457)
Biomechanics of Arterial Tissue Failure at Multiple Length Scales	47.RD	CMMI-1200358	-	(4,012)
Collaborative Research: Experimentally Guided Mathematics for the Mechanochemistry of Cell Sharp Dynamics	47.RD	DMS-1200487	-	146,394
Zeta Functions and the Distribution of Field Discriminants	47.RD	DMS-1201330	-	(1,357)
Efficient Unconventional Computing with Adaptable Memory Circuit Elements	47.RD	ECCS-1202383	-	5,589
The Study of Nuclear Physics with Intermediate Energy Probes	47.RD	PHY-1205782	3,013	3,013
Natural Resin Acid-Containing Antimicrobial Materials: Synthesis and Mechanism	47.RD	DMR-1206072	-	(3,156)
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	-	121,851
Representation and Approximation of Functions in Nonclassical and Anisotropic Settings with Applications	47.RD	DMS-1211528	-	268
Development of Correlation Operator Approach to Model Electron Correlation	47.RD	CHE-1213604	-	7,336
Development and Analysis of Fast Numerical Methods for Fractional Diffusion and Advection-Diffusion Equations	47.RD	DMS-1216923	-	48,078
ATD Collaborative Research: Theory and Algorithms for High Dimensional Learning	47.RD	DMS-1222390	-	4,288
Deltaic Resilience and the Genesis of Mesopotamian Cities (Iraq)	47.RD	BCS-1227784	-	(610)
The Microglial Carbon Pump and Bacterial Carbon Sequestration in the Ocean	47.RD	OCE-1233373	-	3,045
Pollutant Formation During Ox-Combustion of Coal	47.RD	CBET-1236761	-	(3,591)
SHB: Type II (INT): Collaborative Research: Creating Learning Systems with Mobile Technology to Improve Coordination in Perioperative Services	47.RD	IIS-1237080	-	46,565

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
National Science Foundation, continued				
Passed through programs from:				
South Carolina Research Foundation, continued				
SHB: Type II (INT): Collaborative Research: Creating Learning Systems with Mobile Technology to Improve Coordination in Perioperative Services	47.RD	IIS-1237080	-	57,775
Novel Beam Steering Apertures and Waveforms for High Capacity Broadband Wireless Nodes	47.RD	ECCS-1247503	23,632	38,345
Novel Beam Steering Apertures and Waveforms for High Capacity Broadband Wireless Nodes	47.RD	ECCS-1247503	-	2,156
Career: Renewable Polymers and Composites Derived from Hydrocarbon-Rich Natural Resin	47.RD	DMR-1252611	-	96,259
CAREER: Smart RF/Microwave Components Using Nano-Film Slow Wave Elements	47.RD	ECCS-1253929	-	53,048
Collaborative Research: The Cariaco Basin Oceanographic Time Series	47.RD	OCE-1258991	-	167,346
The PIE-LTER: Interactions Between External Drivers, Humans and Ecosystems in Shaping Ecological Process in a Mosaic of Coastal Landscapes and Estuarine Seascapes	47.RD	45246	-	11,908
Collaborative Research: Resilient and Sustainable Engineered Fiber-Reinforced Earthen Masonry for Windstorm Regions	47.RD	CMMI-1131161	-	(441)
CAREER: Studying Flow Velocity Field in Nanofluidics with a Far-Field Nanoscopic Velocimetry	47.RD	CBET-0954977	-	181,875
Simulation of Integrated Urban Infrastructure Systems using Component-based Modeling	47.RD	CMMI-1100227	37,371	68,971
Winthrop Initiative for STEM Educators (WISE)	47.RD	P1400749	-	10,758
Tennessee Technology University				
Subcontract for NSF proposal: Collaborative Research: Edge Surface Topography Characterization for Precision Sensing Technology (#1463502)	47.RD	5-31261	-	13,579
The Trustees of Columbia Univ. in NYC				
Participation of Susan Lang on Expedition 357 (offshore)	47.RD	23(GG009393)	-	16,598
Participation of Susan Lang on Expedition 357 (offshore)	47.RD	23(GG009393-01)	-	14,760
Participation of Susan Lang on Expedition 357 (offshore)	47.RD	23(GG009393-01)	-	25,139
Ohio University				
Innovative Approaches for Enhancing Passive Water Management of Hydrogen Pump	47.RD	18430A	-	9,397
University of Akron				
Supplemental Funding: Formation Mechanisms of Iodinated Disinfection By-Products from X-Ray Contrast Media	47.RD	0592-USC	-	3,854
University of Georgia				
Subaward: A Genetic Resource for Gene Discovery in Soybean	47.RD	RC371-229/S000765	-	(3,315)
REU Site: Radioecology Research Experiences for Undergraduates	47.RD	RR267-323/S000726	-	12,936
A Resource for Functional Genomics to Support Soybean Genetics and Breeding	47.RD	RC371-288/S000906	-	91,047
University of Kansas Center for Research				
RII Track-2 FEC: Catalysis for Renewables: Applications, Fundamentals and Technologies (CRAFT)	47.RD	FY2016-032	-	525,786
University of Southern California				
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	407	(12,751)
Direct Access to the Serpentinite Subsurface: a Biogeochemical Investigation of Fluids to Characterize a Unique Habitat	47.RD	PO 10436603/74533248	-	81,796
University of Puerto Rico				
RII Track-2 FEC: Center for a Sustainable Water, Energy, and Food Nexus (SusWEF)	47.RD	2016-2017-003	-	176,380
RII Track-2 FEC: Center for a Sustainable Water, Energy, and Food Nexus (SusWEF)	47.RD	2016-2017-003	-	22,590
RII Track-2 FEC: Center for a Sustainable Water, Energy, and Food Nexus (SusWEF)	47.RD	2016-2017-003	-	28,664
RII Track-2 FEC: Center for a Sustainable Water, Energy, and Food Nexus (SusWEF)	47.RD	2016-2017-003	-	59,101
University of Washington				
Macroevolutionary Analyses of Cranial Morphology and Function in Mammals	47.RD	UWSC8979 - BPO#15818	-	14,195
Total National Science Foundation			119,694	13,429,604
U.S. Department of Veterans Affairs				
VA Contract VA268-16-C-0004 Swine Housing	64.RD	544-D77000	-	86,285
Contract for Animal Husbandry Services for Dorn VA Medical Center	64.RD	544-D67012	-	36,405
Contract for Attending Veterinarian Services for Dorn VA Medical Center	64.RD	544-D67009	-	22,661
Chris Wood IPA-Modeling Individual Differences in PTSD	64.RD	544-D75014 Chris Wood	-	7,684
Implementation & Evaluation of Training for VA Emergency Department Staffing Methodology - IPA	64.RD	544-C60988	-	9,783
IPA - HRV Biofeedback in Pain Patients: Pilot Intervention for Pain, Fatigue & Sleep	64.RD	544-D65011	-	16,238
VA/IPA - Julia Jacobs	64.RD	544-D75001	-	8,726
VA/IPA - Kia Zellars	64.RD	544-D65001	-	20,133
VA/IPA - Kia Zellars	64.RD	544-D65001 Kia Zellars	-	1,815
VA/IPA - Heather Doviak	64.RD	544-D65001	-	33,345
VA/IPA - Heather Doviak	64.RD	544-D65001 Heather Doviak	-	1,408
VA/IPA - Paige Perreault	64.RD	544-D65001	-	7,262
Decreased CNS Leptin Activity in Comorbid Obesity and Depression.	64.RD	544-D65004	-	18,327
IPA for Jennifer Nyland	64.RD	544-D65004	-	3,222
IPA for Jennifer Woodruff	64.RD	544-D65004	-	48,800
IPA for Jim Fadel	64.RD	544-D65004	-	19,927
IPA for Calliandra Lombard	64.RD	544-D65004	-	9,975
IPA for Dr. Susan Wood	64.RD	544-D65004	-	18,526
IPA for Dr. Claudia Grillo	64.RD	544-D65005	-	52,608
IPA for Dr. Claudia Grillo	64.RD	544-D75013	-	36,398
IPA for Dr. Marlene Wilson	64.RD	544-D65005	-	10,648
Modeling Individual Differences in PTSD (Jennifer Nyland)	64.RD	544-D65006	-	644
Modeling Individual Differences in PTSD	64.RD	544-D65007	-	59,636
Modeling Individual Differences in PTSD	64.RD	544-D65007	-	13,859
Modeling Individual Differences in PTSD (Kris Ford Kaigler)	64.RD	544-D65007	-	28,252
Modeling Individual Differences in PTSD (Larry Reagan)	64.RD	544-D65007	-	1,891
Modeling Individual Differences in PTSD (Britt Wilson)	64.RD	544-D65007	-	553

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Veterans Affairs, continued				
IPA from the VA for Dr. Chris Wood	64.RD	544D65010	-	46,242
VA Contract VA268-16-C-0004 Swine Housing	64.RD	544-D67003	-	19,749
VA Contract - Reagan - VA247-16-C-0006	64.RD	VA247-16-C-0006	-	16,457
Total U.S. Department of Veterans Affairs			-	657,459
Environmental Protection Agency				
Passed through programs from:				
Gills Creek Watershed Association				
Exposure to Mercury through Subsistence Fishing: Assessment and Community Outreach in Lower Gills Creek, SC	66.RD	00D35515	-	9,189
South Carolina Department of Natural Resources				
Ground Subsidence Study using InSAR and Groundwater data in Georgetown, South Carolina	66.RD	SCDNR FY2017-019	-	14,138
Total Environmental Protection Agency			-	23,327
U.S. Nuclear Regulatory Commission				
Passed through programs from:				
U.S. Regulatory Commission				
University of South Carolina Excellence in Nuclear Engineering Fellowship Program	77.RD	NRC-HQ-84-15-G-0022	-	45,063
Total U.S. Nuclear Regulatory Commission			-	45,063
U.S. Department of Energy				
A Novel Hollow Fiber Membrane Reactor for High Purity H2 Generation from Thermal Catalytic NH3 Decomposition	81.RD	DE-AR0000809	-	18,984
A Novel Hollow Fiber Membrane Reactor for High Purity H2 Generation from Thermal Catalytic NH3 Decomposition	81.RD	DE-AR0000809	-	113,931
Center for Hierarchical Waste Form Materials (CHWM)	81.RD	DESC0016574	98,474	620,868
Center for Hierarchical Waste Form Materials (CHWM)	81.RD	DESC0016574	-	77,210
Center for Hierarchical Waste Form Materials (CHWM)	81.RD	DESC0016574	-	47,712
Center for Hierarchical Waste Form Materials (CHWM)	81.RD	DESC0016574	-	69,222
Transport Behavior of Superconductors at High Dissipative Currents	81.RD	DE-FG02-99ER-45763	-	118,263
South Carolina Institute of Archaeology and Anthropology Cooperative Agreement DE-EM0002875 Savannah River Archaeological Research Program	81.RD	DE-EM0002875	-	842,225
U3Si2 Fabrication and Testing for Implementation into the BISON Fuel Performance Code	81.RD	DE-NE-0000725	-	208,558
Structural Health Monitoring of Nuclear Spent Fuel Storage Facilities	81.RD	DE-NE0000726	-	96,246
TOPR of BOA No. 00000000000000000000419 Response to Statement of Work for Bioprocess Intensification CEB00009 /PR# 324517	81.RD	G-SOW-A-01850	-	83,320
Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task)	81.RD	DE-SC0010073	-	332,879
Development and Verification of WAAM	81.RD	G-SOW-01866	-	15,424
Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task)	81.RD	DE-SC0010073	-	136,906
Hadronic Parity Violation in Few-nucleon Systems	81.RD	DE-SC0010300	-	147,137
Research in Neutrinoless Double-Beta Decay	81.RD	DESC0012612	-	165,075
University-Industry Partnership to Develop Reliable, Robust, and Active SOFC Cells and Stacks	81.RD	DE-FE0023475	-	135,862
Intermediate Temperature Nano-Structured Ceramic Hollow Fiber Membranes for Oxygen Separation	81.RD	DE-FE0024059	-	251,442
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	491,968	562,409
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	-	53,922
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	-	68,596
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	-	35,171
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	-	21,654
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	378,967	814,657
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	-	58,354
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	-	66,343
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	-	28,251
Demand-Driven Cycamore Archetypes	81.RD	DE-NE0008567	16,124	92,881
Phase Equilibria and Thermochemistry of Advanced Fuels: Modeling Burnup Behavior	81.RD	DE-NE0008570	-	134,866
Electron-Positron Physics with Belle II	81.RD	DE-SC0012047	-	(8)
Grid Generation, Coupling Strategies, and Spatially-dependent Time Stepping for Oceanâtidal/Estuary Systems and other ESM Components	81.RD	DE-SC0016540	-	77,787
Passed through programs from:				
SRS Community Reuse Organization				
SRSCRO Advancing Nuclear Skills Regionally (ANSR) Salkehatchie	81.RD	DE-EM0001232	-	(678)
USC Aiken's Workforce Opportunities in Regional Careers (WORC)	81.RD	DE-EM0004214	-	130,757
Acumentrics				
Performance and Reliability Advancements in a Durable Low Temperature Tubular SOFC	81.RD	ATRXUSC101016	-	63,582
Battelle Memorial Institute				
Nepheline Thermodynamic Model Creation and Validation	81.RD	301919	-	63,582
Testing and Evaluation on Custom Electronics Boards for the Belle II Experiment (Response to PNNL PR-275843)	81.RD	238236	-	48,012
Clemson University				
Radionuclide Waste Disposal: Development of Multi-Scale Experimental and Modeling Capabilities	81.RD	1750-219-2020199	-	115,281
Radionuclide Waste Disposal: Development of Multi-Scale Experimental and Modeling Capabilities	81.RD	1750-219-2020199	-	242,493
A New Paradigm for Understanding Multi-phase Ceramic Waste Form Performance	81.RD	1739-219-2010311	-	34,232
External Review of the Core Competencies of SRNL	81.RD	1873-205-2011517	-	34,533
Colorado School of Mines				
Innovative Approach to SCC Inspection and Evaluation of Canister in Dry Storage	81.RD	401012-5802	-	1,541
North Carolina State University				
Mechanistic and Validated Creep/Fatigue Predictions for Alloy 709 from Accelerated Experiments and Simulations	81.RD	2015-1766-01	-	9,110

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Energy, continued				
Passed through programs from:				
Sonata, LLC				
Novel Surface-Functionalized Powders for Solid Oxide Fuel Cells	81.RD	DOE-SC0013116	-	(608)
Novel Surface-Functionalized Powders for Solid Oxide Fuel Cells	81.RD	DOE-SC0013116	-	45,421
South Carolina Research Foundation				
DIRC-based PID for the EIC Central Detector	81.RD	218624	-	43,393
Enriched Boron-Doped Amorphous Selenium Based Position-Sensitive Solid-State Thermal Neutron Detector for MPACT Applications	81.RD	120563	-	111,086
Accurate Holdup Calculations with Predictive Modeling & Data Integration	81.RD	2012-1588-02	-	76,932
Development of Ultra Low Platinum Alloy Cathode Catalyst for PEM Fuel Cells	81.RD	DE-EE0000460	-	(44,283)
An Experimental and Modeling Study of NOx-CO Formation in High Hydrogen Content (HHC) Fuel Combustion in Gas Turbine Applications	81.RD	DE-FE0012005	35,997	93,455
Developing Accelerated Test Protocols and Tuning Microstructures of the Common Materials to Improve Robustness, Reliability, and Endurance of SOFC Cells	81.RD	DE-FE0026097	-	89,260
Predicting Ice Sheet and Climate Evolution at Extreme Scales (PISCEES)	81.RD	DE-SC0008087	-	36,934
Theoretical Investigation of Heterogeneous Catalysis at the Solid Interface for the Conversion of Lignocellulosic Biomass Model Molecules	81.RD	DE-SC0007167	-	203,244
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems Administrative Core (Parent Account)	81.RD	DE-SC0001061	-	(14,716)
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems Administrative Core (Parent Account)	81.RD	DE-SC0001061	-	(19,100)
Fundamental Neutron Physics: Theory and Analysis	81.RD	DE-SC0015882	-	48,021
Fundamental Neutron Physics: Theory and Analysis	81.RD	DE-SC0001473	-	22,712
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	-	(8,901)
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	-	200,481
FNAL-USC-LBNE-Lar-Aug 14-v4	81.RD	619430	-	-
FNAL-USC-LBNE-ND-Aug14-vd	81.RD	619459	-	-
South Carolina Universities Research and Education Foundation				
Ceramic Membrane Characterization	81.RD	B139006	-	(1,734)
Polymers for Pu Anion Exchange Microchannel Array	81.RD	B139014	-	34,727
Infrared Spectroscopic Study of Glycolic Acid in Aqueous Solutions Relevant to Nuclear Waste Treatment	81.RD	B139016	-	44,953
R&D SERS for Microparticles	81.RD	B139027	-	7,995
Management of Nuclear Nonproliferation International Safeguards Graduate Fellowship Program	81.RD	B139029	-	514,779
Nuclear Forensics Junior Faculty Award Program	81.RD	NF13004	227,581	272,039
Rickover Fellowship Program in Nuclear Engineering	81.RD	NRLF003	-	888,350
Southern States Energy Board				
Southeast Offshore Storage Resource Assessment (SOSRA)	81.RD	DE-FE0026086	-	99,117
Southeast Offshore Storage Resource Assessment (SOSRA)	81.RD	SOSRA-981-USC-2015-001rev	-	231,780
The Pennsylvania State University				
Multisensory Robotic System for Used Nuclear Fuel Dry Storage Casks	81.RD	5107-USC-USDOE-8266	-	174,561
University of Pennsylvania				
Cost-effective Manufacturing and Morphological Stabilization of Nanostructured Cathodes for Commercial SOFCs	81.RD	565289	-	64,336
Greenway Energy				
Metal Hydride Material Development for High Efficiency and Low Cost Hydrogen Compressors	81.RD	24568	-	3,798
GAS Technology Institute				
Producing > 95% Purity O2 from Air Using Single-stage Membrane Contractor with Oxygen Carry Based Solution	81.RD	S520	-	51,798
Energy Efficient Membrane-based Hybrid Hybrid Process for Post-combustion CO2 Capture	81.RD	S581/GTIPProject#21881	-	244,893
Gen4 Energy, Inc				
USC-G4M LBE Natural Circulation Experimental Facility	81.RD	DE-FOA-0000818	-	849
General Atomics				
Mechanical Characterization and Modeling of Complex SiC Based Composite Structure	81.RD	4500055900	-	58,346
Characterization of SiC Cladding	81.RD	4500058589	-	220,376
The Regents of the University of California Lawrence Berkeley National Laboratory				
National Nonproliferation Field Data Center	81.RD	7335746	-	63,433
University of California, Berkeley				
Developing Ultra-small Scale Mechanical Testing Methods and Microstructural investigation Procedures for Irradiated Materials, FC-2.1: Characterization and Instrumentation	81.RD	00008385	-	37,337
University of Central Florida				
STEP/FEEDER: Strategic Expansion to Achieve GEARED Goals	81.RD	16226104-08	-	8,273
GEARED - FEEDER: Foundations for Engineering Education for Distributed Energy Resources	81.RD	DE-EE0006340	-	36,695
University of Michigan				
High Fidelity Ion Beam Simulation of High Dose Neutron Irradiation	81.RD	3002964978	-	61,752
University of Tennessee				
Neutron Scattering Research Network for EPSCoR States	81.RD	A09-0361-S004	-	14
University of Mississippi				
Multimodal Nondestructive Dry Cask Basket Structure and Spent Fuel Evaluation	81.RD	16-10-022	-	270,427
Utah State University				
Separate Effects Tests and Modeling of Fuel Fracture and Cladding Rupture	81.RD	200658-343	-	70,907
University of Utah				
CyclusJS: A Distributed Web-based Fuel Cycle Visual Analytics System	81.RD	10041588-UofSC	-	9,686

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, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	(79)
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	(703)
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	16,382
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	883
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	437
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	-	10,320
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336B	-	112,655
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336B	-	137,750
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336B	-	89,208
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336B	-	40,985
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336B	-	109,618
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336B	-	77,932
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336B	-	30,907
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336B	-	48,440
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336B	-	314,664
Center for Colon Cancer Research - Administrative Core	93.RD	5P30GM103336-02	-	(1)
Center for Colon Cancer Research - Administrative Core	93.RD	5P30GM103336-03	-	100,223
Center for Colon Cancer Research - Administrative Core	93.RD	5P30GM103336-03	-	3,726
Center for Colon Cancer Research - Administrative Core	93.RD	5P30GM103336-03	-	30,985
Center for Colon Cancer Research - Administrative Core	93.RD	5P30GM103336-03	-	11,774
Center for Colon Cancer Research - Administrative Core	93.RD	5P30GM103336-03	-	7,383
Center for Colon Cancer Research - Administrative Core	93.RD	5P30GM103336-03	-	7,990
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	35,784	24,489
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	83,074
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	23,462
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	6,596
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	(14,111)
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	4,419
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	2,290
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	2,670
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	19,825	226,624
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	477,492
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	39,760
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	104,588
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	49,436
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	80,058
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	14,650
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	14,533
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PGM103499F	-	14,650
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (Admin Core)	93.RD	PMD001770C	-	(1,141)
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	(15,069)
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	869
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	(1,173)
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	(148)
South Carolina IDeA Network of Biomedical Research Excellence (INBRE) Admin Core - Year One of Competing Renewal	93.RD	PRR016461E	-	(23)
Energy Expenditure Responses to Acute and Chronic Exercise in Older Women	93.RD	RAG031297C	-	(2,984)
Characterization and Genetics Analysis of Aging in Daphnia	93.RD	RAG037969B	-	(20,973)
Mast Cell S1P Receptor2 in the Initiation and Progression of Chronic Inflammation	93.RD	RAI095494B	7,280	94,237
Unraveling the Role of Asymmetric Division in Lineage Specification of Stem Cells	93.RD	RAR063338A	-	29,867
Microengineered Osteoinductive and Vasculogenic Scaffold	93.RD	RAR063745A	-	(14,290)
MicroRNAs in Atopic Dermatitis Pathogenesis: A Role for Mast Cell and Sphingosine-1-Phosphate	93.RD	RAR067996A	-	212,623
Role of Natural Indoles in Experimental Autoimmune Encephalomyelitis	93.RD	RAT006888B	-	194,717
Targeting Protein Arginine Deiminases to Prevent Colitis and Colon Cancer	93.RD	RCA151304B	11,044	11,044
Stromal Modulation of Response to Thymidylate Synthase Inhibitors	93.RD	RCA154731B	-	87,274
Development of an Innovative Physical Activity Self-report Instrument for Youth	93.RD	RCA158577B	-	10,295
Southern Oncology Network on Adverse Reactions (SONAR) - Focus on Tyrosine Kinase Inhibitors (TKIs)	93.RD	RCA165609B	-	15,575
Southern Oncology Network on Adverse Reactions (SONAR) - Focus on Tyrosine Kinase Inhibitors (TKIs)	93.RD	RCA165609C	38,154	395,194
Macrophages in High Fat Diet Enhanced Colorectal Cancer: Regulation by miRNA-155	93.RD	RCA167058A	-	233
Building Evidence for Effective and Sustainable Cigarette Warning Label Policy	93.RD	RCA167067B	90,436	29,385
Building Evidence for Effective and Sustainable Cigarette Warning Label Policy	93.RD	RCA167067B	-	289,814
Building Evidence for Effective and Sustainable Cigarette Warning Label Policy	93.RD	RCA167067B	10,164	24,446
Building Evidence for Effective and Sustainable Cigarette Warning Label Policy	93.RD	RCA167067C	7,035	4,448
Addressing Acquiescence: Reducing Survey Error To Promote Latino Health	93.RD	RCA172283A	-	(217)
Addressing Acquiescence: Reducing Survey Error To Promote Latino Health	93.RD	RCA172283A	123,683	618,147
HER2 and the Link Between Inflammation and Cancer Stem Cells	93.RD	RCA178386A	-	(41,177)
HER2 and the Link Between Inflammation and Cancer Stem Cells	93.RD	RCA178386B	-	315,493
Evaluation of Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336A	-	62,671
Evaluation of Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336A	-	29,777
Evaluation of Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336A	-	13,311
Nano-cocktail Overcomes Multidrug-Resistance for Ovarian Cancer Therapy	93.RD	RCA188847A	-	62,127
Molecular Origin and Evolution of HPV Inactive Head and Neck Cancers	93.RD	RCA201853A	-	194,994

University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
Reducing Colorectal Cancer Disparities: Racial Differences in Colorectal Polyp Profile	93.RD	RCA202477A	22,242	123,860
Reducing Colorectal Cancer Disparities: Racial Differences in Colorectal Polyp Profile	93.RD	RCA202477A	-	70,237
Concurrent Treatment of Substance Abuse and Child Maltreatment	93.RD	RDA031780B	3,000	28,717
Concurrent Treatment of Substance Abuse and Child Maltreatment	93.RD	RDA031780C	6,000	540,577
Impact of HIV-1 Tat Protein on Cocaine-Dopamine Transporter Interaction	93.RD	RDA035714A	-	(37,266)
Impact of HIV-1 Tat Protein on Cocaine-Dopamine Transporter Interaction	93.RD	RDA035714B	117,915	362,520
Sensory-Motor Systems and Conceptual Processing in the Healthy and Impaired Brain	93.RD	RDC010783B	-	320,205
Maximizing Speech Recognition Under Adverse Listening Conditions	93.RD	RDC012506B	-	(5,791)
Maximizing Speech Recognition Under Adverse Listening Conditions	93.RD	1R01DC015465-01	92,902	247,559
Word Learning in Reading and Language Impairment Subgroups	93.RD	RDC013399A	-	8,353
Protein Succination: a Mechanistic Mediator of Adipocyte Dysfunction in Diabetes	93.RD	RD0105087A	-	74,818
Role of TRP Channels in Human Detrusor Function and Dysfunction	93.RD	RD0106964A	5,431	237,896
Estrogen-T cell Interactions	93.RD	RES019313B	-	784
Free Radical Mechanisms in Environmental Hepatotoxicity	93.RD	RES019875C	-	45,368
South Carolina Post-Baccalaureate Research Program	93.RD	RGM066526D	-	303,360
South Carolina Initiative for Minority Development	93.RD	RGM076277C	-	186,465
Glutathione and Redox Control in the Mitochondrial Intermembrane Space	93.RD	RGM086619B	-	21,534
Mechanistic Studies of Iron Regulation in Yeast	93.RD	RGM100069B	-	(38,017)
The Development of Sustained Attention in Infants	93.RD	RHD018942I	-	401,223
Maternal HIV: Developmental Neurotoxicity	93.RD	RHD043680C	-	10,163
Maternal HIV: Developmental Neurotoxicity	93.RD	RHD043680C	-	6,688
Maternal HIV: Developmental Neurotoxicity	93.RD	RHD043680D	-	279,221
Fathering Practices and Positive Development among African American Adolescents	93.RD	RHD068688B	-	(359)
Families Improving Together (FIT) for Weight Loss	93.RD	RHD072153C	12,245	25,145
Families Improving Together (FIT) for Weight Loss	93.RD	RHD072153C	-	53
Families Improving Together (FIT) for Weight Loss	93.RD	RHD072153C	67,163	499,966
Families Improving Together (FIT) for Weight Loss	93.RD	RHD072153C	-	26,910
Theory-based HIV Disclosure Intervention for Parents	93.RD	RHD074221B	89,448	393,764
Electrophysiology of Neonatal and Adult Heart	93.RD	RHL016152I	-	10,357
Physical Activity During the Transition from Elementary School to High School	93.RD	RHL091002B	109,504	811,090
Intracellular Sorting of Connexin 43 by the Ubiquitin Ligase Wwp1	93.RD	RHL104030B	-	(16,266)
Intracellular Sorting of Connexin 43 by the Ubiquitin Ligase Wwp1	93.RD	RHL104030B	-	142
Suppression of Cardiac Calcium Channels by Acute Hypoxia	93.RD	RHL107600B	-	1,605
Localized Targeting of Matrix Proteases Following Myocardial Infarction	93.RD	RHL111090B	43,626	64,263
Localized Targeting of Matrix Proteases Following Myocardial Infarction	93.RD	RHL111090B	-	(620)
Physical Activity and Nutrition Intervention in Afterschool Programs	93.RD	RHL112787B	41,577	240,211
Sparstolonin B as an Anti-Atherogenic Agent	93.RD	RHL116626A	-	(29,713)
Sparstolonin B as an Anti-Atherogenic Agent	93.RD	RHL116626B	-	331,132
Analysis of TGFβ Ligands Function in Heart Development and Disease	93.RD	RHL126705B	-	566,983
Emergence and Stability of Autism in Fragile X Syndrome	93.RD	RMH090194B	-	(5,460)
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	-	580,910
Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome	93.RD	1R01MH107573-01A1	21,140	552,201
Immunopathological Basis of PTSD	93.RD	RMH094755B	-	322,640
Online vs Staff Delivery: Child & Family Outcomes, Cost Analysis and Satisfaction	93.RD	RMH097699A	111,774	157,780
Online vs Staff Delivery: Child & Family Outcomes, Cost Analysis and Satisfaction	93.RD	RMH097699B	276,432	451,892
Quality, Economic Outcomes and Sustainability of Tele psychiatry (QUEST)(Continuation Application	93.RD	RMH100002B	72,280	46,364
Quality, Economic Outcomes and Sustainability of Tele psychiatry (QUEST)(Continuation Application	93.RD	RMH100002B	-	16,089
Quality, Economic Outcomes and Sustainability of Tele psychiatry (QUEST)(Continuation Application	93.RD	RMH100002C	174,691	422,596
Quality, Economic Outcomes and Sustainability of Tele psychiatry (QUEST)(Continuation Application	93.RD	RMH100002C	-	10,542
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	3U54CA153461055	-	67
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	3U54CA153461-0554	-	2,326
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	(1,131)
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	(21)
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	45,743
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	(891)
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	(1,740)
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	836
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	80,874
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	12,640
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	12,318
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	-	40,599
A Genetic Model for Early-Onset Breast and Colon Cancer in African Americans	93.RD	UCA158428C	67,584	36,858
A Genetic Model for Early-Onset Breast and Colon Cancer in African Americans	93.RD	UCA158428C	-	225,150
Trans-cranial Direct Current Stimulation to Treat Aphasia: Phase II Trial	93.RD	UDC011739B	-	(96,261)
Trans-cranial Direct Current Stimulation to Treat Aphasia: Phase II Trial	93.RD	UDC011739C	304,342	794,656
Regulation of Macrophages in Obesity-Enhanced Breast Cancer	93.RD	FCA183458A	-	18,456
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	4P20GM103641-05	-	78,564
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	-
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(5,586)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(505)

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, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(832)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(3,753)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(22,223)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(1,754)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(787)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(9,364)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(531)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(46,044)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(5,331)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(49)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(10,283)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(6,205)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(10,580)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641B	-	(1,921)
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	91,550
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	182,172
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	100,459
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	361,935
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	114,281
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	187,284
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	96,885
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	202,486
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	62,750
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	195,466
COBRE - Center for Dietary Supplements and Inflammation (Admin Core Year 4)	93.RD	PGM103641C	-	182,452
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	5U48DP005000-03	45,277	296,030
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	5U48DP005000-03	-	188,669
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	5U48DP005000-03	-	47,332
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	5U48DP005000-03	-	245,006
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	5U48DP005000-03S7	-	1,030
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	29,595	80,578
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	-	190,855
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	-	87,426
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	-	52,717
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000-02	-	108,163
Modifying Intrinsic Growth Capacity through Axonal mRNA Translation	93.RD	RNS041596C	-	91,898
Protein Succination as a Mediator of Neuropathology in Mitochondrial Disease	93.RD	RNS092938A	-	217,332
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	1P20GM109091-01	-	51
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	1P20GM109091-01	-	(71,245)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	1P20GM109091-01	-	(4,845)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-02	-	7,357
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-02	-	(2,372)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-02	-	(4,297)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-02	-	(20,991)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-02	-	1,230
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-02	-	1,432
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-02	-	4,498
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-04	-	16,879
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-04	-	56,909
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-04	-	38,564
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-04	-	38,716
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-04	-	32,620
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-04	-	28,087
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	5P20GM109091-04	-	9,729
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	155,552	(32,925)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	(1,441)
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	7,937
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	184,366
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	1,005,300
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	184,683

University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	180,522
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	177,694
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	129,963
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	214,229
Center For Targeted Therapeutics - Admin Core (Year 2)	93.RD	PGM109091A	-	42,134
Does Preference-based HIV Testing Increase Uptake in High Risk Populations?	93.RD	RMH106388B	290,950	449,532
Hypocretin/orexin Modulation of Cognitive Correlates of Brain Aging	93.RD	RAG050518A	29,651	221,696
Sexual Orientation and the Risk for Unintended Pregnancy Among U.S. Women of Reproductive Age	93.RD	1R40MC28314-01-00	-	5,356
Methylmercury Exposure Through Rice Ingestion, Gut Microbes, and Offspring Development	93.RD	1R21ES026412-01	34,421	141,006
Methylmercury Exposure Through Rice Ingestion, Gut Microbes, and Offspring Development	93.RD	RESO26412A	35,304	124,431
Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation	93.RD	1F32DC013934-01	-	4,674
Processing of Repair Disfluencies in Spoken Language	93.RD	1R56DC013545-01A1	-	(11,180)
Speech Entrainment Treatment for Broca's Aphasia	93.RD	1R21DC014170-01A1	-	136,409
Early Language and Literacy Acquisition in Children with Hearing Loss	93.RD	1R03DC014535-01	-	126,496
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	5P50DC014664-02	-	42,849
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	5P50DC014664-02	-	49,340
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	5P50DC014664-02	-	102,338
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	5P50DC014664-02	-	38,108
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	5P50DC014664-02	-	17,023
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	142,651	235,510
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	654,592	574,256
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	-	76,691
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	-	115,237
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	-	127,701
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	-	361,469
Center for the Study of Aphasia Recovery (C-STAR)	93.RD	PDC014664A	-	159,303
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	77,409
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	135,116
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	248,703
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	122,838
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	179,328
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	206,011
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	110,744
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	2P01AT003961-06A1	-	181,382
MicroRNA Regulation of EAE by Resveratrol	93.RD	5F32AT008539-02	-	13,464
MicroRNA Regulation of EAE by Resveratrol	93.RD	5F32AT008539-03	-	49,639
Compartmentalization of Cyclic Nucleotide Signaling in the Ventral Hippocampus	93.RD	1R01MH101130-01A1	-	355,520
Muscarinic Modulation of the Basolateral Amygdala	93.RD	1R01MH104638-01A1	-	466,752
Progression of Attentional and Executive Function Deficits in HAND	93.RD	1R01MH106392-01A1	-	434,348
Pharmacogenomic Analysis of Nicotine Dependence	93.RD	4R00DA032681-02	-	126,951
Addiction Treatment in Medicaid Health Homes	93.RD	1K01DA041628-01	-	130,231
Knock-in Mouse Model of Dopamine Transporter-Tat Interaction Underlying NeuroAIDS	93.RD	1R21DA041932-01	21,144	203,564
Pilot Study of Gender-specific Differences in Failure Resistance and Material Fatigue of Human Carotid Atherosclerotic Plaques	93.RD	REB019663A	-	86,080
Periodontal treatment to Eliminate Minority Inequality and Rural Disparities in Stroke (PREMIERS)	93.RD	RMD009738A	435,655	551,595
Periodontal treatment to Eliminate Minority Inequality and Rural Disparities in Stroke (PREMIERS)	93.RD	RMD009738A	-	16,270
Resilience-Based Psychosocial Intervention Among Children Affected by HIV/AIDS in China	93.RD	7R01NR013466-05	235,660	477,146
Innovative Spatio-temporal Survival Models Allowing Crossing Survival	93.RD	1R03CA176739-01A1	-	34,978
Regulation of Macrophages by miRNA-155 in Colon Cancer: Benefits of Quercetin	93.RD	1R21CA175636-01A1	-	12,682
Racial Disparity of MIC-1 Gene in Prostate Tumor Biology	93.RD	1R21CA179733-01A1	-	137,411
A Chemopreventive Strategy Based on Edible MicroRNAs Produced in Plants	93.RD	1R03CA181895-01A1	-	4,401
Modulation of NK Cell Activity by Dietary Product for Prostate Cancer Prevention	93.RD	7R21CA169453-03	-	(4,267)
A Geospatial Investigation of Breast Cancer Treatment	93.RD	1R15CA179355-01A1	-	93,597
Linking Macrophages to Gut Microbiota in Obesity Enhanced Colon Cancer	93.RD	1R21CA191966-01A1	1,758	85,165
Increasing Dietary Self-monitoring and Weight Loss in an mHealth Intervention	93.RD	1R21CA187929-01A1	17,515	110,767
Peers Promoting Exercise Adoption and Maintenance among Cancer Survivors	93.RD	1R01CA183849-01A1	38,085	507,381
Inhibitors of B-Raf Through the Dimerization Interface	93.RD	1R21CA191899-01A01	19,239	137,073
Cachexia in ApcMin/+ mice: The role of IL-6	93.RD	2R01CA121249-05A1	-	321,043
Cachexia in ApcMin/+ mice: The role of IL-6	93.RD	RCA121249B	-	96,331
Child Care Accessibility Index: Leveraging SC Child Care Administrative Data to Inform State CCDBG Subsidy Policies	93.RD	90YE0176-01-00	12,340	44,028
Colorectal Cancer Screening Program in South Carolina	93.RD	1NUS8DP006137-01-00	28,633	37,474
Colorectal Cancer Screening Program in South Carolina	93.RD	15DP006137	-	(863)
Colorectal Cancer Screening Program in South Carolina	93.RD	15DP006137	236,689	110,698
Colorectal Cancer Screening Program in South Carolina	93.RD	15DP006137	-	585,500
Physical Activity During the Transition from Elementary School to High School	93.RD	3R01HL091002-0751	-	7,473
Children's Dietary Recalls: Prompts, Retention Interval, and Accuracy	93.RD	7R01HL103737-04	-	(2,827)
Children's Dietary Recalls: Prompts, Retention Interval, and Accuracy	93.RD	7R01HL103737-04	-	(2,514)
DIDACTIC: Dissemination and Implementation of a Diet and Activity Community Trial In Churches	93.RD	1R01HL122285-01	225,735	557,511
DIDACTIC: Dissemination and Implementation of a Diet and Activity Community Trial In Churches	93.RD	RHL122285A	-	46,938
Utilizing Physical Activity Coordinators to Increase Physical Activity Among Youth	93.RD	R21HL121692	-	533
TRB3: A Novel Mediator for Denervation-induced Muscle Atrophy	93.RD	1R03AR066825-01A1	-	38,216
KCNQ Channels of the Urinary Bladder: A Functional Role and Therapeutic Potential	93.RD	1F31DK104528-01	-	31,514

University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
Succination Promotes ER Stress & CHOP Stability; Novel Role for CHOP in the Metabolic Function of Adipocytes in Diabetes	93.RD	1F31DK108559-01	-	16,578
Succination Promotes ER Stress & CHOP Stability; Novel Role for CHOP in the Metabolic Function of Adipocytes in Diabetes	93.RD	5F31DK108559-02	-	27,486
Modifying Intrinsic Growth Capacity through Axonal mRNA Translation	93.RD	2R01NS041596-10A1	188,252	424,411
Functions of Heparan Sulfate Proteoglycans in Axon Guidance and Degeneration.	93.RD	4R00NS083714-03	-	253,686
Regulation of Kainate-Type Glutamate Receptors by Auxiliary Subunits	93.RD	1R03NS088858-01A1	-	19,261
Antagonistic Roles of HuD and KSRP for mRNA stability in Neuronal Growth	93.RD	1R01NS089633-01A1	264,937	507,597
Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria	93.RD	1R01AI120987-01	-	188,780
Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria	93.RD	1R01AI120987-01	-	77,950
Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria	93.RD	1R01AI120987-01	-	74,964
Metallopolymer and Antibiotic Bioconjugates against Multidrug Resistant Bacteria	93.RD	RA120987A	-	78,370
Mechanisms of the Effect of HIV Disclosure on Clinical Outcomes: A Longitudinal Study	93.RD	1R21AI122919-01A1	44,100	135,591
Ubiquitin-mediated Regulation of the RAD51D Homologous Recombination Protein	93.RD	1R15GM110615-01	-	82,552
Roles of the Mammalian CST Complex in DNA Replication and Chromosome Cohesion	93.RD	4R00GM104409-02	-	212,394
Mechanisms of Iron and Thiol Redox Regulation in Yeast	93.RD	1R35GM118164-01	-	480,636
Policy to Practice: Statewide Rollout of YMCA Childhood Obesity Standards	93.RD	1R01HD079422-01	48,649	468,692
Social Mechanisms for Promoting Youth Physical Activity in Afterschool Programs	93.RD	1R21HD077357-01A1	-	102,620
Turn Up the HEAT - Healthy Eating and Activity Time in Summer Day Camps	93.RD	1R01HD079372	25,943	578,169
Promoting Healthy Weight in Pregnancy and Postpartum among Overweight/Obese Women	93.RD	1R01HD078407-01A1	17,510	383,461
Promoting Healthy Weight in Pregnancy and Postpartum among Overweight/Obese Women	93.RD	3R01HD078407-03S1	-	18,189
Mothers' Education after Childbearing and Family Well-being	93.RD	7R03HD073312-03	-	6,034
Targeted Engagement of the Premotor-Prefrontal Motor Circuit after Stroke	93.RD	1R03HD087481-01	-	69,304
Neurodevelopmental Outcomes Associated with Care Setting in Children Orphaned by AIDS	93.RD	1R21HD087108-01A1	66,689	160,132
Modeling and Estimation of Nonlinear Quantile Effects in Child Health Research	93.RD	1R03HD084807-01A1	-	64,926
Community-Generated Palliative Care Telemedicine for Rural Black and White Elders	93.RD	1R21AG046772-01A1	3,949	58,889
Validating Triage for Chemical Mass Casualty Incidents - A First Step	93.RD	1R01LM011648-01A1	50,842	473,202
Validating Triage for Chemical Mass Casualty Incidents - A First Step	93.RD	1R01LM011648-01A1	-	15,013
Brain Targeted Nanoparticle for Alzheimer's Disease Therapy	93.RD	1R01AG054839-01A1	-	54,590
Evaluating a Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336B	-	258,599
Evaluating a Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336B	-	21,392
HIV/Cocaine Neurotoxicity in Females	93.RD	2R01DA013137-16	-	93,291
I ² cell dysfunction during aging: Studies on the role of p21 in the regulation of the Unfolded Protein Response	93.RD	1R03AG051976-01A1	-	58,682
Modulation of Host Intrinsic Immunity to Reduce Prostate Cancer Disparity	93.RD	1R01CA204786-01	-	65,041
Neural Microcircuit Selection by Astrocyte Signaling Following Cocaine Exposure	93.RD	1R01DA041513-01A1	-	86,499
ParkIndex: A tool for advancing parks and public health research and practice	93.RD	1R21CA202693-01A1	26,223	85,464
Pilot Project: Identification of Novel Targets which can Enhance PARP1 Inhibitor Therapy	93.RD	5P20GM109091-04	-	747
Therapeutic Targeting of Tissue Inhibitor-4 in Hypertrophy and Failure	93.RD	1R01HL130972-01A1	-	280,781
Therapeutic Targeting of Tissue Inhibitor-4 in Hypertrophy and Failure	93.RD	3R01HL130972-01A1S1	-	9,820
Trials and ReseArch Networks FOR More (TRANSFORM)-South Carolina	93.RD	1UG1HD090909-01	38,298	94,731
Trials and ReseArch Networks FOR More (TRANSFORM)-South Carolina	93.RD	8UG1OD024956-02	2,164	36,137
Voltammetric Determination of Neuronal Serotonin and Histamine Co-Regulation	93.RD	1R21MH109959-01A1	-	125,076
Passed through programs from:				
American International Health Alliance				
University of West Indies (UWI), Jamaica/University of South Carolina Twinning Project Partnership to Support Infectious Disease Post-Graduate Fellowship Training at UWI	93.RD	H-F0-JAM-14-P-PTR-SCWI-00	-	(66)
Association of University Centers on Disabilities				
AUCD Technical Assistance on Medicaid Data	93.RD	1U38OT000140-02	-	(123)
Baystate Medical Center				
Impact of Health Reform on Outpatient Abuse Treatment Programs	93.RD	15258-SC	-	10,679
Boston University				
Modeling Agreement in Cancer Diagnostic Tests	93.RD	4500001491	-	27,900
Brandeis University				
Subcontract from Brandeis University - South Carolina Oplod Safety Initiative in the Military (SCOSI-M)	93.RD	402269	-	44,886
Subcontract from Brandeis University - South Carolina Oplod Safety Initiative in the Military (SCOSI-M)	93.RD	402269	-	(6,532)
Subcontract from Brandeis University - South Carolina Oplod Safety Initiative in the Military (SCOSI-M)	93.RD	402269	-	14,999
Case Western Reserve University				
Subaward: Hub Health Study: A research proposal in response to Time-Sensitive Obesity Policy and Program Evaluation	93.RD	RES510055; 1R01DK108184-0	-	(41)
Subaward: Hub Health Study: A research proposal in response to Time-Sensitive Obesity Policy and Program Evaluation	93.RD	RES510055	-	27,268
Cincinnati Children's Hospital Medical Center				
TCD with Transfusions Changing to Hydroxyeura-Subaward with Cincinnati Children's--Amendment	93.RD	136444	-	(511)
Children's Hospital of Philadelphia				
COG NCORP Research Base	93.RD	23344	-	5,079
Children's Trust Fund of South Carolina				
Children's Trust MIECHV Workforce Evaluation	93.RD	2016USC02	-	41,230
Children's Trust MIECHV Workforce Evaluation	93.RD	2016USC02	-	100,699
MIECHV - Competitive Grant	93.RD	CHILDREN'S TRUST	22,739	6,978
MIECHV - Competitive Grant	93.RD	CHILDREN'S TRUST	-	187,043
MIECHV - Competitive Grant	93.RD	CHILDREN'S TRUST	-	35,108
Use of an Innovative Evaluation Technique to Evaluate the Impact of the Pregnancy Assistance Fund in South Carolina	93.RD	C-OAH-2013-1A2	-	19,226

University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
Passed through programs from:				
Clemson University				
Theranostic approach to treat abdominal aortic aneurysms	93.RD	1935-209-2011885	-	471
P30: Realizing Improved Patient Care through Human-centered Design in the Operating Room (RIPCHD.OR) Learning Lab	93.RD	1823-209-2010985	-	5,324
Columbia University				
Subcutaneously Implantable Affinity Microsensor for Stable and Accurate Monitoring of Glucose	93.RD	1(GG007864)	-	34,983
Connecting Health Innovations				
Developing the Dietary Inflammatory Index for Clinical Application (subcontract)	93.RD	CONNECTING HEAL	-	(232)
Developing the Dietary Inflammatory Index for Clinical Application (subcontract)	93.RD	R44DK103377-02	-	133,548
Craig H. Neilsen Foundation				
Effects of the SCI Microenvironment on Intra-Axonal Signaling	93.RD	232566-5826	-	210,717
Davidson College				
Precision Glycopolymer Bacteriochlorin Conjugates for Biomedical Applications	93.RD	OGC 2015-16	-	30,536
Duke University				
MINT - mHealth-Assisted Conditional Cash Transfers to Improve Timeliness of Childhood Vaccinations	93.RD	203-5317	-	48,888
Subaward: Investigating Febrile Deaths In Tanzania (INDITE)	93.RD	2035472	-	7,391
Emory University				
Reducing Racial Disparities in Access to Kidney Transplantation: the RaDIANT Regional Study	93.RD	T761720 T605656	-	4,349
Reducing Racial Disparities in Access to Kidney Transplantation: the RaDIANT Regional Study	93.RD	T605656	-	32,542
Enformia, Inc				
Platform for Collaborative Bio-Signal Data Management and Analysis - Sub-Contract with Enformia, Inc.	93.RD	ENFORMIA INC	-	(3,839)
Environment and Health Group, Inc.				
mHealth for ART adherence by HIV+ African Americans age 45 & older	93.RD	2R44MD007161-03	-	93,424
Mobile Telecare for Underserved African-American Elders with Heart Failure	93.RD	1R43MD008661-01	-	6,435
Usability of Self-Directed Online Training Intervention for Chinese Dementia Caregivers	93.RD	15590FB18	-	26,977
Georgia Institute of Technology				
Telerobotics Research	93.RD	RF543-G2	-	34,469
Greenville Health System				
GHS-REACH - A Caregiver coaching intervention for High Risk Patient/Caregivers to Extend Dementia Capable Services	93.RD	7315-2	-	67,798
Indoor Biotechnologies, Inc.				
Antigenic Determinants of Asthma-Associated for Design of Immunotherapy	93.RD	R01A1077653	-	106,277
Long Island Head Start				
Long Island Head Start Program and University of South Carolina Center for Child and Family Studies	93.RD	15900FJ85	-	2,940
LiveWell Greenville				
Assessment of Park Quality Improvements and Inequities between 2014 and 2017	93.RD	11570FB23	-	16,722
Mary Black Foundation				
Evaluation Services for Mary Black Foundation's OAH1B Grant	93.RD	93297	-	243
Evaluation Services for Mary Black Foundation's OAH1B Grant	93.RD	TP1AH0001190100	-	57,645
McKing Consulting Corporation				
Convening Sector Representatives to Increase Walking and Walkable Communities - Sub-contract with McKing Consulting	93.RD	USC-04-4574	-	3,523
Convening Sector Representatives to Increase Walking and Walkable Communities - Sub-contract with McKing Consulting	93.RD	USC-04-4574	-	958
Medical University of South Carolina				
Enhanced Practice Transformation and Population Health Training for Interprofessional Trainees and Faculty	93.RD	MUSC16-098-8C311	-	55,709
Evaluating How Tobacco Control Policies are Shaping the Nicotine Delivery Market	93.RD	MUSC16-042-8B807 - EXTEND	-	56,409
Collaborating with Community Agencies to Promote Youth Empowerment in Mental Health	93.RD	UL1TR001450	-	3,179
Development Of Predictive Models For The Causes And Costs Of Re-hospitalization, Outpatient Surgery, And ED Visits In The First 10 Years After Traumatic SCI.	93.RD	MUSC16-099-8C322	-	9,025
Biomarkers in Autism of Aripiprazole and Risperidone Treatment (BAART)	93.RD	MUSC10-124	-	(3)
Genetic and Environmental Influences on SLE and Lupus-Related Autoimmunity	93.RD	MUSC12-085	-	(3,429)
Brief, Novel Smoking Cessation in Primary Care: A Comparative Effectiveness Trial	93.RD	MUSC13-068	-	328,346
Brain Connectivity Supporting Language Recovery in Aphasia	93.RD	MUSC14-031	-	99,783
Subaward: Novel Intervention Linking Public Housing with Primary Care to Prevent Diabetes	93.RD	MUSC14-054	-	1,409
Crest 2	93.RD	MUSC14-050	-	1
Crest 2	93.RD	MUSC14-050	-	2,985
South Carolina Collaborative Alliance for Stroke Trials-(SC-CoAST)- USC Subaward	93.RD	MUSC13-069	-	1,558
South Carolina Collaborative Alliance for Stroke Trials-(SC-CoAST)- USC Subaward	93.RD	MUSC13-069	-	47,177
Complement-factor H-based Therapeutics in an Age-related Macular Degeneration	93.RD	MUSC14-084	-	60,293
South Carolina Clinical and Translational Research Institute - HSSC Subcontract	93.RD	MUSC15-104	-	130,647
South Carolina Cancer Health Equity Consortium (SC CHEC)	93.RD	MUSC15-076	-	(7,026)
Intervention to Improve Quality of life for African-American Lupus patients (IQAN)	93.RD	MUSC15-099	-	(1,859)
MicroVide LLC				
Reversal of Myocardial Infarction by Localized Stimulation	93.RD	MICROVIDE /NIH	-	5,174
NORC University of Chicago				
NCS Vanguard Central ROC Task Order 3 NCS Health Measurement Data Collection - Sub-contract with NORC	93.RD	7423USC PATE.TO	-	4,038
PPI Pharmaceuticals, LLC				
Polo-box PLK1 inhibitors target tumors resistant to ATP competitive compounds	93.RD	RISK	-	9,785
Spartanburg Regional Medical Center				
Research Supplements to Promote Diversity - Individualizing Colon Cancer Therapy Using Hybrid RNA and DNA Mol. Signature	93.RD	U01CA157960-04SN04	-	29,521

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, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
Passed through programs from:				
Texas Tech University				
University of South Carolina Subaward: Impact of Video Games on Underserved Children's Health	93.RD	21F086-03	-	856
The Ohio State University				
Sub-award NIH-RO1: HIV Nucleocapsid Protein and Gag Polyprotein Nucleic Acid Chaperone Activity	93.RD	60048848	-	10,388
The University of Nebraska-Lincoln				
Group Testing for Infectious Disease Detection: Mutliple Assays and Back-end Screening	93.RD	24-0548-0008-004	-	52,133
The Regents of the University of California				
Integrative Functions of the Planum Temporale	93.RD	2015-3293	-	130,450
Multisectoral Agricultural Intervention to Improve Food Security, Prevent Treatment Failure, and Reduce Co-Morbidities Among People Living with HIV in Kenya	93.RD	9343sc	-	49,863
Trustees of Dartmouth College				
Cinema Smoking and Youth Smoking in Latin America	93.RD	1066	-	129,735
Remote Acculturation, U.S. Media Exposure, and Cigarette Smoking Among Mexican Youth	93.RD	R782	-	50,864
University of Connecticut				
Multi-Sectoral Agricultural Intervention to Improve Nutrition, Health, and Developmental Outcomes of HIV-infected and Affected Children in Western Kenya	93.RD	136059	-	10,615
University of California, Davis				
Adapting and Testing an Alzheimer's Family Caregiver Intervention in Vietnam	93.RD	201602016-02	-	46,697
University of Michigan				
Educational Pathways and Smoking Among US Young Adults: A Cohort Comparison	93.RD	5R24AG045061-03	-	10,000
University of Michigan Subaward: A Positive PATH (Promoting Activity and Trajectories of Health) for Children	93.RD	3004173082	-	17,319
University of Kentucky				
GMaP Subcontract with University of Kentucky	93.RD	321000037417060	-	46,020
GMaP Subcontract with University of Kentucky	93.RD	321000037417060	-	12,147
GMaP Subcontract with University of Kentucky	93.RD	321000011216065	-	26,278
University of South Dakota				
NRF2 Signaling in the Cross-Talk between Proteasomal and Lysosomal Degradation	93.RD	UP1700008A	-	40,004
University of North Carolina at Chapel Hill				
Promoting Physical Activity in Young Adult Cancer Survivors using mHealth and Adaptive Tailored Feedback Strategies	93.RD	5107215	-	7,173
University of Illinois				
Improving Sickle cell care in Adolescents & Adults in Chicago (ISAAC) subcontract from U. of Illinois-Chicago	93.RD	16045	-	64,632
University of Alabama at Birmingham				
Conformational Dynamics & Allosteric Regulation During Stress-Responsive Metallocofactor Assembly	93.RD	UA15-040	-	81,070
Conformational Dynamics & Allosteric Regulation During Stress-Responsive Metallocofactor Assembly	93.RD	UA15-040	-	23,700
University of Central Florida				
University of Central Florida Subaward: Project HARMONY	93.RD	14276042-01	-	88,458
University of Central Florida Subaward: Project HARMONY	93.RD	14276042-01	-	30,505
University of Iowa				
Neural Mechanisms of Vocal Communication in the Human Brain	93.RD	W000828030	-	50,529
University of Kansas Center for Research				
Exposure and Emotion Regulation as Predictors of Adjustment to Trauma	93.RD	FY2016-116	-	117,817
University of North Carolina				
SEARCH Nutrition Ancillary Study 2 (SNAS2)	93.RD	5-34496	-	26,824
Population-base Diabetes in Youth Registry	93.RD	5102576	-	15,950
Population-base Diabetes in Youth Registry	93.RD	5102576	-	45,272
University of Massachusetts				
Identification of Citrullinated Biomarkers of Inflammatory Diseases and Cancer	93.RD	WA00228171/RFS2015070	-	57,073
University of Pennsylvania				
Surgery to Prevent Postinfarction Ventricular Remodeling - Subcontract	93.RD	2R01HL06395414A	-	190,231
University of Pittsburgh				
A Promotora-mediated, Family-based Intervention to Prevent Obesity in Latino Preschool Children - Sub-contract with University of Pittsburgh	93.RD	0045199(125081-1)	-	56,630
University of South Florida				
The Study of Epigenetics and Infections in the TEDDY Study	93.RD	6163-1017-00-AV FINAL DUE ;	-	126,142
The TEDDY Study	93.RD	6119-1276-00-AV	-	(37)
The TEDDY Study	93.RD	6119-1276-00-AV	-	(10,259)
University of Southern Mississippi				
Subcontract: Determining the Mechanisms Governing Transmissibility among Amyloid-Beta Oligomers	93.RD	USM-GR05433-01	-	68,274
University of Texas Health Sciences Center				
Subaward: ENLACE: A Promotora-Led Physical Activity Intervention Trial for Latinas in Texas	93.RD	158484-158173	-	248
Subaward: ENLACE: A Promotora-Led Physical Activity Intervention Trial for Latinas in Texas	93.RD	160128/160125	-	101,890
University of Vermont				
Skeletal Muscle Atrophy and Dysfunction in Human Cancer - Sub-contract with University of Vermont School of Medicine	93.RD	30704SUB52097	-	1,721
Internet Assisted Obesity Treatment: Enhanced by Motivational Interviewing	93.RD	24030UOFSC	-	(79,803)
Internet Assisted Obesity Treatment: Enhanced by Motivational Interviewing	93.RD	29177SUB51777	14,636	365,455
Virginia Commonwealth University				
RFID based Wireless System for Self-powered Implantable Pediatric Cardiac Sensors	93.RD	FP00004110_SA001	-	46,895
Wake Forest Baptist Medical Center				
Utilizing Physical Activity Coordinators to Increase Physical Activity among Youth - Sub-contract with Wake Forest - Baptist Medical Center	93.RD	WFUHS112216	-	33,415
Washington University				
Preventing Conduct Disorder Among Children in the Child Welfare System-Subcontract	93.RD	WU-16-332	-	6,672
Evaluation of Training and Technical Assistance Activities to Increase Implementation of Evidence-Based Cancer Prevention and Control (NCI Supplement / USC Subcontract)	93.RD	WU-17-216	-	76,113

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, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
Passed through programs from:				
Wayne State University				
Scale It Up: Effectiveness-Implementation Research to Enhance HIV-Related Self-Management among Adolescents and Young Adults - Analytic Core for U19 Application	93.RD	WSU17012	-	120,161
Winifred Masterson Burke Medical Research Institute				
HDAC6 is a Target for Neuroprotection (R01NX071056-04)	93.RD	BL3869-004	-	(954)
Yale University				
Molecular Imaging Predicts Atrial Remodeling and Fibrillation Vulnerability	93.RD	M13A11592(A09485)	-	49,689
South Carolina Campaign to Prevent Teen Pregnancy				
Expanding the Reach of Effective Teen Pregnancy Prevention Programs in High Need South Carolina Communities (Tier 1B) (OAH1B)	93.RD	1TP1AH000133-01-00	-	8,223
Expanding the Reach of Effective Teen Pregnancy Prevention Programs in High Need South Carolina Communities (Tier 1B) (OAH1B)	93.RD	OAH1B	-	(266)
South Carolina Department of Health and Environmental Control				
Healthy South Carolina Initiative: Community Transformation Plan	93.RD	CY-4-509	-	(30,097)
Healthy South Carolina Initiative: Community Transformation Plan	93.RD	CY-4-509	-	(1)
Healthy South Carolina Initiative: Community Transformation Plan	93.RD	CY-4-509	-	395,000
South Carolina Muscular Dystrophy Surveillance System	93.RD	MC-15-011	-	106,043
South Carolina Muscular Dystrophy Surveillance System	93.RD	MC-15-011	-	166,073
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	-	4,131
South Carolina Department of Health and Human Services				
Data Translation and Interpretation, Evaluation, Research and Technical Assistance SC Medicaid Program	93.RD	A201710239A	-	(145)
SC DHHS Palmetto Coordinated System of Care Evaluation	93.RD	A201812156A	-	2,447
SC DHHS Palmetto Coordinated System of Care Evaluation	93.RD	A201812156A	-	869
SC DHHS Palmetto Coordinated System of Care Evaluation	93.RD	A201812156A	-	31,971
South Carolina Research Foundation				
Evaluation of a Law Enforcement Motor-Vehicle Crash Prevention Program	93.RD	212-2014-M58154	-	3,743
Evaluation of a Law Enforcement Motor-Vehicle Crash Prevention Program	93.RD	212-2014-M58154	-	26,455
Type 1 Diabetes TrialNet: Natural History of the Development of Type 1 Diabetes	93.RD	0000137866/0000145802	-	14,720
Platelet-Oriented Inhibition in New TIA	93.RD	1U01NS026835-01A1	-	1,558
Language Development in Fragile X Syndrome	93.RD	201118600-01	-	173,937
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	(7,027)
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	2,052
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	(2,397)
Studying Community Programs to Reduce Childhood Obesity - Sub-contract with Battelle Memorial Institute	93.RD	236804	-	77,558
Adoptive Transfer of Immunity Elicited by Attenuated HIV Vaccines	93.RD	317K310	-	5,399
Cytoskeletal Oscillations: Mathematical Modeling Integrated with Experiments	93.RD	5-33150	-	26,528
Pathways from Food Insecurity to Treatment and Health Outcomes in Women with HIV	93.RD	74405C	-	52,164
Maternal Methyl mercury Exposure Through Rice Ingestion and Offspring Development	93.RD	RES022409A	-	(1,464)
Rural Health Research Center Cooperative Agreement 2014-2015	93.RD	U1CRH037111CO	-	(3,555)
Rural Health Research Center Cooperative Agreement 2014-2015	93.RD	15U1CRH037111	6,334	102,012
Rural Health Research Center Cooperative Agreement 2014-2015	93.RD	1UCRH305390102	-	128,846
Rural Health Research Center Cooperative Agreement 2014-2015	93.RD	15U1CRH037111	-	10,230
Systolic Blood Pressure Intervention Trial(SPRINT)	93.RD	WVUHS30215	-	33,410
Air Pollution, Subclinical CVD and Inflammatory Markers in the SEARCH Cohort	93.RD	2036107	-	(6,140)
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	2,596,097	2,470
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	1,417,774
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	19,532	54,575
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	9,495	78,658
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	-	1,512,305
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	5U01DD001007-05	17,450	166,294
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	5U01DD001007-05	-	58,557
Injury-Induced Pain: Chemical Modulation of Nociceptors	93.RD	2001362978	-	(7,614)
Total U.S. Department of Health and Human Services			8,257,028	47,477,387
Executive Office of the President				
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	27,000	27,000
Analysis of Drug-Involved Driving Data from the Fatality Analysis Reporting System: An Update and Extension through 2014	95.RD	G14USCAROLINA1	5,515	5,940
Total Executive Office of the President			32,515	32,940
U.S. Department of Homeland Security				
Passed through programs from:				
Louisiana State University				
Multi-scale Spatio-temporal Evaluation of Mitigation Effectiveness in Reducing Natural Hazard Damage and Loss	97.RD	96969	-	2,287

University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Homeland Security, continued				
Passed through programs from:				
South Carolina Emergency Management Division				
Emergency Warning System USC Beaufort Pre-application	97.RD	4166-DR-SC	-	5,166
South Carolina Universities Research and Education Foundation				
Nuclear Forensics Undergraduate Scholarship Program	97.RD	NF13001	-	79,436
Nuclear Forensics Minority Serving Institution Collaboration Award Program	97.RD	NF13006	44,505	76,242
Nuclear Forensics Graduate Fellowship Program - Formerly MUSC	97.RD	2012-DN-130-NF0001	-	465,566
University of North Carolina				
E2E Project: Identifying and Analyzing the Driving Forces of Hurricane Recovery for Disaster Stricken Areas to Improve Long-term Planning	97.RD	5-36314	-	(35)
Total U.S. Department of Homeland Security			44,505	628,662
Total Research and Development Cluster			11,393,986	89,514,305
Student Financial Assistance Cluster				
U.S. Department of Education				
SEOG 2016-2017 AIKEN	84.007	P007A167399	-	104,600
SEOG 2016-2017 BEAUFORT	84.007	P007A168840	-	75,000
SEOG 2016-2017 COLUMBIA	84.007	P007A163813	-	551,608
SEOG 2016-2017 REGIONAL CAMPUSES	84.007	P007A163812	-	134,209
SEOG 2016-2017 USC UPSTATE	84.007	P007A167400	-	194,717
SEOG 2014 - 2015 Beaufort	84.007	P007A148840	-	(3,791)
SEOG 2014-2015 Columbia	84.007	P007A143813	-	79,248
SEOG 2015-2016 Beaufort	84.007	P007A158840	-	1,565
SEOG 2015-2016 Columbia	84.007	P007A153813	-	(234,171)
SEOG 2015-2016 Upstate	84.007	P007A157400	-	(44,124)
College Work-Study Clearing Acct-Federal Regionals	84.033	P033A143812	-	892
FWS 2014-2015 Beaufort	84.033	P033A148840	-	2,526
College Work Study Clearing Account	84.033	P033A137400	-	(471)
FWS UPSTATE 2016-2017	84.033	P033A167400	-	61,276
FWS MASTER 2YR CAMPUS 2015-2015 LANCASTER	84.033	P033A143812	-	5,240
FWS MASTER 2YR CAMPUS 2015-2015 SALKEHATCHIE	84.033	P033A143812	-	3,400
FWS MASTER 2YR CAMPUS 2015-2015 SUMTER	84.033	P033A143812	-	3,385
FWS MASTER 2YR CAMPUS 2015-2015 UNION	84.033	P033A143812	-	4,046
FWS MASTER 2YR CAMPUS 2015-2016 LANCASTER	84.033	P033A153812	-	(5,240)
FWS MASTER 2YR CAMPUS 2015-2016 SALKEHATCHIE	84.033	P033A153812	-	(1,150)
FWS MASTER 2YR CAMPUS 2015-2016 SUMTER	84.033	P033A153812	-	(2,061)
FWS MASTER 2YR CAMPUS 2015-2016 UNION	84.033	P033A153812	-	(939)
FWS 2015-2016 MASTER-2YR CAMPUS	84.033	P033A153812	-	1,415
FWS Community Service-Clearing Account Columbia	84.033	P033A133813	-	42,217
FWS Community Service-Clearing Account Columbia	84.033	P033A133813	-	10,695
FWS JOB LOCATION & DEVELOPMENT 2016-2017	84.033	P033A163813	-	49,707
FWS Job Location & Development 2014-2015	84.033	P033A143813	-	(300)
FWS 2015-2016 Beaufort	84.033	P033A158840	-	12,717
FWS 2015-2016 Columbia	84.033	P033A153813	-	638,570
FWS Job Location & Development 2015-2016	84.033	P033A153813	-	(6)
FWS 2016-2017 AIKEN	84.033	P033A167399	-	94,143
FWS 2016-2017 BEAUFORT	84.033	P033A168840	-	34,780
FWS 2016-2017 COLUMBIA	84.033	P033A163813	-	889,812
FWS 2016-2017 LANCASTER	84.033	P033A163812	-	41,877
FWS 2016-2017 MASTER 2 YR CAMPUS	84.033	P033A163812	-	(1,415)
FWS 2016-2017 SALKEHATCHIE	84.033	P033A163812	-	60,143
FWS 2016-2017 SUMTER	84.033	P033A163812	-	44,502
FWS 2016-2017 UNION	84.033	P033A163812	-	30,972
FWS 2015-2016 Upstate	84.033	P033A157400	-	57,361
Federal Perkins Loan Program Aiken	84.038	P038A153812	-	800,668
Federal Perkins Loan Program Columbia	84.038	P038A153812	-	14,255,023
Federal Perkins Loan Program 2 Year Campuses	84.038	P038A153812	-	248,502
Federal Perkins Loan Program Lancaster	84.038	P038A153812	-	367,307
Federal Perkins Loan Program Salkehatchie	84.038	P038A153812	-	373,473
Federal Perkins Loan Program Sumter	84.038	P038A153812	-	250,515
Federal Perkins Loan Program Union	84.038	P038A153812	-	254,967
Federal Perkins Loan Program Upstate	84.038	P038A153812	-	859,667
Pell Grant Admin Allow FY 1617	84.063	P063Q162200	-	26,845
PELL GRANT ADMIN ALLOW UPSTATE 2014-2015	84.063	P063Q142877	-	35
PELL GRANT PROGRAM 2015-2016 LANCASTER	84.063	P063P153261	-	(297)
PELL GRANT PROGRAM 2015-2016 SALKEHATCHIE	84.063	P063P153261	-	1,444
PELL GRANT PROGRAM 2015-2016 SUMTER	84.063	P063P153261	-	68
Iraq and Afghanistan Service Grant	84.063	P408A162200	-	10,839
PELL GRANT 2016-2017 AIKEN	84.063	P063P162201	-	6,058,798
PELL GRANT 2016-2017 BEAUFORT	84.063	P063P165738	-	3,960,120
PELL GRANT 2016-2017 COLUMBIA	84.063	P063P162200	-	22,373,968
PELL GRANT ADMINISTRATIVE ALLOW FY 2016-2017 USC UPSTATE	84.063	P063Q162877	-	13,755

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
Student Financial Assistance Cluster, continued				
U.S. Department of Education, continued				
PELL GRANT ADMINISTRATIVE ALLOWANCE 2016-2017 AIKEN	84.063	P063Q162201	-	7,225
PELL GRANT ADMINISTRATIVE ALLOWANCE 2016-2017 BEAUFORT	84.063	P063Q165738	-	4,880
PELL GRANT ADMINISTRATIVE ALLOWANCE 2016-2017 REGIONAL CAMPUSES	84.063	P063Q163261	-	8,120
PELL GRANT PROGRAM 2016-2017 COLUMBIA	84.063	P063P162877	-	11,309,274
PELL GRANT PROGRAM 2016-2017 LANCASTER	84.063	P063P163261	-	2,200,429
PELL GRANT PROGRAM 2016-2017 SALKEHATCHIE	84.063	P063P163261	-	2,243,773
PELL GRANT PROGRAM 2016-2017 SUMTER	84.063	P063P163261	-	1,206,908
PELL GRANT PROGRAM 2016-2017 UNION	84.063	P063P163261	-	879,028
Pell Grant Admin Allow FY 2014-2015 Aiken	84.063	P063Q142201	-	25
Pell Grant 2014-2015 Columbia	84.063	P063P142200	-	(17)
Pell Grant 2015-2016 Aiken	84.063	P063P152201	-	2,927
Pell Grant Admin Allow 2015-2016 Aiken	84.063	P063Q152201	-	95
Pell Grant 2015-2016 Beaufort	84.063	P063P155738	-	741
Pell Grant Admin Allow 2015-2016 Beaufort	84.063	P063Q155738	-	75
Pell Grant Admin Allow 2015-2016 Columbia	84.063	P063Q152200	-	275
Pell Grant 2015-2016 Columbia	84.063	P063P152200	-	(6,028)
Pell Grant Admin Allow 2015-2016	84.063	P063Q152877	-	150
Pell Grant 2015-2016 Upstate	84.063	P063P152877	-	(2,239)
Pell Grant Admin Allow 2015-2016	84.063	P063Q153261	-	320
Direct Loan Aiken 2014-2015	84.268	P268K152201	-	(389)
Direct Loan Aiken 2015-2016	84.268	P268K162201	-	2,181
DIRECT LOAN PROGRAM 2016-2017 AIKEN	84.268	P268K172201	-	17,511,666
Direct Loan Beaufort 2015-2016	84.268	P268K165738	-	22,397
DIRECT LOAN PROGRAM 2016-2017 BEAUFORT	84.268	P268K175738	-	12,154,636
Direct Loan Sumter 2015-2016	84.268	P268K166800	-	(1,191)
DIRECT LOAN PROGRAM 2016-2017 SUMTER	84.268	P268K176800	-	1,608,804
Direct Loan Lancaster 2015-2016	84.268	P268K166804	-	4,603
DIRECT LOAN PROGRAM 2016-2017 LANCASTER	84.268	P268K176804	-	3,091,362
Direct Loan Salkehatchie 2015-2016	84.268	P268K166799	-	2,034
DIRECT LOAN PROGRAM 2016-2017 SALKEHATCHIE	84.268	P268K176799	-	3,118,156
Direct Loan Union 2015-2016	84.268	P268K166852	-	2,226
DIRECT LOAN PROGRAM 2016-2017 UNION	84.268	P268K176852	-	1,360,056
Direct Loan Upstate 2015-2016	84.268	P268K162877	-	(1,349)
DIRECT LOAN PROGRAM 2016-2017 USC UPSTATE	84.268	P268K172877	-	33,734,328
Direct Loan Columbia 2015-2016	84.268	P268K162200	-	54,908
DIRECT LOAN PROGRAM 2016-2017 COLUMBIA	84.268	P268K172200	-	233,617,753
TEACH GRANT 2016-2017 USC AIKEN	84.379	P379T172201	-	33,552
TEACH GRANT 2016-2017 COLUMBIA	84.379	P379T172200	-	85,579
TEACH GRANT 2016-2017 USC UPSTATE	84.379	P379T172877	-	48,462
Total U.S. Department of Education			-	377,098,387
U.S. Department of Health and Human Services				
Columbia Nursing Faculty Loan Program	93.264	NONE	-	94,384
Nurse Faculty Loan Program 2014	93.264	EP1HP28846-02-00	-	107,330
Health Professions Student Loan - Columbia Pharmacy	93.342	NONE	-	78,241
Health Professions Student Loan - Columbia Primary Care	93.342	NONE	-	4,490
Columbia Four Year Nursing Program	93.364	NONE	-	169,404
Columbia Master Nursing Program	93.364	NONE	-	29,700
Total U.S. Department of Health and Human Services			-	483,599
Total Student Financial Assistance Cluster			-	377,581,986
TRIO Cluster				
U.S. Department of Education				
Student Support Services	84.042	P042A150610	-	20,000
Talent Search Program	84.044	P044A160017	-	333,309
Talent Search Program	84.044	P044A110078	-	69,973
University of South Carolina Columbia Upward Bound Program	84.047	P047A170639	-	28,165
USC Lancaster Upward Bound	84.047	P047A171434	-	14,366
Educational Opportunity Centers Program	84.066	P066A110032	-	68,421
Ronald E. McNair Post Baccalaureate Achievement Program	84.217	P217A120040	-	249,635
Passed through programs from:				
South Carolina Research Foundation				
Student Support Services (SSS)	84.042	P042A101162	-	(8,250)
Student Support Services 2010-15 Grant-in-Aid	84.042	P042A100121	-	(2,515)
Student Support Services 2010-15 Grant-in-Aid	84.042	P042A100121	-	(106,050)
Student Support Services	84.042	P042A100032	-	(2,191)
Student Support Services	84.042	P042A150610	-	265,982

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
TRIO Cluster, continued				
U.S. Department of Education, continued				
Passed through programs from:				
South Carolina Research Foundation, continued				
Student Support Services 2010-15 Grant-in-Aid	84.042	P042A150625	-	385,821
Student Support Services 2010-15 Grant-in-Aid	84.042	P042A150625	-	25,757
Student Support Services	84.042	P042A150362	-	339,778
Student Support Services (SSS)	84.042	P042A150221	-	212,365
Student Support Services (SSS)	84.042	P042A150221	-	20,990
Student Support Services 2010-2015	84.042	P042A151228	-	8,989
Student Support Services 2010-2015	84.042	P042A151228	-	245,253
USC Lancaster Upward Bound	84.047	P047A120485	-	165,792
University of South Carolina Columbia Upward Bound Program	84.047	P047A121668	-	442,393
Total U.S. Department of Education			-	2,777,983
Total TRIO Cluster			-	2,777,983
Medicaid Cluster				
U.S. Department of Health and Human Services				
Passed through programs from:				
South Carolina Department of Health and Human Services				
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	-	22,419
Total U.S. Department of Health and Human Services			-	22,419
Total Medicaid Cluster			-	22,419
Special Education Cluster (IDEA)				
U.S. Department of Education				
Passed through programs from:				
South Carolina Department of Education				
Project CREATE	84.027	H63010100915	-	7,738
Project CREATE	84.027	H63010100915	-	3,500
Project CREATE	84.027	H63010100915	-	18,869
Project CREATE	84.027	H63010100915	-	7,478
Project CREATE	84.027	H63010100915	-	234
South Carolina School for the Deaf and the Blind				
SC Interagency Deaf Blind Project	84.027	SCH FOR DEAF BL	-	(1,199)
SC Interagency Deaf Blind Project	84.027	SCH FOR DEAF BL	-	1,011
Total U.S. Department of Education			-	37,631
Total Special Education Cluster (IDEA)			-	37,631
WIOA Cluster				
U.S. Department of Labor				
Passed through programs from:				
Upstate Workforce Investment Act				
ACHIEVE 2015-16	17.259	16Y603C4-UWIB	-	366,232
ACHIEVE 2015-16	17.259	15Y603C4-UWIB	-	2,119
Total U.S. Department of Labor			-	368,351
Total WIOA Cluster			-	368,351
Maternal, Infant, and Early Childhood Home Visiting Cluster				
U.S. Department of Health and Human Services				
Passed through programs from:				
The Children's Trust Fund of South Carolina				
MIECHV Contract - Expansion Funding 2015-2016	93.505	CHILDREN'S TRUST	-	26,112
MIECHV Contract - Expansion Funding 2015-2016	93.505	CHILDREN'S TRUST	-	1,281
MIECHV Contract - Formula Funding 2015-2016	93.505	CHILDREN'S TRUST	-	1,471
MIECHV Contract - Formula Funding 2015-2016	93.505	CHILDREN'S TRUST	-	50
MIECHV-Expansion Children's Trust 2014 - 2015	93.505	CHILDREN'S TRUST	12,642	167,687
Children's Trust Maternal, Infant, and Early Childhood Home Visiting Program	93.615	CHILDREN S TRUST	-	(610)
Children's Trust Maternal, Infant, and Early Childhood Home Visiting Program	93.615	CHILDREN S TRUST	-	51,431
Children's Trust Maternal, Infant, and Early Childhood Home Visiting Program	93.505	CHILDREN S TRUST	-	60,252
Children's Trust Maternal, Infant, and Early Childhood Home Visiting Program	93.505	CHILDREN S TRUST	-	7,162
Total U.S. Department of Health and Human Services			12,642	314,836
Total Maternal, Infant, and Early Childhood Home Visiting Cluster			12,642	314,836

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, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Education				
Strengthening USC Upstate by Investing in Student Engagement and Advising Success	84.031	P031A140156	-	567,898
Rehabilitation Long-Term Training: Expanding the Next Generation of Psychiatric Rehabilitation Professionals	84.129	H129H140008	-	127,933
Vocational Rehabilitation Workforce Development: Increasing the Number of Qualified Vocational Rehabilitation Counselors in South Carolina (RSA LTT)	84.129	H129W150004	-	215,157
Project IMPACT: Impacting Adult Life Outcomes for Individuals with Severe Disabilities	84.325	H325K160020	-	64,125
Project POSTS: Preparation of Secondary Transition Specialists	84.325	H325K110505	-	151,013
USC Special Education Program Improvement Project (USC SEPIP)	84.325	H325T110004	-	43,542
Project FOCUS: Preparing Special Education Administrators with a Focus on Research to Practice in Transition	84.325	H325D150006	-	213,907
South Carolina Assistive Technology Program	84.224	H224A150040	-	121,839
FWS Clearing Account - Beaufort	84.999	P033A138840	-	1,460
Passed through programs from:				
National Writing Project				
SWWP Advanced Institute College-Ready Writers Program	84.367	92-SC06-SEED2016-ILI	-	13,900
2017 NWP Advanced Institute to Scale-Up CRWP Grant	84.367	92-SC06-SEED2017-CRWPPI	-	1,467
2014-2016 NWP SEED Teacher-Leadership Grant	84.367	92-SC07-SEED2012	-	(191)
South Carolina Research Foundation				
Long Term Training: Vocational Rehabilitation	84.129	H129B100022	-	18,935
Graduate Assistance in Areas of National Need (GAANN) Fellowship Program - Chemistry	84.200	P200A120075	-	499
Graduate Assistance in Areas of National Need (GAANN)	84.200	P200A120090	-	(3,127)
Preparation of Leadership Personnel: Project SPEARTIP	84.325	H325D090025	-	4,758
Aiken Writing Project SEED Teacher Development	84.367	07-SC12-SEED2012	-	1,479
2014-16 NWP SEED Teacher Leadership Development Grant-Midlands Writing Project	84.928	92-SC05-SEED2012	-	660
South Carolina Commission on Higher Education				
Enhancing Middle Grades Science Teachers' Knowledge of Plant Processes, Structures, and Functions				
Through Engagement In Plant Sciences Research	84.367	15250FJ56	-	57,963
Forward Thinking, Teaching and Learning (FTTL): Mathematics and Science Concepts in a Digital-based Society	84.367	24248	-	3,111
Life Science Connections	84.367	15250FL56	-	50,939
Learning Through ACCESS	84.367	15250FL61	-	65,138
Geospatial Technology for Geography, Mathematics, and Science	84.367	13540FJ04	-	33,976
Nature-Based Inquiry Utilizing a STEAM Approach (NBI)	84.367	13090FJ13	-	8,252
South Carolina Department of Education				
SC Gateways: From Cradle to Career 2014	84.323	H63010013313	-	(54)
SC Gateways: From Cradles to Career	84.323	H63010013313	-	(6,252)
SC Gateways: Preschool Initiative	84.323	H63010013314	-	48,192
STEP: Science Teaching Enhancement Project 2014-15	84.366	H63010008215	-	100,589
STEP: Science Teaching Enhancement Project 2014-15	84.366	H63010008215	-	8,921
STEM Forward: Building High Impact Talent	84.366	H63010008215	-	291,092
Standards Based Integrated Instruction: The Next Step (SBII) Program	84.366	H63010008216	-	76,490
Standards Based Integrated Instruction: The Next Step (SBII) Program	84.366	H63010008216	-	4,180
Standards Based Integrated Instruction: The Next Step (SBII) Program	84.366	H63010008217	-	142,680
Standards Based Integrated Instruction: The Next Step (SBII) Program	84.366	H63010008217	-	5,759
The Carolina Consortium for Enterprise				
School Climate Profile Development for the Carolina Consortium for Enterprise Learning	84.999	CAROLINA CONSOR	-	53,921
University of Oregon				
Advancing School Mental Health and PBIS Together (Subcontract)	84.326	224440L	-	35,977
College of Charleston				
Postsecondary Education Subcontract	84.407	520875-USC/P407A100001	-	72
Total U.S. Department of Education			-	2,526,200
U.S. Department of Health and Human Services				
South Carolina Assistive Technology Program	93.464	1601SCSGAT	-	378,572
Preventive Medicine and Public Health Training Program	93.117	D33HP-26995-03-00	122,680	172,875
Preventive Medicine and Public Health Training Program	93.117	SD33HP269950200	111,298	86,374
Traineeships for Nurse Anesthesia 2015	93.124	15A22HP28622	-	23,019
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	-	94,347
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	-	540,136
Advanced Education Nursing Traineeship HRSA-16-071	93.358	1A10HP30093-01-00	-	256,322
Preparing Professional Counselors to Provide Effective Services to At-Risk Children, Adolescents, Transitional-Age Youth, and Families	93.243	G02HP30562	-	228,384
The Health Occupations Providing Excellence in SBIRT (HOPES)	93.243	1H79TI026428-01	3,098	140,645
Training for Transitions: Preparedness for Behavioral Health Social Workers (TFT)	93.243	5G02HP27995-03-00	-	442,425
Economic Studies of Vaccines and Immunization Policies, Programs, and Practices for Adults	93.185	1H23IP000851-01	5,094	29,221
Screening, Brief Intervention, and Referral to Treatment (SBIRT) Medical Professional Training Program	93.243	14T1025374B	-	75,695
Training for Transitions: Preparedness for Behavioral Health Social Workers (TFT)	93.243	G02HP27995	-	(9,921)
Training for Transitions: Preparedness for Behavioral Health Social Workers (TFT)	93.243	1G02HP27995-02-00	-	27,170
HPV-Mediated Cancer mHealth Prevention Education for Women Living with HIV Pilot Study	93.398	KCA175239A	-	24,902
Biomedical-Behavioral Interface: Prevention and Developmental Sciences Training	93.859	TGM081740B	-	267,800
South Carolina-Advancing Diversity in Aging Research Undergraduate Program	93.866	RAG050484A	-	285,801
Palmetto State Geriatric Education Center Year 5 (Not a new proposal)	93.969	UB4HP19212A0	-	(69)
Improving the Health of People with Mobility Limitations and Intellectual Disabilities Through State-Based Public Health Programs	93.184	RISK	58,947	326,879
IPA: HRSA-Jihong Liu (Extension)	93.999	IP1A15HRS14475	-	21,492

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
Passed through programs from:				
Emory University				
South Carolina HIV/AIDS Clinical Training Center	93.145	T236438	-	(41)
Family Connection of South Carolina				
Program Evaluation for Family Connection of South Carolina	93.504	23268	-	428
Program Evaluation for Family Connection of South Carolina	93.504	15900FL53	-	28,095
Francis Marion University				
Department of Health and Human Services Grant for a Branch Medical Campus of the SOM in Florence, SC	93.999	18000FJ02	-	17,296
Department of Health and Human Services Grant for a Branch Medical Campus of the SOM in Florence, SC	93.999	FRANCIS MARION	-	1,047,531
McKing Consulting Corporation				
Development of Communication Strategy for Surgeon General's Call to Action on Walking - Year 2	93.999	USC-02-4568	-	(1,285)
Developing a 2016 U.S. Report Card on Walking and Walkable Communities	93.999	USC-03-4568	-	14,760
National Council of Juvenile Family Court Judges				
Capacity Building Center for the Courts	93.999	36417-SVU-1	-	55,083
Capacity Building Center for the Courts	93.999	36416-SVU-1	-	13,126
South Carolina Lieutenant Governor's Office on Aging				
Tomando Control de su Salud (Taking Care of Your Health) Program	93.734	90CS0030/01	-	52
South Carolina Research Foundation				
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	5U59DD000945-03	-	71
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	000945DD15-04	2,207	11,124
South Carolina Poison Center Support and Enhancement Project	93.253	H4BHS155450800	-	208,091
South Carolina Poison Center Support and Enhancement Project	93.253	H4BHS15545	-	641
South Carolina Poison Center Support and Enhancement Project	93.253	H4BHS155450700	-	19,939
South Carolina University Center for Excellence in Developmental Disabilities	93.632	90DD0673-05-00	-	522,692
CBCAP-Parenting Program 2016	93.590	S-CBCAP-2017-2	-	39,344
CBCAP-Parenting Program 2016	93.590	S-CBCAP-2016-2	-	13,322
Home CARE + (Health Care Innovation Challenge Award)	93.610	1C1CMS331014-03-00	-	2,685
Mental Illness Recovery Center Inc				
Youth Homelessness Evaluation - MIRCI, Inc.	93.243	1H79SM06330-01	-	22,479
Medical University of South Carolina				
Leadership Education in Neurodevelopmental and Related Disorders (LEND)Subcontract	93.110	MUSC16-094-88921	-	122,959
Leadership Education in Neurodevelopmental and Related Disorders (LEND) Subcontract	93.110	MUSC11-102	-	2,412
Pediatric Metrics	93.884	MUSC13-058	-	60,616
South Carolina Campaign to Prevent Teen Pregnancy				
South Carolina Campaign to Prevent Teen Pregnancy - Three County Surveys	93.297	1TP1AH000126-01-00	-	31,862
South Carolina Cancer Alliance				
A Dissemination Project to Advance Lung Cancer Screening in SC	93.393	SC CANCER ALLIA	-	(1)
South Carolina Court Administration				
Court Administration Basic Grant	93.586	SC COURT ADM	-	140,870
Court Administration Basic Grant	93.586	2015G996437	-	92,157
Court Administration Training Grant	93.586	2014G991513	-	(319)
Court Administration Training Grant	93.586	2015G991513	-	20,981
Court Administration Training Grant	93.586	SC COURT ADM	-	137,653
South Carolina Department of Health and Environmental Control				
Addressing the Zika virus in Latino communities of SC	93.073	MC-7-383	-	37,832
Scale Down Initiative	93.758	CY-7-728	-	31,492
Evaluation and Training Services for SC DHEC's WISEWOMAN Program	93.094	CY-6-309	-	(3,302)
Evaluation and Training Services for SC DHEC's WISEWOMAN Program	93.094	CY-6-309	-	31,133
Ryan White HIV/AIDS Treatment Extension Act - Part B (Minority AIDS Initiative)	93.917	HV-5-577	-	3,571
Ryan White HIV/AIDS Treatment Extension Act - Part B (Minority AIDS Initiative)	93.917	HV-5-577	-	37,133
Ryan White HIV/AIDS Treatment Extension Act - Part B (Minority AIDS Initiative)	93.917	RISK	-	14,150
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	(185)
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	2,702,512	47,377
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	130,444
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	2,211,969
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	2,000,051
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-4-791	-	401,275
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-5-572	-	(29)
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-5-572	-	160,816
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	HV-7-778	612,161	612,161
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	RISK	-	250,778
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Part B (Emerging Communities)	93.917	RISK	-	52,949
SC DHEC Environmental Public Health Tracking Project	93.070	PH-7-555	-	18,391
SC DHEC Environmental Public Health Tracking Project	93.999	PH-6-296	-	2,140
Northwestern University				
Ex Vivo Female Reproductive Tract Integration In a 3D Microphysiologic System	93.999	60037699 USOCO	-	42,373
South Carolina Department of Health and Human Services, continued				
SCDHHS Environmental Scan of SC Healthcare Providers' Adoption and Use of Certified EHR Technology	93.999	A201511647A	-	(1)
Palmetto Project				
Palmetto Project ACA Navigators 2015-2016	93.332	11500FL43	-	1,453

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Health and Human Services, continued				
Passed through programs from:				
South Carolina Developmental Disabilities Council				
South Carolina Assistive Technology Expo 2016	93.630	06-21-0065	-	3,000
Expansion of the Transition Alliance of South Carolina (TASC)	93.630	06-21-0027	-	64,285
Expansion of the Transition Alliance of South Carolina (TASC)	93.630	04-21-0027	-	(724)
Project Connect: Connecting PSE Programs and Adult Agencies	93.630	06-21-0003	-	53,523
IMPACT SC Self-Advocacy Initiatives	93.630	06-21-0055	-	41,312
IMPACT SC Self-Advocacy Initiatives	93.630	05-21-0055	-	78
Expansion of the Transition Alliance of South Carolina (TASC)	93.630	05-21-0027	-	(1)
The Children's Trust Fund of South Carolina				
Children's Trust Support for Expectant and Parenting Teens, Women, Fathers and their Families (PAF) Program Evaluation	93.500	CHILDREN'S TRUST	-	(72)
Children's Trust Support for Expectant and Parenting Teens, Women, Fathers and their Families (PAF) Program Evaluation	93.500	CHILDREN'S TRUST 2016-USCC	6,483	91,621
Child Abuse Prevention in South Carolina	93.590	CHILDREN'S TRUST	-	1,037
Upper Midlands Rural Health Network				
Upper Midlands Regional Health Network 2014-2017	93.718	UMRHN/HRSA FORH	-	7,082
Upper Midlands Regional Health Network 2014-2017	93.718	UMRHN/HRSA ORHP	-	(1)
Upper Midlands Regional Health Network 2014-2017	93.999	UMRHN/HRSA ORHP	-	7,862
Upper Midlands Regional Health Network 2014-2017	93.999	UMRHN/HRSA ORHP	-	1,418
Upper Midlands Regional Health Network 2014-2017	93.999	UMRHN/HRSA ORHP	-	17,917
Vanderbilt University				
South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - Inter-Professional Education (IPE)	93.145	VUMCS6743	-	4,377
South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - Inter-Professional Education (IPE)	93.145	VUMCS6743	-	736
South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - Inter-Professional Education (IPE)	93.145	VUMCS6743	-	(2,680)
South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - Inter-Professional Education (IPE)	93.145	VUMCS6743	-	73,750
South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - Inter-Professional Education (IPE)	93.145	VUMCS6743	-	100,880
South Carolina HIV/AIDS Clinical Training Center/Vanderbilt - Inter-Professional Education (IPE)	93.145	VUMCS6743	-	72,636
Total U.S. Department of Health and Human Services			3,624,480	12,658,699
U.S. Department of Agriculture				
International Year of Soils (IYS): Video Outreach	10.903	68-7482-14-523	-	23
Passed through programs from:				
South Carolina Department of Health and Environmental Control				
PASOs and WIC Partnership Agreement	10.557	CH-5-628	-	5,890
PASOs and WIC Partnership Agreement	10.557	CH-7-703	23,327	77,153
South Carolina Research Foundation				
Marlboro County FoodShare Expansion Project	10.769	46-040-570967350	-	35,429
Total U.S. Department of Agriculture			23,327	118,495
U.S. Department of Defense				
National Register Evaluations for Six Late Discoveries, Fort Jackson, SC	12.300	W9126G-16-2-0019	-	51,585
Procurement Technical Assistance Program for Business Firms	12.022	SP4800-15-2-1582	-	(3,402)
Procurement Technical Assistance Program for Business Firms	12.022	SP4800-16-2-1682	-	74,899
Procurement Technical Assistance Program for Business Firms	12.022	SP4800-17-2-1782	-	10,041
NROTC Educational Instruction Calculus and Physics	12.999	N6331305RQ44A01	-	422
NROTC Educational Instruction Calculus and Physics	12.999	N6331305RQ44A01	-	1,385
Passed through programs from:				
Academy of Applied Science				
USC Junior Science and Humanities Symposium for South Carolina	12.630	Academy of Applied Science	-	14,792
DoD SC Junior Science and Humanities Symposium 2016	12.630	ACADEMY OF APPL	-	(595)
Total U.S. Department of Defense			-	149,127
U.S. Department of Housing and Urban Development				
Passed through programs from:				
City of Columbia				
HOPWA Case Management, Mental Health and Substance Abuse Services in the Columbia EMSA	14.241	CITY OF COLUMBIA	-	(105)
HOPWA Case Management, Mental Health and Substance Abuse Services in the Columbia EMSA	14.241	CITY OF COLUMBIA	-	370,993
HOPWA Case Management, Mental Health and Substance Abuse Services in the Columbia EMSA	14.241	CITY OF COLA	-	(47)
Total U.S. Department of Housing and Urban Development			-	370,841
U.S. Department of Interior				
Operation of the Mid-America Integrated Seismic Network - 2015-2019- USC	15.807	G15AC00022	-	111,577
Action Plan for the Southern Campaigns of the American Revolution (SCAR)	15.945	P15AC01863	-	432
Passed through programs from:				
California State Historic Preservation Office				
Island of the Blue Dolphins and its Maritime History Context	15.925	C8960601	-	49,669
South Carolina Department of Archives & History				
South Carolina Archaeology Month Poster 2016	15.999	SC DEPT ARCHIVE	-	1,188
Total U.S. Department of Interior			-	162,866

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
U.S. Department of Justice				
SC Higher Education Partnership on Correctional Mental Health (full proposal)	16.751	2014-DP-BX-0001	-	139,195
Passed through programs from:				
City of Columbia				
The Columbia Police Department Smart Policing Initiative	16.751	CITY OF COLUMBIA	-	(2,206)
South Carolina Department of Public Safety				
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	1JS12004	-	(3,502)
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	1JS12006	-	32,074
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	1JS11006	-	(993)
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	1JS13003	-	36,703
Total U.S. Department of Justice			-	201,271
U.S. Department of State				
ETV+ Media Training	19.040	SEN100-16-GR040	-	56,717
Passed through programs from:				
FHI 360				
Study of the U.S. Institutes for Student Leaders from Europe (SUSI)	19.999	102224.000.000	-	78,271
Jessheim Videregaende Skole				
U.S. - Norway Teacher Exchange: 2016 Southern Heritage Study Tour	19.999	15250FL60	-	1,380
South Carolina Research Foundation				
Investigative Journalism Training Program in the Baltics U.S. Mission to Lithuania	19.900	S-LH500-15-GR-087	10,000	177,408
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	-	(994)
Total U.S. Department of State			10,000	312,782
National and Community Service				
Passed through programs from:				
South Carolina Commission on National and Community Service				
USCAiken AmeriCorps Saturday Academy - SC Commission Grant	94.999	14ACHSC0010001	-	179,576
USCAiken AmeriCorps Saturday Academy - SC Commission Grant	94.999	14ACHS0010001	-	51,729
Total National and Community Service			-	231,305
National Endowment for the Arts				
Master Potters of the Catawba Indian Pottery Tradition	45.024	13-5500-7092	-	(1,247)
Total National Endowment for the Arts			-	(1,247)
National Endowment for the Humanities				
Plants and Planter: Henry William Ravenel and the Convergence of Science and Agriculture in the Nineteenth Century South	45.149	PW-51607-14	-	(38)
American Civil Wars: The Crisis of the 1860s in the US, Latin America, and Europe	45.161	RZ5152213	-	11,678
America's Reconstruction: The Untold Story	45.163	ES-50571-14	-	100,939
Passed through programs from:				
South Carolina Research Foundation				
South Carolina Newspaper Digitization Project	45.149	PJ-50046-09	-	(25,686)
Fox Movietone News Digitization Project, Phase 1	45.149	PW-51427-13	-	(337)
South Carolina Humanities Council				
Pat Conroy Literary Festival	45.129	16-1690-4	-	2,000
Planning FOLKFabulous at the Fair	45.129	17-1744-3	-	1,000
South Carolina Prehistory Exhibit: Sharing a Little of that Human Touch	45.129	16-1703-1	-	6,311
Stanley Nelson: Documenting African American Struggles for Freedom and Civil Rights	45.129	17-1721-2	-	2,000
Total National Endowment for the Humanities			-	97,867
Institute of Museum and Library Services				
Passed through programs of:				
South Carolina Research Foundation				
Development and Validation of Infrared Spectroscopy as a Rapid, Non-destructive Tool for Determining the Degradation State of Magnetic Tape	45.312	LG-06-12-0569-12	-	30,541
Trees and Tweets: Mining Billions to Understand Human Migration and Dialect Variation	45.312	LG-00-14-0030-14	-	24,314
South Carolina State Library				
South Carolina Digital Library: Ongoing Initiative 2014-2015	45.310	IIF-13-01	-	(817)
South Carolina Encyclopedia and Digital Library Come Together Online	45.310	IIF-15-01	-	5,822
South Carolina Historical Newspapers, adding more	45.310	IIF-16-01	-	14,852
Total Institute of Museum and Library Services			-	74,712
National Science Foundation				
Travel Support for the 2016 Southeastern Regional Meeting of ACS Symposium New Chemistries towards Functional Polymeric Materials	47.049	1620669	-	2,540
REU Site: Undergraduate Research in Physics at the University of South Carolina	47.049	1263047	-	38,393
Collaborative Research: Equipment for and Running of the PSI Muse Experiment	47.049	PHY-1401974	-	21,119
Enabling the Future: Scholarships in Computational Finance	47.076	DUE-1259283	-	125,946
Developing Master Teachers through the South Carolina Science and Mathematics Teacher Leader (SC-SMTL) program	47.076	DUE-1439842	-	506,538
Developing Master Teachers through the South Carolina Science and Mathematics Teacher Leader (SC-SMTL) program	47.076	DUE-1439842	-	34,217
GEO-Scholar: Broadening undergraduate participation in the geosciences	47.076	1458416	-	59,832
University of South Carolina Science and Mathematics Teachers Initiative Phase 2 (USC-SMTI P2): Continuing to Improve Teacher Preparation & Retention	47.076	1660700	-	35,011
University of South Carolina Science and Mathematics Teachers Initiative Phase 2 (USC-SMTI P2): Continuing to Improve Teacher Preparation & Retention	47.076	1660700	-	2,451

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University of South Carolina
Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Passed through to subrecipients	Expenditures
National Science Foundation, continued				
Passed through programs from:				
South Carolina Research Foundation				
University of South Carolina Science and Mathematics Teachers Initiative (USC-SMTI)	47.076	DUE-1035379	-	10,285
University of South Carolina Science and Mathematics Teachers Initiative (USC-SMTI)	47.076	DUE-1035379	-	4,860
Total National Science Foundation			<u>-</u>	<u>841,192</u>
National Archives and Record Administration				
Accessing the New South: A Project to Enhance Access to Manuscript Collections in the South Carolinian Library	89.003	NAR13-RH-50054-13	-	(5,101)
Total National Archives and Record Administration			<u>-</u>	<u>(5,101)</u>
Small Business Administration				
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-14-B-0027/0002	-	(1,068)
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	RISK	-	345,610
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	RISK	-	297,508
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-15-B0042	-	86
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-16-B-0032	-	27,089
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-16-B-0032	-	122,422
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBAHQ-16-B-0032	-	25,286
Total Small Business Administration			<u>-</u>	<u>816,933</u>
U.S. Department of Energy				
Passed through programs from:				
Savannah River Laboratory				
Proposal for Continuation of Contract for DOE-SR Public Reading Room at the University of South Carolina Aiken	81.049	0000121617	-	14,016
South Carolina Universities Research and Education Foundation				
Nuclear Energy Advisory Committee (NEAC)	81.999	RISK	-	143,161
Savannah River Environmental Sciences Field Station	81.999	B139036	-	82,494
Savannah River Environmental Sciences Field Station	81.999	B139031	121,235	285,209
SRS Community Reuse Organization				
WORC	81.104	DE-EM0001232	-	37,555
Development and Implementation of an Enhanced Biology Degree in Environmental Remediation and Restoration	81.999	DE-EM0001232	-	(2,604)
Total U.S. Department of Energy			<u>121,235</u>	<u>559,831</u>
Veterans Administration				
VA Attending Veterinarian Agreement	64.999	WJB DORN VA	-	(301)
Total Veterans Administration			<u>-</u>	<u>(301)</u>
U.S. Department of Homeland Security				
Passed through programs from:				
South Carolina Emergency Management Division4				
USC Disaster Resistant University Plan Update	97.017	PDMC-PL-04-SC-2015-005	-	5,457
Florida Dept of Emergency Management				
Web-based Risk Assessment Planning Project for the State of Florida	97.999	AD1553	-	1,033
Total U.S. Department of Homeland Security			<u>-</u>	<u>6,490</u>
U.S. Department of Commerce				
Passed through programs from:				
South Carolina Sea Grant Consortium				
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	-	10,439
Total U.S. Department of Commerce			<u>-</u>	<u>10,439</u>
Total Federal Expenditures			<u>\$ 15,185,670</u>	<u>\$ 489,749,912</u>

The accompanying notes are an integral part of this schedule.

University of South Carolina

Notes to Schedule of Expenditures of Federal Awards For the year ended June 30, 2017

Note 1. Basis of Presentation

The accompanying Schedule of Expenditures of Federal Awards (the Schedule), includes the federal grant activity of the University of South Carolina (the University) under programs of the federal government for the year ended June 30, 2017. The information in the schedule is presented on the accrual basis of accounting 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, 2017 were based on predetermined fixed rates negotiated with the University's cognizant federal agency. The University has elected not to use the 10-percent de minimis indirect cost rate as allowed under the Uniform Guidance.

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 \$14,907,009 as of June 30, 2017.

Federal Perkins Loan Program expired September 30, 2017 and the University could not disburse Perkins loans to any student on or after October 1, 2017, except for subsequent disbursements of loans first disbursed between June 30, 2017 and September 30, 2017. The University will be liquidating its Federal Perkins Revolving Loan Fund at the direction of the Department of Education. The liquidation will likely involve the University assigning all eligible outstanding loans to the Department of Education and the remittance of federal share of remaining Perkins cash assets to the Department of Education.

University of South Carolina***Notes to Schedule of Expenditures of Federal Awards
For the year ended June 30, 2017***

Note 4. Matching

Under the FWS program, the University matched \$431,788 in total compensation for the year ended June 30, 2017, in addition to the federal share of expenditures in the accompanying schedule.

Under the FSEOG program, the University matched \$444,551 in funds awarded to students for the year ended June 30, 2017, in addition to the federal share of expenditures in the accompanying schedule.

Note 5. Contingencies

The University receives funds under various federal grant programs and such awards are to be expended in accordance with the provisions of the various grants. Compliance with the grants is subject to audit by various government agencies which may impose sanctions in the event of non-compliance. Management believes that they have complied with all aspects of the various grant provisions and the results of adjustments, if any, relating to such audits would not have any material financial impact.



**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, 2017, and the related notes to the financial statements, which collectively comprise the University’s basic financial statements, and have issued our report thereon dated September 29, 2017. 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 Trust and 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. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether 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*.

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
September 29, 2017



**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, 2017. 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 \$10.5 million in federal awards which is not included in the Schedule of Expenditures of Federal Awards during the year ended June 30, 2017. 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, 2017.

Other Matters

The results of our auditing procedures disclosed instances of noncompliance, which are required to be reported in accordance with the Uniform Guidance and which are described in the accompanying Schedule of Findings and Questioned Costs as items 2017-001 and 2017-002. Our opinion on each major federal program is not modified with respect to these matters.

The University's response to the noncompliance 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 compliance and, accordingly, we express no opinion on the response.

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.

Our consideration of internal control over compliance was for the limited purpose described in the preceding paragraph and was not designed to identify all deficiencies in internal control over compliance that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. However, as discussed below, we identified certain deficiencies in internal control over compliance that we consider to be material weaknesses and significant deficiencies.

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. We consider the deficiency in internal control over compliance described in the accompanying Schedule of Findings and Questioned Costs as item 2017-001 to be a material weakness.

A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance. We consider the deficiency in internal control over compliance described in the accompanying Schedule of Findings and Questioned Costs as item 2017-002 to be a significant deficiency.

The University's response to the internal control over compliance findings identified in our audit are 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 compliance and, accordingly, we express no opinion on the response.

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, as of and for the year ended June 30, 2017, and have issued our report thereon dated September 29, 2017, which contained unmodified opinions on those financial statements. We did not audit 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, which are discretely presented component units of the University. Those statements were audited by other auditors whose reports have been furnished to us, and our opinions, insofar as they relate to the amounts included for these discretely presented component units, are based solely on the reports of the other auditors. 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.



Columbia, South Carolina
November 17, 2017 except for the portion related to the Schedule of Expenditures of Federal Awards
as to which the date is September 29, 2017

University of South Carolina
Schedule of Findings and Questioned Costs
For the year ended June 30, 2017

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? No
 - 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? Yes
 - 2) Significant deficiencies identified? Yes
- (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)? Yes
- (d.) Identification of major federal programs:

<u>CFDA Numbers</u>	<u>Name of federal program or cluster</u>
84.007; 84.033; 84.038; 84.063; 84.268; 84.379; 93.264; 93.342; 93.364	Student Financial Assistance Cluster

- (e.) Dollar threshold used to distinguish between type A and type B programs: \$3,000,000
- (f.) Auditee qualified as low risk auditee? No

University of South Carolina
Schedule of Findings and Questioned Costs
For the year ended June 30, 2017

II. Financial Statement Findings:

None reported

III. Federal Award Findings and Questioned Costs:

Finding 2017-001 Student Financial Aid Administration

Federal Agency: Department of Education

Program: Student Financial Assistance Cluster

Criteria or Specific Requirement: Student financial aid administration includes the following compliance requirements:

- A. For students with Perkins loans, the University must convert the loan to repayment in a timely manner which is 9 months after the student ceases to be at least a half-time regular student (34 CFR section 674.31(b)(2)).
- B. For students with Perkins loans, the separation date submitted to ECSI, the University's third-party loan servicer, should agree to the separation date reported to the National Student Loan Data System (NSLDS).
- C. For students who receive Title IV aid, the University is required to report enrollment status changes to the NSLDS in a timely and accurate manner. These changes include reductions or increases in attendance levels, withdrawals, graduations, or approved leaves-of-absences (April 2017 Compliance Supplement).

Condition: We noted the following conditions during our testing the Student Financial Assistance Cluster:

- A. The University did not communicate withdrawal dates or dates students ceased to be at least a half-time regular student to ECSI in a timely manner.
- B. There were inconsistencies between graduation dates reported to ECSI and to the NSLDS by the University.
- C. The University incorrectly reported withdrawal dates for students who received Title IV aid to the NSLDS.

Context: Context for the conditions noted above are as follows:

- A. Approximately 623 students that had received Perkins loans entered repayment during the period July 1, 2016 through June 30, 2017. Of these students, we examined 25 students' files and determined that for 4 students, the date they ceased to be at least a half-time regular student was not reported to ECSI, and their graduation date was incorrectly used as their separation date. In response to our finding, the University performed a further review and identified an additional 41 students that had ceased to be at least a half-time regular student and 1,018 students that had withdrawn from the

University of South Carolina
Schedule of Findings and Questioned Costs
For the year ended June 30, 2017

Finding 2017-001, continued

University, but were classified as enrolled by ECSI, and therefore have not entered repayment. The last term on record for some of these students goes back as far as Fall 2012. For the students that are currently in their grace period, repayment period, or have paid off their loan, the University was unable to quantify how many of these students did not enter repayment timely.

- B. From the sample of 25 students tested in "A", we discovered inconsistencies between the graduation dates reported by the University to ECSI and to the NSLDS for 20 students. Differences in dates ranged from 11 days to 17 days.
- C. Of the 610 students who received Title IV aid and withdrew during the period July 1, 2016 through June 30, 2017, we examined 40 students' files and determined that incorrect withdrawal dates were reported to the NSLDS for 12 students. Differences in dates ranged from 21 days to 91 days.

Questioned Costs: \$0

Effect: The effect of the conditions noted above are as follows:

- A. The students' loans were converted to repayment later than required, resulting in a deferred repayment period, or were not converted to repayment at all. For the loans we tested, the repayment start dates were delayed by 3 to 7 months. These errors had no impact on the total repayment cost of the loans.
- B. The inconsistent reporting of graduation dates had no impact on the repayment period or on the total repayment cost of the loans.
- C. The incorrect reporting of withdrawal dates had no impact on the calculation of the Title IV refunds.

Cause: The cause of the conditions noted above are as follows:

- A. The University was under the impression that student separation dates were communicated to ECSI on a periodic basis throughout the year from two different sources; indirectly from the University's Registrar's office through the National Student Clearinghouse (the "Clearinghouse") and directly from the University's Bursar's office. The University's Bursar's office only submits graduation reports to ECSI, so any student separation dates for events other than graduation would need to come from the Clearinghouse. Upon review, the University discovered that there were no communications taking place between the Clearinghouse and ECSI as this service required additional steps for activation with ECSI, of which the University was unaware. Since there was no communication between the Clearinghouse and ECSI, dates that students dropped below half-time or withdrew were not being reported to ECSI. Therefore, the date used by ECSI as their separation date was the date they graduated as reported by the Bursar's office, if the student reached graduation.

University of South Carolina
Schedule of Findings and Questioned Costs
For the year ended June 30, 2017

Finding 2017-001, continued

- B. The University was unaware of the NSLDS reporting requirements regarding consistency in the separation dates reported to ECSI and NSLDS.
- C. The University was unaware of the NSLDS reporting requirements for withdrawal dates that should be reported for students receiving Title IV aid.

Recommendation: Procedures should be implemented whereby regular review of student enrollment information reported to ECSI and NSLDS is reviewed by the University to ensure accuracy, consistency and completeness. Procedures should also be implemented whereby a regular review of enrollment reporting compliance requirements are taking place to ensure that reporting is in accordance with guidelines set forth in the *NSLDS Enrollment Reporting Guide* and the Department of Education's *Federal Student Aid Handbook*.

Management
Response and
Corrective
Action Plan:

Management acknowledges this finding and will work with the National Student Clearinghouse and the U. S. Department of Education to established corrective action that will meet requirements while ensuring that such action will not result in noncompliance in other areas. The University has contacted the loan servicer and provided authorization to activate the Clearinghouse interface service. The University requested an additional service option to process exit loans using information received from the Clearinghouse.

Finding 2017-002 Fiscal Operations Report and Application to Participate (FISAP) Reporting

Federal Agency: Department of Education

Program: Student Financial Assistance Cluster

Criteria or Specific Requirement: The FISAP must be submitted annually to the Department of Education in order for the University to receive funds for campus-based programs.

Condition/Context: The University misstated amounts on FISAP reports for the Beaufort and Upstate campuses. On the Assessments and Expenditures portion of the Beaufort FISAP, the total amount expended for state grants and scholarships made to undergraduates for the award year July 1, 2015 to June 30, 2016 was listed as zero, however the actual amount expended was approximately \$2.7 million. On the Assessments and Expenditures portion of the Upstate FISAP, the amount reported as total tuition and fees for the award year July 1, 2015 to June 30, 2016 was understated by approximately \$10 million.

Questioned Costs: \$0

Effect: There is potential for the misstated amounts to impact funding provided to the University.

University of South Carolina
Schedule of Findings and Questioned Costs
For the year ended June 30, 2017

Finding 2017-002, continued

Cause: Each University campus' FISAP is compiled by a different individual. The FISAP errors described above were a result of inconsistent application of the method used to determine the information being requested in the Assessments and Expenditures portion of the FISAP. Furthermore, the lack of monitoring controls did not identify the errors in a timely manner.

Recommendation: Procedures should be implemented whereby the information included on the FISAP is supported by proper documentation and appropriate levels of review are being performed on the FISAP to ensure accuracy of the information being provided.

Management
Response and
Corrective
Action Plan:

Management acknowledges this finding and will implement procedures to support the information on the FISAP by proper documentation and will allow submission only after the appropriate levels of review.



UNIVERSITY OF
SOUTH CAROLINA

Vice President for Finance &
Chief Financial Officer

University of South Carolina

Summary Schedule of Prior Audit Findings For the year ended June 30, 2017

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:

2016-001: Capital Assets

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.

Current Action Taken/Current Status: This finding has been cleared.

The Controller's Office has continued with full implementation of the Asset Module (AM) in PeopleSoft and aligned all of its asset categories to Note 4 in the Financial Statements. We spent an extensive amount of time on ensuring proper classification of assets, depreciation schedules, disposals and additions and Construction-in-Progress (CIP). We developed processes and procedures to ensure that information is validated through the AM module. AM processes are run monthly to record depreciation, additions and disposals. In addition, we have hired a full time position for Capital Assets and this position manages all of these assets monthly and ensures all information is recorded timely and accurately.

2016-002: Grants Revenue and Accounts Receivable

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.

Current Action Taken/Current Status: This finding has been cleared.

The Controller's Office has implemented new procedures to ensure that all revenue and receivables are recorded timely. This includes a process revision for billing and accounts receivable to ensure that revenue is recognized appropriately. This procedure recognizes revenue and records AR at the same time. We have hired a full time AR Senior Manager that oversees the full AR process to include billing and receipting. This process not only records revenue and AR timely but it also ensures receipts are recorded timely and accurately.