

# **University of South Carolina**

***OMB Circular A-133 Reports***

***For the year ended June 30, 2015***

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**University of South Carolina**  
**OMB Circular A-133 Reports**  
*Contents*

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	<u>Page</u>
Schedule of Expenditures of Federal Awards.....	1-29
Notes to Schedule of Expenditures of Federal Awards.....	30-32
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> .....	33-34
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 OMB Circular A-133 .....	35-37
Schedule of Findings and Questioned Costs .....	38-39
Summary Schedule of Prior Audit Findings .....	40

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>Research and Development Cluster</b>			
<b>Executive Office of the President</b>			
Passed through programs from:			
<b>University of South Carolina Research Foundation</b>			
Analysis of Drug-Involved Driving Data from the Fatality Analysis Reporting System: An Update and Extension	00.RD	G13USCAROLINA	\$ 13,644
<b>Total Executive Office of the President</b>			<b>13,644</b>
<b>National Academy of Sciences</b>			
Passed through programs from:			
<b>University of South Carolina Research Foundation</b>			
Phase II - University-Industry Demonstration Partnership	00.RD	NAS	43,299
Phase II - University-Industry Demonstration Partnership	00.RD	2000003311	231,825
Phase III - University-Industry Demonstration Partnership	00.RD	PGA-2000003311	24,149
Phase III - University-Industry Demonstration Partnership	00.RD	PGA2001113311	3,436
<b>Total National Academy of Sciences</b>			<b>302,709</b>
<b>Office of National Drug Control Policy</b>			
Passed through programs from:			
<b>University of South Carolina Research Foundation</b>			
Constructing a Drug Consequences Index	00.RD	G10USCAROLINA	886
<b>Total Office of National Drug Control Policy</b>			<b>886</b>
<b>U.S. Department of Agriculture</b>			
A US-China Joint Program on Forestry Biomass Utilization for Sustainable Materials and Nanotechnologies	10.RD	2011-5116031205	26,590
A Comparative Approach to Identify Functional Amino Acid Response Elements of Genes Controlling Ovarian Function	10.RD	2014-6701621723	26,685
Regional Models for Used in Understanding Maimaiga Outbreaks	10.RD	13CA11420004-15	20,119
Science of Soil Health Communication and Education	10.RD	68-7482-14-505	18,176
The Effect of Aerobic and/or Intermittently Flooded Rice Cultivation on AQP Transcription Levels and the Nutritional Quality of Rice Grain	10.RD	2012-6900219796	21,040
Improving Satellite Soil Moisture Spatial Resolution	10.RD	58-8042-5-020	2,392
Perennial Biomass Crop Establishment and Environmental Impact in the Midwestern, United States	10.RD	2012-6700922137	61,008
Passed through programs from:			
<b>Purdue University</b>			
Altered Daily Activities and Shame Resulting from Children Experiencing Food Insecurity in Rural South Carolina and Oregon	10.RD	80000067572	9,480
<b>The Regents of the University of California</b>			
A Comparative Study of the Narratives of Climate Change Vulnerability in the Volta River Delta of Ghana	10.RD	016258-122	541
<b>Natural Resources Conservation Service</b>			
Model for Economics of Soil Health	10.RD	68-4639-130024	9,476
<b>Richland Soil and Water Conservation District</b>			
Using CO2 Burst Tests to Measure on-farm Plant Available Nitrogen from Cover Cropped Soils in South Carolina	10.RD	69-4639-13-0020	10,768
<b>School District Five of Lexington &amp; Richland Counties</b>			
Farm to School Grant Program	10.RD	SCH DISTRICT 5	13,291
<b>University of South Carolina Research Foundation</b>			
Distributed On-Farm Bioenergy, Biofuels and Biochemicals (FarmBio3) Development and Production via Integrated Catalytic Thermolysis	10.RD	59-1935-3-001	126,331
COPASCities: Childhood Obesity Prevention in SC Communities (Fast Food Mania: Researching and Writing about the Politics of Eating)	10.RD	2012-6900119615	446,698
Technical Assistance to City Roots for Conservation Innovation Grants	10.RD	69-3A75-12-210	18,303
<b>Total U.S. Department of Agriculture</b>			<b>810,898</b>
<b>U.S. Department of Commerce</b>			
EDA 2012 University Centers Grant : Innovista Center for Product Realization	11.RD	04-66-06677	51,163
EDA 2012 University Centers Grant : Innovista Center for Product Realization	11.RD	04-66-06677	2,131
Indicators and Indices of Drought in Southeastern Coastal Ecosystems	11.RD	NA130AR4310173	6,391
Indicators and Indices of Drought in Southeastern Coastal Ecosystems	11.RD	NA130AR4310173	38,144
Increasing Tourism in 10 Economically Distressed Counties in South Carolina	11.RD	70NANB14H183	5,500
Increasing Tourism in 10 Economically Distressed Counties in South Carolina	11.RD	04-06-06841	(639)
North Inlet - Winyah Bay National Estuarine Research Reserve	11.RD	NA13NOS4200081	69,059
North Inlet - Winyah Bay National Estuarine Research Reserve	11.RD	NA14NOS4200054	540,802
Continuing Support of the NERR Centralized Data Management Office	11.RD	NA13NOS4200125	214,001
Continuing Support of the NERR Centralized Data Management Office	11.RD	NA14NOS4200138	194,773

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Commerce, continued</b>			
<b>Passed through programs from:</b>			
<b>University of South Carolina Research Foundation</b>			
Determining the Role of Estuarine Swashes on Water Quality Impairment Along the Grand Strand of South Carolina:			
Impacts of Land Use and Stormwater Runoff	11.RD	11-037	34,940
Developing a Low Impact Development Manual for Coastal South Carolina to Serve as Guidance for Improved Storm water Management	11.RD	13-013	90,960
Integrated Modeling for the Assessment of Ecological Impacts of Sea Level Rise	11.RD	16206031-5	61,666
OHHI 2008: Using Gene Expression Profiles of Estuarine Grass Shrimp (Palaemonetes Pugio) as Biosensors/Monitors of Coastal Ecosystem Health	11.RD	NA09NOS4730070	27,022
MERHAB 2009: Comparative Analysis of Quantitative Detection Methods for Enumeration of HAB Species:			
Applications for Resource Management	11.RD	NA10NOS4780141	75,660
Carolinas Integrated Sciences and Assessments	11.RD	NA11OAR4310148	615,010
Carolinas Integrated Sciences and Assessments	11.RD	NA11OAR4310148	84,146
MARFIN: Gray Triggerfish (Balistes Capricus) Life History in the South Atlantic Bight: The Extensive Collection and Analysis of New Data for Age, Growth, and Reproduction and the Comparison with Data From 1992-1997	11.RD	NA11NMF4330130	24,679
North Inlet-Winyah Bay National Estuarine Research Reserve	11.RD	NA12NOS4200101	1,303
Development of a Genetic Spawning Stock Diversity Index for Western Atlantic Bluefin Tuna	11.RD	NA12NMF4720061	73,941
Interoperability between ESMF and OpenMI: A Case Study	11.RD	1550204	27,601
<b>South Carolina Sea Grant Consortium</b>			
Metal and Nanomaterial Contamination in Stormwater System in South Carolina	11.RD	A/E-SW4	17,495
Characterizing the State of Knowledge of South Carolina Stormwater Detention Ponds: Ecosystem Function writhing the Coastal Landscape	11.RD	A/E-SW2	14,733
Stormwater Pond Inventory for the Eight Coastal Counties of South Carolina	11.RD	NA10OAR4170073	4,526
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	3,212
Vibrio Parahaemolyticus Virulence and Its Magnification in the Eastern Oyster, Crassostrea Virginica	11.RD	N256	17,622
Clonal Aging and the Molecular Basis for Sudden Marsh Dieback	11.RD	N250	12,738
Assessing Aeration as a Means of Improving Storm water Pond Performance and Reducing Organic Loading to the Coastal Zone	11.RD	M479	11,555
Development of a Novel Genetic Approach to Rapidly Detect and Quantify Fish Eggs of Commercially Important Species: a New Tool for Fisheries Management	11.RD	M487	4,148
Hydrology and Pollutant Removal Performance in Detention Ponds Typical of the Lower Coastal Plain of South Carolina	11.RD	N152	39,591
Vibrio Parahaemolyticus Virulence and Its Magnification in the Eastern Oyster, Crassostrea Virginica	11.RD	N156	41,321
Clonal Aging and the Molecular Basis for Sudden Marsh Dieback	11.RD	N150	19,161
Development and Validation of a Novel Molecular Tool to Rapidly Detect and Quantify Harmful Algal Bloom (HAB) Species Linked with Fish Kills and Public Health	11.RD	N154	35,759
<b>University of New Hampshire</b>			
Improving Management of Coastal Habitats: Testing a Tool to Assess the Vulnerability of Coastal Habitats to Climate Change Impact	11.RD	14-020	63,370
<b>Point Blue Conservation Science</b>			
Improving Management Outcomes of Sea-Level Rise Modeling through Standardized Sampling a Key Model Input: Total Suspended Solids above Tidal Marshes	11.RD	POINT BLUE CON	13,889
<b>Rutgers University</b>			
Exploring Mechanisms for Linking Climate Change, Long-Term Laval Fish Abundance, and Water Quality Monitoring Data for Fisheries Management Decisions	11.RD	5087	40,355
<b>Consortium for Ocean Leadership</b>			
IODP Expedition 342: Newfoundland Sediment Drifts; Deciphering North Atlantic Climate Change Through the Cenozoic	11.RD	T342A65	12,153
<b>The Regents of University of Michigan</b>			
A Collaborative Science Program for the National Estuarine Research Reserve System: With End Users Throughout the Applied Research Process	11.RD	3003300692	3,351
<b>Southeast Coastal Ocean Observing Regional Association</b>			
Southeast Coastal Ocean Observing Regions Association (SECOORA): A Framework for Monitoring, Prediction, and Assessment in Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Data Management and Communications (Year 4)	11.RD	IOOS.11(033)USC	160,517
Southeast Coastal Ocean Observing Regions Association (SECOORA): A Framework for Monitoring, Prediction, and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Water Quality Modeling (Year 4)	11.RD	IOO.11(033)USC	30,532
Southeast Coastal Ocean Observing Regions Association (SECOORA): An Environmental Monitoring and Assessment Program to Support Decision-Makers Needs for Coastal and Ocean Data and Products: SC HF Radar & Rip-Current Modeling Tasks	11.RD	10OS.11(033)USC	1,096
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	10OS.11(033)USC	64,250
Southeast Coastal Ocean Observing Regional Association (SECOORA): An Environmental Monitoring and Assessment Program to Support Decision-Makers Needs for Coastal and Ocean Data and Products - USC HF Radar	11.RD	IOOS.11(033)USC	(5,252)

**University of South Carolina**  
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**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Commerce, continued</b>			
<b>Passed through programs from:</b>			
<b>Southeast Coastal Ocean Observing Regional Association, continued</b>			
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 - USC HF Radar	11.RD	IOOS.11(033)USC	80,259
Southeast Coastal Ocean Observing Regional Association (SECOORA): Framework for monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Water Quality Modeling	11.RD	IOOS.11(033)USC	30,795
Southeast Coastal Ocean Observing Regions Association (SECOORA): Framework for Monitoring, Prediction and Assessment to Support Decision-Makers Needs for Coastal and Ocean Data and Tools - Data Management and Communications	11.RD	100.11(033)USC	6,727
<b>South Carolina Department of Natural Resources</b>			
Collaborative Research to Prioritize the Runoff Volume Sensitivities of Tidal Headwaters	11.RD	SCDNR FY2014004	15,898
<b>Total U.S. Department of Commerce</b>			<b>2,978,054</b>
<b>U.S. Department of Defense</b>			
Five Late Discoveries, U.S. Army Garrison, Fort Jackson, South Carolina	12.RD	W9126G-14-20060	42,654
IPA Agreement for K. GANDY	12.RD	WJB DORN VA MED	5,239
Assessment of Training Approaches for VA Staffing Methodology	12.RD	WJB DORN VA MED	13,376
Assessment of Training Approaches for VA Staffing Methodology	12.RD	WJB DORN VA MED	16,358
Assessment of Training Approaches for VA Staffing Methodology	12.RD	WJB DORN VA MED	22,183
Accelerating Peripheral Nerve Regeneration through Spatial Signaling	12.RD	W81XWH-13-10308	214,847
Enhancing Apache CBM Through Tribological Investigation (CLIN 0001)	12.RD	W912QG-13-D0001	13,148
Condition-Based Maintenance Program: Apache Aircraft Components Testing (CLIN 0002)	12.RD	W912QG-13-D0001	195,761
DESIGN, Build, and Operate a Blackhawk Auxiliary Power Unit TEST STAND	12.RD	W912QG-13-D0001	272,604
Identifying Benefits to the Soldier and Maintainer, and Identifying Efficiencies in the Operational Environment through Multi-Platform DSC/HUMS Analysis	12.RD	W912QG-13-D0001	146,319
Fort Jackson, South Carolina, Cultural Resources Program for the Cooperative Ecosystem Studies Unit	12.RD	W9126G-13-20028	36,686
ESRDC - Designing and Powering the Future Fleet	12.RD	N00014-14-10165	994,338
ESRDC - Designing and Powering the Future Fleet	12.RD	N00014-14-10165	239,556
ESRDC - Designing and Powering the Future Fleet: Additional Task 1.2.3 Concept Refinement	12.RD	N00014-14-10668	167,504
Physics of Materials Based Predictive Methodology for AE Signals ID Validated by Experiments under Various Operational and Environmental Conditions	12.RD	N00014-14-10655	51,360
Spectral, Probabilistic, and Information-theoretic Analysis for Graphs and Hypergraphs	12.RD	N00014-13-10717	80,412
Ultrasonic NDE/SHM Equipment for Advanced Materials and Structures	12.RD	FA2386-13-13014	154,230
Quantifying Multi-Scale Response of Engineered and Energetic Materials during Aggressive Conditions	12.RD	FA955-14-10209	40,755
Number Theoretic Problems on Polynomials	12.RD	H98230-14-10123	8,098
Polynomial Problems in Analytic Number Theory	12.RD	H98230-15-10017	3,748
Southeastern Number Theory Meetings	12.RD	H98230-14-10151	10,532
The Social Structural Foundation of Reputation, Cooperation and Prosocial Behavior	12.RD	W911NF-15-10131	27,295
Testing a Mathematical Model of Status Processes and Faction Sizes	12.RD	W911NF-14-10398	34,454
Artifact Curation for the Charlesfort/Santa Elena Archaeological Collection	12.RD	M00263-14-P0116	77,206
Science and Engineering Short Courses: Network and Software Applications Security	12.RD	N6523610D683911	46,668
<b>Passed through programs from:</b>			
<b>University of South Carolina Research Foundation</b>			
Optical Limiting Materials Based on Gold Nanoparticles	12.RD	FA9550-09-10246	(300)
Highly Effective Compression and Evaluation of Geodetic Quantities	12.RD	HM01771210004	149,731
STTR: Phase 2 Capacity Fade of Lithium Ion Cells	12.RD	HQ0147-13-C7167	30,270
Development of High Quality 4H-SiC Thick Epitaxy for Reliable High Power Electronics Using Chlorinated Precursors	12.RD	N00014-10-10530	138,448
Block Copolymer Nanodielectrics-Towards High Energy Density Capacitors	12.RD	N00014-11-10191	(1)
Predictive Modeling of Structural Sensing for Navy Applications	12.RD	N00014-11-10271	90,652
Characterization and Modeling of Solid State Power Substation (SSPS)	12.RD	N00014-12-10985	610
Multiscale Extended Finite Element Method for Failure	12.RD	N00014-13-10386	9,421
Power Electronics, Architecture, Controls, and Design Tools for Electric Ship Systems.	12.RD	R00908	14,043
SBIR PHASE II: Efficient Manufacturing of Low Defect Density SiC Substrates Using a Novel Defect Capped Planarization Assisted Growth (DC-PAG) Method	12.RD	SINMAT INC	41,490
Synthetic Lectins: New Tools for Detection and Management of Prostate Cancer	12.RD	W81XWH-12-10280	197,020
Investigation of Microbe-based Proton Exchange Membranes (MPEMs) for Microbial Fuel Cells (MFCs)	12.RD	N00014-11-10873	17,626
Underwater Explosive Detection with a Combined Tunable UV and 532nm Laser Excited Raman Sensors	12.RD	MA120020	20,197
Ensemble-Based Modeling of Large Graphs and its Applications to Social Networks	12.RD	ND-202016	70,984
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	28,520
Investigation of Distributed versus Centralized Control of Power Electronic Converters in a Naval Test System	12.RD	N00014-11-10529	48,420
USC Participation in the AUFOS NICOP Project with Australia	12.RD	N00014-12-10653	10,019
Mechanisms of Enhanced Flow Boiling with High Frequency Self-Modulated Microbubble-Switched Oscillations	12.RD	N00014-12-10724	68,712
Towards Water-Free Biologics	12.RD	3002059600	59,974
Predictive Sensing for Space Applications	12.RD	FA9550-11-10133	179,278
Metallic Material Image Segmentation by Using 3D Grain Structure Consistency and Intra/Inter-Grain Model Information	12.RD	FA9550-11-10327	64,814
Multiscale Mathematics for Nano-Particle-Endowed Active Membranes and Films	12.RD	FA9550-12-10178	279,905
Polynomial Problems in Analytic Number Theory	12.RD	H98230-12-10240	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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Defense, continued</b>			
<b>Passed through programs from:</b>			
<b>University of South Carolina Research Foundation, continued</b>			
High Power and Long Life SOFC Systems Powered by JP-8	12.RD	N66001-11-14140	10,420
Science and Engineering Short Courses: Mobile Ad Hoc Networks (MANET)	12.RD	N65236-D6839003	41,373
Vitamin D and Related Genes, Race and Prostate Cancer Aggressiveness	12.RD	W81XWH-11-10568	150,730
<b>South Carolina National Guard</b>			
On-Site GA for CRM at McCrady Training Facility	12.RD	4100053849	18,360
Novel MC/BZY Proton Conductor: Materials Development, Device Evaluation, and Theoretical Exploration using CI and DFT Methods	12.RD	20-88502	33,016
<b>Medical University of South Carolina</b>			
Junior Doctors of Health - DOD	12.RD	MUSC12-114	14,240
<b>Texas A &amp; M University</b>			
High Carrier Density, Fast Switching Microscale Plasma Devices Enabled by Exploitation of Plasma Instabilities and High Pressures	12.RD	W911NF-12-10007	17,235
<b>Fermilab</b>			
LBNE Research with Liquid Argon	12.RD	607746	126,311
<b>Concurrent Technology Corporation</b>			
ONC Corrosion FNC Repair Tool	12.RD	150200016	853
<b>Universal Technology Corporation</b>			
Modeling of Damage Evolution in Textile Composites	12.RD	14-S7407-09-C1	21,755
Reconfigurable Pixel Based Conformal Load Bearing Antenna Structures (CLAS)	12.RD	13-S2604-04-C8	4,259
Reconfigurable Pixel Based Conformal Load Bearing Antenna Structures (CLAS)	12.RD	14-S2605-04-CF5	93,322
<b>Total U.S. Department of Defense</b>			<b>4,967,724</b>
<b>U.S. Department of Interior</b>			
Optimization of Marsh Restoration for Storm Surge Abatement and Sea Level Rise	15.RD	F14AC01068	18,665
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	10,250
Development of Ecosystem Forecasting Tool to Assess Climate Change Vulnerability and Predict Vibrio Bacterial Abundance in National Parks of the US	15.RD	P14AC01695	10,000
Modeling Salt Marsh Condition and Resiliency in Four National Parks Based on Local Sea Levels Rise Predictions to Assist Park Managers in Understanding Local Conditions and to Develop Mitigation Strategies	15.RD	P15AC0006-0001	15,729
Benthic Boundary Layer Processes and Bed Evolution during Hurricane Sandy on Fire Island, NY	15.RD	G14AC00074	90,582
<b>Passed through programs from:</b>			
<b>South Carolina Sea Grant Consortium</b>			
Atlantic Offshore Wind Energy Development: Geophysical Mapping, Oceanographic Data Collection, and Identification of Paleolanscapes and Historic Shipwrecks Offshore South Carolina	15.RD	R/BOEM-1B	54,934
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	23,209
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	25,452
<b>South Carolina Department of Archives and History</b>			
Charleston Harbor Stone Fleets Survey	15.RD	SC DAH/NPS/DOI	7,945
Davis College Stabilization and Exterior Renovation	15.RD	SC DEPT ARCHIVE	15,000
South Carolina Archaeology Month Poster 2014	15.RD	ARCHIVES & HIST	2,716
<b>Brockington &amp; Associates, Inc.</b>			
Archaeological Services for Metal Detecting Survey Congaree Battlefield	15.RD	BROCKINGTON & A	3,306
<b>South Carolina Department of Natural Resources</b>			
Identification of Refuge Areas for Genetically Pure Redye Bass Micropterus Coosaw in Savannah Basin Streams	15.RD	P24015405413	10,864
<b>South Carolina Research Foundation</b>			
Synthesis of High and Low Marsh Habitat Mapping and Responses to Sea-Level Rise in the South Atlantic Region	15.RD	A130120-S002	61,533
Reconnaissance Study of Sherman's Campaign Through South Carolina (Year 2)	15.RD	GA-2287-11-020	411
Sediment Trapping Program in the Gulf of Mexico	15.RD	G11PX01039	12,900
Assess the Distribution and Status of Champion Trees at Congaree National Park, CESU	15.RD	P12AC11171-0001	2,957
Climate Change-Induced Changes in Flow Regime, Floodplain Inundation and Species Habitats at Congaree National Park	15.RD	P10AC00530-001	36,292
Magnitude and Pattern of Floodplain Sedimentation in the Bates Fork Tract, Congaree National Park - CESU	15.RD	P11AC91083-0001	1,947
<b>Total U.S. Department of Interior</b>			<b>404,692</b>

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Justice</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
Multimode Imaging in the Thermal Infrared: Validation for Blood, Extension to Latent Prints	16.RD	2011-IJ-CX-K055	116,460
The Impact of Incarceration on Families: A Single-Jurisdiction Pilot Study Using Triangulated Administrative Data and Qualitative Interviews	16.RD	2012-IJ-CX-0034	135,825
Evidence-Based Solutions to Reduce Law Enforcement Officer Vehicular Crashes	16.RD	2012-DB-BX-K002	104,150
<b>Medical University of South Carolina</b>			
Internet Crimes Against Children: Development of a Typology of Offenders for Use in Prevention, Investigations, and Treatment	16.RD	MUSC11-088	6,973
Internet Crimes Against Children: Development of a Typology of Offenders for Use in Prevention, Investigations, and Treatment	16.RD	MUSC11-062	26,467
Internet Crimes Against Children: Development of a Typology of Offenders for Use in Prevention, Investigations, and Treatment	16.RD	MUSC12-060	18,418
<b>Total U.S. Department of Justice</b>			<b>408,293</b>
<b>U.S. Department of State</b>			
Justice Sector Training, Research and Coordination Program (JusTRAC)	19.RD	S-INLEC14CA1037	469,369
<b>Total Department of State</b>			<b>469,369</b>
<b>U.S. Department of Transportation</b>			
High-Strength Reduced-Modulus High Performance Concrete (HSRM-HPC) for Prestressed Concrete Tie Applications	20.RD	DTRF53-14C00023	83,896
<b>Passed through programs from:</b>			
<b>South Carolina Department of Transportation</b>			
Investigation of the Performance and Benefits of Deck Tee Bridge Girders for Accelerated Construction	20.RD	36Q100BR36020	5,746
Calibration of the AASHTO Pavement Design Guide to South Carolina Conditions - Phase 1	20.RD	1597	62,957
IBRD Program: In-Situ Monitoring of Precast Approach Slabs	20.RD	1534/445L2EBR44	5,153
A GIS-based Mitigation Forecasting Tool and Study on Advanced Mitigation Processes used by DOTs	20.RD	1633	129,903
<b>South Carolina Department of Archives and History</b>			
ArchSite IIB: Research and Support for Web-Based Archaeological & Historical Site Geodata	20.RD	SCDAH/DOT	33,137
<b>Clemson University</b>			
SCDOT Asset Allocation	20.RD	1796223-2010467	13,984
Operational and Economic Analysis	20.RD	CLEMSON/SCDOT	4,363
Support for the Development and Implementation of an Access Management Program through Research and Analysis of Collision Data	20.RD	1675223-2009400	33,588
Integration of the Incident Command System (ICS) Protocol for Effective Coordination of Multi-Agency Responses to Traffic Incidents	20.RD	16322232008983	40,587
Applying Successfully Proven Measures in Roadway Safety to Reduce Harmful Collisions in South Carolina	20.RD	1698223-2009709	16,336
<b>Total U.S. Department of Transportation</b>			<b>429,650</b>
<b>National Aeronautics and Space Administration</b>			
Mathematical Modeling and Simulation of Spacebased Droplet Combustion - Scientific Support to the FLEX1 and FLEX2 Program	43.RD	NNX14AG46A	91,267
Connecting the Interstellar Gas and Dust Properties of Distant Galaxies	43.RD	NNX14AG74G	3,349
Oxygen Recovery via Carbon Dioxide Electrolysis with Microtubular Solid Oxide Cells	43.RD	NNX14AB26G	122,272
Debra Wallace Assignment Agreement	43.RD	NASA	85,294
Debra Wallace Assignment Agreement	43.RD	NASA	81,271
Determination of Available Water Capacity for the Mekong River Basin using model, satellite and ground observations	43.RD	NNX14AQ056	7,669
Miniature Spatial Heterodyne Time-Resolved Raman Spectrometer (SRHS) for Planetary Surface and Subsurface Boreholes Mineralogy	43.RD	NNX14AI34G	169,052
<b>Passed through programs from:</b>			
<b>College of Charleston</b>			
Design, Manufacture, Evaluation, and Multi-physical Modeling of Aerospace Composite Materials for Enhanced Reliability	43.RD	521000-USC	122,034
USC-SC Space Grant Consortium Award	43.RD	20-SG-USC-BULUS	2,694
A Miniature, High-Resolution, Stationary Grating Spatial Heterodyne UV Raman Spectrometer for Planetary and Space Applications	43.RD	21NEUSC ANGELRG	21,211
Developing Tunable and Lightweight Material Systems Using Woodpile Phononic Crystals	43.RD	21NEUSCKIDAND R	9,188
A Hybrid PZT-Laser Vibrometer Ultrasonic SHM/NDE Methodology	43.RD	21-NE-USC YURGP	23,263
Explore a Unified, Ultra-efficient, and Gravity-insensitive Flow Boiling Regime for Space Missions	43.RD	521154-USC	158,597
Heterogeneous Nanodielectric Polymers for High Energy-Density Capacitor Applications	43.RD	22-NE-USC-TANG	9,059
A Novel Computational Method for Nondestructive Evaluation of Space Composites	43.RD	521179-PA-USCBA	556
<b>Jacobs Technology, Inc</b>			
Novel Pressure Swing Adsorption (PSA) Cycle to Facilitate Heavy Component (CO2) Enrichment and Recovery	43.RD	15N0052	107,975
<b>South Carolina Research Foundation</b>			
Development of Pressure Swing Adsorption Technology for Spaceflight Medical Oxygen Concentrators	43.RD	NCC-9-58-374	(32,038)
Downscaling of Passive Microwave Soil Moisture Using Vegetation and Surface Temperature	43.RD	NNX12AP75G	142,668
Physiological Impacts of Climate Change Using Remote Sensing	43.RD	NNX11AP77G	278,585
Physiological Impacts of Climate Change Using Remote Sensing	43.RD	NNX11AP77G	20,895
Physiological Impacts of Climate Change Using Remote Sensing	43.RD	NNX11AP77G	19,882
Unmanned Aircraft Systems (UAS) Research: The AG Channel, Robust Waveforms, and Aeronautical Network Simulations	43.RD	NNX12AR56G	119,873
New Approaches to Understanding the MJO using Satellite Altimetry and Aquarius Salinity in the Tropical Oceans	43.RD	NNX13AM60G	65,600
Molecules in the Distant Universe: Herschel Spectroscopy of Damped Lyman-alpha Quasar Absorbers	43.RD	1427151	76,914

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>National Aeronautics and Space Administration, continued</b>			
Passed through programs from:			
<b>South Carolina Research Foundation, continued</b>			
Rings of Fire: A Spitzer IRAC Study of Polar Ring Galaxies	43.RD	1438611/710076	2,759
Sub-Damped Lyman-alpha Absorbers at $z < 0.6$ : An Unexplored Terrain In the Quest for Cosmic Metals	43.RD	HST-GO-1253601A	77,477
<b>South Carolina Space Grant Consortium</b>			
The Role of Microgravity in Regulation of Stem Cell Osteogenic Response in An Inflammatory Microenvironment	43.RD	SC SPACE GRT CO	5,988
<b>Total National Aeronautics and Space Administration</b>			<b>1,793,354</b>
<b>Institute of Museum and Library Services</b>			
Trees and Tweets: Mining Billions to Understand Human Migration and Dialect Variation	45.RD	LG-00-14-003014	37,203
Passed through programs from:			
<b>South Carolina Research Foundation</b>			
Development and Validation of Infrared Spectroscopy as a Rapid, Non-destructive Tool for Determining the Degradation State and Magnetic Tape	45.RD	LG-06-12-056912	139,727
McKissick Museum: Natural Science Collections Inventory & Cataloging Project	45.RD	MA-05-11-031911	108
Historic Mineral & Fossil Collections Revisited	45.RD	MA-30-13-059813	22,876
<b>Total Institute of Museum and Library Services</b>			<b>199,914</b>
<b>National Endowment for the Humanities</b>			
AEO-Light 2.0: An Open Source Application for Image-Based Digital Reproduction of Optical Film Sound	45.RD		40,602
The Revolutionary Era Pinckney Statesmen of South Carolina: a Digital Documentary Edition	45.RD	RQ5074813	142,674
Passed through programs from:			
<b>The Humanities Council</b>			
Coming Full Circle: Contemporary Southeastern Native Arts	45.RD	14-1540-1	5,975
<b>South Carolina Research Foundation</b>			
PARAGON: Intelligent Digital Collation and Difference Detection	45.RD	HK-50032-12	22,364
PARAGON: Intelligent Digital Collation and Difference Detection	45.RD	HK-50032-12	22,046
PARAGON: Intelligent Digital Collation and Difference Detection	45.RD	HK-50032-12	53,203
<b>Total National Endowment for the Humanities</b>			<b>286,864</b>
<b>National Science Foundation</b>			
GRDS: CAREER InN Nanowire Based Multifunctional Nanocantilever Sensors	47.RD	0846898	3,469
NSF Graduate Fellowship (Benjamin Toscano)	47.RD	0929297	5,333
NSF Graduate Fellowship: Benjamin Davis	47.RD	0929297	41,354
NSF Graduate Fellowship (Chase Nelson)	47.RD	0929297	41,060
NSF Graduate Fellowship: Rachel Stewart	47.RD	0929297	44,000
Collaborative Research: Laser Induced Breakdown Spectroscopy System for Alvin	47.RD	1154735	112,069
The Study of Nuclear Physics with Intermediate Energy Probes	47.RD	1205782	596,676
IGERT: Functional Nanomaterials for Sustainable Energy Solutions	47.RD	1250052	370,990
Experiments and Numerical Modeling	47.RD	1250641	49,517
CAREER: Metal-Semiconductor Hybrid Core-Shell Heteronanostructures with Geometrically Tunable Optical Properties	47.RD	1253231	110,521
CAREER: PRUGC-Phylogenetic Reconstructions with Unequal Gene Contents	47.RD	1253614	(114)
CAREER: Uncertainty Quantification in the Rational Design of Bifunctional Catalysts	47.RD	1254352	30,285
Assimilation Rates of Dissolved Organic Carbon by Photomixotrophic Estuarine Phytoplankton	47.RD	1260134	115,863
The Medieval Black Death: Analysis of the Demographic, Health and Social Consequences of a Historic Emerging Disease	47.RD	1261682	30,797
Unraveling the Mechanisms of Superior Oxygen Reduction Reaction Kinetics Promoted by Molten Carbonates:			
Implications for Low Temperature Solid Oxide Fuel Cells	47.RD	1264706	102,409
Collaborative Research: Wavelet Analysis of Periodic Error for Improved Displacement Metrology	47.RD	1265881	42,458
Friction Extrusion Process and Equipment Development for Production of High Value Materials From Low-Cost Precursors	47.RD	1266043	88,130
Understanding the Chemical Activity of Oxide-supported Bimetallic Clusters	47.RD	1300227	123,896
Extremal and Probabilistic Combinatorics with Applications	47.RD	1300547	30,273
REU Supplement: Crystal Growth of Complex Luminescent Oxides	47.RD	1301757	6,706
Crystal Growth of Complex Luminescent Oxides	47.RD	1301757	140,803
Doctoral Dissertation Research: Beliefs, Attitudes, and Intended Tornado Sheltering Strategies of Mobile Home Residents	47.RD	1301822	7,132
Doctoral Dissertation Research: The Meaning of Place Recovery on the Mississippi coast	47.RD	1301830	439
Self-assembled Organic Nanotubes from Cyclic Ureas	47.RD	1305136	137,620
Participation in the Construction and Operation of the CUORE and Majorana Neutrinoless Double-Beta Decay Experiments	47.RD	1307204	389,593
Development of Functional Polymer-Protein Core-Shell Nanoparticles	47.RD	1307319	159,141
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	1308211	168,908
Reaction Networks in Environmental Systems: Connecting Reactive Oxygen Species Generation and Particle Formation during the Oxidation of Ferrous Iron	47.RD	1308801	174,165
Mathematical Modeling and Computational Studies for Proliferation Kinetics of Cancer Tumor Growth with Spatial-Temporal Dynamics	47.RD	1308948	31,205
Defect Engineered Graphene Gate in a Sub threshold SIC MESFET for Emissions Sensing	47.RD	1309466	11,524
Defect Engineered Graphene Gate in a Subthreshold SIC MESFET for Emissions Sensing	47.RD	1309466	101,184
Molecular Balance for Measuring Molecular-Level Anion Effects on Amino Acids	47.RD	1310139	121,793

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>National Science Foundation, continued</b>			
Fluid and Chemical Fluxes Across the Seafloor of a Passive Margin	47.RD	1316250	136,180
Chiral Silyl Chloride Investigations - Uncovering the Mechanism of Silylation	47.RD	1317771	6,675
A 3D Hybrid Discrete-Continuum Model for Cellular Aggregate Fusion	47.RD	1317771	17,162
GEAR Grant: Effects of Cuclical Mechanical Strain on Elastian Production and Gene Expression in Tissue-engineered Conctructs	47.RD	1317771	33,300
Unraveling the Role Asymmetric Division in Lineage Specification of Stem Cells	47.RD	1317771	8,388
NSF EPSCoR Research Infrastructure Improvement (RII) Track 1	47.RD	1317771	375,257
NSF EPSCoR Research Infrastructure Improvement (RII)	47.RD	1317771	364,541
SAN: Development of Robust Protocols for the Amplification of Microsatellite Loci in Marine Invertebrates	47.RD	1317771	1,182
Multiscale Computational Methods with Applications in Materials Science and Tissue Engineering	47.RD	1318866	23,671
Collaborative Research: Sea-Level Rise and Salt-Marsh Response: a Paleo Perspective	47.RD	1322859	5,386
EAGER/Collaborative Research: Overcoming Barriers to Diffusion and Adoption of Sustainable and Resilient Building Materials in Coastal Areas of Southern Mexico	47.RD	1321489	39,861
VOSS Collaborative Research: I Want you to Know Who I Am: Identity Communication and Verification in Virtual Teams	47.RD	1322001	44,753
CPSS: Synergy: Collaborative Research: Engineering Safety-Critical Cyber-Physical-Human Systems	47.RD	1329870	66,878
Doctoral Dissertation Research: A Theory of Reward Stability and Group Cooperation	47.RD	1332428	537
Collaborative Research: Measuring Social Vulnerability--Reducing Uncertainty and Validating Indicators	47.RD	1333243	67,837
Collaborative Research: Experimental Constraints on Marine Fe Isotope Effects: Biology, Ligands, and Particles	47.RD	1334029	96,470
Nan tips Induced Boundary Layer to Enhance Flow Boiling in Micro channels	47.RD	1336443	19,881
Effect of Microstructure and Interface Layer on the Fracture and Thermal Behavior of Nanocomposites	47.RD	1342379	79,451
Allocation, Life History and Senescence: An Integrated Approach	47.RD	1343671	521
NUE: Nanotechnology LINK: An Integrated Approach for Nanotechnology Education: End-of-Life Management of Nanomaterial-containing Wastes	47.RD	1343756	80,526
Collaborative Research: PGE and Pb Systematics in Altered Abyssal Peridotites: Integrating Experiments with Natural Samples	47.RD	1347890	57,307
EAGER: Novel Photoacoustic Sensor using Piezoresistive GaN Microcantilever	47.RD	1348166	4,365
Regulation of Floral Growth and Patterning in Arabidopsis	47.RD	1354452	131,905
I-Corps: Measuring Parallel Permeation of Gases through Barrier Packaging Materials	47.RD	1356047	155
I-Corps: Biomimetic Degradable Load Bearing Osteoconductive Bone Graft	47.RD	1357109	(641)
EPRI: On-demand Sweating-Boosted Air Cooled Heat-Pipe Condensers for Green Power Plants	47.RD	1357920	174,828
REU Site: Cradle to the Grave - CO2 Opportunities and Challenges	47.RD	1358931	114,672
Collaborative Research Planning Grant: I/UCRC for the Center for Rational Catalyst Synthesis	47.RD	1361943	10,429
Software for Emergency Preparedness for Dam or Levee Failure	47.RD	1400850	24,285
EAGER: Place Attachment and Collective Action: The Changing Landscape of Urban Neighborhoods	47.RD	1402515	90,987
EAGER: Direct Storage of Solar Energy as Electricity	47.RD	1408751	62,846
Workshop on Combinatorial Approaches to Functional Materials	47.RD	1418725	158,476
SHF: Small: Collaborative Research: The Sutomata Programming Paradigm for For Genomic Analysis	47.RD	1421059	33,762
Workshop on Combinatorial Approaches to Functional Materials	47.RD	1439054	12,422
PFI:AIR- TT: Biomimetic Composity for Segmental Bone Regeneration	47.RD	1500242	3,280
Collaborative Research: I/UCRC Phase I: Center for Rational Catalyst Synthesis	47.RD	1464630	14,725
Collaborative Research: Processing and Assembly of Devices with Tailored Magnetic Properties	47.RD	1436560	20,555
9th International Conference on the Environment Effects of Nanoparticles and Nanomaterials	47.RD	1361594	34,997
Collaborative Research : "IUCRC on Grid-Connected Advanced Power Electronics Systems (GRAPES), Phase II	47.RD	1439689	23,518
Evaluation of the Role of Size Disparity on Nanoparticle Uptake and Ecotoxicity	47.RD	1437307	24,604
Cancer Stem Cell Mechanotransduction in Engineered Matrix	47.RD	1403545	12,199
Collaborative Research: Advanced Zeolite-Composite Adorbents with Fine-Tuned Pore Sizes for Molecular Sieving Separations	47.RD	1402772	74,461
Commercializing a Sulfur-Tolerant JP-8 Fuel Converter	47.RD	1449506	49,506
Collaborative Proposal: Impacts of Energy Extraction and Coal-Fired Power Plants on Disinfection by-Product Formation in Water	47.RD	1438625	13,889
Career: A Few Layer Thin, Graphene-Based Membranes: Nanostructure Understanding, Permeation Mechanism and Separation Application	47.RD	1451887	16,201
Electrochemical Capture of CO2 and InstantConversion into Syngas: A Combined Mechanistic and Engineering Approach	47.RD	1401280	67,896
Phase-field Models, Algorithms and Simulations for Multiphase Complex Fluids	47.RD	1418898	23,984
Collaborative Research: A Molecular-to-Continuum, Data-Driven Strategy for Mucus Transport Modeling	47.RD	1410047	33,547
Southeastern Number Theory Meetings	47.RD	1404714	12,388
Banach Spaces and Applications	47.RD	1361461	26,130
National Resin Acid-Containing Antimicrobial Materials: Synthesis and Mechanism	47.RD	1206072	52,111
A New Treatment to Dimension Reduction via Semiparametrics	47.RD	1463094	72,751
Multidemsional Methods for Kinetics in Complex Materials	47.RD	1403027	146,556
MRI:Acquisition of a Small-angel X-ray Scattering Instrument	47.RD	1428620	317,283
Exploring Geological Activity Associated with Off-Axis Melt Sills at the East Pacific Rise	47.RD	1357726	10,014
Bioavailability of Archic Soil Carbon: Examining the Relationship Between Chemical Composition and Lability During the Holocene	47.RD	1417711	62,280
Collaborative Research: Isotopic Insights to Mercury in Marine Food Webs and How it Varies with Ocean Biochemistry	47.RD	1433313	106,855
Collaborative Research: GEOTRACES Artic Section: Radium and Thorium Isotopes as Natural Geochemical Tracers in the Artic Ocean	47.RD	1458424	4,395
Collaborative Research: Climate Change and Upwelling -- Comparative Analysis of Current & Future Responses of the California and Benguela Ecosystems	47.RD	1434530	1,127
Early Career Instrument and Technician Support for the Isitopic Analysis of Individual Organic Compounds in the Earth System	47.RD	1349539	98,008
NeTS: Small: Collaborative: Infrastructure Mobility	47.RD	1421697	13,871
CSBR: Living Stocks - A Stock Center for Peromyscus	47.RD	1349230	188,589
Status, Faction Sizes and Social Influence: Testing Two Competing Mechanisms	47.RD	1419744	27,306
Collaborative Research: Skeletal Muscle Constraint on Relative Brain Size	47.RD	1440599	12,277
<b>Passed through programs from:</b>			
<b>Consortium for Ocean Leadership</b>			
Continental Crust Formation at Intra-Oceanic Arc: Arc Foundations, Inception and Early Evolution	47.RD	T351A65	50,513
<b>Ohio University</b>			
Power-Efficient Reconfigurable Wireless Network-on-Chip (NoC) Interconnects for Future Many-core Architectures	47.RD	UT17212	42,152

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**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>National Science Foundation, continued</b>			
<b>Passed through programs from:</b>			
<b>South Carolina State University</b>			
SCAMP Phase III: Enhancing Opportunities to Transition Students into Successful STEM Pathways	47.RD	13581099scampus	15,650
<b>South Carolina EPSCoR</b>			
Computational Science at the University of South Carolina Beaufort	47.RD	1317771	52,783
<b>South Carolina Research Foundation</b>			
CUORE: Phase 1 Construction and Crystal Bolometer Research and Development	47.RD	0605119	125,641
PIRE: Modeling of Flood Hazards and Geomorphic Impacts of Levee Breach and Dam Failure	47.RD	0730246	196,948
Collaborative Research: The Cariaco Basin Oceanographic Time Series Program	47.RD	0752037	28,148
Mechanistic and Structural Studies of Novel Heme-Containing Enzymes	47.RD	0820456	4,441
CAREER: Design Automation for High-Performance Reconfigurable Computing	47.RD	0844951	31,305
REU Supplement: CAREER: Design Automation for High-Performance Reconfigurable Computing	47.RD	0844951	7,893
CAREER: THAWS-Towards Highly Available Wireless Services (REU Supplement)	47.RD	0845671	23,507
CAREER: Integrated Modeling for Watershed Management	47.RD	0846244	18,354
CAREER: Cooperative Human-Computer Model Updating Cognitive Systems (MUCogS)	47.RD	0846258	29,984
CAREER: InN Nanowire Based Multifunctional Nano cantilever Sensors	47.RD	0846898	87,452
REU-CAREER: InN nanowire based multifunctional nanocantilever sensors	47.RD	0846898	9,276
GRS: CAREER: InN nanowire based multifunctional nanocantilever sensors	47.RD	0846898	19,795
CAREER: Spin-Polarized Currents in Nanostructures	47.RD	0847159	53,154
Collaborative Research: Center for Fuel Cells: a Multi-University I/UCRC	47.RD	0856055	(3,863)
Exact Modeling of Power and Energy Transduction for Optimum Design of Structurally-Integrated Thin-Film Active Sensors	47.RD	0925466	8,098
Environmental Signal Analysis: Monitoring the Impacts of Climate Change on Rocky Intertidal Ecosystem across a Cascade of Scales	47.RD	0926581	1,667
Environmental Signal Analysis: Monitoring the Impacts of Climate Change on Rocky Intertidal Ecosystems across a Cascade of Scales	47.RD	0926581	5,713
Collaborative Renewal Proposal: NSF Center for Friction Stir Processing I/UCRC	47.RD	0934319	1,929
Collaborative Renewal Proposal: NSF Center for Friction Stir Processing I/UCRC (REU Supplement)	47.RD	0934319	3,200
CAREER: Algorithms for Minimalist Robot Teams	47.RD	0953503	67,641
Sensors for Characterization of Phytoplankton Size and Taxonomic Composition Using Spectral Fluorescence Signatures and Imaging Multivariate Optical Computing (IMOC)	47.RD	0958831	19
Purification of the Ge-76 for the Majorcan Demonstrator	47.RD	1003399	11,028
Ligand Design for Molecular and Supramolecular Control of the Structures of Metal Complexes: Investigations of Unusual Magnetic Properties	47.RD	1011736	47,269
RI: Small: 3D Nonrigid Object Reconstruction from Large-Scale Unorganized 2D Images	47.RD	1017199	152,694
REU Supplement- RI: Small: 3D Nonrigid Object Reconstruction from Large-Scale Unorganized 2D Images	47.RD	1017199	2,250
REU Supplement: NeTS: Small: Collaborative: PHY-Informed Networking (PHY-IN): Rethinking Wireless Protocol Design with the Knowledge of PHY	47.RD	1017276	19,660
USCA Cognitive Neuroscience Learning Community	47.RD	1020906	29,303
Characterization of a Novel Nickel Metalloregulatory Protein, Yqjl	47.RD	1022288	44,387
REU: Characterization of a Novel Nickel Metalloregulatory Protein, Yqjl	47.RD	1022288	1,664
Collaborative Research: Implementing and Assessing Strategies for Environment for Fostering Effective Critical Thinking (EFFECTS) Development and Implementation	47.RD	1022971	98,029
The Role of Host Proteins in HC-Pro Suppression of Silencing	47.RD	1029803	5,999
Synergistic Modeling: Manufacture and Design of 'Nano' Microstructures	47.RD	1030162	3,632
Collaborative Research: Plankton Community Composition and Tropic Interactions as Modifiers of Carbon Export in the Sargasso Sea	47.RD	1030345	114,502
I/UCRC Fundamental Research: Gallium Nitride Optical Isolation for Wide Bandgap Power Electronic Systems: RET/V Supplement	47.RD	1031987	2,491
Ocean Acidification - Category 1: Real Time Assessment of Ocean Acidification Proxies and Their Incorporation in the Marine Sediment Record	47.RD	1039503	36,626
Ocean Acidification - Category 1: Identifying Adaptive Responses of Polar Fishes in a Vulnerable Ecosystem	47.RD	1040945	3,587
Acquisition of a Computer Cluster for Wide-Range Chemical Applications and Education	47.RD	1048629	29,972
LTREB: Long Term Studies of Salt Marsh Primary Production	47.RD	1052636	44,875
Channel Properties Where Fluvial and Tidal Currents Meet	47.RD	1053299	29,617
CAREER: Hydrothermal Carbonization of Mixed Feedstocks: Implications for Sustainable Waste Management	47.RD	1055327	59,329
CAREER: Asymmetric Silylation of Secondary Alcohols and Mechanistic Investigations	47.RD	1055616	55,457
CAREER: Approximate Description of Nuclear Quantum Effects Applicable to Large Molecular Systems	47.RD	1056188	132,243
The Logic of Collective Action in Large Groups	47.RD	1058236	30,718
REU: The Logic of Collective Action in Large Groups	47.RD	1058236	1,665
Collaborative Research: Chemical and Biological Characterizations of Phosphonate and Polyphosphate Dynamics in Marine Phytoplankton	47.RD	1061094	(105)
Rapid: Field Data on Levee Breaches	47.RD	1068116	26,248
Theoretical Studies of Hadronic and Nuclear Dynamics	47.RD	1068305	148,507
Nanoelectromechanical Uncooled Infrared Sensor Using Epitaxial Graphene	47.RD	1029346	(2,688)
BME: Engineering the Surface Chemistry of Nanoparticles: A Two-Stage Attack on Infection Biofilms	47.RD	1032579	1,082
Modeling of Flow and Morphodynamics of Sinuous Submarine Channels	47.RD	1061244	60,656
Integrated Multi-physicochemical Processes Induced Stresses to Study Structural Reliability for Solid Oxide Fuel Cells: Modeling and Experiments	47.RD	1100085	161,012
Simulation of Integrated Urban Infrastructure Systems using Component-based Modeling	47.RD	1100227	11,439
Banach Spaces with Applications to Compressed Sensing and Greedy Convergence	47.RD	1101490	10,911
US Egypt Cooperative Research: Luminescent Molecularly Imprinted Polymer Sensor Arrays	47.RD	1103904	10,502
Synthesis of Polynuclear Transition Metal-Heavy Main Group Metal Carbonyl Complexes for Uses as Next-Generation Recurrent Events, Dynamic Reliability Models, and Multiple Decision-Making with High Dimensional Data	47.RD	1106435	28,346

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**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>National Science Foundation, continued</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation, continued</b>			
Collaborative Research: Spectral Diagnostics of Heavy Elements at High Redshift	47.RD	1108830	81,167
Synthesis of Polynuclear Transition Metal - Heavy Main Group Metal Carbonyl Complexes for Use as Next-Generation			
Multimetallic Heterogeneous Nono-Catalysts	47.RD	1111496	55,904
Multidimensional Incoherent Spectroscopy for Measuring Condensed-Phase Dynamics	47.RD	1111530	41,094
Web-based Tools for Developing and Accessing Sociological Theory	47.RD	1123040	23,591
Collaborative Research: Maplets for Calculus (M4C)	47.RD	1123170	48,488
CDI-TYPE 1: Intertidal Sensor Networks for Climate Change Studies in Intertidal Ecosystems	47.RD	1124657	149,850
Collaborative Research: Impact of Salt Water Intrusion on C Storage in Tidal Freshwater Wetlands: Assessing the Amount,			
Linking Variation in Metabolic Processes as a Key to Prediction (ROA: Parasite Impact on Crab Behavior and Energetics)	47.RD	1129166	1,809
Climate Change and Biogeography: Effects of Extreme Events	47.RD	1129401	142,205
Programmable Polymers based on Restricted Rotation	47.RD	1112431	81,071
GOALI: Low Dislocation Density Semi-polar III-Nitride Substrates for Polarization Free Ultraviolet Light Emitting Diodes	47.RD	1128563	10,336
Collaborative Research: Pattern Transfer Nano manufacturing with Magnetically-Recorded Nanotemplates	47.RD	1130636	68,545
DRRC: Baseline Indicators for Monitoring Disaster Resilience in Rural Places	47.RD	1132755	29,126
Career: Linking Microbial Phylogenetic and Functional Gene Diversity to Microbial Mat Ecosystem Function Following			
Environmental Disturbance	47.RD	1149447	145,186
CAREER: Towards Multimodal and Multialgorithm Facial Activity Understanding by Audiovisual Information Fusion	47.RD	1149787	39,655
CAREER: African American Father Engagement and Early Adolescents' Academic and Social Adjustment	47.RD	1150963	46,263
Gaze Control during Scene Viewing: Behavioral and Computational Approaches	47.RD	1151358	72,416
Cationic Cobaltocenium Polyelectrolyte Polymers: Synthesis, Self-Assembly and Utilities	47.RD	1151479	93,040
Rational Design of Selective Hydrodeoxygenation Catalysts for Organic Acids	47.RD	1153012	179,890
Seeking Hidden Glaciation of the Greenhouse World	47.RD	1155630	(2,333)
REU Sites: Summer Research Experience in Brain and Cognitive Sciences	47.RD	1156522	91,501
REU Site: Marine Biogeochemistry at the University of South Carolina	47.RD	1156831	128,612
Regulation of Genetic Recombination in Mammals	47.RD	1157416	165,234
Collaborative Research: Rational Design of Bifunctional Catalysts for the Conversion of Levulinic Acid to Gamma-Valerolactone	47.RD	1159863	58,199
GOALI: A Scientific Synthesis of Bimetallic Catalysts	47.RD	1160036	109,324
REU Supplement- GOALI: A Scientific Synthesis of Bimetallic Catalysts	47.RD	1160036	7,800
Greedy Approximation in Banach Spaces and Compressed Sensing	47.RD	1160841	17,205
III: Medium: Collaborative Research: Developing a 3D Browser to Explore Genomes	47.RD	1161586	165,156
Homological and Positive Characteristics Questions in Commutative Algebra	47.RD	1200085	41,457
Biomechanics of Arterial Tissue Failure at Multiple Length Scales	47.RD	1200358	126,511
Collaborative Research: Experimentally Guided Mathematics for the Mechanochemistry of Cell Sharp Dynamics	47.RD	1200487	109,369
Zeta Functions and the Distribution of Field Discriminants	47.RD	1201330	25,188
Efficient Unconventional Computing with Adaptable Memory Circuit Elements	47.RD	1202383	60,868
Natural Resin Acid-Containing Antimicrobial Materials: Synthesis and Mechanism	47.RD	1206072	66,864
Processing an Additional Quality of Ge-76 for the Majorana Demonstrator	47.RD	1206314	20,303
Materials World Network: Ceramic Anode-Supported Solid Oxide Fuel Cells with High Performance and Tolerances towards			
Carbon Deposition and Sulfur Poisoning	47.RD	1210792	60,051
Representation and Approximation of Functions in Nonclassical and Anisotropic Settings with Applications	47.RD	1211528	47,232
Development of Correlation Operator Approach to Model Electron Correlation	47.RD	1213604	14,123
Numerical Improvements, Mesh Adaptation and Parameter Identification for Parallel Finite Element Stokes Ice Sheet Modeling	47.RD	1215659	48,019
Material Transformation and Community Creation at the Etowah Site, Georgia	47.RD	1216571	18,381
Development and Analysis of Fast Numerical Methods for Fractional Diffusion and Advection-Diffusion Equations	47.RD	1216923	87,398
ATD Collaborative Research: Theory and Algorithms for High Dimensional Learning	47.RD	1222390	76,484
FSML: Imaging Instrument Array for Coastal Landscape and Ecosystem Analysis at the Baruch Marine Field Laboratory,			
University of South Carolina	47.RD	1226825	19,508
Deltaic Resilience and the Genesis of Mesopotamian Cities (Iraq)	47.RD	1227784	31,157
Collaborative Research: US GEOTRACES Pacific Zonal Transect: Rates of Supply, Removal and Internal Cycling of			
Trace Elements and Isotopes	47.RD	1231211	18,145
The Microglial Carbon Pump and Bacterial Carbon Sequestration in the Ocean	47.RD	1233373	120,086
GEOTRACES Pacific Section: Dissolved Fe, Cd, and Zn Isotopes	47.RD	1235150	100,074
Pollutant Formation During Ox-Combustion of Coal	47.RD	1236761	93,110
SHB: Type II (INT): Collaborative Research: Creating Learning Systems with Mobile Technology to Improve			
Coordination in Perioperative Services	47.RD	1237080	63,478
SHB: Type II (INT): Collaborative Research: Creating Learning Systems with Mobile Technology to Improve			
Coordination in Perioperative Services	47.RD	1237080	46,826
Collaborative Research: EAGER: Evaluating the Larsen Basin's Suitability for testing the Cretaceous Glaciation Hypothesis	47.RD	1241460	41,594
REU Supplement: Novel Beam Steering Apertures and Waveforms for High Capacity Broadband Wireless Nodes	47.RD	1247503	10,105
Novel Beam Steering Apertures and Waveforms for High Capacity Broadband Wireless Nodes	47.RD	1247503	134,336
Career: Renewable Polymers and Composites Derived from Hydrocarbon-Rich Natural Resin	47.RD	1252611	119,789
CAREER: Smart RF/Microwave Components Using Nano-Film Slow Wave Elements	47.RD	1253929	73,756
Collaborative Research: The Cariaco Basin Oceanographic Time Series	47.RD	1258991	255,383
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	57,841
Designed Interfaces on Nanoparticles via RAFT Polymerization	47.RD	1(GG002872)	(1,439)
REU Supplement: Lime-Stabilized Earth Blocks with Recycled Plastic Reinforcement for Hazard Resilience	47.RD	1131161	9,862
MRI: Development of a Multifunctional Far-Field Nanoscopic System for Multidisciplinary Research	47.RD	1040227	15,477
Linking Variation in Metabolic Processes as a Key to Prediction	47.RD	1129166	109,016
The South East Alliance for Graduate Education and the Professoriate (SEAGEP)	47.RD	UF05037	(2,905)

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>National Science Foundation, continued</b>			
Passed through programs from:			
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	OCE-939564	2,660
University of Washington			
Transfer of Funds on NSF Grant from Univ. of Washington to USC	47.RD	756840	31,062
Zillioninfo			
Computing-Assisted Zoning Optimization and Service	47.RD	ZILLIONINFO/NSF	24,347
<b>Total National Science Foundation</b>			<b>13,818,914</b>
<b>Securities &amp; Exchange Commission</b>			
Employee Assignment Agreement between Dr. Tanakorn Makaew of the Darla Moore School of Business and the US Securities and Exchange Commission	58.RD	US SECURITIES	115,332
<b>Total Securities &amp; Exchange Commission</b>			<b>115,332</b>
<b>U.S. Department of Veterans Affairs</b>			
Modeling Individual Differences in PTSD	64.RD	544-D35034	4,970
Modeling Individual Differences in PTSD	64.RD	544-D35036	13,662
Modeling Individual Differences in PTSD	64.RD	544-D35036	57,289
Modeling Individual Differences in PTSD	64.RD	544-D35036	25,191
Modeling Individual Differences in PTSD	64.RD	544-D35036	12,537
Modeling Individual Differences in PTSD	64.RD	544-D35039	7,360
VAW Merit Award - Mitzi Nagarkatti IPA for Yin Zhong	64.RD	VA HOSPITAL	43,732
Decreased CNS Leptin Activity in Comorbid Obesity and Depression	64.RD	VETERANS ADM	17,634
IPA for Xiaoming Yang	64.RD	WJB DORN VA	29,858
Identification and location of specific variables/indicators within the VINCI data systems IPA-WJB Dorn VA	64.RD	WJB DORN VA MED	1,372
Specific Variables/Indicators within the VINCI data Systems (IPA Agreement)	64.RD	WJB DORN VA MED	20,585
IPA for Dr. Claudia Grillo	64.RD	DORN VA HOSPITAL	36,851
VA/IPA - Kia Zellars	64.RD	WJB DORN VA MED	18,727
VA/PA/Zhong	64.RD	WJB DORN VA MED	(793)
VA/IPA - Heather Doviak	64.RD	WJB DORN VA MED	27,591
IPA Dr. Grillo: Decreased CNS Leptin Activity in Co-morbid Depression and Obesity	64.RD	WJB DORN VA MED	51,461
VA/IPA: Ashley Logan	64.RD	DORN VA HOSPITAL	27,398
<b>Total U.S. Department of Veterans Affairs</b>			<b>395,425</b>
<b>Environmental Protection Agency</b>			
Passed through programs from:			
South Carolina Research Foundation			
Targeting High-Content Imaging Assessments of Aberrant G-Protein-Coupled Estrogen Receptor (GPER) Activation During Vertebrate Embryogenesis	66.RD	83516901	242,716
<b>Total Environmental Protection Agency</b>			<b>242,716</b>
<b>U.S. Nuclear Regulatory Commission</b>			
Passed through programs from:			
South Carolina Research Foundation			
University of South Carolina Next Generation Nuclear Engineer Fellowship Program	77.RD	NRC-38-10-956	74,914
University of South Carolina Nuclear Engineering Faculty Excellence Program	77.RD	NRCHQ11G380009	96,900
A Course on Risk Analysis with Application to the Current and New Nuclear Plants and Fuel Cycle Facilities	77.RD	NRCHQ-11G380058	22,602
<b>Total U.S. Nuclear Regulatory Commission</b>			<b>194,416</b>

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Energy</b>			
Transport Behavior of Superconductors at High Dissipative Currents	81.RD	DEFG0299ER45763	123,728
South Carolina Institute of Archaeology and Anthropology Cooperative Agreement DE-EM0002875 Savannah River Archaeological Research Program	81.RD	DE-EM0002875	713,255
An Experimental and Modeling Study of Nox-CO Formation in High Hydrogen Content (HHC) Fuel Combustion in Gas Turbine Applications	81.RD	DE-FE0012005	165,699
U3Si2 Fabrication and Testing for Implementation into the BISON Fuel Performance Code	81.RD	DE-NE-0000725	226,823
Structural Health Monitoring of Nuclear Spent Fuel Storage Facilities	81.RD	DE-NE-0000726	142,308
Energy Frontier Physics: Experimental Particle Physics research to be done using the ATLAS detector at CERN	81.RD	DE-SC0010071	9,708
Experimental Neutrino Physics	81.RD	DE-SC0010073	254,018
Neutrino and Flavor Physics at the Intensity Frontier (Neutrino Task)	81.RD	DE-SC0010073	81,268
Neutrino and Flavor Physics at the Intensity Frontier	81.RD	DE-SC00100073	4,993
Hadronic Parity Violation in Few-nucleon Systems	81.RD	DE-SC0010300	169,071
Joint Faculty Appointment of Dr. Schindler	81.RD	4000104656	5,946
Electron-Positron Physics with Belle II	81.RD	DE-SC0012047	60,303
University-Industry Partnership to Develop Reliable, Robust, and Active SOFC Cells and Stacks	81.RD	DE-FE0023475	243,161
Intermediate Temperature Nano-Structured Ceramic Hollow Fiber Membranes for Oxygen Separation	81.RD	DE-FE0024059	15,443
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	15,627
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	91,370
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	7,733
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	14,363
Experimental Determination and Modeling of Used Drying by Vacuum and Gas Circulation for Dry Cask Storage	81.RD	DE-NE0008273	52,662
Research in Neutronless Double-Beta Decay	81.RD	DE-SC0012612	70,742
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	73,347
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	76,510
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System	81.RD	DE-AR0000492	692,978
A Novel Intermediate - Temperature Bifunctional Ceramic Fuel Cell Energy System (TT&O)	81.RD	DE-AR0000492	36,601
<b>Passed through programs from:</b>			
<b>Battelle Memorial Institute</b>			
Testing and Evaluation on Custom Electronics Boards for the Belle II Experiment (Response to PNNL PR-275843)	81.RD	238236	46,228
<b>Clemson University</b>			
Radionuclide Waste Disposal: Development of Multi-Scale Experimental and Modeling Capabilities	81.RD	1750-2192020199	173,452
Radionuclide Waste Disposal: Development of Multi-Scale Experimental and Modeling Capabilities	81.RD	1750-2192020199	56,837
A New Paradigm for Understanding Multi-phase Ceramic Waste Form Performance	81.RD	1739219-2010311	34,853
<b>Sonata, LLC</b>			
Novel Surface-Functionalized Powders for Solid Oxide Fuel Cells	81.RD	DOE-SC0016116	8,322
<b>South Carolina Research Foundation</b>			
Novel Methods of Tritium Sequestration: High Temperature Gettering and Separation Membrane Materials			
Discovery for Nuclear Energy Systems	81.RD	00102125	24,758
High Hydrogen content Epitaxial Graphene Hydride on SiC & High Cross-Section Cladding Coatings for Fast Neutron Detection	81.RD	00126542	112,857
Area of Interest B2: Bench-Scale Development and Testing of Rapid PSA for CO2 Capture	81.RD	4802004289	158,857
Enriched Boron-Doped Amorphous Selenium Based Position-Sensitive Solid- State Thermal Neutron Detector for MPACT Applications	81.RD	120563	147,459
Accurate Holdup Calculations with Predictive Modeling & Data Integration	81.RD	2012-1588-02	1,993
ODS Steel Consolidation by Friction Extrusion: Phase 2	81.RD	179174	10,781
DIRC - based PIC for the EIC Central Detector	81.RD	218624	10,763
Development of Ultra Low Platinum Alloy Cathode Catalyst for PEM Fuel Cells	81.RD	DE-EE0000460	482,037
Topic 4A Transport Studies in Modeling in PEM Cell Stack - subcontract to Giner Electrochemical Systems, LLC	81.RD	DE-EE0000471	-
University of South Carolina Aiken Biofuels Laboratory in Aiken, SC	81.RD	DE-EE0003152	8,076
High Performance and Stable Pr2NiO4 as the Cathode for Solid Oxide Fuel Cells	81.RD	DE-FE0000303	1,885
Geologic Characterization of the South Georgia Rift Basin for Source Proximal CO2 Storage	81.RD	DE-FE0001965	208,245
Geologic Characterization of the South Georgia Rift Basin for Source Proximal CO2 Storage	81.RD	DE-FE0001965	28,608
Predicting Ice Sheet and Climate Evolution at Extreme Scales (PISCEES)	81.RD	DE-SC0008087	120,108
Theoretical Investigation of Heterogeneous Catalysis at the Solid Interface for the Conversion of Lignocellulosic Biomass Model Molecules	81.RD	DE-SC0007167	150,635
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems			
Administrative Core (Parent Account)	81.RD	DE-SC0001061	802,173
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.RD	DE-SC0001061	244,988
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.RD	DE-SC0001061	8,704
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.RD	DE-SC0001061	2,087
Science Based Nano-Structure Design and Synthesis of Heterogeneous Functional Materials for Energy Systems	81.RD	DE-SC0001061	26,542
Fundamental Neutron Physics: Theory and Analysis	81.RD	DE-SC0001473	74,780
Structure-Composition-Property Relationships of Complex Bismuth Oxide Based Photocatalysts	81.RD	DE-SC0001478	6,469
A Synthetic Strategy to Prepare New Complex Uranium and Thorium Containing Oxides: Predictive Solid State Synthesis of New Composition Using Radius Ratio Rules and Materials Discovery based on Crystal Growth from High Temperature Solutions	81.RD	DE-SC0008664	149,244
Assembly and Testing of the Forward Time-of-Flight Panel-1b For Clas12	81.RD	JSA-11-C1237	(494)
Topic 3C-Effect of System and Air Contaminants on PEMFC Performance and Durability-Subcontractor to NREL	81.RD	ZGB-0-99180-01	(9,683)
FNAL-USC-LBNE-Aug 14-v4	81.RD	619430	19,724
FNAL-USC-LBNE-ND-Aug14-vd	81.RD	619459	56,585
Directed Synthesis of New Uranium Containing Materials: The use of Functional Building Blocks as Synthetic Tools			
Coupled with Targeted Crystal Growth Models to Create New Complex U(VI), U(IV), and U(III_) Containing Materials	81.RD	RISK	16,389
Carolina Blue Skies and Green Jobs	81.RD	TJCOG-CBS-036	(7,600)

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Energy, continued</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Universities Research and Education Foundation</b>			
Expert Assistance in the Study of Historical Earthquakes Affecting the SRS	81.RD	B139001	3,628
Ceramic Membrane Characterization	81.RD	B139006	48,671
USCA R&D SERS for Microparticles	81.RD	B139018	5,476
Acoustic Emission Sensor Systems ISD Sensor Network Demonstration	81.RD	0000157239	72,734
Polymers for Pu Anion Exchange Microchannel Array	81.RD	B139014	34,332
Robust and Corrosion Resistant Coatings and Numerical Solutions for Solar Thermal Systems	81.RD	000165489	25,000
Robust and Corrosion Resistant Coatings and Numerical Solutions for Solar Thermal Systems	81.RD	000165489	1,220
Infrared Spectroscopic Study of Glycolic Acid in Aqueous Solutions Relevant to Nuclear Waste Treatment	81.RD	B139016	29,597
Development of A Graduate Course on Nuclear Safeguards	81.RD	B139008	24,126
<b>The Foundation for Earth Science</b>			
Evaluating the ESIP Ontologies for Mapping and Reconciliation	81.RD	FD on Earth Science	2,557
<b>The Pennsylvania State University</b>			
Multisensory Robotic System for Used Nuclear Fuel Dry Storage Casks	81.RD	5107USCSDOE826	39,689
<b>Trustees of the University of Pennsylvania</b>			
Cost-effective Manufacturing and Morphological Stabilization of Nanostructured Cathodes for Commercial SOFCs	81.RD	565289	49,952
<b>GAS Technology Institute</b>			
Nano-Valved Adsorbents for CH4 Storage	81.RD	DE-AR0000247	77,042
Producing > 95% Purity O2 from Air Using Single-stage Membrane Contractor with Oxygen Carry Based Solution	81.RD	S520	79,708
<b>Gen4 Energy, Inc</b>			
USC-G4M LBE Natural Circulation Experimental Facility	81.RD	DE-FOA-0000818	219,689
<b>General Atomics</b>			
Characterization of SIC Cladding	81.RD	PO#4500055900	65,003
<b>Jefferson Science Associates, LLC</b>			
JSA/Jefferson Lab Graduate Fellowship Award 2013/2014	81.RD	JCA LLC/DOE	(1)
JSA/Jefferson Lab Graduate Fellowship Award 2014/2015	81.RD	JEFFERSON SCI A	12,000
<b>Morris College</b>			
Morris College - USC Mentoring Program	81.RD	MORRIS COLLEGE	18,286
<b>University of California, Berkeley</b>			
Developing Ultra-small Scale Mechanical Testing Methods and Microstructural investigation Procedures for Irradiated Materials, FC-2.1: Characterization and Instrumentation	81.RD	8385	93,074
<b>University of Central Florida</b>			
GEARED - FEEDER: Foundations for Engineering Education for Distributed Energy Resources	81.RD	DE-EE0006340	26,506
<b>University of Georgia</b>			
DOE-NNSA H-02 Wetland Biogeochemistry	81.RD	RR2674314942146	5,000
<b>University of Michigan</b>			
High Fidelity Ion Beam Simulation of High Dose Neutron Irradiation	81.RD	3002964978	65,817
<b>University of Tennessee</b>			
Neutron Scattering Research Network for EPSCoR States	81.RD	A09-0361-S004	26,958
<b>Sandia National Laboratories</b>			
On the Failure of PMDI Foams Subjected to Shock Landing	81.RD	1483523	20,000
<b>UT-Battelle, LLC</b>			
Majorana Demonstrator Program	81.RD	4000129973	(1,795)
Thermodynamic Modeling and Compatibility of Ceramic Fuels with Enhanced Accident Tolerance	81.RD	4000137337	28,516
Database Development and Modeling of Fuel-Fission Products in High Burnup Systems	81.RD	4000137480	19,096
<b>Los Alamos National Laboratory</b>			
Fabrication and Characterization of Semi-insulating Silicon Carbide Sensors for Low-energy X-ray Detection	81.RD	143479	(30)
Facility Modeling for Separations and Safeguards	81.RD	270137	283,759
<b>Savannah River Nuclear Solutions</b>			
Marketing Assessment of SRNS Intellectual Property, Project I	81.RD	AC902555	10,138
<b>Total U.S. Department of Energy</b>			<b>7,910,067</b>
<b>U.S. Department of Education</b>			
Developing an Online Tutor for Accelerating High School Vocabulary Learning	84.RD	R305A130467	368,853
Application for Grants Under the Centers for International Business (CIBE Program (CFDA Number:84.220A) Funding Opportunity Number: ED Grants-060314-001	84.RD	P220A140021	134,898
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
Center for Adolescent Research in Schools (CARS)	84.RD	541821-78004	17,432
FY 2010 Application for New Awards under the Centers for International Business Education (CIBE)	84.RD	P220A100027	82,076
Validation of the Behavioral and Emotional Screening System for Early Identification and Intervention for Emotional and Behavioral Problems in Preschool	84.RD	R324A100104	246,157
Mediators of Social Impairment among Children with ADHD	84.RD	R324A120003	405,169
<b>South Carolina Department of Education</b>			
Second Annual SC School Behavioral Health Conference	84.RD	H63010100915	5,000
STEP, Science Teaching Enhancement Project 2013-14	84.RD	H63010008213	3,585
STEP, Science Teaching Enhancement Project 2013-14	84.RD	H63010008213	85,271
<b>Georgia Institute of Technology</b>			
Telerobotics Research	84.RD	RE220-GI	17,212
<b>Lexington-Richland School District Five</b>			
Evaluation of Lexington-Richland School District 5's Project ACCESS	84.RD	156809/164486	116,796
Evaluation of Lexington-Richland School District 5's Project ACCESS	84.RD	156809/164486	44,298

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Education, continued</b>			
<b>Passed through programs from:</b>			
<b>Richland School District Two</b>			
Evaluation of the Carolina Consortium for Enterprise Learning Project	84.RD	15-008A REVISED	51,767
Evaluation of Richland School District Two's Magnet Project: Full STEAM Ahead	84.RD	140096091500580	85,477
Evaluation of Richland School District Two's Magnet Project: Full STEAM Ahead	84.RD	140096091500580	45,270
Evaluation of Richland School District Two's Magnet Project: Full STEAM Ahead	84.RD	140096091500580	48,415
Evaluation of Richland School District Two's International Baccalaureate Continuum	84.RD	PO#13004483	96,089
<b>Total U.S. Department of Education</b>			<b>1,853,765</b>
<b>U.S. Department of Health and Human Services</b>			
Navegantes para Salud: Improving Healthcare Access and Utilization among Hispanic Women and Children	93.RD	1H0330895A	11,610
Social, Genetic Determinants of Blood Pressure in Underserved African Americans	93.RD	FAG039930B	627
Dietary Inflammatory Index and Risk of Cancer in Women	93.RD	FCA177255A	(461)
Profiles and Predictors of Pragmatic Language Impairments in the FMR1 Premutation	93.RD	FDC013934A	65,918
Progress Report: Predicting Autism through Behavioral and Biomarkers of Attention in Infants	93.RD	FMH095318B	3,607
Cannabidiol and Immunosuppression: Mechanism of Induction and Role of MDSCs	93.RD	K01DA034892	134,812
Improving Quality of Life for African Americans with Lupus	93.RD	KAR060026B	109,752
Regulation of Macrophages in Obesity-Enhanced Colon Cancer: Benefits of Quercetin	93.RD	KAT007824A	172,722
Expanding Mentoring Capacity in High-Risk Populations	93.RD	KCA136975B	43,366
Control of Cocaine Seeking by DJ-dependent Modulation of NMDA Signaling	93.RD	KDA031747B	125,130
Behavioral Health Care in Army Warrior Transition Units	93.RD	KDA037412A	138,767
Reversal of Diabetes by PDX1-VP16 and Pax4-Induced Islet Regeneration	93.RD	KDK080884B	28,387
Regulation of Mediator Release from Human Mast Cells by Extracellular Adenosine	93.RD	KHL092581B	4,304
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	35,159
Center for Colon Cancer Research - Research Pilot Projects	93.RD	PGM103336A	19,982
Center for Colon Cancer Research - Biotechnology Core	93.RD	PGM103336A	120,102
Center for Colon Cancer Research - Biometry Core	93.RD	PGM103336A	14,889
Center for Colon Cancer Research - Tissue Bio repository Core	93.RD	PGM103336A	86,318
Center for Colon Cancer Research - Mouse Experimental Core	93.RD	PGM103336A	8,212
Center for Colon Cancer Research: Role of CDK8 in Colon Cancer Metastasis (Pilot Project)	93.RD	PGM103336A	1,034
Center for Colon Cancer Research: Targeting Colon Cancer via Oral Administration of Chemo preventive miRNA (Pilot Project)	93.RD	PGM103336A	249
Center for Colon Cancer Research (Pilot Project)	93.RD	PGM103336A	6,267
Center for Colon Cancer Research (Pilot Project)	93.RD	PGM103336A	24,988
Center for Colon Cancer Research - Administrative Core	93.RD	PGM103336A	244,739
Center for Colon Cancer Research - Biometry Core	93.RD	PGM103336A	35,802
Identification of miRNA-Regulated Networks with Paired shRNA libraries (Pilot Project INBRE year 4)	93.RD	PGM103336A	4,500
Center for Colon Cancer Research - Mouse Experimental Core	93.RD	PGM103336A	132,916
Center for Colon Cancer Research (Pilot Project)	93.RD	PGM103336A	127,496
Targeting Colon Cancer Using miRNAs (Pilot Project)	93.RD	PGM103336A	21,531
Preventing Resistance to Targeted Therapy in Colorectal Cancer (Pilot Project)	93.RD	PGM103336A	28,299
Stromal Cell Recruitment to the Tumor Microenvironment (Pilot Project)	93.RD	PGM103336A	25,195
A Nano-Cocktail Delivery System For Colon Cancer Therapy (Pilot Project)	93.RD	PGM103336A	27,663
Linking Macrophages to Gut Microbiota in Obesity-Enhanced Colon Cancer (Pilot Project)	93.RD	PGM103336A	29,000
Center For Colon Cancer Research: Mechanical Landscaping of the Colon by Gut Microflora (Pilot Project)	93.RD	PGM103336A	32,690
COBRE Pilot Project: The Role of AMPK in Adipose Tissue Inflammation and Metabolism (Year 3)	93.RD	PGM103641B	116,952
COBRE - Center for Dietary Supplements and Inflammation	93.RD	PGM103641B	14,167
COBRE - Center for Dietary Supplements and Inflammation (Project 3 - Year 2)	93.RD	PGM103641B	662
COBRE - Center for Dietary Supplement and Inflammation (Microscopy & Imaging Core - Year 2)	93.RD	PGM103641B	1,765
Center for Dietary Supplements and Inflammation (Admin Core - Year 2)	93.RD	PGM103641B	(6,689)
Center for Dietary Supplements and Inflammation (Immune Monitoring Core - Year 2)	93.RD	PGM103641B	(1,984)
COBRE - Center for Dietary Supplements and Inflammation (Flow Cytometry - Year 2)	93.RD	PGM103641B	(3,460)
COBRE - (Center for Dietary Supplements and Inflammation) Pilot Project: Materials for Engineering Thermogenic Adipose Tissue	93.RD	PGM103641B	102,750
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (Admin Core)	93.RD	PMD001770C	167,722
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (CEOC Core)	93.RD	PMD001770C	196,936
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (Research Education Training Core)	93.RD	PMD001770C	255,338
Coordinating Center of Excellence for the Social Promotion of Health Equity through Research, Education and Community			
Engagement (CCE-SPHERE) Administrative Supplement: Study to Assess Beliefs and Evaluate Risks (SABER)	93.RD	PMD001770C	27,751
Coordinating Center of Excellence in the Social Promotion of Health Equity Research (Project 2)	93.RD	PMD001770C	46,672
Technical Assistance Support for Coordination of Data Reporting and Data Analytics for the SC Medicaid Program	93.RD	PMD001770C	63,306
Effects of NASA's Stem Program on Middle School Students' Academic Performance	93.RD	PMD001770C	206,111
Peromyscus Laboratory Models for Biomedical Research (Supplement)	93.RD	PRR014279E	116,969
South Carolina IDeA Network of Biomedical Research Excellence (SC INBRE) (Year 4 of 5)	93.RD	PRR016461E	4,204
South Carolina IDeA Network of Biomedical Research Excellence (SC INBRE) (Year 5 of 5)	93.RD	PRR016461E	222,115
South Carolina IDeA Network of Biomedical Research Excellence (SC INBRE) (Year 4 of 5)	93.RD	PRR016461E	14,192
South Carolina IDeA Network of Biomedical Research Excellence (SC INBRE) (Year 4 of 5)	93.RD	PRR016461E	(1,306)
South Carolina IDeA Network of Biomedical Research Excellence (SC INBRE) Bioinformatics (Year 4 of 5)	93.RD	PRR016461E	8,824
South Carolina IDeA Network of Biomedical Research Excellence (SC INBRE) (Year 4 of 5)	93.RD	PRR016461E	360
South Carolina IDeA Network of Biomedical Research Excellence (SC INBRE) PACD (Year 4 of 5)	93.RD	PRR016461E	40,728
South Carolina IDeA Networks of Biomedical Research Excellence (INBRE) PA CD (Year 5 of 5)	93.RD	PRR016461E	80,298
South Carolina IDeA Networks of Biomedical Research Excellence (INBRE)BMEN (Year 5 of 5)	93.RD	PRR016461E	80,786
South Carolina IDeA Networks of Biomedical Research Excellence (IBRE)(Year 5 of 5)	93.RD	PRR016461E	24,660
South Carolina IDeA Networks of Biomedical Research Excellence (IBRE)(Year 5 of 5)	93.RD	PRR016461E	45,146
South Carolina IDeA Networks of Biomedical Research Excellence (IBRE)(Year 5 of 5)	93.RD	PRR016461E	23,177

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
Energy Expenditure Responses to Acute and Chronic Exercise in Older Women	93.RD	RAG031297C	137,371
Characterization and Genetics Analysis of Aging in Daphnia	93.RD	RAG037969B	280,820
Mast Cell S1P Receptor2 in the Initiation and Progression of Chronic Inflammation - Progress Report (RPPR)	93.RD	RAI095494B	349,598
Living Delivery Systems to Promote Vascular Development in 3D Scaffolds	93.RD	RAR062816B	23,803
Microengineered Osteoinductive and Vasculogenic Scaffold	93.RD	RAR063745A	366,473
SsnB, a Chinese Herb-Derived Selective TLR Antagonist	93.RD	RAT006767B	96,566
Role of Natural Indoles in Experimental Autoimmune Encephalomyelitis	93.RD	RAT006888B	365,223
Challenging Horizons Program at H.E. Corley Elementary and Seven Oaks Elementary 2012-2013	93.RD	RCA151304B	242,336
Stromal Modulation of Response to Thymidylate Synthase Inhibitors	93.RD	RCA154731B	25,713
Stromal Modulation of Response to Thymidylate Synthase Inhibitors	93.RD	RCA154731B	227,520
Stromal Modulation of Response to Thymidylate Synthase Inhibitors	93.RD	RCA154731B	622
Development of an Innovative Physical Activity Self-report Instrument for Youth - 1 Progress Report	93.RD	RCA158577B	71,603
Innovative Spatial Survival Models with Geographically Varying Coefficients	93.RD	RCA165110B	30,938
Southern Oncology Network on Adverse Reactions (SONAR) - Focus on Tyrosine Kinase Inhibitors (TKIs)	93.RD	RCA165609B	376,432
Minority Supplement to Southern Network on Adverse Reactions: Focus on Tyrosine Kinase Inhibitors	93.RD	RCA165609B	35,533
Macrophages in High Fat Diet Enhanced Colorectal Cancer: Regulation by miRNA-155	93.RD	RCA167058A	73,590
Diabetes Prevention Program Outcomes Study (DPPOS)	93.RD	RCA167067B	560,429
LYP After-School Program for Irmo High School	93.RD	RCA169998A	156,719
Children's Dietary Recalls: Prompts , Retention Interval, and Accuracy	93.RD	RCA171326A	38,897
Addressing Acquiescence: Reducing Survey Error To Promote Latino Health	93.RD	RCA172283A	467,616
Regulation of Macrophages by miRNA-155 in Colon Cancer: Benefits of Quercetin	93.RD	RCA175636A	121,232
Innovative Spatio-temporal Survival Models Allowing Crossing Survival	93.RD	RCA176739A	72,772
HER2 and the Link Between Inflammation and Cancer Stem Cells	93.RD	RCA178386A	359,120
Evaluation of Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336A	414,145
Evaluation of Food hub's impact on food access, diet and weight in a food desert	93.RD	RCA180336A	9,514
Evaluation of Food Hub's Impact on Food Access, Diet and Weight in a Food Desert	93.RD	RCA180336A	57,355
Administrative Supplement for Evaluating a Food Hub	93.RD	RCA180336A	66,122
HIV/Cocaine Neurotoxicity in Females	93.RD	RDA013137E	398,542
Mediation in Survival and Onset-to-Growth Models Applied to Youth Substance Onset	93.RD	RDA030349B	82,024
Concurrent Treatment of Substance Abuse and Child Maltreatment	93.RD	RDA031780B	633,229
Veterans Health Administration VEGA Training and Evaluation	93.RD	RDA035714A	438,451
A Unified Neuroanatomical Model of Speech Production and Perception: Implications	93.RD	RDC009571B	53,904
Sensory-Motor Systems and Conceptual Processing in the Healthy and Impaired Brain	93.RD	RDC010783B	263,786
Maximizing Speech Recognition Under Adverse Listening Conditions	93.RD	RDC012506B	114,014
Word Learning in Reading and Language Impairment Subgroups	93.RD	RDC013399A	173,990
Meeting Executive Order Environmental and Energy Management Goals through Navy EMS Integration and BUMED EMS Applications	93.RD	RDK084284B	266,052
The Role of COX-2 in Skeletal Development and Osteoarthritis	93.RD	RES016757B	22,357
Estrogen-T cell Interactions	93.RD	RES019313B	190,575
Free Radical Mechanisms in Environmental Hepatotoxicity	93.RD	RES019875C	199,924
South Carolina Post-Baccalaureate Research Program	93.RD	RGM066526C	198,168
University of South Carolina Initiative for Maximizing Student Development	93.RD	RGM076277C	239,714
Glutathione and Redox Control in the Mitochondrial Intermembrane Space	93.RD	RGM086619B	268,853
Mechanistic Studies of Iron Regulation in Yeast	93.RD	RGM100069B	307,632
The Development of Sustained Attention in Infants	93.RD	RHD018942H	557,714
Maternal HIV: Developmental Neurotoxicity	93.RD	RHD043680C	389,549
Risk in Context: New Methodology for Modeling Risk by Context Interactions	93.RD	RHD054736C	281,907
Fathering Practices and Positive Development among African American Adolescents	93.RD	RHD068688B	41,797
Role of STARD6 in Ovarian Steroidogenesis	93.RD	RHD070126B	43,340
Families Improving Together (FIT) for Weight Loss	93.RD	RHD072153C	18,489
Families Improving Together (FIT) for Weight Loss	93.RD	RHD072153C	431,594
Detection of S-(2-succino)cysteine (2SC) as a Biomarker of Mitochondrial Disease	93.RD	RHD077187A	62,009
Electrophysiology of Neonatal and Adult Heart	93.RD	RHL016152I	154,149
A Social Ecological Based Smoking Cessation Intervention in Public Housing	93.RD	RHL090951B	164,121
Physical Activity During the Transition from Elementary School to High School	93.RD	RHL091002C	657,451
Physical Activity During the Transition from Elementary School to High School - Diversity Supplement for Lauren Reid	93.RD	RHL091002C	31,231
The Involvement of IL-12 and IL-27 in Immunity to Mycobacterium Tuberculosis	93.RD	RHL093300C	6,539
Chronic Moderate Sleep Restriction in Older Long and Older Average Sleepers - Year 2 progress report and Year 3 continuation	93.RD	RHL095799B	49,312
Chronic Moderate Sleep Restriction in Older Long and Older Average Sleepers - Diversity Supplement for Shelli James	93.RD	RHL095799B	1
Intracellular Sorting of Connexin 43 by the Ubiquitin Ligase Wwp1	93.RD	RHL104030B	8,086
Intracellular Sorting of Connexin 43 by the Ubiquitin Ligase Wwp1	93.RD	RHL104030B	289,265
Suppression of Cardiac Calcium Channels by Acute Hypoxia	93.RD	RHL107600B	353,338
Localized Targeting of Matrix Proteases Following Myocardial Infarction	93.RD	RHL111090B	451,147
Localized Targeting of Matrix Proteases Following Myocardial Infarction (Diversity Supplement: Eva Juarez-Perez)	93.RD	RHL111090B	42,435
Physical Activity and Nutrition Intervention in Afterschool Programs	93.RD	RHL112787B	645,305
Sparstolonin B as an Anti-Atherogenic Agent	93.RD	RHL116626A	488,942
Strengthening the Quality of School Mental Health	93.RD	RMH081941B	114,949
Emergence and Stability of Autism in Fragile X Syndrome	93.RD	RMH090194B	421,129
Immunopathological Basis of PTSD	93.RD	RMH094755B	283,199
Online vs Staff Delivery: Child & Family Outcomes, Cost Analysis and Satisfaction	93.RD	RMH097699A	798,914
Quality, Economic Outcomes and Sustainability of Tele psychiatry (QUEST)(Continuation Application RPPR attached	93.RD	RMH100002B	473,554
Technology Integration and Mental Health Disparities (TIMED)	93.RD	RMH100002B	66,449
Examining the Role of the Lissencephaly Protein, Lis 1, in Dyne in-based Transport	93.RD	RNS056314C	311,644
Subunit Dependent Properties of Kainate Receptors	93.RD	RNS065869B	11,251



**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
South Carolina Cancer Disparities Community Network - II (YR4) Admin Core	93.RD	UCA153461B	46,979
South Carolina Cancer Disparities Community Network - II (YR4) Research Core	93.RD	UCA153461B	33,578
South Carolina Cancer Disparities Community Network - II (YR4) Community Outreach Core	93.RD	UCA153461B	38,197
South Carolina Cancer Disparities Community Network - II (YR4) Training Core	93.RD	UCA153461B	27,522
South Carolina Cancer Disparities Community Network - II (YR5) Admin Core	93.RD	UCA153461B	88,648
South Carolina Cancer Disparities Community Network - II (YR5) Research Core	93.RD	UCA153461B	218,959
South Carolina Cancer Disparities Community Network - II (YR5) Outreach Core	93.RD	UCA153461B	110,787
South Carolina Cancer Disparities Community Network - II (YR5) Training Core	93.RD	UCA153461B	34,115
Administrative Supplements to Expand NCI-Supported Community Outreach Capacity Through Community Health Educators (CHES) of the National Outreach Network (NON) Parent Grant: South Disparities Community Newark - II	93.RD	UCA153461B	24,213
SCCDCN II: Research Supplement to Promote Diversity in Health Related Research (Deeonna Farr)	93.RD	UCA153461B	18,550
Administrative Supplement to Expand NCI-Supported Community Outreach Capacity Through Community Health Educators (CHE's) of the National Outreach Network (NON)	93.RD	UCA153461B	28,906
SCCDCN II: Research Supplement to Promote Diversity in Health Related Research (Deeonna Farr)	93.RD	UCA153461B	42,260
Administrative Supplement for Strengthening, Research, Training, and Outreach Capacity of the Geographical Management of Cancer Health Disparities Programs (GMAP)	93.RD	UCA153461B	148,002
Transcranial Direct Current Stimulation to Treat Aphasia: Phase II Trial	93.RD	UDC011739B	90,715
Transcranial Direct Current Stimulation to Treat Aphasia: Phase II Trial	93.RD	UDC011739B	(1)
Transcranial Direct Current Stimulation to Treat Aphasia: Phase II Trial (Progress Report Summary Yr2)	93.RD	UDC011739B	884,182
South Carolina Study for Adolescents and Young Adults with Rare Conditions	93.RD	UDD000776A	13,896
South Carolina Study for Adolescents and Young Adults with Rare Conditions	93.RD	UDD000776A	137,542
Marginal Structural Models for Periodontal Treatments effects on A1C in Diabetes	93.RD	1R013DE02278501	25,297
IPA Between NICHD and Alexander McLain of the University of South Carolina	93.RD	3246387	26,925
Regulation of Macrophages in Obesity-Enhanced Breast Cancer	93.RD	FCA183458A	31,151
COBRE Pilot: Resveratrol Modulation of Environment-Linked Nonalcoholic Steathepatitis (Year 3)	93.RD	PGM103641B	88,845
COBRE Pilot: Center for Dietary Supplements and Inflammation (Programming Stem Cell Fate in an Inflammatory Microenvironment - Year 3)	93.RD	PGM103641B	84,519
Center for Dietary Supplements and Inflammation: Pilot Project - Prevention/Treatment of H. Pylori-Mediated Gastritis/Cancer by Indole-Carbinol	93.RD	PGM103641B	102,750
COBRE - Center for Dietary Supplements and Inflammation (Project 2 - Year 3)	93.RD	PGM103641B	179,588
COBRE - Center for Dietary Supplements and Inflammation (Project 3 - Year 3)	93.RD	PGM103641B	197,035
COBRE - Center for Dietary Supplements and Inflammation (Microscopy & Imaging Core - Year 3)	93.RD	PGM103641B	135,097
COBRE - Center for Dietary Supplements and Inflammation (Admin Core - Year 3)	93.RD	PGM103641B	331,818
COBRE - Center for Dietary Supplements and Inflammation (Immune Monitoring Core - Year 3)	93.RD	PGM103641B	197,061
COBRE - Center for Dietary Supplements and Inflammation (Flow Cytometry - Year 3)	93.RD	PGM103641B	133,153
COBRE - Center for Dietary Supplements and Inflammation (Project 4 - Year 3)	93.RD	PGM103641B	196,441
COBRE - Center for Dietary Supplements and Inflammation (Project 1_ Year 3)	93.RD	PGM103641B	181,138
COBRE-Center for Dietary Supplements and Inflammation (Project 1 - Year 4)	93.RD	RISK	13,768
COBRE-Center for Dietary Supplements and Inflammation (Admin CoreYear 4)	93.RD	RISK	27,847
COBRE-Center for Dietary Supplements and Inflammation (Immune Monitoring Core - Year 4)	93.RD	RISK	11,307
COBRE-Center for Dietary Supplements and Inflammation (Clow Cytometry - Year 4)	93.RD	RISK	7,032
COBRE-Center for Dietary Supplements and Inflammation (Project 4 - Year 4)	93.RD	RISK	18,305
COBRE-Center for Dietary Supplements and Inflammation: Pilot Project - Prevention/Treatment of H. Pylori-Mediated Gastritis/Cancer by Indole-3-Carbinol (Year 4)	93.RD	RISK	7,367
COBRE: Pilot Project: Targeted Delivery of Resveratrol-Loaded Polymer Nanoparticles to Activated T Cell	93.RD	PGM103641B	19,526
COBRE-Center for Dietary Supplements and Inflammation (Project 2 - Year 4)	93.RD	RISK	10,460
South Carolina IDeA Networks of Biomedical Research Excellence (INBRE)Admin Core (Year 5 of 5)	93.RD	PRR016461E	339,132
South Carolina IDeA Networks of Biomedical Research Excellence (INBRE) Bioinformatics (Year 5 of 5)	93.RD	PRR016461E	98,595
South Carolina IDeA Networks of Biomedical Research Excellence (INBRE) Year 5 of 5 (Pilot Project-targeting homologous recombination DNA repair in ovarian cancer.	93.RD	PRR016461E	10,000
Defining the Mechanical Strain-modulated Transcriptome of Elastogenesis in a Biofabricated Model System (Pilot Project INBRE year 4)	93.RD	PRR016461E	8
Cachexia in ApcMin/+mice: The role of IL-6	93.RD	RCA121249B	257,052
Pharmacogenomics Analysis of Nicotine Dependence	93.RD	RDA032681B	260,162
Developmental Toxicity Of Organophosphate-Based Flame Retardants	93.RD	RESO22797A	117,497
Policy to Practice: Statewide Rollout of UMCA Childhood Obesity Standards	93.RD	RHD079422A	399,164
Children's Dietary Recalls: Prompts , Retention Interval, and Accuracy	93.RD	RHL103737B	522,082
Children's Dietary Recalls: Prompts , Retention Interval, and Accuracy	93.RD	RHL103737B	7,336
A Promotora-mediated, Family-based Intervention to Prevent Obesity in Latino Preschool Children	93.RD	RHL119395A	2,244
DIDACTIC: Dissemination and Implementation of a Diet and Activity Community Trial In Churches	93.RD	RHL122285A	544,126
Sexual Orientation and the Risk for Unintended Pregnancy Among U.S. Women of Reproductive Age	93.RD	R40MC28314	29,792
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (CENTER CORE)	93.RD	U48DP005000	222,864
Health Promotion and Disease Prevention Research Centers: Faith, Activity, and Nutrition: Dissemination in Underserved Communities (APPLIED RESEARCH PROJECT)	93.RD	U48DP005000	231,194
SIP 14-011: Multi-Level, Community-Clinical Cancer Prevention and Control Interventions	93.RD	U48DP005000	182,719
SIP 14-002: Implementing Road Map Actions through a new Healthy Brain Initiative Network	93.RD	U48DP005000	49,622
Rural Health Research Center Cooperative Agreement 2014-2015	93.RD	U1CRH03711CO	528,079
Speech Entrainment Treatment for Broca's Aphasia	93.RD	RDC014170A	9,110
Early Language and Literacy Acquisition in Children with Hearing Loss	93.RD	RDC014535A	3,295
Processing of Repair Disfluencies in Spoken Language	93.RD	RDC013545A	35,224

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
CAM Center for Epigenetic Regulation of Inflammation (Project 2)	93.RD	PAT003961B	130,481
CAM Center for Epigenetic Regulation of Inflammation (Admin. Core)	93.RD	PAT003961B	82,424
CAM Center for Epigenetic Regulation of Inflammation (Analytical Core)	93.RD	PAT003961B	63,463
CAM Center for Epigenetic Regulation of Inflammation (Project 1)	93.RD	PAT003961B	87,226
CAM Center for Epigenetic Regulation of Inflammation (Project 3)	93.RD	PAT003961B	147,732
CAM Center for Epigenetic Regulation of Inflammation (Project 4)	93.RD	PAT003961B	150,623
CAM Center for Epigenetic Regulation of Inflammation (Project 2)	93.RD	PAT003961B	140,060
CAM Center for Epigenetic Regulation of Inflammation (Project4)	93.RD	PAT003961B	137,291
Compartmentalization of Cyclic Nucleotide Signaling in the Ventral Hippocampus	93.RD	RMH101130A	297,331
MicreRNA Regulation of EAE by Resveratrol	93.RD	FAT008539A	42,748
Evaluation of Best Chance Network - SC Cancer Prevention and Control Programs (CCCCP)	93.RD	CY-13-026	10,438
South Carolina Study for Adolescents and Young Adults with Rare Conditions	93.RD	UDD000776A	10,181
JEOL JEM-1400 Transmission Electron Microscope for the University of South Carolina School of Medicine	93.RD	SOD01803A	386,435
A Geospatial Investigation of Breast Cancer Treatment	93.RD	RCA179355A	87,582
Racial Disparity of MIC-1 Gene in Prostate Tumor Biology	93.RD	RCA179733A	35,464
Modulation of NK Cell Activity by Dietary Product for Prostate Cancer Prevention	93.RD	RCA169453B	37,562
A Chemopreventive Strategy Based on Edible MicroRNAs Produced in Plants	93.RD	RCA181895A	52,105
Peers Promoting Exercise Adoption and Maintenance Among Cancer Survivors	93.RD	RCA183849A	24,026
Increasing Dietary Self-Monitoring and Weight Loss in an mHealth Intervention	93.RD	RCA187929A	41,087
Utilizing Physical Activity Coordinators to Increase Physical Activity Among Youth	93.RD	RHL121692A	136,140
TRB3: A Novel Mediator for Denervation-induced Muscle Atrophy	93.RD	RAR066825A	3,441
KCNQ Channels of the Urinary Bladder: A Functional Role and Therapeutic Potential	93.RD	FDK104528A	18,750
Regulation of kainate-type glutamate receptors by auxiliary subunits	93.RD	RNS088858A	7,026
Modifying Intrinsic Growth Capacity through Axonal mRNA Translation	93.RD	RNS041596C	327,510
Functions of Heparan Sulfate Proteoglycans in Axon Guidance and Degeneration	93.RD	RNS83714B	54,920
Center for Targeted Therapeutics (Admin Core)	93.RD	PGM109091A	84,790
Center for Targeted Therapeutics - Project 4 (Year 2)	93.RD	PGM109091A	58,014
Center for Targeted Therapeutics - Project 1 (Year 2)	93.RD	PGM109091A	26,436
Center for Targeted Therapeutics - Core D (Year 2)	93.RD	PGM109091A	36,952
Center for Targeted Therapeutics - Core B (Year 2)	93.RD	PGM109091A	11,751
CORE Pilot Project: Evaluation of the Peromyscus Leucopus Pan for Pharmacogenomics Studies	93.RD	PGM109091A	7,669
Center for Targeted Therapeutics - Project 3 - Year 2	93.RD	PGM109091A	64,605
Center for Targeted Therapeutics	93.RD	PGM109091A	3,791
Center for Targeted Therapeutics - Project 2	93.RD	PGM109091A	167,010
Center for Targeted Therapeutics (Admin Core)	93.RD	PGM109091A	571,594
Center for Targeted Therapeutics (Core B)	93.RD	PGM109091A	142,391
Center for Targeted Therapeutics (Core D)	93.RD	PGM109091A	207,513
Center for Targeted Therapeutics (Project 1)	93.RD	PGM109091A	196,843
Center for Targeted Therapeutics (Project 4)	93.RD	PGM109091A	211,697
Center for Targeted Therapeutics (Renovations)	93.RD	PGM109091A	300,000
COBRE Pilot Project: Identification and Validation of KCNQ Channels as Novel Molecular Targets	93.RD	PGM109091A	42,948
COBRE PILOT Proposal: PKR Inhibitory Peptides for Treatment of Type 2 Diabetes	93.RD	PGM109091A	43,811
COBRE Pilot Proposal: TRB3: A Novel Mediator for Denervation-induced Muscle Atrophy	93.RD	PGM109091A	43,812
Center for Targeted Therapeutics - Project 3	93.RD	PGM109091A	219,750
Muscarinic Modulation of the Basolateral Amygdala	93.RD	RMH104638A	21,150
Ubiquitin-mediated Regulation of the RAD51D Homologous Recombination Protein	93.RD	RGM110615A	69,104
Roles of Mammalian CST Complex in DNA Replication and Chromosome Cohesion	93.RD	RGM104409B	158,075
Mothers' Education after Childbearing and Family Well-Being	93.RD	RHD073312B	11,344
Turn Up the Heat - Healthy Eating and Activity Time in Summer Day Camps	93.RD	RHD079372A	144,176
Promoting Healthy Weight in Pregnancy and Postpartum among Overweight/Obese women	93.RD	RHD078407A	484,737
Social Mechanisms for Promoting Youth Physical Activity in Afterschool Programs	93.RD	RHD077357A	122,566
Community-Generated Palliative Care Telemedicine for Rural Black and White Elders	93.RD	RAG046772A	149,844
Validating Triage for Chemical Mass Casualty Incidents	93.RD	RLM011648A	419,510
<b>Passed through programs from:</b>			
<b>A&amp;Q NanoDesigns, LLC</b>			
Immunoreponse of a Stable Formulation of Measles Vaccine	93.RD	A&Q NANODESIGNS	20,562
<b>American Thrombosis &amp; Hemostasis Network</b>			
The Evaluation of the American Thrombosis and Hemostasis Network: The Ideal National Hemophilia Program Coordinating Center (NHPCC)	93.RD	ATHN/HRSA/MCHB	7,587
<b>Arizona State University</b>			
Chronic Moderate Sleep Restriction in Older Lona and Average Sleepers - (Diversity Supplement)	93.RD	15-603	49,046
<b>Association of University Centers on Disabilities</b>			
Disability and Health Program Value	93.RD	1U38OT000140-01	21,736
Disability and Health Program Value	93.RD	1U38OT000140-01	99,207
AUCD Technical Assistance on Medicaid Data	93.RD	1U38OT000140-02	23,023
<b>Boston University</b>			
Modeling Agreement in Cancer Diagnostic Tests	93.RD	4500001491	50,558
<b>Brandeis University</b>			
Early Identification of Substance Use and Psychological Problems in Army Women Veterans	93.RD	401717	1,260
Subcontract from Brandeis University - South Carolina Opioid Safety Initiative in the Military (SCOSI-M)	93.RD	402269	141,571
Subcontract from Brandeis University - South Carolina Opioid Safety Initiative in the Military (SCOSI-M)	93.RD	402269	8,751

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
<b>Passed through programs from:</b>			
<b>CarboNix, LLC</b>			
HIH-SBIR Phase II: Subcontract - CarboNix LLC	93.RD	SBIR-IISUB-USC1	89,869
<b>Cincinnati Children's Hospital Medical Center</b>			
TCD with Transfusions Changing to Hydroxyeura-Subaward with Cincinnati Children's - Amendment	93.RD	132981	13,906
TCD with Transfusions Changing to Hydroxyeura-Subaward with Cincinnati Children's	93.RD	132981	26,543
<b>Children's Hospital of Philadelphia</b>			
COG Chair Grant: Per Case Reimbursement	93.RD	U10CA098543	21,927
<b>Columbia University</b>			
Subcutaneously Implantable Affinity Micro sensor for Stable and Accurate Monitoring of Glucose	93.RD	1(GG007864)	72,797
Efficient Methods for Genotype-Specific Distributions with Unobserved Genotypes	93.RD	2(GG006250)	52,435
<b>Connecting Health Innovations</b>			
Developing the Dietary Inflammatory Index for Clinical Application (subcontract)	93.RD	CONNECTING HEAL	36,908
<b>Dartmouth College, Trustees</b>			
Cinema Smoking and Youth Smoking in Latin America	93.RD	1066/R01T400627	140,668
Clozapine for Cannabis Use Disorder and Schizophrenia	93.RD	1132	1,136
<b>Drexel University</b>			
Effects of the SCI Microenvironment on Intra-Axonal Signaling	93.RD	232566-5826	113,063
<b>Enformia, Inc</b>			
Platform for Collaborative Bio-Signal Data Management and Analysis - Sub-Contract with Enformia, Inc.	93.RD	ENFORMIA INC	21,155
<b>Environment and Health Group, Inc.</b>			
Mobile Telecare for Underserved African-American Elders with Heart Failure	93.RD	1R43MD008661-01	32,285
<b>Florida Department of Health</b>			
Identifying and Updating Public Health Impacts and Hazard Probabilities for Public Health and Medical Preparedness - Phase IIIA	93.RD	A8F18C	1
Identifying and Updating Public Health Impacts and Hazard Probabilities for Public Health and Medical Preparedness-Phase IIIB	93.RD	A9C17A	13,959
Identifying and Updating Public Health Impacts and Hazard Probabilities for Public Health and Medical Preparedness - Phase IIIA	93.RD	AEF18C	1,770
<b>Indoor Biotechnologies, Inc.</b>			
Antigenic Determinants of Asthma-Associated for Design of Immunotherapy	93.RD	R01A1077653	2,912
<b>Johns Hopkins University</b>			
Injury-Induced Pain: Chemical Modulation of Nociceptors	93.RD	2001362978	38,156
Sub contract with John Hopkins GMAP	93.RD	2001995453	22,455
<b>Kaiser Foundation Research Institute</b>			
Patterns of Care and Recurrence of Prostate Cancer	93.RD	115-9341-USC-01	10,382
CRN Scholars Program: Measuring Individual Patient Preferences for Management of Prostate Cancer	93.RD	115-9431-SC-02	6,257
<b>Medical University of South Carolina</b>			
South Carolina Clinical and Translational Research Institute (SCTR)	93.RD	MUSC09-078/NIH	16,845
Inflammation and Degeneration of Optic Nerve in EAE (Subcontract)	93.RD	MUSC09-116	908
Biomarkers in Autism of Aripiprazole and Risperidone Treatment (BAART)	93.RD	MUSC10-124	85,315
Biomarkers in Autism of Aripiprazole and Risperidone Treatment (BAART)	93.RD	MUSC	62,326
Genetic and Environmental Influences on SLE and Lupus-Related Autoimmunity	93.RD	MUSC12-085	19,004
MCRC for Rheumatic Diseases in African Americans	93.RD	MUSC12-118	(4)
Controlling Blood Pressure in Treatment Resistant Hypertension: A Pilot Study.	93.RD	MUSC13-057	27,066
Brief, Novel Smoking Cessation in Primary Care: A Comparative Effectiveness Trial	93.RD	MUSC13-068	254,632
Rebuilding the Graniteville, SC Community Through Health Communication and Promotion, and Public Health Tracking	93.RD	MUSC14-047	4,841
Brain Connectivity Supporting Language Recovery in Aphasia	93.RD	MUSC14-031	64,617
Transient Receptor Potential Meastatin-4 (TRPM4) Channel in Urinary Bladder Smooth Muscle	93.RD	SCTR#1508	9,374
Subaward: Novel Intervention Linking Public Housing with Primary Care to Prevent Diabetes	93.RD	MUSC14-054	27,536
Crest 2	93.RD	MUSC14-050	2,958
South Carolina Collaborative Alliance for Stroke Trials-(SC-CoAST)- USC Subaward	93.RD	MUSC13-069	84,806
Complement-factor H-based Therapeutics in an Age-related Macular Degeneration	93.RD	MUSC14-084	30,152
<b>MicroVide LLC</b>			
Reversal of Myocardial Infarction by Localized Stimulation	93.RD	MICROVIDE /NIH	169,965
<b>NORC University of Chicago</b>			
NCS Vanguard Central ROC Task Order 3NCS Health Measurement Data Collection - sub-contract with NORC	93.RD	7423USC PATE.T0	116,952
<b>PPI Pharmaceuticals, LLC</b>			
Non-ATP Competitive Inhibitors of Cyclin Dependent Kinases as Cancer Therapeutics	93.RD	PPI PHARMACEUTI	80,739
<b>Rhode Island Hospital</b>			
Impact of Health Reform on Outpatient Substance Abuse Treatment Programs	93.RD	1R01DA034634-01	17,970
Impact of Health Reform on Outpatient Substance Abuse Treatment Programs	93.RD	701-5530	16,059
<b>Spartanburg Regional Medical Center</b>			
Research Supplements to Promote Diversity - Individualizing Colon Cancer Therapy Using Hybrid RNA and DNA			
Nol. Signature	93.RD	U01CA157960-03	94,543
<b>Texas Tech University</b>			
University of South Carolina Subaward: Impact of Video Games on Underserved Children's Health	93.RD	21F086-03	18,256
<b>University of Alabama</b>			
A Genetic Model for Early-Onset Breast and Colon Cancer in African Americans	93.RD	000503061-001	53,068
Conformational Dynamics & Allosteric Regulation During Stress-Responsive Metallocofactor Assembly	93.RD	UA15-040	61,853
<b>University of North Carolina</b>			
SEARCH Nutrition Ancillary Study 2 (SNAS2)	93.RD	5-34496	30,194
<b>University of Massachusetts</b>			
Identification of Citrullinated Biomarkers of Inflammatory Diseases and Cancer	93.RD	7R01GM110394-02	62,586

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
<b>Passed through programs from:</b>			
<b>University of Pittsburgh</b>			
A Promotora-mediated, Family-based Intervention to Prevent Obesity in Latino Preschool Children - Sub-contract with University of Pittsburgh	93.RD	0045199(125081)	394
<b>University of South Florida</b>			
The TEDDY Study	93.RD	6119-1276-11-AV	31,631
The TEDDY Study	93.RD	6119-1276-00-AV	12,611
<b>University of Texas Health Sciences Center</b>			
Subaward - ENLACE: A Promotora-Led Physical Activity Intervention Trial for Latinas in Texas	93.RD	5R01HL111718-02	(2,422)
Subaward: ENLACE: A Promotora-Led Physical Activity Intervention Trial for Latinas in Texas	93.RD	5R01HL111718	98,111
<b>University of Vermont</b>			
Internet Assisted Obesity Treatment: Enhanced by Motivational Interviewing	93.RD	24030U0FSC	245,763
<b>University of Waterloo</b>			
Evaluating the Impact of Mandatory Nutrition Information on Menus	93.RD	117845	9,124
<b>Wake Forest University</b>			
Behavioral Consultant to the Look AHEAD 2-year Competing Continuation	93.RD	WUHS 118224	1,003
<b>Winifred Masterson Burke Medical Research Institute</b>			
HDAC6 is a Target for Neuroprotection (R01NX071056-04)	93.RD	BL3869-004	7,653
<b>Yale University</b>			
Molecular Imaging Predicts Atrial Remodeling and Fibrillation Vulnerability	93.RD	M13A11592A09145	45,593
<b>YMCA of Greenville</b>			
Assessment of Park Quality Improvements & Inequities Between 2014-2017	93.RD	LIVEWELL GREENV	637
<b>South Carolina Campaign to Prevent Teen Pregnancy</b>			
Beaufort County School District Case Study	93.RD	TP1AH000026	8,328
<b>South Carolina Department of Health and Environmental Control</b>			
QI & Evaluation of DHEC Chronic Disease (Well Integrated Screening and Evaluation for Women)	93.RD	CY-13-026	1,278
QI & Evaluation of DHEC Chronic Disease (Well Integrated Screening and Evaluation for Women Across the Nation)	93.RD	CY-13-026	10,955
QI & Evaluation of DHEC Chronic Disease - SC Cancer Prevention and Control Programs (CCCP)	93.RD	CY-13-026	(4,641)
Quality Improvement and Evaluation of DHEC Chronic Disease Programs - Division of Tobacco Prevention and Control, Diabetes Prevention and Control	93.RD	CY-13-026	5,023
SC DHEC Cooperative Agreement Contract No. CY-2-801: Community Transformation Grant and CCDPHP Program (Function #2)	93.RD	CY-2-801	28,867
Healthy South Carolina Initiative: Community Transformation Plan	93.RD	CY-4-509	820,175
Diabetes, Heart Disease, Obesity and School Health	93.RD	CY-4-509	99,970
Healthy South Carolina Initiative: DHEC Reporting	93.RD	CY-4-509	29,966
South Carolina Muscular Dystrophy System	93.RD	MC-15-011	82,791
<b>South Carolina Department of Health and Human Services</b>			
Institute for Families in Society Sub-Contract to Provide Evaluation Technical Assistance and Support with the SC Department of Health and Human Services on the CHIPRA Quality Demonstration Project	93.RD	A51642A	339,806
The Purchase and Provision of Evaluation Technical Assistance and Support for the CHIPRA Quality Initiative	93.RD	A51642A	504
Feasibility Study of a Social Impact Bond to Finance Nurse Family Partnerships(NFP) For Improving Child Health Outcomes to Finance(Phase One) A201410480A	93.RD	A201410680A	4,974
SFY 2014 DHHS MEQA/PERM QM Contract	93.RD	A20141425A	1,063
PRTF Evaluation and Wraparound Implementation	93.RD	A20141571A	26,245
For the Purchase and Provision of Alzheimer's Disease Registry, Management and Training and Development Related to Dementia	93.RD	A20160088A	295,392
For the Purchase and Provision of Alzheimer's Disease Registry, Management and Training and Development Related to Dementia (SCVAGAL PROGRAM)	93.RD	A20160088A	410,622
For the Purchase and Provision of the Alzheimer's Disease Registry Management and Training and Development Related to Dementia (Dementia Training/Development)	93.RD	A20160088A	114,060
Technical Assistance Support for Coordination of Data Reporting and Data Analytics for the SC Medicaid Program	93.RD	A201710237A	1,362,153
Technical Assistance Support for Coordination of Data Reporting and Data Analytics for the SC Medicaid Program	93.RD	A201710237A	234
Data Translation and Interpretation, Evaluation, Research and Technical Assistance SC Medicaid Program	93.RD	A201710239A	2,501,704
Data Translation and Interpretation, Evaluation, Research and Technical Assistance SC Medicaid Program	93.RD	A201710239A	200
SCDHHS A201511200A: Assessment & Recommendations of Existing & Needed Community-Based Treatment Team Services for Individuals with Severe Mental Illnesses & High Risk of Repeated Psychiatric Crises & Hospital Visits	93.RD	A201511200A	45,492
SF 2015 and 2016 QVQA Contract	93.RD	A20151425A	849,482
<b>South Carolina Department of Social Services</b>			
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and NYTD (Child Welfare Quality Assurance)	93.RD	TO1	77,558
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and NYTD (Economic Services Quality Improvement)	93.RD	TO2	843
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and NYTD (NYTD Survey)	93.RD	TO7	6,667
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NY TD(2014-2015)	93.RD	TO#1	2,643,950
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality improvement and Training Evaluation, NY TD(2014-2015)	93.RD	TO#2	170,453
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. Quality Assurance Review, Economic Services Quality Improvement and Training Evaluation, NY TD(2014-2015)	93.RD	TO#7	336,272

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
Type 1 Diabetes TrialNet: Natural History of the Development of Type 1 Diabetes	93.RD	0000137866	6,279
Multigenerational Epigenetic Effects of Cannabis Exposure	93.RD	0255-4641-4609	(1,530)
Multigenerational Epigenetic Effects of Cannabis Exposure	93.RD	0255-4641-4609	8,992
A Multi-Center Epidemiologic Study of Breast Cancer in African American Women	93.RD	110105SEA00403	1,441
Data Management Core for the ITC Project, Evaluating the Effectiveness of Tobacco Control Policies in Low and Middle Income Countries	93.RD	115929	2,006
Aging, Acetylcholine and the Hypothalamus	93.RD	1R01AG030646-01	3,388
SC Department of Health and Human Services on the CHIPRA Quality Demonstration Project	93.RD	1R01CA131368-01	417
Immune Mechanism Underlying CXCR3 Ligand-Mediated Interstitial Cystitis(IC)	93.RD	1R56DK087836-01	41,614
Platelet-Oriented Inhibition in New TIA	93.RD	1U01NS026835-01	23,506
Language Development in Fragile X Syndrome	93.RD	201118600-01	185,751
Evaluation of a Law Enforcement Motor-Vehicle Crash Prevention Program	93.RD	212-2014-M58154	12,373
Studying Community Programs to Reduce Childhood Obesity - sub-contract with Battelle Memorial Institute (Task 1-Scientific Leadership and Project Management)	93.RD	236804	40,153
Studying Community Programs to Reduce Childhood Obesity - sub-contract with Battelle Memorial Institute (Task 6-Training and QA/QC Oversight)	93.RD	236804	12,823
Studying Community Programs to Reduce Childhood Obesity - sub-contract with Battelle Memorial Institute (Task 8- analysis & Dissemination)	93.RD	236804	137,206
Snacking in Young Children: Parental Definitions, Goals, and Feeding Practices	93.RD	252272-SCRF	722
Snacking in Young Children: Parental Definitions, Goals, and Feeding Practices	93.RD	252272-SCRF	20,720
The Virtual Reality Functional Capacity Assessment Tool (VRCAT) Validation Study	93.RD	2R44MH084240-02	11,598
Insulin Resistance Intervention after Stroke (IRIS) Trail	93.RD	2U01NS044876-07	45,352
Adoptive Transfer of Immunity Elicited by Attenuated HIV Vaccines	93.RD	317K310	20,784
Analysis and Action on the Environmental Determinants of Health and Health Disparities	93.RD	3P20MD001770-07	6,979
Strengthening the Quality of School Mental Health - Administrative Supplement	93.RD	3R01MH081941-03	12,322
Sip 13-073: Design, Implementation and Evaluation of a National Quitline Registry to Enhance Smoking Cessation in the United States	93.RD	3U48DP001936-05	50,162
SIP-09-002 South Carolina Cancer Prevention and Control Research Network (SCPCRN)	93.RD	3U48DP001936-05	123,603
SIP-09-027 Healthy Aging Research Network Collaborating Center	93.RD	3U48DP00193605S	14,983
Design, Implementation and Evaluation of a National Quitline Registry to Enhance Smoking Cessation in the United States	93.RD	3U48DP00193605S	2,654
Cytoskeletal Oscillations: Mathematical Modeling Integrated with Experiments	93.RD	5-33150	19,001
SEARCH for Diabetes in Youth, Phase 3, Year 4 - USC	93.RD	5-52855	46,632
SEARCH for Diabetes in Youth, Phase 3, Year 5 - USC	93.RD	5-52855	118,226
Exploring Current Smokers' Interest in Using Smokeless Tobacco Products	93.RD	5R01CA141609-04	19,071
SIP-09-028 Evaluation of a Self-directed, Packaged Physical Activity Program for Adults with Arthritis	93.RD	5U48DP001936-03	2,124
Microencapsulation of Oocytes for Low-CPA (cryoprotectant) Vitrification	93.RD	R01EB012108	10,092
Bio dosimetry of Children Exposed to Low-Level Radioactive Contamination	93.RD	6GG006900-02	18,205
Pathways from Food Insecurity to Treatment and Health Outcomes in Women with HIV	93.RD	7440SC	30,251
Alcoholism and Schizophrenia: "Translational Approach to Treatment"	93.RD	920	(31,563)
Effects of Criminal Justice System Exposure on Youth's Substance Use Trajectories	93.RD	B300773	38,059
South Carolina Clinical and Translational Research Institute (SCTR)			
of Blood Pressure Reduction for Hypertension in Acute Intracerebral Hemorrhage	93.RD	N000936945	9,748
Center for CAM Research on Autoimmune and Inflammatory Diseases - Admin. Core	93.RD	PAT003961A	2,102
Center for CAM Research on Autoimmune and Inflammatory Diseases - Immunotox. Core	93.RD	PAT003961A	4,546
Center for CAM Research on Autoimmune and Inflammatory Diseases - Project 1	93.RD	PAT003961A	2,147
Center for CAM Research on Autoimmune and Inflammatory Diseases - Project 3	93.RD	PAT003961A	1,450
Children's Dietary Recalls: Prompts, Retention Interval, and Accuracy	93.RD	RAG028687B	24,934
Methods to Detect Maternal Exposures and Child Outcomes	93.RD	RES012895B	5,288
Methods to Detect Maternal Exposures and Child Outcomes	93.RD	RES012895B	49,369
Maternal Methyl mercury Exposure Through Rice Ingestion and Offspring Development	93.RD	RES022409A	98,584
Mammary Gland Laterality in Normal and Neoplastic Development	93.RD	RHD068993A	8,164
Diet & Activity Community Trial: High-Risk Colon Polyps	93.RD	RMD002769A	62,184
Amygdala Neuropeptides and Anxiety	93.RD	RMH063344B	(130)
Diabetes Prevention Program Outcomes Study (DPPOS)	93.RD	S-DPP1314-JB05	973
Quit Advisor MD	93.RD	SILVERCHAIR	28,940
Long-Term Lung Health After Exposure to Chlorine Gas	93.RD	TULHSC276-11/12	49,440
Rural Health Research Center Cooperative Agreement 2013-2014	93.RD	U1CRH03711CO	30,196
Rural Health Research Center Cooperative Agreement 2013-2014	93.RD	U1CRH03711CO	140,498
Rural Health Research Grant Program Cooperative Agreement FY2014 Noncompeting Continuation	93.RD	U1CRH03711CO	67,398
Three State Rare Conditions Surveillance Project	93.RD	UDD000927A	13,699
Three State Rare Conditions Surveillance Project	93.RD	UDD000927A	130,046
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	UDD001007A	27,332
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	UDD001007A	17,605
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	UDD001007A	1,126,261
Project to Learn about Youth-Mental Health (PLAY-MH)	93.RD	UDD001007A	81,570
PCSK9, Lipoprotein Receptors, and Atherosclerosis	93.RD	VUMC38212	728
Systolic Blood Pressure Intervention Trial (SPRINT)	93.RD	WFUHS 30209	46,471
Systolic Blood Pressure Intervention Trial(SPRINT)	93.RD	WFUHS30215	79,898

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
Air Pollution, Subclinical CVD and Inflammatory Markers in the SEARCH Cohort	93.RD	Z036107	95,260
Methamphetamine and HIV-1: NMDAR/DI Mediated Neurologic Effects	93.RD	RDA031604A	27,772
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	47,916
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities	93.RD	001007DD14	1,445,048
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities (EMR Rare Conditions)	93.RD	001007DD14	39,576
Coordinating Center for Research and Training to Promote the Health of People with Developmental and Other Disabilities ( Mental Health (Play-MH))	93.RD	001007DD14	191,937
Health Promotion and Disease Prevention Research Centers: Center Proposal CAT. 1 (Center)	93.RD	001936YM13	81,826
Health Promotion and Disease Prevention Research Centers: Center Proposal CAT. 1 (Research)	93.RD	001936YM13	131,923
Children's Dietary Recalls: Prompts, Retention, Interval, and Accuracy	93.RD	RHL103737A	5,103
<b>Total U.S. Department of Health and Human Services</b>			<b>53,143,645</b>
<b>Executive Office of the President</b>			
Assessing the Congruence of Estimates of Drug-Related Emergency Department Visits Produced by the Drug Abuse Warning Network (DAWN) and the Healthcare Cost and Utilization Project (HCUP): Can HCUP Fill the Gap Left by DAWN?	95.RD	G14USCAROLINA2	16,388
Analysis of Drug-Involved Driving Data from the Fatality Analysis Reporting System: An Update and Extension through 2014	95.RD	G14USCAROLINA1	31,044
<b>Total Executive Office of the President</b>			<b>47,432</b>
<b>U.S. Department of Homeland Security</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
Mobile Geospatial Situational Awareness for Field and Command Staff During The Emergency Response Phase	97.RD	HSHQDC-11C00140	(153)
Tracking Airborne and Satellite Remote Sensing Collection Assets for Emergency Response Phase	97.RD	HSHQDC-11C00151	28,488
Geospatial Risk Assessment Protocols	97.RD	4100033643	43,851
<b>South Carolina Universities Research and Education Foundation</b>			
Nuclear Forensics Junior Faculty Award Program	97.RD	NF13001	111,264
Nuclear Forensics Junior Faculty Award Program	97.RD	NF13004	494,211
Nuclear Forensics Minority Serving Institution Collaboration Award Program	97.RD	NF13006	35,362
<b>University of North Carolina</b>			
E2E Project: Identifying and Analyzing the Driving Forces of Hurricane Recovery for Disaster Stricken Areas to Improve Long-term Planning	97.RD	5-36314	140,384
<b>Total U.S. Department of Homeland Security</b>			<b>853,407</b>
<b>U.S. Agency for International Development</b>			
An Assessment of Mali Meteorological Service's Agro meteorological Program	98.RD	EPPI00040002400	508
<b>Passed through programs from:</b>			
<b>International Resources Group</b>			
Research and Implementation Related To Adaptation to Climate Change	98.RD	EPP-1000400024	230,000
Research and Implementation Related to Adaptation to Climate Change	98.RD	EPP-10004-00024	40,418
<b>Total U.S. Agency for International Development</b>			<b>270,926</b>
<b>Total Research and Development Cluster</b>			
			<b>91,912,096</b>
<b>Student Financial Assistance Cluster</b>			
<b>U.S. Department of Education</b>			
SEOG 2014-2015 2 Yr Campus	84.007	P007A143812	104,217
SEOG 2013-2014 Aiken	84.007	P007A137399	517
SEOG 2014-2015 Aiken	84.007	P007A147399	89,942
SEOG 2013 - 2014 Beaufort	84.007	P007A138840	6,806
SEOG 2014 - 2015 Beaufort	84.007	P007A148840	63,855
SEOG Clearing Account-Spartanburg	84.007	P007A137400	(500)
SEOG 2013-2014 Spartanburg	84.007	P007A137400	(26,837)
SEOG 2014-2015 USC Upstate	84.007	P007A137400	115,421
SEOG 2014-2015 Columbia	84.007	P007A143813	576,537
FWS 2013-2014 Master 2-Yr Campus	84.033	P033A133812	4,297
FWS 2013-2014 - Sumter	84.033	P033A133812	2,122
FWS 2013-2014 - Lancaster	84.033	P033A133812	5,979
FWS 2013-2014 - Salkehatchie	84.033	P033A133812	7,635
FWS 2013-2014 - Union	84.033	P033A133812	5,396
FWS 2014-2015 Sumter	84.033	P033A143812	49,513
FWS 2014-2015 Lancaster	84.033	P033A143812	37,062
FWS 2014-2015 Salkehatchie	84.033	P033A143812	54,464
FWS 2014-2015 Union	84.033	P033A143812	26,407
College Work-Study Clearing Acct-Federal	84.033	P033A137399	(6,090)
College Work Study 2012-2013 Aiken	84.033	P033A127399	(302)
College Work-study 2013-2014 Aiken	84.033	P033A137399	28,842
College Work-study 2014-2015 Aiken	84.033	P033A147399	88,383
FWS Clearing Account - Beaufort	84.033	P033A138840	(1,413)
FWS 2013-2014 Beaufort	84.033	P033A138840	5,857
FWS 2014-2015 Beaufort	84.033	P033A148840	38,850
College Work Study Clearing Account	84.033	P033A137400	729
College Work-Study 2013-2014 USC Upstate	84.033	P033A137400	52,995
College Work-study 2014-2015 USC Upstate	84.033	P033A147400	154,427

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>Student Financial Assistance Cluster, continued</b>			
<b>U.S. Department of Education, continued</b>			
College Work-Study Clearing Acct-Federal	84.033	P033A133813	10,240
FWS Community Service-Clearing Account	84.033	P033A133813	3,945
College Work-Study 2013-2014 Columbia	84.033	P033A133813	445,660
College Work-Study 2014-2015 Columbia	84.033	P033A143813	9,202
CWS Job Location & Development 2013-2014	84.033	P033A133813	(392)
CWS Job Location & Development 2014-2015	84.033	P033A143813	50,000
College Workstudy Prog Instruction 13-14	84.033	P033A133813	3,363
College Workstudy Prog Instruction 14-15	84.033	P033A143813	219,777
College Workstudy Prog Research 13-14	84.033	P033A133813	1,609
College Workstudy Prog Research 14-15	84.033	P033A143813	108,701
College Workstudy Prog/Public Svs 13-14	84.033	P033A133813	616
College Workstudy Prog/Public Svs 14-15	84.033	P033A143813	46,540
College Workstudy/Academic Sup Lib 13-14	84.033	P033A133813	153
College Workstudy/Academic Sup Lib 14-15	84.033	P033A143813	17,213
College Workstudy/Academic Sup Oth 13-14	84.033	P033A133813	498
College Workstudy/Academic Sup Oth 14-15	84.033	P033A143813	39,737
College Workstudy/Student Services 13-14	84.033	P033A133813	481
College Workstudy/Student Services 14-15	84.033	P033A143813	31,641
College Workstudy/Inst Support 13-14	84.033	P033A133813	767
College Workstudy/Inst Support 14-15	84.033	P033A143813	51,924
College Workstudy/O&M 13-14	84.033	P033A133813	645
College Workstudy/O&M 14-15	84.033	P033A143813	46,273
College Workstudy/Auxiliary 13-14	84.033	P033A133813	1,439
College Workstudy/Auxiliary 14-15	84.033	P033A143813	102,577
College Workstudy/Scholarships 13-14	84.033	P033A133813	923
College Workstudy/Scholarships 14-15	84.033	P033A143813	140,518
Federal Perkins Loan Program 2012-2013 Columbia	84.038	P038A133813	2,688,210
Federal Perkins Loan Program 2012-2013 2 Yr Campuses	84.038	P038A133812	46,880
Federal Perkins Loan Program 2012-2013 Aiken	84.038	P038A127399	151,206
Federal Perkins Loan Program 2012-2013 Spartanburg	84.038	P038A127400	95,420
Federal Perkins Loan Program Sumter	84.038	P038A133812	46,875
Federal Perkins Loan Program Lancaster	84.038	P038A133812	57,075
Federal Perkins Loan Program Salkehatchie	84.038	P038A133812	71,212
Federal Perkins Loan Program Union	84.038	P038A133812	57,151
Iraq and Afghanistan Service Grant 14-15	84.063	P408A145738	5,317
Pell Grant Admin Allow FY 2013-2014	84.063	P063Q133261	255
Pell Grant Admin Allow FY 2014-2015	84.063	P063Q143261	10,130
Pell Grant Program 2013-2014 / Sumter	84.063	P063P133261	(731)
Pell Grant Program 2014-2015 / Sumter	84.063	P063P143261	1,537,579
Pell Grant Program 2013-2014 / Lancaster	84.063	P063P133261	(1,934)
Pell Grant Program 2014-2015 / Lancaster	84.063	P063P143261	2,473,159
Pell Grant Program 2013-2014/Salkehatchie	84.063	P063P133261	5,650
Pell Grant Program 2014-2015/Salkehatchie	84.063	P063P143261	2,611,055
Pell Grant Program 2013-2014 / Union	84.063	P063P133261	134
Pell Grant Program 2014-2015 / Union	84.063	P063P143261	1,249,673
Pell Grant 2012-2013 Aiken	84.063	P063P122201	(125)
Pell Grant 2013-2014 Aiken	84.063	P063P132201	(12,619)
Pell Grant 2014-2015 Aiken	84.063	P063P142201	5,742,116
Pell Grant Admin Allow FY 2013-2014	84.063	P063Q132201	95
Pell Grant Admin Allow FY 2014-2015	84.063	P063Q142201	7,125
Pell 2013 - 2014 Beaufort	84.063	P063P135738	6,237
Pell Grant Admin All 2013-2014 Beaufort	84.063	P063Q135738	70
Pell 2014 - 2015 Beaufort	84.063	P063P145738	3,314,819
Pell Grant Admin All 2014-2015 Beaufort	84.063	P063Q145738	4,360
Pell Grant 2012-2013 USC Upstate	84.063	P063P122877	(2,566)
Pell Grant Admin Allow FY 2013-2014	84.063	P063Q132877	200
Pell Grant 2013-2014 USC Upstate	84.063	P063P132877	(11,182)
Pell Grant Admin Allow FY 2014-2015	84.063	P063Q142877	14,360
Pell Grant 2014-2015 USC Upstate	84.063	P063P142877	11,311,013
Pell Grant Admin Allow FY 2013-2014	84.063	P063Q132200	305
Pell Grant 2013-2014 Columbia	84.063	P063P132200	13,224
Pell Grant Admin Allow FY 2014-2015	84.063	P063Q142200	29,170
Pell Grant 2014-2015 Columbia	84.063	P063P142200	24,031,010
Direct Loan Program 2013-2014	84.268	P268K142201	(25,195)
Direct Loan Program 2014-2015	84.268	P268K152201	17,069,100
Direct Loan Program 2013-2014	84.268	P268K145738	(3,714)
Direct Loan Program 2014-2015	84.268	P268K155738	9,810,931
Direct Loan Program 2013-2014	84.268	P268K146800	260
Direct Loan Program 2014-2015	84.268	P268K156800	2,396,763
Direct Loan Program 2013-2014	84.268	P268K146804	1,634
Direct Loan Program 2014-2015	84.268	P268K156804	3,553,212
Direct Loan Program 2013-2014	84.268	P268K146799	(1,136)
Direct Loan Program 2014-2015	84.268	P268K156799	3,947,938
Direct Loan Program 2013-2014	84.268	P268K146852	(2,875)

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>Student Financial Assistance Cluster, continued</b>			
<b>U.S. Department of Education, continued</b>			
Direct Loan Program 2014-2015	84.268	P268K156852	2,016,279
Direct Loan Program 2013-2014	84.268	P268K142877	30,719
Direct Loan Program 2014-2015	84.268	P268K152877	31,438,704
Direct Loan Program 2013-2014	84.268	P268K142200	171,104
Direct Loan Program 2014-2015	84.268	P268K152200	215,031,479
Teach Grant 2014 2015 Aiken	84.379	P379T152201	19,820
Teach Grant 2014 2015 USC Upstate	84.379	P379T152877	47,568
Teach Grant 2014-2015 Columbia	84.379	P379T152200	136,128
<b>Total U.S. Department of Education</b>			<b>344,009,808</b>
<b>U.S. Department of Health and Human Services</b>			
Columbia Nursing Faculty Loan Program	93.264	3-NFLP900066	126,392
Nurse Faculty Loan Program 2014	93.264	E01HP27089	26,629
Health Professions Student Loan - Columbia Pharmacy	93.342	NONE	40,869
Health Professions Student Loan - Columbia Medicine	93.342	NONE	(71,719)
Health Professions Student Loan - Columbia Primary Care	93.342	NONE	80,634
Nursing Student Loan - Columbia Baccalaureate	93.364	NONE	102,248
Nursing Student Loan - Columbia Graduate	93.364	NONE	17,670
Nursing Student Loan - Spartanburg Associate	93.364	NONE	(348)
Nursing Student Loan - Aiken Associate	93.364	NONE	(960)
<b>Total U.S. Department of Health and Human Services</b>			<b>321,415</b>
<b>Total Student Financial Assistance Cluster</b>			<b>344,331,223</b>
<b>TRIO Cluster</b>			
<b>U.S. Department of Education</b>			
Talent Search Program	84.044	P044A110078	332,371
Educational Opportunity Centers Program	84.066	P066A110032	436,293
Ronald E. McNair Post Baccalaureate Achievement Program	84.217	P217A120040	230,365
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
Student Support Services (Grant-in-Aid)	84.042	P042A101438	(5,000)
Student Support Services	84.042	P042A101438	203,481
Student Support Services	84.042	P042A101438	44,036
Student Support Services (Grant-in-Aid)	84.042	P042A101438	15,000
Student Support Services (SSS)	84.042	P042A101162	250,996
Student Support Services (SSS) - Grant-In-Aid	84.042	P042A101162	14,327
Student Support Services 2010-2015	84.042	P042A101465	39,352
Student Support Services 2010-2015	84.042	P042A101465	189,659
Student Support Services 2010-2015 (Grant-in-Aid)	84.042	P042A101465	19,697
USC Union Student Support Services	84.042	P042A100582	223,692
Student Support Services 2010-2015	84.042	P042A100121	215,928
Student Support Services 2010-15 Grant-in-Aid	84.042	P042A100121	32,921
Student Support Services	84.042	P042A100032	319,980
Student Support Services Program - Grant-in-Aid	84.042	P042A100032	20,552
Upward Bound Program	84.047	P047A120485	251,745
Upward Bound	84.047	P047A121668	491,601
<b>Total U.S. Department of Education</b>			<b>3,326,996</b>
<b>Total TRIO Cluster</b>			<b>3,326,996</b>
<b>Medicaid Cluster</b>			
<b>U.S. Department of Health and Human Services</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Department of Disabilities and Special Needs</b>			
Provision and Training and Certification for Self-Directed Attendant Care for ID/DD and HASCI Waiver Participants	93.778	20143043	738
Provision and Training and Certification for Self-Directed Attendant Care for ID/DD and HASCI Waiver Participants	93.778	20153043	92,049
<b>South Carolina Department of Health and Human Services</b>			
DHHS/SCCAMRS Administrative Contract FY 14-15	93.778	A20151593A	172,158
Training and Certification for Attendant Care Services	93.778	A20170675A	8,828
Training and Certification for Attendant Care Services	93.778	A20170675A	695,843
Outpatient Pediatric AIDS Clinic Services 13-14	93.778	C42746M	5,270
Outpatient Pediatric AIDS Clinic Services 14-15	93.778	C52746M	17,439
Ongoing Consumer Satisfaction Survey	93.778	A20151722A	115,640
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	(22,577)
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	A20151599A	820,752
Connecting Data Analysis to Research and Practice for Child Serving Agencies	93.778	A201510524A	135,527
<b>Total U.S. Department of Health and Human Services</b>			<b>2,041,667</b>
<b>Total Medicaid Cluster</b>			<b>2,041,667</b>



**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>Special Education Cluster (IDEA)</b>			
<b>U.S. Department of Education</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Department of Education</b>			
Project CREATE	84.027	H63010100915	99,915
Project CREATE 2013-14	84.027	H63010100913	39,475
Project CREATE 2014-2015	84.027	H63010100915	80,007
Project CREATE 2013-14	84.027	H63010100613	10,006
Project Create 2015	84.027	H63010100915	57,104
<b>South Carolina First Steps to School Readiness</b>			
Team for Early Childhood Solutions	84.027	SC FSSR/USDE	1,056
Team for Early Childhood Solutions	84.027	SC FIRST STEPS	486,314
<b>South Carolina School for the Deaf and Blind</b>			
SC Interagency Deaf Blind Project	84.027	SC SCH FOR DEAF	11,989
SC Interagency Deaf-Blind Project	84.027	SCH OF DEAF & B	12,000
<b>Total U.S. Department of Education</b>			<b>797,866</b>
<b>Total Special Education Cluster (IDEA)</b>			<b>797,866</b>
<b>CCDF Cluster</b>			
<b>U.S. Department of Health and Human Services</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Department of Social Services</b>			
Building a Statewide System for Inclusion 2013-14	93.575	DSS/HHS	160,477
Building a Statewide System for Inclusion 2014-15	93.575	DSS/HHS	310,441
Management & Administration of the Child Care Resource and Referral Network 2013-2014	93.575	DSS/HHS	4,355
Management & Administration of the Child Care Resource and Referral Network 2014-2015	93.575	DSS/HHS	1,316,672
Improve the Quality of Child Care for South Carolina Families 2014-15	93.575	4400008002	130,899
Improve the Quality of Child Care for South Carolina Families 2015-16	93.575	4400008002	10,882
Statewide Child Care Market Rate Survey	93.575	4400010008	31,444
<b>Total U.S. Department of Health and Human Services</b>			<b>1,965,170</b>
<b>Total CCDF Cluster</b>			<b>1,965,170</b>
<b>WIA Cluster</b>			
<b>U.S. Department of Labor</b>			
<b>Passed through programs from:</b>			
<b>Spartanburg County</b>			
Achieve 2013-14	17.259	13Y603C4-UWIB	6,932
Achieve 2014-15	17.259	14Y603C4-UWIB	371,472
<b>Total U.S. Department of Labor</b>			<b>378,404</b>
<b>Total WIA Cluster</b>			<b>378,404</b>
<b>Highway Planning and Construction Cluster</b>			
<b>U.S. Department of Transportation</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Department of Transportation</b>			
Laurens and Spartanburg Counties Site File Digitalization Project	20.205	1670	10,953
<b>Total U.S. Department of Transportation</b>			<b>10,953</b>
<b>Total Highway Planning and Construction Cluster</b>			<b>10,953</b>
<b>U.S. Department of Education</b>			
Strengthening USC Upstate by Investing in Student Engagement and Advising Success	84.031	P031A140156	213,531
Rehabilitation Long-Term Training: Expanding the Next Generation of Psychiatric Rehabilitation Professions	84.129	H129H140008	73,793
Project POSTS: Preparation of Secondary Transition Specialists	84.325	H325K110505	277,706
USC Special Education Program Improvement Project (USC SEPIP)	84.325	H325T110004	232,752
Jacob Fellowships 2011-2012	84.170	P170B110008	39,324
South Carolina Assistive Technology Program	84.224	H224A140040	437,701
South Carolina Assistive Technology Program	84.224	H224A150040	52,227
<b>Passed through programs from:</b>			
<b>Allendale County School District</b>			
STEM Camp 2014	84.999	ALLEDALE COUNTY	9,834
<b>Clarendon County School District Two</b>			
Clarendon School District Two Autism Consultation Services	84.999	CLARENDON CTY S	4,536
<b>Killian Elementary School</b>			
Killian Elementary School Professional Development Project	84.999	RICHLAND SCH D2	3,183
<b>Lancaster School District</b>			
GearUp II: Gaining Early Awareness and Readiness for Undergraduate Programs	84.999	LANCASTER CTY S	9,009
<b>Lexington/Richland School District Five</b>			
LYP After-School Program for Irmo High School	84.287	19619	10,485
Challenging Horizons Program at H.E. Corley Elementary and Seven Oaks Elementary 2012-13	84.287	SCHOOL DIST 5	(193)
<b>South Carolina Research Foundation</b>			
Long Term Training: Vocational Rehabilitation	84.129	H129B100022	125,699
Graduate Assistance in Areas of National Need (GAANN) Fellowship Program - Chemistry	84.200	P200A120075	132,396
Graduate Assistance in Areas of National Need (GAANN)	84.200	P200A120090	153,269
The Possibilities Are Endless: Promoting Braille Throughout South Carolina	84.235	H235E090010	20,258

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Education, continued</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
Special Education Preservice Improvement 84.325T	84.325	H325T090012	83,412
Preparation of Leadership Personnel: Project PALEIS	84.325	H325D080025	42,455
Preparation of Leadership Personnel: Project SPEARTIP	84.325	H325D090025	62,216
Paraprofessionals Preservice Improvement Grant	84.325	H325N100019	77,998
2014-2016 NWP SEED Teacher-Leadership Grant	84.367	NAT'L WRITINGS	8,349
Aiken Writing Project SEED PD	84.367	07-SC12SEED2012	6,677
Aiken Writing Project SEED Teacher Development	84.367	07-SC12SEED2012	6,631
2014-2015 Seed Professional Development in a High-Need School	84.367	92-SC06SEED2012	19,724
2014-16 NWP SEED Teacher Leadership Development Grant - Santee Wateree Writing Project	84.367	92-SC06SEED2012	8,611
2014-16 NWP SEED Teacher Leadership Development Grant - Midlands Writing Project	84.367	92-SC05SEED2012	16,503
National Writing Project University of California	84.367	92-SC07SEED2012	9,598
<b>South Carolina Commission on Higher Education</b>			
Expanding Nature-Based Inquiry Opportunities in Elementary Science Education	84.367	SCCHE/USDE	25,256
PRIME TIME on Achievement: Projects for Rigorous Instruction in Mathematics Education with Technology Integration for Maximum Effect on Achievement	84.367	SC CHE	21,984
PRIME TIME on Achievement: Projects for Rigorous Instruction in Mathematics Education			
Nature-Based Inquiry Utilizing a STEAM Approach (NBI)	84.367	SC CHE	61,653
Life Science Connections	84.367	SC CHE	12,245
<b>South Carolina Department of Education</b>			
SC Gateways: From Cradle to Career 2014	84.323	H63010013313	57,752
SC Gateways: From Cradles to Career	84.323	H63010013314	34,568
Evaluation of SC Gateways: From Cradle to Career	84.323	SC DOE	115,466
STEM Forward: Building High Impact Talent	84.366	H63010008213	128,419
STEM Forward: Building High Impact Talent	84.366	H63010008214	241,723
STEP: Science Teaching Enhancement Project 2014-15	84.366	H63010008214	15,188
STEP: Science Teaching Enhancement Project 2014-15	84.366	H63010008214	95,996
Project CREATE MAT Program 2013-2014	84.367	H63010006814	11,955
Project Create	84.367	H63010006815	4,994
<b>University of Oregon</b>			
Advancing School Mental Health and PBIS Together (Subcontract)	84.326	224440L	30,780
<b>Sumter School District</b>			
Autism Consultation Services	84.999	SUMTER SCH DIST	6,490
Autism Consultation Services	84.999	SUMTER SCHOOL D	6,594
<b>College of Charleston</b>			
Postsecondary Education Subcontract	84.407	520875-USC	41,138
<b>Total U.S. Department of Education</b>			<b>3,049,885</b>
<b>U.S. Department of Health and Human Services</b>			
Preventive Medicine and Public Health Training Program	93.117	D33HP26995-01	98,597
Traineeships for Nurse Anesthesia 2014	93.124	A22HP27128-01-0	30,895
South Carolina HIV/AIDS Clinical Training Center	93.145	T236472	32,729
South Carolina AETC Telehealth Training Center	93.145	H4AHA24082A0	183,390
Economic Studies of Vaccines and Immunization Policies, Programs, and Practices for Adults	93.185	HIP000851A	74,351
Screening, Brief Intervention, and Referral to Treatment (SBIRT) Medical Professional Training Program	93.243	13T1025374A	328,786
Training for Transitions: Preparedness for Behavioral Health Social Workers (TFT)	94.243	G02HP27995	73,289
Geriatric Academic Career Award (2010-2015)	93.250	K01HP20505AC	12,149
Geriatric Academic Career Award (2010-2015) Year 5	93.250	K01HP2050505AC	52,311
South Carolina Poison Center Support and Enhancement Project	93.253	H4BHS15545	207,354
HPV-Mediated Cancer health Prevention Education for Women Living with HIV Pilot Study	93.398	KCA175239A	120,901
MIECHV-Expansion Childrens Trust 2014-2015	93.505	CHILDREN'S TRUST	108,235
South Carolina Public Health Training Center Non-Competing Continuation Year 4 (9-1-13- tp 8-31-14)	93.516	UB6HP20187A0	24,909
South Carolina University Center for Excellence in Developmental Disabilities	93.632	90DD067303	532,874
Biomedical-Behavioral Interface: Prevention and Developmental Sciences Training	93.859	TGM081740B	251,459
IPA: Health Resources and Service Administration	93.884	IPIPA14HRS12849	26,945
Palmetto State Geriatric Education Center II	93.969	UB4HP19212A0	3,326
Palmetto State Geriatric Education Center II	93.969	UB4HP19212A0	6,406
Palmetto State Geriatric Education Center II	93.969	UB4HP19212A0	45,939
Palmetto State Geriatric Education Center II	93.969	UB4HP19212A0	105
Palmetto State Geriatric Education Center II (Not a new Proposal)	93.969	UB4HP19212A0	265,070
Palmetto State Geriatric Education Center II	93.969	UB4HP19212A0	9,197
Academic Detailing for the CHIPRA Quality Demonstration Grant (QTIP Extension)	93.999	A20161644A	28,978
Beyond the Spectrum: Promoting the Use of NLM among South Carolinians Impacted by Autism Spectrum Disorders	93.999	U OF MARYLAND	5,000
IPA: HRSA-Jihong Liu (Extension)	93.999	IPIPA15HRS14475	18,872
<b>Passed through programs from:</b>			
<b>American International Health Alliance</b>			
University of West Indies (UWI), Jamaica/University of South Carolina Twinning Project Partnership to Support Infectious Disease Post-Graduate Fellowship Training at UWI	93.999	HF0IAM1499TRSCW	10,836
<b>Developmental Disabilities Council</b>			
IMPACT SC Self-Advocacy Initiatives	93.630	03-21-0055	416
<b>Emory University</b>			
South Carolina HIV/AIDS Clinical Training Center (AETC) Basic Grant	93.145	T066364	261
South Carolina HIV/AIDS Clinical Training Center	93.145	T236438	147,152

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
<b>Passed through programs from:</b>			
<b>Francis Marion University</b>			
Department of Health and Human Services Grant for a Branch Medical Campus of the SOM in Florence, SC	93.999	FRANCIS MARION	741,748
<b>Greenville Hospital System</b>			
Medical Education/Medicaid Enhanced Teaching	93.998	Greenville Hosp	37
<b>Low Country Healthcare System</b>			
Savannah River Rural Health Network for the Planning Grant Evaluation	93.999	LOW COUNTRY HLT	7,389
<b>McKing Consulting Corporation</b>			
Development of Communication Strategy for Surgeon General's Call to Action on Walking	93.999	USC-01-4568	24,572
Development of Communication Strategy for Surgeon General's Call to Action on Walking	93.999	USC-02-4568	7,625
<b>Richland Community Health Partners and Healthy SC Initiative</b>			
Healthy SC Initiative Tobacco Free Campus	93.531	RICHLAND COUNTY	6,989
<b>South Carolina Lieutenant Governor's Office on Aging</b>			
Prevention and Public Health Fund Chronic Disease Self-Management Education Grant	93.734	90CS0030/01	11,244
Tomando Control de su Salud (Taking Care of Your Health) Program	93.734	90CS0030/01	517
Prevention and Public Health Fund Chronic Disease Self-Management Education Grant	93.734	90CS0030/01	13,652
<b>South Carolina Research Foundation</b>			
Smoking Cessation for Adolescents	93.393	1R01CA140576-01	62,048
South Carolina AETC Telehealth Training Center	93.145	H4AHA24082A0	7,486
Integrative Medicine to Advance Curricula in Preventive Medicine Residencies	93.117	IMOHP25101A0	7,453
Leave No Qualified Nursing Student Behind (Nursing Workforce Diversity)	93.178	D19HP19021A0	30,000
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	UDD000945A	41,919
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	UDD000945A	27,255
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	000945DD14	259,299
Improving the Health of People with Disabilities through State Based Public Health Programs	93.184	000945DD14	35,567
South Carolina Poison Center Support and Enhancement Project	93.253	5H4BHS155450400	33,736
The South Carolina Oral Health Safety Net Enhancement Portfolio: Improving Access to Care through Innovative Oral Health Workforce Approaches	93.236	1T12HP24722A0	130,516
HRSA Oral Health Workforce Year Three	93.236	T12HP24722O	248,132
PASOs for Parents Triple P Program (2013-2014)	93.590	04-13-CBCAP-2	15,933
PASOs for Parents Triple P Program 2015	93.590	04-14-CBCAP-3	21,507
Home CARE + (Health Care Innovation Challenge Award)	93.610	1C1CMS331014A	20,174
HOME CARE - Healthcare Innovation Challenge Award	93.610	1C1CMS331014A	1,211,084
South Carolina University Center for Excellence in Developmental Disabilities	93.632	90DD067302	1,092
CITIA-SC: Creating a Healthier South Carolina Through Health Information Technology	93.718	90RC0047	596,850
<b>Medical University of South Carolina</b>			
Leadership Education in Neurodevelopmental and Related Disorders (LEND) Subcontract	93.110	MUSC11-102	(1,239)
Leadership Education in Neurodevelopmental and Related Disorders (LEND) Subcontract	93.110	MUSC11-102	98,354
Pediatric Metrics	93.884	MUSC13-058	26,349
Pediatric Metrics	93.884	MUSC 16-058	25,113
<b>South Carolina Cancer Alliance</b>			
A Fecal Immunochemical Testing (FIT) Program for Colorectal Cancer Screening in South Carolina	93.393	SC CANCER ALLIA	22,806
A Dissemination Project to Advance Lung Cancer Screening in SC	93.393	SC CANCER ALLIA	34,732
<b>South Carolina Court Administration</b>			
Court Improvement Training Grant	93.586	SC COURT ADM/HH	94
Court Improvement Training Grant	93.586	2014G9913	127,501
Court Administration Basic Grant	93.586	2014G996437	142,793
Court Improvement Basic Grant	93.586	SC COURT ADM/HH	7,567
<b>South Carolina Department of Health and Environmental Control</b>			
SC DHEC Bioterrorism Project	93.069	DC-13-001	123,000
ECCS-PASOs Partnership	93.110	CH-5-473	7,358
Behavioral Risk Factor Surveillance Survey	93.283	4100042303	355,814
South Carolina Children's Health Assessment Survey	93.724	ANE-2013-05	15,119
Childs Health Assessment System (CHAS)	93.724	CY-15-013	18,119
Creating Healthy Environments at Child Care Centers in Florence County	93.758	CY-5-578	12,543
Ryan White HIV/AIDS Treatment Extension Act - SC ADAP Insurance	93.917	4400000514	15,493
Ryan White HIV/AIDS Treatment Extension Act - Part B. Base	93.917	HV-4-791	2,283,833
Ryan White HIV/AIDS Treatment Extension Act - Part B. Base (Emerging Communities)	93.917	HV-4-791	162,024
Ryan White HIV/AIDS Treatment Extension Act - Part B Base (Minority Aids Initiative)	93.917	HV-4-791	48,353
Ryan White HIV/AIDS Treatment Extension Act - SC ADAP Insurance	93.917	HV-4-791	519,723
Ryan White HIV/AIDS Treatment Extension Act - SC ADAP Insurance (Year 2)	93.917	HV-4-791	348,343
Ryan White HIV/AIDS Treatment Extension Act - Part B Supplemental Funds	93.917	HV-4-791	134,672
Ryan White HIV/AIDS Treatment Extension Act - Part B Base	93.917	SC DHEC	431,836
Ryan White HIV/AIDS Treatment Extension Act - Ryan White Park B (Emerging Communities)	93.917	DHEC	49,727
Ryan White HIV/AIDS Treatment Extension Act - Part B (Minority AIDS Initiative)	93.917	DHEC	12,828
Perinatal HIV Prevention: Comprehensive Risk Counseling and Services	93.940	HV-2-728	44,176
Perinatal HIV Prevention: Comprehensive Risk Counseling and Services	93.940	HV-2-728	41,409
Physical Activity and Nutrition for Home Childcare - Sub-Contract with DHEC	93.945	CY-14-016	63,989
Pregnancy Risk Assessment Monitoring Systems	93.946	4100031742	21,959
SC DHEC Maternal and Child Health Title V Needs Assessment	93.994	MC-15-009	24,874
SC DHEC Environmental Public Health Tracking Project	93.999	PH-4-476	1,909
SC DHEC Environmental Public Health Tracking Project	93.999	PH-5-554	20,000
State Oral Health Plan Technical Assistance	93.999	MC-014-13	7,300

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Department of Health and Human Services, continued</b>			
Ryan White Part D Coordinated HIV Services and Access to Research for Women, Infants, Children, Youth, and Their Families (CSWICY) - Women's Clinic	93.153	HV-4-123	35,817
Ryan White Part D Coordinated HIV Services and Access to Research for Women, Infants, Children, Youth, and Their Families (CSWICY) - Women's Clinic	93.153	HV-5-277	350,650
SC DHEC Div of STD/HIV 13/14	93.153	HV-4-122	15,987
SC DHEC of STD/HIV 14-15	93.153	HV-5-276	156,529
DHHS Statewide Business Protocol Redesign Implementation	93.796	A201511635A	2,934,505
Academic Detailing for the CHIPRA Quality Demonstration Grant (QTIP Project)	93.999	A51644A	102,639
SCDHHS Environmental Scan of SC Healthcare Providers' Adoption and Use of Certified HER Technology	93.999	A201511647A	8,852
SCDHHS Environmental Scan of SC Healthcare Providers' Adoption and Use of Certified HER Technology	93.999	A201511647A	38,337
<b>South Carolina Department of Social Services</b>			
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (Child Welfare Training)	93.648	TO3	29,802
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (2014-2015) Child Welfare Training	93.648	TO3	1,811,701
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (Enhancing Youth Leadership Skills: (GOALL)	93.648	TO#4	25,045
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (2014-2015) Enhancing Youth Leadership Skills	93.648	TO#4	244,982
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (Facilitation of Limited English Proficiency Programs)	93.648	TO5	8,330
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (2014-2015) Facilitation of Limited English Proficiency Programs)	93.648	TO5	511,235
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (Facilitation of the SC Citizens Review Panel)	93.648	TO6	4,215
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (2014-2015) Facilitation of the SC Citizens Review Panel	93.648	TO#6	102,425
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (Economic Services Training)	93.648	TO8	21,672
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (2014-2015) Economic Services Training	93.648	TO#8	987,053
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (Adult Protective Services Training)	93.648	TO9	2,572
USC - DSS Purchase of Social Work Training for DSS Staff and Agents (2014-2015) - Adult Protective Services Training	93.648	TO#9	443,199
USC-DSS: Purchase of Social Work Training for DSS Staff and Agents. (2014-2015) - Leadership Training	93.648	TO#10	530,696
South Carolina Department of Social Services (Court Liaison Initiative - 2012-2013)	93.658	#CLC4	(1,419)
DSS Task Order #8: Data Projects	93.658	TO CLC#8	(55)
DSS Task Order #1: Child Welfare Training	93.658	TO #CLC1	(525)
DSS Task Order #5: Child Abuse/Neglect Investigations	93.658	CLC5	56,438
DSS Task Order #4: Court Liaison Initiative	93.658	TASK ORDER CLC4	576,303
DSS Task Order #6: Children's Justice Act - Operation of CLC (2014-2015)	93.658	DSS/HHS	158,496
DSS Task Order #5: Child Abuse/Neglect Investigations Training (2014-2015)	93.658	CLC5	301,522
DSS Task Order #1: Child Welfare Training (2014-2015)	93.658	CLC1	1,089,009
DSS Task Order #3: Training for External Community, Law School Courses, Consultation, and Special Projects (2014-2015)	93.658	CLC3	223,705
DSS Task Order#7: Support of CJA Task Force	93.658	CLCL	66,853
DSS Task Order #8: Children's Data Projects	93.658	DSS/HHS	61,341
DSS Task Order #4: Court Liaison Program (1/1/15-12/31/15)	93.658	TO CLC4	587,864
DSS Task Order #CLC1: Child Welfare Training (2015-2016)	93.658	RISK	293,662
Training and Special Events to Improve the Quality of Child Care for South Carolina Families 2013-14	93.999	DSS/HHS	90,985
SC Program for Infant/Toddler Care Professional Development Network Extension	93.999	DSS/HHS	134,581
South Carolina Program for Infant/Toddler Care - Infant - Toddler Specialist Network (2013-14)	93.999	DSS/HHS	8,543
Management & Administration of the Child Care Resource & Referral Network 2015-2016	93.999	5000011358	254
Training and Special Events to Improve the Quality of Child Care for South Carolina Families 2013-14	93.999	DSS/HHS	31,565
<b>Palmetto Project</b>			
Partnerships to Increase Coverage in Communities (PICCI): ACA Navigators	93.332	1NAVACA14019101	28,498
<b>Passed through programs from:</b>			
<b>South Carolina Developmental Disabilities Council</b>			
Autism Diagnostic Services	93.630	03-21-0069	(92)
South Carolina Secondary Transition and Employment Advancement (SC-Team)	93.630	03-21-0001	32
Conference Grant: "Educating Next Generation Genetic Counselors"	93.630	04-21-0069	2,484
Expansion of the Transition Alliance of South Carolina (TASC)	93.630	04-21-0027	130,919
South Carolina Assistive Technology Expo 2015	93.630	01-21-0079	2,500
South Carolina Secondary Transition and Employment Advancement Model (SC-TEAM)	93.630	04-21-0001	105,960
IMPACT SC Self-Advocacy Initiatives	93.630	04-21-0055	21,235
<b>South Carolina Office of Rural Health</b>			
Medicare Rural Hospital Flexibility, FLEX Program	93.241	SC OFF OF RURAL	7,075
<b>South Carolina Rural Health Research Center</b>			
Medicare Rural Hospital Flexibility, FLEX Program	93.241	SC RURAL HLTH	11,342
<b>South Carolina Tobacco Collaborative</b>			
Promotores (Community Health Workers) Curriculum & Cultural Competency Training for Providers	93.311	SC TOBACCO COLL	103,007
<b>South Carolina Tobacco-Free Collaborative</b>			
Healthy Carolina Communities Grant	93.531	1U58DP003583-10	1,642
Healthy Carolina Communities Grant	93.531	1U58DP003583-10	2,500
Healthy Carolina Communities Grant	93.531	1U58DP003583-10	2,505
Healthy Carolina Communities Grant	93.531	1U58DP003583-10	2,179
Healthy Carolina Communities Grant	93.531	1U58DP003583-10	2,070
Healthy Carolina Communities Grant	93.531	1U58DP003583-10	833

**University of South Carolina**  
**Schedule of Expenditures of Federal Awards**  
**For the year ended June 30, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of Health and Human Services, continued</b>			
<b>Passed through programs from:</b>			
<b>The Children's Hospital of Philadelphia</b>			
COG Nurse Traineeship Work Order	93.999	961245-RSUB	9,000
<b>The Children's Trust</b>			
Children's Trust Support for Expectant and Parenting Teens, Women, Fathers and their Families (PAF) Program Evaluation	93.500	CHILDREN'S TRUS	135,074
The Evaluation of the Expansion of the Maternal, Infant, and Early Childhood Home Visiting Program in S.C.	93.505	CHILDREN'S TRUS	227,821
Evaluation of the Maternal, Infant and Early Childhood Home Visitation Program 2013-2014	93.615	CHILDREN'S TRUS	48,787
Children's Trust Maternal, Infant, and Early Childhood Home Visiting Program	93.615	CHILDREN'S TRUS	101,736
<b>University of Maryland</b>			
History of USC School of Medicine	93.999	428	8,865
<b>Upper Midlands Rural Health Network</b>			
Upper Midlands Rural Health Network Rural Health HIT Network Development Grant	93.912	UMRHN/HRSA	159
Upper Midlands Rural Health Network Rural Health HIT Network Development Grant	93.912	UMRHN/HRSA	3,074
UPPER Midlands Regional Health Network 2014-2017	93.999	UMRHN/HRSA ORHP	13,166
UPPER Midlands Regional Health Network 2014-2017	93.999	UMRHN/HRSA ORHP	6,101
<b>Total U.S. Department of Health and Human Services</b>			<b>24,536,864</b>
<b>U.S. Department of Agriculture</b>			
Technical Assistance for Conservation-Related Database Applications	10.902	68-4532-13-001	24,688
<b>Passed through programs from:</b>			
<b>Clemson University</b>			
Subaward: A Social Ecological Approach to Encourage and Assist Residents to Eat Smart and Move More in Rural Colleton County	10.500	17542072010372	8,386
<b>South Carolina Research Foundation</b>			
Video Coverage for Providing Diversity in Cropping Systems to Improve Soil Health	10.903	68-7482-11-535	21,496
<b>South Carolina Department of Social Services</b>			
USDA Food Service Program	10.558	C10298F	(8,713)
DSS SNAP - ED Evaluation	10.999	4400010389	6,407
<b>Total U.S. Department of Agriculture</b>			<b>52,264</b>
<b>U.S. Department of Defense</b>			
Procurement Technical Assistance Program for Business Films	12.002	SP4800-14-21482	28,007
Procurement Technical Assistance Program for Business Films	12.002	SP4800-14-21482	74,327
Meeting Executive Order Environmental and Energy Management Goals through Navy EMS Integration and BUMED EMS Applications	12.300	W9126G-12-20039	98,448
NROTC Educational Instruction Calculus and Physics	12.999	US NAVY/DOD	1,720
<b>Passed through programs from:</b>			
<b>Academy of Applied Science</b>			
DOD SC Junior Science and Humanities Symposium FY 2014	12.630	AAS/DOD	47
DOD SC Junior Science and Humanities Symposium FY 2015	12.630	W900NF10-20076	13,520
<b>South Carolina Research Foundation</b>			
DOD SC Junior Science & Humanities Symposium 2013	12.630	W911NF-10-20076	258
<b>Total U.S. Department of Defense</b>			<b>216,327</b>
<b>U.S. Department of Housing and Urban Development</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Department of Health and Environmental Control</b>			
Ryan White HIV/AIDS Treatment Extension Act - Part B (Supportive for Persons with in the Columbia EMSA)	14.241	HV-11-052	38,116
Ryan White HIV/AIDS Treatment Extension Act - Part B (Supportive Housing Services HOPWA-SCDHEC-HUD)	14.241	SC DHEC	10,000
<b>City of Columbia</b>			
Housing Opportunities for Persons with AIDS (HOPWA)	14.241	City of COLA	2,753
HOWPA Case Management, Mental Health and Substance Abuse Services in the Columbia EMSA	14.241	CITY OF COLUMBIA	457,406
Case Management, Mental Health and Substance Abuse Services for Persons with HIV in the Columbia EMSA	14.241	CITY OF COLUMBIA	2,048
<b>Total U.S. Department of Housing and Urban Development</b>			<b>510,323</b>
<b>U.S. Department of Interior</b>			
Operation of the Mid-America Integrated Seismic Network - 2015-2019- USC	15.807	G15AC00022	14,279
Preserving Fields of Conflict Battlefield Preservation Workshop	15.926	P13AP001060001	6,069
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
Operation of the Mid-America Integrated Seismic Network - 2010-2014 - USC	15.807	G10AC00073	84,189
<b>Congaree National Park</b>			
Congaree National Park Curriculum Development Project	15.999	CONGAREE NAT'L P	2,500
<b>Total U.S. Department of Interior</b>			<b>107,037</b>
<b>U.S. Department of Justice</b>			
SC Higher Education Partnership on Correctional Mental Health (full proposal)	16.751	2014-DP-BX-0001	59,119
<b>Passed through programs from:</b>			
<b>City of Columbia</b>			
The Columbia Police Department Smart Policing Initiative	16.751	CITY OF COLUMBIA	24,145
<b>South Carolina Department of Public Safety</b>			
Multi-Agency Team Project	16.523	1JS10004	1
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	1JS11006	78,331
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	1JS10011	7,175
Statewide Initiative to Reduce the Institutionalization of Status Offenders	16.523	SC D PUBLIC SAF	24,708
<b>Total U.S. Department of Justice</b>			<b>193,479</b>

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>U.S. Department of State</b>			
Media Training - Russia	19.999	S-RS500-13GR182	111,050
<b>Passed through programs from:</b>			
<b>Jessheim Videregaende Skole</b>			
U.S - Norway Teacher Exchange: 2014 Southern Heritage Study Tour	19.999	JVS/USDEPTSTATE	6,805
<b>South Carolina Research Foundation</b>			
University of South Carolina Journalism School Partnership Project with the Caucasus School of Journalism and Media Management	19.999	SLMAQM10GR041VT	34,570
<b>Total U.S. Department of State</b>			<b>152,425</b>
<b>U.S. Department of Transportation</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Department of Transportation</b>			
Buckle Up South Carolina Observational Survey and Attitudinal Survey	20.614	4100059586	23,450
Buckle Up South Carolina Observational Survey and Attitudinal Survey	20.614	4100059586	22,811
<b>South Carolina Department of Public Safety</b>			
Buckle Up South Carolina Observational Survey and Attitudinal Survey	20.215	DPS/NHTSA/DOT	11,768
Buckle Up South Carolina Observational Survey and Attitudinal Survey	20.215	DPS/NHTSA/DOT	2,527
<b>South Carolina Department of Archives and History</b>			
Administrative Services for ArchSite II	20.999	SCDAH/DOT	11,982
<b>Total U.S. Department of Transportation</b>			<b>72,538</b>
<b>Library of Congress</b>			
<b>Passed through programs of:</b>			
<b>National Film Preservation Foundation</b>			
National Film Preservation Foundation Basic Preservation Grant: Gleason Collection	42.999	FED14-028	2,525
<b>Total Library of Congress</b>			<b>2,525</b>
<b>National and Community Service</b>			
<b>Passed through programs from:</b>			
<b>United Way Association of South Carolina</b>			
USC Aiken AmeriCorps Saturday Academy - SC Commission Grant	93.999	14AC156643	146,255
<b>Total National and Community Service</b>			<b>146,255</b>
<b>National Endowment for the Arts</b>			
Master Potters of the Catawba Indian Pottery Tradition	45.024	NAT'L ENDOW ART	11,811
<b>Total Endowment for the Arts</b>			<b>11,811</b>
<b>National Endowment for the Humanities</b>			
Plants and Planter: Henry William Ravenel and the Convergence of Science and Agriculture in the Nineteenth Century South	45.149	PW-51607-14	32,508
Plants and Planter: Henry William Ravenel and the Convergence of Science and Agriculture in the Nineteenth Century South	45.149	PW-51607-14	28,348
American Civil Wars: The Crisis of the 1860s in the US, Latin America, and Europe	45.161	RZ5152213	11,506
America's Reconstruction: The Untold Story	45.163	ES-50571-14	96,555
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
South Carolina Newspaper Digitization Project	45.149	PJ-50046-09	201,205
Fox Movietone News Digitization Project, Phase 1	45.149	PW-51427-13	66,449
<b>South Carolina Humanities Council</b>			
After the War is Over: Civilian Life Post-Military Service	45.999	15-1613-2	500
<b>Total National Endowment for the Humanities</b>			<b>437,071</b>
<b>Institute of Museum and Library Services</b>			
<b>Passed through programs of:</b>			
<b>South Carolina State Library</b>			
South Carolina Digital Library: Ongoing Initiative	45.310	IIF-13-01	2,433
South Carolina Digital Library: Ongoing Initiative 2014-2015	45.310	IIF-13-01	18,529
<b>South Carolina Research Foundation</b>			
Institute of Museum and Library Services (IMLS)	45.312	LG-65-12-0649	(1)
Cultural Heritage Informatics Leadership (CHIL): An Experiment in Responsive Doctoral Studies	45.313	RE02-10-0008-10	119,605
<b>Total Institute of Museum and Library Services</b>			<b>140,566</b>
<b>National Science Foundation</b>			
Estimation of Time or Cycles to Failure of Aging Components & Systems: Deterministic and Stochastic Models of Fatigue with or without NDE Data on Defect Growth and Load Estimation	47.041	1441642	1,007
Women in Science (Wi-Sci) Support Network in STEM Disciplines	47.049	1317771	3,120
REU Site: Undergraduate Research in Physics at the University of South Carolina	47.049	1263047	73,016
Twenty-Eighth Cumberland Conference on Combinatorics, Graph Theory, and Computing	47.049	1500991	14,549
Collaborative Research: Equipment for and Running of the PSI Muse Experiment	47.049	1401974	19,420
Enabling the Future: Scholarships in Computational Finance	47.076	1259283	82,729
Developing Master Teachers through the South Carolina Science and Mathematics Teacher Leader (SC-SMTL) program	47.076	1439842	15,709
Developing Master Teachers through the South Carolina Science and Mathematics Teacher Leader (SC-SMTL) program	47.076	1439842	254,216

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, 2015**

Federal grantor/pass-through grantor/program title	Federal CFDA number	Grant number	Expenditures
<b>National Science Foundation, continued</b>			
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
Services Activities for NEES Simulation Sub-Committee	47.041	0927178	41,426
SC Graduate Steps to STEM	47.076	0850208	121,794
SC Graduate Steps to STEM	47.076	0653164	19,600
University of South Carolina Science and Mathematics Teachers Initiative (USC-SMTI)	47.076	1035379	8,139
University of South Carolina Science and Mathematics Teachers Initiative (USC-SMTI)	47.076	1035379	286,357
Subaward: Winthrop Initiative for STEM Educators (WISE)	47.999	P1400749	13,708
<b>South Carolina Research Foundation</b>			
<b>University of Minnesota</b>			
Visiting professor - University of Minnesota: Discrete Structures: Analysis and Application	47.049	00002006260	22,000
Visiting professor - University of Minnesota: Discrete Structures: Analysis and Application	47.049	00002006261	22,000
<b>Total National Science Foundation</b>			<b>998,790</b>
<b>National Archives and Record Administration</b>			
Enhance Access to Manuscript Collections in the South Carolinian Library	89.003	NAR13RH50054-13	47,435
<b>Total National Archives and Record Administration</b>			<b>47,435</b>
<b>Small Business Administration</b>			
SBDC Renewal for Recipient Organizations - CY 2013 (USC)	59.037	3603001Z0043C	6,731
Office of Small Business Development Centers Program Announcement - 2014 (State Director's Office)	59.037	4603001EZ0051A	162,951
Office of Small Business Development Centers Program Announcement - 2014 (USC)	59.037	4603001EZ0051A	47,011
South Carolina Small Business Development Center 2013 Carry-Over Project (USC)	59.037	SBAHQ-14-B0027	44,786
Office of Small Business Development Centers Program Announcement-2015 (USC)	59.037	SBA	451,447
Office of Small Business Development Centers Program Announcement-2015 (State Director's Office)	59.037	SBA	229,031
<b>Total Small Business Administration</b>			<b>941,957</b>
<b>U.S. Department of Energy</b>			
Proposal for Continuation of Contract for DOE-SR Public Reading Room at the University of South Carolina Aiken	81.049	0000121617	37,839
<b>Passed through programs from:</b>			
<b>South Carolina Research Foundation</b>			
DOE Nuclear Engineering Scholarship and Fellowship Program at USC	81.121	DE-NE0000095	47,436
Nuclear Engineering Scholarship and Fellowship Program (NEUP) at USC	81.121	DE-NE0000095	29,101
<b>South Carolina Universities Research and Education Foundation</b>			
Earthquake Monitoring in South Carolina	81.999	B139004	165,838
<b>SRS Community Reuse Organization</b>			
SRSCRO Advancing Nuclear Skills Regionally (ANSR) Salkehatchie	81.123	DE-EM0001232	101,560
Development and Implementation of an Enhanced Biology Degree in Environmental Remediation and Restoration	81.214	DE-EM0001232	193,355
<b>University of Georgia</b>			
SREL/USCA Internships in Radioecology	81.003	RR267400/494050	406
<b>University of Tennessee</b>			
Subaward: Virtual Training Demonstration Project	81.999	A14-0519-S001	849
<b>Total U.S. Department of Energy</b>			<b>576,384</b>
<b>U.S. Department of Veterans Affairs</b>			
VA Attending Veterinarian Agreement	64.999	WJB DORN VA	14,645
<b>Total U.S. Department of Veterans Affairs</b>			<b>14,645</b>
<b>U.S. Department of Homeland Security</b>			
FY 2012 Fire Prevention and Safety Grant	97.044	EMW-2012FP01373	3,953
<b>Total U.S. Department of Homeland Security</b>			<b>3,953</b>
<b>Total Federal Expenditures</b>			<b>\$ 476,976,909</b>

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## University of South Carolina

### *Notes to Schedule of Expenditures of Federal Awards* *For the year ended June 30, 2015*

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

The accompanying schedule of expenditures of federal awards (the schedule), includes the federal grant activity of the University of South Carolina (the University), and is presented on the accrual basis of accounting. The information in the schedule is presented in accordance with the requirements of Office of Management and Budget (OMB) Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Therefore, some amounts presented in the schedule may differ from amounts presented in, or used in, the preparation of the basic financial statements.

#### **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*. Under these cost principles, 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, 2015 were based on predetermined fixed rates negotiated with the University's cognizant federal agency.

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

The Federal Perkins Loan (FPL) program is administered directly by the University and balances and transactions relating to the program are included in the University's financial statements. The balance of loans outstanding under the FPL program was \$18,037,130 as of June 30, 2015.

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

Under the FWS program, the University matched \$404,564 in total compensation for the year ended June 30, 2015, in addition to the federal share of expenditures in the accompanying schedule.

Under the FSEOG program, the University matched \$398,023 in funds awarded to students for the year ended June 30, 2015, in addition to the federal share of expenditures in the accompanying schedule.



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**University of South Carolina****Notes to Schedule of Expenditures of Federal Awards  
For the year ended June 30, 2015**

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**Note 5. Subrecipients**

Of the federal expenditures presented in the schedule, the University provided federal awards to subrecipients as follows for the year ended June 30, 2015:

<u>Federal granting agency</u>	<u>Federal CFDA number</u>	<u>Amount provided to subrecipients</u>
U.S. Department of Agriculture	10.RD	\$ 36,043
Total U.S. Department of Agriculture		<u>36,043</u>
U.S. Department of Commerce	11.RD	312,709
Total U.S. Department of Commerce		<u>312,709</u>
U.S. Department of Defense	12.RD	504,704
Total U.S. Department of Defense		<u>504,704</u>
U.S. Department of Interior	15.RD	1,631
Total U.S. Department of Interior		<u>1,631</u>
National Aeronautics and Space Administration	43.RD	135,876
Total National Aeronautics and Space Administration		<u>135,876</u>
National Endowment for the Humanities	45.310	2,125
Total National Endowment for the Humanities		<u>2,125</u>
National Science Foundation	47.RD	277,023
	47.076	2,250
Total National Science Foundation		<u>279,273</u>
U.S. Department of Energy	81.RD	1,028,866
Total U.S. Department of Energy		<u>1,028,866</u>
U.S. Department of Education	84.RD	322,592
Total U.S. Department of Education		<u>322,592</u>
U.S. Department of Health and Human Services	93.RD	5,740,369
	93.145	10,184
	93.184	31,184
	93.185	33,450
	93.236	247,959
	93.250	50,427
	93.575	16,500
	93.615	5,818
	93.630	12,639
	93.658	38,375
	93.718	473,003
	93.778	259,366
	93.917	1,333,316

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**University of South Carolina****Notes to Schedule of Expenditures of Federal Awards****For the year ended June 30, 2015**

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**Note 5. Subrecipients, Continued**

<u>Federal granting agency</u>	<u>Federal CFDA number</u>	<u>Amount provided to subrecipients</u>
U.S. Department of Health and Human Services (continued)	93.969	98,695
	93.999	<u>2,925,127</u>
Total U.S. Department of Health and Human Services		<u>11,276,412</u>
U.S. Department of Homeland Security	97.RD	<u>473,533</u>
Total U.S. Department of Homeland Security		<u>473,533</u>
Grand Total		<u>\$ 14,373,764</u>

**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, 2015, and the related notes to the financial statements, which collectively comprise the University's basic financial statements, and have issued our report thereon dated October 16, 2015. Our report includes a reference to other auditors who audited the financial statements of the University of South Carolina School of Medicine Educational Trust (the Trust); South Carolina Research Foundation; the University of South Carolina Educational Foundation; the University of South Carolina Business Partnership Foundation; the Greater University of South Carolina Alumni Association; the USC Upstate Foundation; the USC Upstate Capital Foundation; and the Educational Foundation of the University of South Carolina-Lancaster, (collectively referred to as the Trust and the Foundations), as described in our report on the University's financial statements. This report does not include the results of the other auditors' testing of internal control over financial reporting or compliance and other matters that are reported on separately by those auditors. The financial statements of the Foundations, excluding the South Carolina Research Foundation, were not audited in accordance with *Government Auditing Standards*.

**Internal Control Over Financial Reporting**

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

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

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies and therefore, material weaknesses or significant deficiencies may exist that were not identified. 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  
October 16, 2015

**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 OMB Circular A-133**

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 Circular A-133 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, 2015. 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 \$30.7 million in federal awards which is not included in the schedule during the year ended June 30, 2015. 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 OMB Circular A-133.

***Management's Responsibility***

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

***Auditor's Responsibility***

Our responsibility is to express an opinion on 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 OMB Circular A-133, *Audits of States, Local Governments, and Non-Profit Organizations*. Those standards and OMB Circular A-133 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, 2015.

### **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 OMB Circular A-133, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the University's internal control over compliance.

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

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

The purpose of this report on internal control over compliance is solely to describe the scope of our testing of internal control over compliance and the results of that testing based on the requirements of OMB Circular A-133. Accordingly, this report is not suitable for any other purpose.

### **Report on Schedule of Expenditures of Federal Awards Required by OMB Circular A-133**

We have audited the financial statements of the business-type activities and the aggregate discretely presented component units of the University, a department of the State of South Carolina (the State), as of and for the year ended June 30, 2015, and the related notes to the financial statements, which collectively comprise the University's basic financial statements. We issued our report thereon dated October 16, 2015, which contained unmodified opinions on those financial statements. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by OMB Circular A-133 and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The 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 basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditure of federal awards is fairly stated in all material respects in relation to the basic financial statements as a whole.

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

Columbia, South Carolina  
October 16, 2015

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**University of South Carolina*****Schedule of Findings and Questioned Costs******For the year ended June 30, 2015***

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

- |      |  |               |
|------|--|---------------|
| (a.) | Type of auditor's report:  | Unmodified    |
| (b.) | Internal control over financial reporting:   |               |
| 1)   | Material weaknesses identified:  | No            |
| 2)   | Significant deficiencies identified that are not considered to be material weaknesses: | None reported |
| (c.) | Noncompliance material to financial statements noted:                                  | No            |

**Federal Awards**

- |      |  |               |
|------|--|---------------|
| (a.) | Internal control over major programs:  |               |
| 1)   | Material weaknesses identified:  | No            |
| 2)   | Significant deficiencies identified that are not considered to be material weaknesses:                   | None reported |
| (b.) | Type of auditor's report issued on compliance for major programs:  | Unmodified    |
| (c.) | Audit findings that are required to be reported in accordance with Section 510(a) of OMB Circular A-133: | No            |
| (d.) | Identification of major 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
93.658	Title IV-E Foster Care

- |      |  |             |
|------|--|-------------|
| (e.) | Dollar threshold used to distinguish between type A and type B Programs: | \$3,000,000 |
| (f.) | Auditee qualified as low risk auditee?                                   | Yes         |



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**University of South Carolina*****Schedule of Findings and Questioned Costs******For the year ended June 30, 2015***

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**II. Financial Statement Findings:**

None reported

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

None reported

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## University of South Carolina

### *Summary Schedule of Prior Audit Findings* *For the year ended June 30, 2015*

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#### **2014-1 - Omission of federal expenditures from the Schedule of Expenditures of Federal Awards; Noncompliance with matching requirements and questioned costs due to alleged fraud**

**CFDA title and number:** Manufacturing Extension Partnership #11.611

**Condition:** The University omitted approximately \$196,000 in expenditures for the Manufacturing Extension Partnership from the Schedule of Expenditures of Federal Awards for the year ended June 30, 2014. In addition, the University did not meet matching requirements of the grant. These conditions resulted from the University's decision to terminate its grant activities in May 2014 after it discovered questionable in-kind and payroll cost shares.

**Recommendation:** We recommend the University enact a regular review of all state awards to determine the source of funding. We also recommend the University implement controls to prevent vendors from being set up with duplicate addresses.

**Current status:** As of October 2015 the Center for Manufacturing Technology program remains under investigation. The University developed a new policy for state grants. Additional controls for the vendor file will be addressed as part of the OneCarolina Phase II project. Oracle/PeopleSoft is being implemented for the Human Resources, Payroll and Finance systems.