

Southern University and A&M College

*Office of
Sponsored Programs*

Grants NewsBrief

***Fiscal Year
2014-15***

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Submitted Proposals (July 1, 2014-June 30, 2015)

No.	Principal Investigator	Agency Name	Proposal Title	Amount
1	Abdollahi, Kamran	Genesis Energy, L.P.	Developing an Urban Forest Ecosystem Buffer Zone and Management Plan for Enhancing Genesis Energy Scenic Station Site	\$50,000.00
2	Abdollahi, Kamran	NSF	RII Track-2 FEC: Innovative Materials and Processes to Overcome Barriers to Sustainable Agro-Industrial Production at the Food/Water/Energy Nexus	\$53,200.00
3	Andrews, Donald	LSBDC	Louisiana Small Business Development Center - Baton Rouge	\$185,000.00
4	Bagayoko, Diola	LA BOR	Louisiana Alliance for Minority Participation Senior Alliance Statewide Office 2015-20 at SUBR	\$830,000.00
5	Bagayoko, Diola	LA BOR	Louisiana Alliance for Minority Participation Senior Alliance Institutional Agreement 2015-20 with SUBR	\$475,000.00
6	Batra, Sanjay	LSU	HDACs Regulate Inflammatory Responses against Microbial Toxins & CSE Exposure	\$50,000.00
7	Batra, Sanjay	BD Biosciences	Lipid Rafts Regulate Inflammasome Mediated Immune Responses Following Exposure to CSE and Microbial Toxins	\$10,000.00
8	Batra, Sanjay	NIH	NOD-Like Receptor Signaling is Critical to Secondhand Smoke-Induced Innate	\$43,500.00
9	Batra, Sanjay	NIH	NOD-Like Receptor Signaling is Critical to Secondhand Smoke-Induced Immunity...	\$8,120.00
10	Batra, Sanjay	NIH	Role of Class I HDACs in Staphylococcus Aureus Pneumonia	\$1,750,000.00
11	Batra, Sanjay	LSU	The Effect of Histone Deacetylases Inhibition on Cigarette Smoke Induced Autophagy	\$7,500.00
12	Batra, Sanjay	LSU	Lipid Rafts/NLR Protein Interactions in Response to Cigarette Smoke Exposure	\$22,375.00
13	Batra, Sanjay	LSU	Effect of HDAC Inhibition on the Epigenetics Markers at NF-kB and STAT3 Promoter in COPD	\$7,500.00
14	Batra, Sanjay	NIH	Role of Class I Histone Deacetylases in Staphylococcus Aureus Pneumonia	\$1,774,826.00
15	Bobba, Rambabu	DoD	Interfacial Electrochemistry Studies of Quasi Solid Electrolytes -5v Electrodes for High Performance and Safe Energy Storage Devices	\$600,000.00
16	Butler, Doze	USDA	Creating Cultural Competence and Enhancing Economic Development through Experiential Learning in Apparel Merchandising and Textiles	\$149,999.20
17	Diack, Moustapha	NSF	Targeted Infusion Project: Implementing and Evidence-based Model of Online Course Design and Delivery to Enhance Online Student Learning Outcomes in STEM Disciplines	\$367,937.00
18	Diack, Moustapha	LA BOR	Networked Virtual Labs for General Chemistry Education	\$15,925.00
19	Duncan, Cecil	US DHHS	The Alliance	\$878,742.00
20	Dutta, Alo	US DoEd	Rehabilitation Counselor Training Program with Specialization in Rehabilitation of Diverse Populations with Mental Impairment (RC-MI)	\$750,000.00

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21	Dutta, Alo	US DHHS	Cooperative Learning and Individualized Mentoring (CLAIM) to Build Self-Efficacy, Persistence and Goal Attainment in Postsecondary African American Students	\$600,000.00
22	Finley-Vincent, Rachel	LA BOR	Computer Aided Enhancement of Mathematics Instruction and Learning (CA-EMIL)	\$47,995.00
23	Gray, Wesley	LA BOR	Natural Products and Cancer	\$239,175.00
24	Gray, Wesley	LSU	Evaluating Therapeutic Effect of Kola Acuminate in Preclinical PCa Model	\$40,000.00
25	Gray, Wesley	NIH	Pathway to Success in BD2K at Southern University - A Cradle to the Grave Preparation Program	\$1,078,650.00
26	Gray, Wesley	Delta Sigma Theta Sorority, Inc.	2015-16 Distinguished Professor Endowed Chair Award	\$200,000.00
27	Gray, Wesley	LSU	IDEA Networks of Biomedical Research Excellence	\$5,250.00
28	Irvin, ValaRay	US DHHS	Jags Save a Life Campaign	\$102,000.00
29	Jana, Amitava	LA BOR	Enhancement of Mechanical Engineering Laboratories with Visualization, Design and Prototyping, and Mecatronics Equipment	\$53,408.00
30	Jana, Amitava	LA BOR	Research on High Temperature, Energy and Structural Materials - using Parallel Molecular Dynamics Simulation and Stereographic CAVE-based Visualization	\$125,370.00
31	Jerro, H. Dwayne	US DOE	Consortium for Research on the Science and Engineering of Signatures (ROSES)	\$286,406.94
32	Johnson, Ebonee	US DHHS	Socioeconomic and Behavioral Determinants of Mortality by Race and Income	\$15,000.00
33	Khosravi, Ebrahim	Best Buy Foundation	SUBR Teen Tech Summer Camp Program	\$167,785.00
34	Khosravi, Ebrahim	NASA	TETRA-II: An Experiment to Study Terrestrial Gamma Flashes and the Role of Energetic Particle Acceleration in Lightning and Severe Weather Events	\$424,751.00
35	Khosravi, Ebrahim	NSF	NSF CC*DNI DIBBs BigLEGO: Developing a Distributed Data Infrastructure and Big Data Analysis Software Tools for Compute and Data Intensive Scientific Applications	\$450,000.00
36	Kight, Dawn	HBCU Library Alliance	Expanding Library Support for Faculty Research in HBCUs	\$6,000.00
37	Kight, Dawn	Institute of Museum and Library Services	Accessing Southern University History Initiative (ASUHI)	\$25,000.00
38	Kundu, Madan	US DoEd	Rehabilitation Counselor Training Program with Specialization in Vocational Evaluation and Work Adjustment for Culturally Diverse Populations (Project VEWA)	\$750,000.00
39	Landor, Jarrett	NSF	Travel Grant for Emerging Faculty (TGEF)	\$1,200.00
40	Lawson, Albertha	NSF	Theoretical Framework for Data in High School Student Choice	\$1,285,276.00

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41	Lawson, Huey	US DOT	2015 Dwight David Eisenhower HBCU Transportation Fellowship Program	\$40,000.00
42	Li, Guoqiang	NASA	Center for Smart Composite Materials Modeling and Manufacturing (CSCM3)	\$5,000,000.00
43	Li, Guoqiang	LA BOR	RII Track-1: Consortium for Innovation in Manufacturing and Materials	\$1,714,957.00
44	Martinez-Ceballos, Eduardo	NIH	Elucidation of the Hoxa1/Pbx1 Signaling Pathway and its Role during Mouse ES Cell Differentiation	\$315,000.00
45	Martinez-Ceballos, Eduardo	LA BOR	Inferring the Hoxa1 Signaling Pathway using a Systems-level Approach	\$186,869.00
46	Martinez-Ceballos, Eduardo	LSU	Elucidating the Mechanism of HSV-1 Entry into Axonal Termini using AMPAR and the Effect of AMPAR Associated Signaling on HSV-1 Entry into Axons	\$7,500.00
47	Mbarika, Victor	LA BOR	Southern University Health Information Technology Laboratory (SUHIT)	\$94,725.00
48	McGee, Bernestine	USDA	An After-school Program for Preventing Obesity in Under-resourced Minority Children	\$199,500.00
49	Mensah, Patrick	US DoEd	Multimedia Based Curriculum Adaptation and Infusion of Sustainable Energy Technology into Mechanical Engineering Program	\$630,722.00
50	Mensah, Patrick	NSF	CREST Center for Next Generation Composites - Phase II (NextGen Composites II)	\$5,000,000.00
51	Murthy, S.N.	LSU	DPP4 Inhibitors in Combating the Effect of Homocysteine and Cholesterol	\$420,000.00
52	Ning, Zhu	USDA	A Modeling Approach in Climate Change Education on a Global Platform	\$300,000.00
53	Salam, Md Abdus	LA BOR	Enhancing Trustworthiness and Reliability in Distributed Sensor Networks	\$121,678.00
54	Salam, Md Abdus	LSU	Title III: SMALL: Discovery of Interesting Crash Patterns by Association Rule Mining for Identification of Possible Casual Factors in a Distributed Multi-Core Framework	\$20,795.00
55	Shin, Hak-Chul	US DOT	Development of Sustainable Concrete Composite Pavement using Rubberized Tire	\$99,999.00
56	Stacy, Gregory	LA BOR	A Search for Terrestrial Gamma-ray Flashes Produced by Lightning	\$38,097.00
57	Uppu, Rao	NSF	HBCU RISE Research and Infrastructure in Environmental Science and Technology	\$1,000,000.00
58	Uppu, Rao	NIH	UV-B Induced DNA Damage and Repair in Select Tree Species	\$7,500.00
59	Walker, C. Reuben	USDA	Southern University Baton Rouge Agriculture Online Learning (SUBR-AOL)	\$150,000.00

Submitted Proposals (July 1, 2014-June 30, 2015)

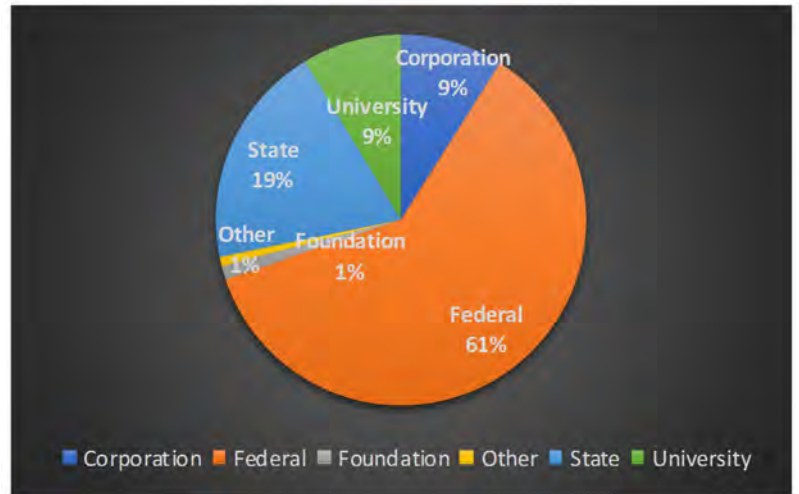
60	Williams, Francesca	LA BOR	SUBR Digital: Navigating Beyond the Bluff with Digital Text-books	\$15,000.00
61	Yang, Shizhong	NSF	Collaborative Research: Design of Rare-earth Zirconate with Super Low Thermal Conductivity	\$300,000.00
62	Yang, Shizhong	LA BOR	Materials Design and Process Optimization for Selective Laser Melting Based Advanced Manufacturing	\$40,000.00
63	Yang, Shizhong	LSU	Computer Simulation on the Interactions of Ligands and EBV gH-gL/Integrins	\$300,000.00
64	Yang, Shizhong	LA BOR	Raman Equipment to Enhance Student Training and Data Mining	\$149,908.00
65	Yang, Shizhong	NASA	Towards In-space Laser Based Advanced Manufacturing	\$300,000.00
66	Yang, Shizhong	DoD	An Integrated Study on Low Density Alloy for Aviation	\$600,000.00
67	Yang, Shizhong	US DOE	Computational Design and Experiment Validation of an Alloy for DPE Electrodes	\$250,000.00
68	Yang, Shizhong	NSF	Center for Complex Concentrated Alloys	\$750,000.00
69	Yehya, Riad	LA BOR	Establishing a Population Research Center that Enhances Social Science Research and Development	\$73,733.00
70	Young, Luria	NSF	Collaborative Research: LIGO Science Education Center Partnership - Broadening Participation	\$2,577,210.00
71	Zhao, Guang-Lin	LSU	Critical Infrastructure Resilience Center of Excellence (CIRC)	\$225,000.00
72	Zhao, Guang-Lin	NSF	SusChEM: First Principles Guided Research on Nitrogen Functionalized Carbon Nanostructures as New Non-precious-metal Electrocatalysts for Energy and Related Technologies	\$300,000.00
73	Zhao, Guang-Lin	LA BOR	Equipment Enhancement for Research and Education on Nano-Catalysts for Energy Technology and Electrochemical Sensors	\$89,015.00
74	Zhao, Guang-Lin	NSF	First Principles Guided Research on Nitrogen Functionalized Carbon Nanostructures as New Non-precious-metal Electrocatalysts for Energy and Related Technologies	\$300,000.00
75	Zhao, Guang-Lin	LA BOR	Nitrogen Functionalized Carbon Nanostructures as New Electrocatalysts for Energy and Related Technologies	\$199,800.00
76	Zhao, Guang-Lin	DoD	Research Innovation on Nitrogen Functionalized Carbon Nanostructures and Their Electrocatalytic Properties	\$536,700.00
TOTAL				\$36,286,599.14

Proposals Awarded by Funding Source

Agency Name	Total Awarded	Percentage of Total	Number of Awards
Clarkson Aerospace Corporation	\$83,168.00	1.52%	1
Flight Attendant Medical Research Institute, Inc.	\$239,487.00	1.52%	1
Florida A&M University	\$153,931.00	1.52%	1
Genesis Energy, L.P.	\$50,000.00	1.52%	1
Global Resource Solutions, Inc.	\$370,300.00	3.03%	2
HBCU Library Alliance	\$6,000.00	1.52%	1
Howard University	\$72,333.00	1.52%	1
LA Board of Elementary and Secondary Education	\$4,318.00	1.52%	1
LA Board of Regents (LA BOR)	\$972,175.00	9.09%	6
LA Department of Education (LA DoEd)	\$422,457.00	6.06%	4
LA Department of Health of Hospitals (LA DHH)	\$156,000.00	1.52%	1
LA Department of Social Services (LA DSS)	\$165,449.00	1.52%	1
LA Department of Transportation and Development (LA DOTD)	\$119,677.53	3.03%	2
LA Department of Wildlife and Fisheries	\$20,000.00	1.52%	1
LA Public Health Institute	\$5,000.00	1.52%	1
Louisiana State University (LSU)	\$184,873.00	9.09%	6
National Institute of Health (NIH)	\$976,526.00	6.06%	4
National Science Foundation (NSF)	\$963,885.00	4.55%	3
Skyline Ultd. Inc.	\$103,500.00	1.52%	1
Tetra Tech, Inc.	\$59,112.22	6.06%	4
The Boeing Company	\$111,000.00	1.52%	1
The Harris Foundation	\$80,000.00	1.52%	1
The International Maize & Wheat Improvement Center	\$25,000.00	1.52%	1
Thurgood Marshall College Fund	\$25,000.00	1.52%	1
U.S. Department of Agriculture (USDA)	\$235,000.00	4.55%	3
U.S. Department of Commerce	\$102,590.00	1.52%	1
U.S. Department of Education (US DoEd)	\$2,135,969.00	12.12%	8
U.S. Department of Energy (US DOE)	\$105,000.00	1.52%	1
U.S. Department of Health and Hospitals (US DHHS)	\$837,479.00	3.03%	2
U.S. Department of Justice (US DoJ)	\$300,000.00	1.52%	1
U.S. Department of Transportation (US DOTD)	\$32,500.00	1.52%	1
University of Louisiana at Monroe	\$255,000.00	1.52%	1
University of New Orleans	\$160,000.00	1.52%	1
TOTAL	\$9,532,729.75	100.00%	66

Funding Sources

Agency Type	Amount	Number of Awards
Corporation	\$855,567.22	9
Federal	\$5,799,949.00	25
Foundation	\$111,000.00	3
Other	\$75,000.00	2
State	\$1,865,076.53	17
University	\$826,137.00	10
TOTAL	\$9,532,729.75	66



Awards by Colleges/Units

College	Total Awarded	Percentage of Total	Number of Awards
Business	\$927,115.00	10.61%	7
Education, Arts & Humanities	\$1,722,744.00	15.15%	10
Engineering & Computer Science	\$1,225,063.53	19.70%	13
Nursing & Allied Health	\$1,387,479.00	9.09%	6
ORSI	\$981,612.22	10.61%	7
Sciences & Agriculture	\$3,288,716.00	34.85%	23
TOTAL	\$9,532,729.75	100.00%	66

Dollar Amount of Proposals Awarded

July 1, 2010–June 30, 2015



Totals Does Not Include Title III Funds

Proposals Awarded (July 1, 2014-June 30, 2015)

No.	Principal Investigator	Project Title	Agency Name	Award Amount
1	Abdollahi, Kamran	Urban Forest Educational Forest	USDA	\$50,000.00
2	Abdollahi, Kamran	Developing an Urban Forest Ecosystem Buffer Zone and Management Plan for Enhancing Genesis Energy Scenic Station Site	Genesis Energy, L.P.	\$50,000.00
3	Andrews, Donald	Defense Intelligence Agency (DIA) Mentor Protégé Program	Skyline Ultd. Inc.	\$103,500.00
4	Andrews, Donald	University Center for Economic and Entrepreneurial Development	US Department of Commerce	\$102,590.00
5	Andrews, Donald	Subcontract in Support of Defense Intelligence Agency Mentor Protégé Program	Global Resource Solutions, Inc.	\$74,750.00
6	Andrews, Donald	DIA Mentor Protégé Program -FWG	Global Resource Solutions, Inc.	\$295,550.00
7	Bagayoko, Diola	Space Grant Scholars at the Timbuktu Academy (SGS-TA)	LSU	\$25,000.00
8	Bagayoko, Diola	Louisiana Alliance for Minority Participation Senior Alliance Institutional Agreement with Southern University - Baton Rouge	LA BOR	\$148,000.00
9	Bagayoko, Diola	Louisiana Alliance for Minority Participation Senior Alliance Statewide Office at Southern University - Baton Rouge	LA BOR	\$387,000.00
10	Bagayoko, Diola	Louisiana EPSCoR Research Infrastructure Improvement: Computational Materials SUBR Subcontract	LA BOR	\$358,725.00
11	Bagayoko, Diola	Consortium for Materials and Energy Studies (CMAES)	Florida A&M University	\$153,931.00
12	Bagayoko, Diola	Space Grant Scholars at the Timbuktu Academy (SGS-TA)	LSU	\$15,000.00
13	Bagayoko, Diola	5th Annual LA-SiGMA Graduate Student Retreat	LA BOR	\$3,725.00
14	Batra, Sanjay	NOD-Like Receptor Signaling is Critical to Second-hand Smoke-Induced Immunity and Inflammation	NIH	\$274,665.00
15	Batra, Sanjay	Inflammasome Signaling in COPD and Emphysema	Flight Attendant Medical Research Institute, Inc.	\$239,487.00
16	Batra, Sanjay	NOD-Like Receptor Signaling is Critical to Second-hand Smoke-Induced Immunity and Inflammation	NIH	\$8,120.00
17	Blevins, Edgar	ExxonMobil Bernard Harris Summer Science Camp (EMBHSSC) 2015	The Harris Foundation	\$80,000.00
18	Borskey, Erma	Title IV-E Child Welfare Training and Curriculum Development	LA DSS	\$165,449.00
19	Butler, Doze	Agricultural Marketing Service Student Enrichment Program at Southern University	USDA	\$35,000.00
20	Campbell, Will	Louisiana Small Business Development Center	University of Louisiana at Monroe	\$255,000.00

Proposals Awarded (July 1, 2014-June 30, 2015)

21	Carriere, Patrick	Detection and Sensing of Environmental Chemical Substances using Ad-hoc Wireless	US DOE	\$105,000.00
22	Carriere, Patrick	2015 SU Summer Transportation Institute Program	LA DOTD	\$49,763.53
23	Crosby, Karen	Intergovernmental Personnel Act (IPA) Assignment	NSF	\$151,693.00
24	Doomes, Edward	Environmentally Persistent Free Radicals, Structure and Properties of Metal Oxide Particle-Absorbate Systems	LSU	\$16,373.00
25	Doucet, Patricia	Educational Talent Search #1 - Classic	US DoEd	\$452,457.00
26	Duncan, Cecil	Prevention Training in Louisiana	LA DHH	\$156,000.00
27	Dutta, Alo	Rehabilitation Counselor Training Program with Specialization in Psychiatric Rehabilitation of Diverse Populations (RC-PR)	US DoEd	\$200,000.00
28	Gray, Wesley	SREEP, Pathway to Success in STEAM at Southern University - A Cradle to the Grave Preparation Program	Thurgood Marshall College Fund	\$25,000.00
29	Gray, Wesley	Enhancement of Academic Research at Southern University Baton Rouge	NIH	\$362,181.00
30	Harrison, Ronnie	Title I - Grants to Local Education Agencies	LA DoEd	\$186,987.00
31	Harrison, Ronnie	Title II, Part A, Teacher and Principal Training and Recruiting Fund	LA DoEd	\$7,195.00
32	Harrison, Ronnie	Southern University Laboratory School 2014-15 8(g) Block Grant	LA Board of Elementary and Secondary Education	\$4,318.00
33	Harrison, Ronnie	Title II, Part A, Teacher and Principal Training and Recruiting Fund	LA DoEd	\$57,173.00
34	Harrison, Ronnie	Title I - Grants to Local Education Agencies	LA DoEd	\$171,102.00
35	Jerro, H. Dwayne	Collaboration of Southern University at the Boeing Company in the Support of the International Space Station (ISS) Program	The Boeing Company	\$111,000.00
36	Kaliba, Aloyce	The Dynamics of Improved Maize Varieties Adoption in Tanzania	The International Maize & Wheat Improvement Center	\$25,000.00
37	Khosravi, Ebrahim	Mobile Deployment and Database Development for LDWF	LA Department of Wildlife and Fisheries	\$20,000.00
38	Kight, Dawn	Expanding Library Support for Faculty Research in HBCUs	HBCU Library Alliance	\$6,000.00
39	Kundu, Madan	Project Work Opportunity through Resource and Capacity Building (WORC): Transition Age African American Youth with Emotional, Intellectual and Behavioral Disabilities	US DoEd	\$200,000.00
40	Kundu, Madan	Rehabilitation Counselor Training Program with Specialization in Assistive Technology (RC-AT)	US DoEd	\$200,000.00
41	Kundu, Madan	Rehabilitation Training-Vocational Education & Work Adjustment (VEWA)	US DoEd	\$100,000.00

Proposals Awarded (July 1, 2014-June 30, 2015)

42	Kundu, Madan	Rehabilitation Counselor Training Program with Specialization in Vocational Evaluation and Work Adjustment for Culturally Diverse Populations (VEWA)	US DoEd	\$150,000.00
43	Lacy, Fred	Integrated Trajectory Information Processing and Management of Aircraft Safety (ITIPS)	University of New Orleans	\$160,000.00
44	Lawson, Huey	Eisenhower Graduate Fellowship (Vance Mitchell)	US DOTD	\$32,500.00
45	Mackie, Kenneth	Upward Bound Math and Science Project	US DoEd	\$250,000.00
46	Majlesein, Hamid	Experimental Centric-based Engineering Curriculum for HBCUs	Howard University	\$72,333.00
47	Martinez, Eduardo	Regulation of Hoxa1 Gene Expression in Mouse Em-	NIH	\$331,560.00
48	Martinez, Eduardo	Louisiana Biomedical Research Network Project	LSU	\$28,500.00
49	Mbarika, Victor	Southern University Health Information Technology Laboratory	LA BOR	\$70,725.00
50	Mensah, Patrick	Southern University IRES: A Collaboration to Provide Opportunities for Global Research Activities in Sustainable Water Purification (GRA-SWP)	NSF	\$249,692.00
51	Perry, Kristie	SU - HIV/AIDS and Substance Abuse Prevention Program	US DHHS	\$300,000.00
52	Rami, Janet	Scholarships for Disadvantaged Students	US DHHS	\$537,479.00
53	Robinson, Rhonda	The Classic Upward Bound Project	US DoEd	\$583,512.00
54	Shin, Hak-Chul	DOTD Support for UTC Project: Development of Rapid PCC Pavement Repair Materials and Construction Techniques	LA DOTD	\$69,914.00
55	Simon, Gary	Louisiana-Science, Engineering, Agricultural and Mathematics (LA STEAM)	USDA	\$150,000.00
56	Smith, Raife	AFRL Collaboration Program	Clarkson Aerospace Corporation	\$83,168.00
57	Stubblefield, Michael	ACE Implementation Grant: The New Energy Workforce: Sustainable Materials, Energy and Technology	NSF	\$562,500.00
58	Thornton, Alma	SU Stop the Violence Against Women	US DoJ	\$300,000.00
59	Thornton, Alma	HBCU HIV Research Project	LA Public Health Institute	\$5,000.00
60	Washington, Samuel	A Regional Program for Production of Multiple Agricultural Feedstocks and Processing to Biofuels and Biobased Chemicals	LSU	\$60,000.00
61	Washington, Samuel	Massachusetts Military Reservation Contract	Tetra Tech, Inc.	\$10,000.00
62	Washington, Samuel	Technical Specification for Laboratory Services: Marine Corps Recruit Depot (MCRD) Parris Island, South Carolina	Tetra Tech, Inc.	\$9,112.22
63	Washington, Samuel	Treasure Island	Tetra Tech, Inc.	\$10,000.00
64	Washington, Samuel	NAS JRB Willow Grove, Pennsylvania	Tetra Tech, Inc.	\$30,000.00
65	Yang, Shizhong	Materials Design and Process Optimization for Selective Laser Melting Based Advanced Manufacturing	LSU	\$40,000.00
66	Young, Luria	Common Core State Standards and Assessment: K-12/Postsecondary Alignment (CTC) Grant	LA BOR	\$4,000.00
TOTAL				\$9,532,729.75