

University of Missouri System

Single Audit Reports

June 30, 2018

University of Missouri System
Single Audit Reports and Schedule of Expenditures of Federal Awards
Year Ended June 30, 2018

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UNIVERSITY OF MISSOURI SYSTEM
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year Ended 6/30/2018

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Federal Expenditures
LEGAL SERVICES CORPORATION					
LEGAL SERVICES CORPORATION PASS THROUGH PROGRAMS					
PATTERNS OF OVARIAN CANCER	09.U01	MID-MISSOURI LEGAL SERVICES CORPORATION	N/A	\$ -	\$ 131
LEGAL SERVICES CORPORATION Total				-	131
DEPARTMENT OF AGRICULTURE					
DEPARTMENT OF AGRICULTURE DIRECT PROGRAMS					
AGRICULTURAL RESEARCH BASIC AND APPLIED RESEARCH	10.001			-	2,960,468
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025			-	266,600
FARMERS' MARKET AND LOCAL FOOD PROMOTION PROGRAM	10.168			-	9,080
COOPERATIVE FORESTRY RESEARCH	10.202			-	592,763
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203			-	5,910,705
ANIMAL HEALTH AND DISEASE RESEARCH	10.207			-	66,862
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217			103,615	162,766
CONSUMER DATA AND NUTRITION RESEARCH	10.253			26,596	52,530
AGRICULTURAL MARKET AND ECONOMIC RESEARCH	10.290			-	36,842
AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS	10.291			269,602	1,709,993
INTEGRATED PROGRAMS	10.303			-	19,654
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307			-	291,672
SPECIALTY CROP RESEARCH INITIATIVE	10.309			-	34,256
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310			823,150	3,973,351
FARM BUSINESS MANAGEMENT AND BENCHMARKING COMPETITIVE GRANTS PROGRAM	10.319			109,303	167,687
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329			28,919	138,181
RURAL BUSINESS DEVELOPMENT GRANT	10.351			-	14,964
FARM OPERATING LOANS	10.406			-	69,213
OUTREACH AND ASSISTANCE FOR SOCIALLY DISADVANTAGED AND VETERAN FARMERS AND RANCHERS	10.443			-	141,247
COOPERATIVE EXTENSION SERVICE	10.500			203,301	10,838,642
FACULTY EXCHANGE PROGRAM	10.613			-	95,912
FORESTRY RESEARCH	10.652			-	8,379
FOREST HEALTH PROTECTION	10.680			-	52,150
PARTNERSHIP AGREEMENTS	10.699			-	167,989
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777			-	1,888
RURAL ENERGY FOR AMERICA PROGRAM	10.868			37,268	54,582
SOIL AND WATER CONSERVATION	10.902			-	494,168
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912			-	337,738
WILDLIFE HABITAT INCENTIVE PROGRAM	10.914			-	(316)
CONSERVATION STEWARDSHIP PROGRAM	10.924			-	(67)
TECHNICAL AGRICULTURAL ASSISTANCE	10.960			-	1,422,570
COCHRAN FELLOWSHIP PROGRAM-INTERNATIONAL TRAINING-FOREIGN PARTICIPANT	10.962			-	93,077
ABUNDANCE, SURVIVAL, AND VIABILITY OF GOLDEN-CHEEKED WARBLER ON BALCONES CANYONLANDS PRESERVE, AUSTIN, TX	10.RD		18-JV-11242311-027	-	19,410
APPLIED HISTORICAL ECOLOGY OF FIRE IN REMNANT PINE FORESTS OF SOUTHERN OHIO	10.RD		14-JV-11242302-143	-	4,117
CHARACTERIZING AND COMPARING OAK FORESTS IN COLOMBIAN HIGHLAND AND ANDEAN REGIONS	10.RD		12-JV-11242311-072	-	5,509
COMBINING LANDIS-II AND LANDIS-PRO INTO A COMMON FRAMEWORK	10.RD		14-JV-11242311-116	-	40,537
COMPARING THE EFFECTS OF PRESCRIBED BURNING AND THINNING TREATMENTS ON VEGETATION DEVELOPMENT IN OAK WOODLANDS OF KANSAS	10.RD		14-JV-11242311-122	-	104,470
DEVELOPING A STRATEGY AND PROTOCOLS FOR MONITORING OAK RESTORATION IN THE EASTERN REGION	10.RD		12-CS-11242311-141	-	28
DEVELOPING HISTORIC FIRE REGIMES IN THE EASTERN REGION R9, USFS	10.RD		16-JV-11242311-046	-	6,554
ECONOMIC IMPLICATIONS OF LANDSCAPE-SCALE FOREST DISTURBANCE AND SUCCESSION SCENARIOS	10.RD		13-JV-11242311-063	-	14,930
EFFECTS OF CLIMATE CHANGE, DROUGHT AND INSECTS ON OAK PINE FORESTS IN THE OZARKS - A REGIONAL SCALE ASSESSMENT	10.RD		14-JV-11330134-049	-	13,960
EFFECTS OF FUELS TREATMENTS ON REDUCTION OF FIRE RISK AND RESTORATION OF OAK-PINE FORESTS IN CENTRAL HARDWOOD FOREST	10.RD		14-JV-11242311-123	-	68,199
LANDSCAPES-LANDSCAPE SCALE SIMULATION	10.RD		14-JV-11242311-131	-	68,199
EFFECTS OF SAVANNA-WOODLAND RESTORATION ON BAT ABUNDANCE AND DIET AND ABUNDANCE OF INSECT PREY	10.RD		12-JV-11242311-068	-	1
EFFECTS OF STAND DENSITY AND COMPOSITION ON MITIGATION AND ADAPTABILITY TO CLIMATE CHANGE IN PINE AND HARDWOOD FORESTS AND WOODLANDS OF MISSOURI	10.RD		14-JV-11242311-065	-	18,758
FIRE RESTORATION BAT MONITORING AND HABITAT MODELING	10.RD		15-CS-11051100-008	-	29,870
FORECASTING LANDSCAPE CHANGE UNDER SAVANNAH AND WOODLAND RESTORATION IN MIXED FOREST OWNERSHIPS	10.RD		12-JV-11242311-091	-	19,267
GENETIC VARIATION IN ADAPTIVE TRAITS TO REDUCED LIGHT FOR NATIVE GRASSES	10.RD		14-JV-11242311-073	-	(961)
HABITAT AND LANDSCAPE EFFECTS ON BIRD DEMOGRAPHICS	10.RD		14-JV-11242311-059	-	(2,790)
HYDROLOGY STUDENT INTERNSHIP EXPERIENCE	10.RD		17-PA-11090500-051	-	5,158
INTEGRATED DISEASE MANAGEMENT FOR WHITE-NOSE SYNDROME	10.RD		16-JV-11242311-118	-	63,766
LOCALIZED SPATIAL ESTIMATION OF FOREST ATTRIBUTES IN THE NORTH MODELING FIRE-INDUCED TREE MORTALITY FOR EASTERN HARDWOOD FORESTS	10.RD		12-JV-11242305-120	-	434
MORPHOLOGICAL CHARACTERIZATION OF HICKORY AND BLACK WALNUT GALL INDUCERS IN MISSOURI	10.RD		16-JV-11242311-076	-	30,055
OAK WOODLANDS & FORESTS FIRE CONSORTIUM, 2016 TO 2019	10.RD		14-JV-11242311-063	-	385
POPULATION ESTIMATE FOR BLACK-BACKED WOODPECKERS (PICOIDES ARCTICUS) IN THE BLACK HILLS	10.RD		16-JV-11242311-074	-	145,235
PREDICTING FOREST LANDSCAPE CHANGE TO SUPPORT ENVIRONMENTAL ANALYSES AND DECISION MAKING	10.RD		14-JV-11221632-104	-	293
RECRUITMENT DYNAMICS IN NATURALLY REGENERATED LONGLEAF PINE WOODLANDS: COLLABORATIVE PROJECT YEAR ONE, STUDENT ONE	10.RD		18-JV-11242311-028	-	12,102
RESPONSE OF SONGBIRDS TO PINE SAVANNA AND WOODLAND RESTORATION IN THE MIDWESTERN UNITED STATES	10.RD		15-JV-11330123-051	-	1,344
SCAR CLOSURE FROM PRESCRIBED FIRE IN OAK	10.RD		13-CR-11242311-047	-	28,029
SONGBIRD DEMOGRAPHIC RESPONSES TO LANDSCAPE and CLIMATE CHANGE IN THE MIDWESTERN UNITED STATES	10.RD		14-JV-11242316-061	-	10,906
THE SURVIVAL AND PERFORMANCE OF IMPROVED SHORTLEAF PINE SEEDLINGS	10.RD		14-CR-11242311-064	-	30,373
TREE REGENERATION ADEQUACY METRICS FOR THE CENTRAL STATES	10.RD		16-JV-11242311-080	-	10,483
FSA-GREAT RIVERS CESU 2013-2018	10.U01		15-JV-11242311-090	-	57,573
MIXEDWOODS WORKSHOP	10.U02		14-CR-11242311-098	-	(34)
				-	3,374

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Year Ended 6/30/2018**

<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Federal Expenditures</i>
DEPARTMENT OF AGRICULTURE DIRECT PROGRAMS Total				\$ 1,601,754	\$ 30,926,881
DEPARTMENT OF AGRICULTURE PASS THROUGH PROGRAMS					
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	CRDF GLOBAL	DAA3-17-62988-1	-	14,046
MARKET NEWS	10.153	MISSOURI DEPARTMENT OF AGRICULTURE	N/A	-	9,000
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	LINCOLN UNIVERSITY	2015-3570	-	395
		MISSOURI DEPARTMENT OF AGRICULTURE	14-SCBGP-MO-0029	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP-MO0003 Project 2	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP-MO0003 Project 9	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	N/A	-	-
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 Proj 12	-	155,264
		MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP-MO0003 Project 7	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP-MO0003 Project 8	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 Proj 10	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 Proj 11	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 Proj 3	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	N/A	-	-
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	PURDUE UNIVERSITY	8000064758-AG	-	61,298
GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS	10.200	UNIVERSITY OF MINNESOTA	H004991229	-	9,553
		UNIVERSITY OF MINNESOTA	H004991245	-	13,193
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215	UNIVERSITY OF MINNESOTA	H004403715	-	-
		UNIVERSITY OF MINNESOTA	H004991204	-	-
		UNIVERSITY OF MINNESOTA	H004991217	-	-
		UNIVERSITY OF MINNESOTA	H005722901	-	-
		UNIVERSITY OF MINNESOTA	H005722917	-	-
		UNIVERSITY OF MINNESOTA	H005722922	-	-
		UNIVERSITY OF MINNESOTA	H005722924	-	-
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215	UNIVERSITY OF MINNESOTA	H006607401	1,209	442,631
		LINCOLN UNIVERSITY	2014-3555	-	-
		LINCOLN UNIVERSITY	2014-3560	-	-
		LINCOLN UNIVERSITY	2017-3560	-	79,079
1890 INSTITUTION CAPACITY BUILDING GRANTS	10.216	SOUTH DAKOTA STATE UNIVERSITY	3TG607	-	13,865
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217	LINCOLN UNIVERSITY		-	-
SECONDARY AND TWO-YEAR POSTSECONDARY AGRICULTURE EDUCATION CHALLENGE GRANTS	10.226	MISSOURI BOTANICAL GARDENS	N/A	-	1,228
		UNIVERSITY OF KENTUCKY	3048110944-15-178	-	-
CONSUMER DATA AND NUTRITION RESEARCH	10.253	UNIVERSITY OF KENTUCKY	58-5000-3-0066	17,297	47,015
INTEGRATED PROGRAMS	10.303	SOUTH DAKOTA STATE UNIVERSITY	3TB388	-	1,881
		MICHIGAN STATE UNIVERSITY	RC101676MO	-	-
HOMELAND SECURITY_AGRICULTURAL	10.304	MICHIGAN STATE UNIVERSITY	RC106556G	-	31,233
HOMELAND SECURITY_AGRICULTURAL	10.304	PURDUE UNIVERSITY	8000081115-AG	-	953
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	AUBURN UNIVERSITY	13-AGR-373036-UM	-	4,008
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	INDIANA UNIVERSITY	BL-4339916-UM	-	16,103
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	IOWA STATE UNIVERSITY	416-41-54A	-	49,575
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	LINCOLN UNIVERSITY	2014-3553	-	48,003
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	LOUISIANA STATE UNIVERSITY	100075	-	63,793
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	MICHIGAN STATE UNIVERSITY	RC103692A	-	82,414
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	PURDUE UNIVERSITY	8000067462-AG	-	15,834
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	SOUTH DAKOTA STATE UNIVERSITY	3TC462	-	69,399
		TEXAS A&M UNIVERSITY	06-S160685	-	-
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	TEXAS A&M UNIVERSITY	S110071	-	3,170
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF ARKANSAS	UA AES 91137-02	-	12,211
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF CENTRAL FLORIDA	2015-69004-23273	-	9,454
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF GEORGIA	RC294-343/S001056	-	53,281
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF NEBRASKA LINCOLN	25-1215-0117-002	-	15,741
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF WISCONSIN MADISON	627K152	-	34,417
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF WYOMING	1003080A - MISSOURI	-	100,398
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	VIRGINIA TECH UNIVERSITY	422569-19228	-	17,916
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	WASHINGTON STATE UNIVERSITY	130160_G003742	-	2,164
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311	DAIRY GRAZING APPRENTICESHIP	N/A	-	13,462
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311	UNIVERSITY OF ARKANSAS	UA AES 91132-02	-	5,943
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311	UNIVERSITY OF VERMONT	29903S/UBS1956	-	20,647
CAPACITY BUILDING FOR NON-LAND GRANT COLLEGES OF AGRICULTURE (NLGCA)	10.326	MISSOURI STATE UNIVERSITY	16041-001	-	60,944
		MISSOURI STATE UNIVERSITY	16161-001	-	-
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329	UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200001582-18-186	-	17,024
COOPERATIVE EXTENSION SERVICE	10.500	PENNSYLVANIA STATE UNIVERSITY	5558-UM-UM-9802	-	23,691
		UNIVERSITY NEBRASKA LINCOLN	25-6324-0119-315	-	-
		UNIVERSITY NEBRASKA LINCOLN	25-6324-0150-012	-	-
		UNIVERSITY NEBRASKA LINCOLN	25-6324-0150-313	-	-
		UNIVERSITY NEBRASKA LINCOLN	25-6324-0150-314	-	-
COOPERATIVE EXTENSION SERVICE	10.500	UNIVERSITY NEBRASKA LINCOLN	25-6324-0150-321	-	11,644
FARMERSO MARKET SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.545	SUSTAINABLE FARMS AND COMMUNITIES	N/A	-	11,203
SUPPORT GRANTS	10.557	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380018	-	23,243
SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN	10.557	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	ERS46110020	-	23,971
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	ERS4611511	-	23,971
CHILD AND ADULT CARE FOOD PROGRAM	10.558	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	25,407
STATE ADMINISTRATIVE EXPENSES FOR CHILD NUTRITION	10.560	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC10380257	-	-
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC17380070	-	-
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC18380029	-	-
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.561	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC18380165	43,406	11,776,607
NUTRITION ASSISTANCE PROGRAM	10.575	MISSOURI DEPARTMENT OF SOCIAL SERVICES	F2S215	-	285
FARM TO SCHOOL GRANT PROGRAM	10.601	CENTER FOR RURAL AFFAIRS IN NEBRASKA	14TH108M14A	-	70,000
MARKET ACCESS PROGRAM	10.664	US SOYBEAN EXPORT COUNCIL	9500067109	-	9,630
COOPERATIVE FORESTRY ASSISTANCE	10.890	UNIVERSITY OF TENNESSEE	018000.340677.03	-	26,400
RURAL DEVELOPMENT COOPERATIVE AGREEMENT PROGRAM	10.902	MISSISSIPPI STATE UNIVERSITY	2020-207-2012483	-	5,692
SOIL AND WATER CONSERVATION	10.902	CLEMSON UNIVERSITY	2018-3632	-	329
SOIL AND WATER CONSERVATION	10.902	LINCOLN UNIVERSITY	F9002687302009	-	932
SOIL SURVEY	10.903	PURDUE UNIVERSITY		-	18
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	ALITA ANN JOHNSON REVOCABLE TRUST	N/A	-	963
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	LINCOLN UNIVERSITY		-	125
AGRICULTURAL STATISTICS REPORTS	10.950	NATIONAL INSTITUTE OF STATISTICAL SCIENCE	MOU 10-01	-	547
MRBI STUDY - MORRIS	10.RD	ORA CLAY MORRIS JR	N/A	-	6,642
STRONGER ECONOMIES TOGETHER (SET) - MISSOURI	10.U03	MISSISSIPPI STATE UNIVERSITY	018000.340575.21	-	-
DEPARTMENT OF AGRICULTURE PASS THROUGH PROGRAMS Total				61,912	13,613,864
DEPARTMENT OF AGRICULTURE Total				1,663,666	44,540,745
DEPARTMENT OF COMMERCE					
DEPARTMENT OF COMMERCE DIRECT PROGRAMS					
CLUSTER GRANTS	11.020			-	872
ECONOMIC DEVELOPMENT_TECHNICAL ASSISTANCE	11.303			-	196,183
TRADE ADJUSTMENT ASSISTANCE FOR FIRMS	11.313			-	1,365,123

UNIVERSITY OF MISSOURI SYSTEM
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
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<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Federal Expenditures</i>
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS	11.609			\$ -	\$ 228,320
DEPARTMENT OF COMMERCE DIRECT PROGRAMS Total				-	1,790,498
DEPARTMENT OF COMMERCE PASS THROUGH PROGRAMS				-	-
MANUFACTURING EXTENSION PARTNERSHIP	11.611	MISSOURI ENTERPRISE BUS ASSISTANCE	N/A	-	535,247
EARTH NETWORKS AGREEMENT	11.U01	EARTH NETWORKS INC	N/A	-	71,593
DEPARTMENT OF COMMERCE PASS THROUGH PROGRAMS Total				-	606,840
DEPARTMENT OF COMMERCE Total				-	2,397,338
DEPARTMENT OF DEFENSE					
DEPARTMENT OF DEFENSE DIRECT PROGRAMS					
PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS	12.002			-	560,624
COLLABORATIVE RESEARCH AND DEVELOPMENT	12.114			-	25,786
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300			116,532	2,153,796
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351			222,237	1,023,966
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420			260,575	2,031,812
BASIC SCIENTIFIC RESEARCH	12.431			948,139	2,294,018
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800			16,373	1,148,947
MATHEMATICAL SCIENCES GRANTS PROGRAM	12.901			-	19,966
INFORMATION SECURITY GRANTS	12.902			-	244,828
GENCYBER GRANTS PROGRAM	12.903			-	78,618
CYBERSECURITY CORE CURRICULUM	12.905			-	84,219
ADDITIVE MANUFACTURING OF GRIN OPTICS	12.RD		FA8650-16-C-5412	-	20,235
DELAY TOLERANT NETWORK SOFTWARE AND HARDWARE SYSTEM	12.RD		FA8750-16-C-0148	-	176,100
IPA AGREEMENT FOR MR. LEE BUNCH WITH DEPT OF ARMY (FLW)	12.RD		0048507	-	31,629
ON THE STABILITY OF HIGH FREQUENCY WAVE REGIONAL AMPLITUDES: A STUDY OF MIDDLE EASTERN Q MODELS AND THEIR RELIABILITY	12.RD		FA9453-17-C-0027	-	76,212
ONR SHORT PULSE RESEARCH, EVALUATION AND NON-SWAP DEMONSTRATION FOR C-SUAV	12.RD		N00014-18-C-1017	41,668	190,502
POST BLAST FORENSICS TRAINING FOR FORT LEONARD WOOD USAMPS	12.RD		W911SF718P0040	-	7,750
REGIONAL PHASE ATTENUATION ACROSS THE ZAGROS	12.RD		FA9453-14-C-0216	-	(1,480)
SITE PREPARATION FOR LONGLEAF PINE RESTORATION ON HYDRIC SITES	12.RD		W912HQ-17-C-0022	-	121,174
POST BLAST FORENSICS TRAINING - FLW USAMPS	12.U01		W911ST18P0042	-	12,106
PROGRAM OF STUDY IN DATA SCIENCE - YEAR 1	12.U02		HM0476-16-C-0037	81,664	1,200,224
DEPARTMENT OF DEFENSE DIRECT PROGRAMS Total				1,687,188	11,501,032
DEPARTMENT OF DEFENSE PASS THROUGH PROGRAMS					
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	INNOVATIVE VERTINARY MEDICINE INC	7001-03	-	20,182
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	PURDUE UNIVERSITY	4104-79717	-	72,069
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	UNIVERSITY OF FLORIDA	UFDSP00011428	-	53,460
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	UNIVERSITY OF TENNESSEE	A16-0325-8001	-	71,705
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	COLUMBIA UNIVERSITY	IGG009710	-	18,623
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	FOUNDATION FOR ADVANCING VETERANS HEALTH RESEARCH	PUGDODEP150013-UMSL	-	-
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	FOUNDATION FOR ADVANCING VETERANS HEALTH RESEARCH	RoyalIDOD/UMO	-	58,800
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	HENRY M JACKSON FOUNDATION	3671	-	-
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	HENRY M JACKSON FOUNDATION	825012	-	89,972
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	STANFORD UNIVERSITY	61151604 - 118921	-	49,459
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	UNIVERSITY OF IDAHO	FBK360-SB-001	-	8,950
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	VIRGINIA COMMONWEALTH UNIVERSITY	PT108802-SC107143	-	466,909
BASIC SCIENTIFIC RESEARCH	12.431	LEONARD WOOD INSTITUTE	400-253	-	-
BASIC SCIENTIFIC RESEARCH	12.431	LEONARD WOOD INSTITUTE	W91NF-07-2-0062	-	(12,006)
BASIC SCIENTIFIC RESEARCH	12.431	PPG INDUSTRIES, INC	LWI-191-078	-	64,294
BASIC SCIENTIFIC RESEARCH	12.431	UNIVERSITY OF CALIFORNIA LOS ANGELES	F2D78244	-	60,887
BASIC SCIENTIFIC RESEARCH	12.431	UNIVERSITY OF MARYLAND	1000 G TE691	-	29,112
TROOPS TO TEACHERS GRANT PROGRAM	12.620	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	31590-Z8415101	-	23,287
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	ACADEMY OF APPLIED SCIENCE	N/A	-	18,120
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	CATEPILLAR INC	0044273	-	72,909
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	BOEING CO	1495134	-	4,040
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	INDIANA UNIVERSITY	BL-4331206-MST	-	16,018
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	OHIO STATE UNIVERSITY	60051333	-	26,281
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF CALIFORNIA LOS ANGELES	1000 G TC 133	-	67,202
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	086337-16354	-	60,609
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF MARYLAND	57641-Z8057201	-	35,350
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF NEW HAMPSHIRE	16-053	-	52,925
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910	UNIVERSITY OF SOUTH FLORIDA	2105-1138-00-A	-	13,238
A FULLY INTEGRATED MEMBRANE BIOREACTOR SYSTEM FOR WASTEWATER TREATMENT IN REMOTE APPLICATIONS	12.RD	UNIVERSITY OF SOUTHERN CALIFORNIA	59843551	-	(3,208)
ACUTE MRI CHANGES IN ASSOCIATION WITH A SINGLE HYPOBARIC OR HYPOXIC EXPOSURE	12.RD	WYLE LAB INC	T72708	-	97,528
ADDITIVE MANUFACTURING OF TRANSPARENT GLASS FOR REFRACTIVE OPTICS AND LIGHT ROUTING	12.RD	AZIMUTH CORPORATION	238-5404-MST	-	20,440
ADVANCED SILICON DIODE SWITCH FOR HPRF SYSTEMS	12.RD	RADIATION DETECTION TECH INC	N/A	-	99,044
CASTING AND ADVANCED STEEL TECHNOLOGY (CAST)	12.RD	STEEL FOUNDERS' SOCIETY OF AMERICA	CAST-001	-	(4,680)
CFDRC MDA STR PHASE II - FINE POWDER CATHODE AND SEPARATOR BINDER CHARACTERIZATION FOR THERMAL BATTERIES	12.RD	CFD RESEARCH CORPORATION	9324	-	10,552
COMPACT 500KV, HIGH ENERGY DENSITY CAPACITOR FOR PULSED POWER APPLICATIONS	12.RD	ADVANCED TECHNOLOGY INTERNATIONAL	DOTC-17-01-INIT0115	-	444,400
DESIGN AND PROTOTYPING OF A REAL-TIME MILLIMETER WAVE COMPRESSIVE SENSING IMAGER	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	A7605-400-16-SC1608	-	168,443
DEVELOPMENT AND TESTING OF AN AUTONOMOUSLY CONTROLLED ROTATING CROSS PARACHUTE	12.RD	THE CHARLES STARK DRAPER LABORATORY, INC	W911QY-15-C-0006	-	68,862
DEVELOPMENT OF EXPLOSIVE FEEDSTOCK FOR COMMERCIAL-OFF-THE-SHELF (COTS) 3D PRINTERS	12.RD	E&G ASSOCIATES INC	N0017817C1128	-	41,652
FORT LEONARD WOOD AUTONOMOUS VEHICLE PILOT PROJECT PLANNING	12.RD	ROBOTIC RESEARCH LLC	SUB2017-MST-012-FTLW	-	36,522
HIGH STRENGTH LIGHTWEIGHT STEELS FOR IMPROVED MILITARY READINESS	12.RD	STEEL FOUNDERS' SOCIETY OF AMERICA	2017-106	-	33,219
IFSP - OPTION YEAR 3 (2015-2016)	12.RD	BOOZ ALLEN HAMILTON	105087SBOT	-	-
INCORPORATION OF SURFACE RESIDUAL STRESS ENGINEERING INTO AEROSPACE PRACTICE (BA-16)	12.RD	BOOZ ALLEN HAMILTON	105087SBOT	-	31,616
MANUFACTURING EFFICIENCY AND CAPABILITY	12.RD	BOEING CORPORATION	1110264	-	69,709
MATERIALS MODELING TOOL FOR ALLOY DESIGN TO STREAMLINE THE DEVELOPMENT OF HIGH TEMPERATURE, HIGH-ENTROPY ALLOYS FOR ADVANCED PROPULSION SYSTEMS	12.RD	CFD RESEARCH CORPORATION	20160532	-	32,485
MEASUREMENTS AND TESTING OF NANO-ELECTROMAGNETICS COMPACT ANTENNA DESIGNS	12.RD	TECHNICAL DATA ANALYSIS INC	2074-001-02	-	31,654
	12.RD	NANO-ELECTROMAGNETICS LLC	N/A	-	(6,915)

**UNIVERSITY OF MISSOURI SYSTEM
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<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Federal Expenditures</i>
MULTI-MODE MICROPROPULSION CUBESAT TECHNOLOGY DEMONSTRATION MISSION	12.RD	UTAH STATE UNIVERSITY	CP0039814	\$ -	\$ 54,601
PORTABLE NEUTRON SPECTROMETER	12.RD	RADIATION DETECTION TECH INC	N/A	-	70,201
RAPID, FIELD-DEPLOYABLE & NONINVASIVE MICROWAVE METHOD FOR CONCRETE ASSESSMENT	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30119-500-01-1690	-	41
REGION A D019 LOT 1	12.RD	HARRIS CORPORATION	A000388791	-	30,968
REGION C D026	12.RD	HARRIS CORPORATION	A000406125	-	34,381
REGION C D017 LOT 2	12.RD	HARRIS CORPORATION	A000396062	-	464,251
REGION C D042 LOT 4	12.RD	HARRIS CORPORATION	A000436237	-	84,784
RESEARCH AND DEVELOPMENT OF RESILIENT SOLAR CELL COVER GLASS BONDING	12.RD	APPLIED TECHNOLOGY ASSOCIATES	160300	-	37,208
RFID FOR METALLIC ENVIRONMENT	12.RD	TECHNICAL DATA ANALYSIS INC	N122-126	-	64,106
RUGGEDIZED, MAN-PORTABLE AND REAL-TIME MICROWAVE HIGH-RESOLUTION 3D CAMERA FOR ON-SITE BODY AND VEHICLE ARMOR INSPECTION	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30100-SC1660	-	30,000
SBIR ARMY'S PHASE I: PROPOSAL, RADIOLYTIC ATOMIC CELL FOR LONG-LIVED SENSORS	12.RD	INFINITY POWER LLC	A151-018-0600	-	7,243
SBIR/STTR: ARMY'S PHASE II: SBIR PROPOSAL, RADIOLYTIC ATOMIC CELL FOR LONG-LIVED SENSORS	12.RD	INFINITY POWER LLC	N/A	-	163,301
SBIR: PHASE 2/TARGET BROKER COMPRESSION	12.RD	INTELLIGENT FUSION TECH	IFT032-02	-	53,495
SCALE UP OF DIELECTRIC FILMS FOR HIGH ENERGY DENSITY CAPACITORS	12.RD	GENERAL ATOMICS	4500054937	-	45,731
STTR: DESTRUCTION OF AFF IN HFZ REACTOR	12.RD	NANO-ELECTROMAGNETICS LLC	N/A	-	53,878
STTR: NEXT GENERATION TRACKING ARCHITECTURES FOR URBAN SURVEILLANCE AREAS	12.RD	ULTRAHINET LLC	N/A	-	2,393
TESLA 9: SYSTEM LEVEL FAILURE PREDICTION FROM IC MODELS	12.RD	VERUS RESEARCH	1020-001	-	200,891
T174 - L-BAND C-UAS	12.RD	BOOZ ALLEN HAMILTON	N00178-04-D4024	-	49,759
TRAJECTORY RECONSTRUCTION ALGORITHMS FOR CONSISTENT EVENT REGISTRATION (TRACER)	12.RD	APPLIED TECHNOLOGY ASSOCIATES	160560	-	116,518
VACCINE CANDIDATES FOR Q FEVER	12.RD	TEXAS A&M UNIVERSITY	23-S142344 / M1402336	-	129,959
VIRTUALLY GUIDED CERTIFICATION OF COMPUTER NUMERICALLY CONTROLLED MACHINE TOOLS VIA VIRTUAL TWIN	12.RD	BOEING CORPORATION	PC130354	41,000	139,683
DEPARTMENT OF DEFENSE PASS THROUGH PROGRAMS Total				<u>41,000</u>	<u>4,447,110</u>
DEPARTMENT OF DEFENSE Total				<u>1,728,188</u>	<u>15,948,142</u>
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT					
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT PASS THROUGH PROGRAMS					
COMMUNITY DEVELOPMENT BLOCK GRANTS/ENTITLEMENT GRANTS	14.218	CITY OF COLUMBIA MISSOURI	N/A	-	3,424
COMMUNITY DEVELOPMENT BLOCK GRANTS/ENTITLEMENT GRANTS	14.218	CITY OF KANSAS CITY MISSOURI	N/A	-	32,466
HEALTHY HOMES TECHNICAL STUDIES GRANTS	14.906	CHILDRENS MERCY HOSPITAL	13-0032	-	(7,875)
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT Total				<u>-</u>	<u>28,015</u>
DEPARTMENT OF THE INTERIOR					
DEPARTMENT OF THE INTERIOR DIRECT PROGRAMS					
RESEARCH GRANTS (GENERIC)	15.650			-	1,779
NATURAL RESOURCE DAMAGE ASSESSMENT, RESTORATION AND IMPLEMENTATION	15.658			-	84,282
COOPERATIVE ECOSYSTEM STUDIES UNITS	15.678			-	83,984
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805			21,136	60,228
U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION	15.808			-	154,006
COOPERATIVE RESEARCH UNITS PROGRAM	15.812			2,233	291,972
NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT	15.922			-	17,939
NATURAL RESOURCE STEWARDSHIP	15.944			-	2,579
COOPERATIVE RESEARCH AND TRAINING PROGRAMS D RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			-	97,492
GEO-SPATIAL RECONSTRUCTION AND MAPPING OF THE LEWIS AND CLARK HISTORIC TRAIL	15.RD		J6490100352	-	18
RDX PHYTOFORENSIC SAMPLING IN TREE TISSUES	15.RD		G16PX00697	-	1,355
NATIONAL ATMOSPHERIC DEPOSITION PROGRAM	15.U01		G16PX00487	-	9,498
DEPARTMENT OF THE INTERIOR DIRECT PROGRAMS Total				<u>23,369</u>	<u>805,132</u>
DEPARTMENT OF THE INTERIOR PASS THROUGH PROGRAMS					
WILDLAND FIRE RESEARCH AND STUDIES PROGRAM	15.232	UNIVERSITY OF TENNESSEE	8500038550	-	9,369
SPORT FISH RESTORATION PROGRAM	15.605	MISSOURI DEPARTMENT OF CONSERVATION	380	-	85,038
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	KANSAS WILDLIFE, PARKS AND TOURISM	N/A	-	46,181
		MISSOURI DEPARTMENT OF CONSERVATION	357	-	-
		MISSOURI DEPARTMENT OF CONSERVATION	369	-	-
		MISSOURI DEPARTMENT OF CONSERVATION	373	-	-
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	MISSOURI DEPARTMENT OF CONSERVATION	377	183,343	938,959
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	NEBRASKA GAME AND PARKS	N/A	-	69,705
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	PENNSYLVANIA GAME COMMISSION	PO4300410870	-	78,911
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	STATE OF NEBRASKA	N/A	-	51,765
STATE WILDLIFE GRANTS	15.634	ARKANSAS GAME AND FISH COMMISSION	N/A	-	62,754
FISH AND WILDLIFE COORDINATION AND ASSISTANCE PROGRAMS	15.664	MISSOURI CONSERVATION HERITAGE FOUNDATION	N/A	-	50,090
COOPERATIVE LANDSCAPE CONSERVATION	15.669	NEBRASKA GAME AND PARKS	N/A	-	37,084
COOPERATIVE LANDSCAPE CONSERVATION	15.669	WILDLIFE MANAGEMENT INSTITUTE	GPLCC/GPLCC 2016-+01	26,000	158,196
		UNIVERSITY OF MASSACHUSETTS	12 007036 E	-	-
NATIONAL CLIMATE CHANGE AND WILDLIFE SCIENCE CENTER	15.820	UNIVERSITY OF MASSACHUSETTS	17-009638 A 00	-	169,844
NATIONAL HERITAGE AREA FEDERAL FINANCIAL ASSISTANCE	15.939	FREEDOM'S FRONTIER NATIONAL HERITAGE AREA	N/A	-	2,393
DEPARTMENT OF THE INTERIOR PASS THROUGH PROGRAMS Total				<u>209,343</u>	<u>1,760,289</u>
DEPARTMENT OF THE INTERIOR Total				<u>232,712</u>	<u>2,565,421</u>
DEPARTMENT OF JUSTICE					
DEPARTMENT OF JUSTICE DIRECT PROGRAMS					
GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS	16.525			-	110,081
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560			97,839	1,160,000
SPECIAL DATA COLLECTIONS AND STATISTICAL STUDIES	16.734			-	20,609
			DJA-15-AHDQ-K-0184/	-	-
ATF EXPLOSIVE ENGINEERING COURSES	16.RD		2016-BJ-R-1280	-	465,384
DEPARTMENT OF JUSTICE DIRECT PROGRAMS Total				<u>97,839</u>	<u>1,756,074</u>
DEPARTMENT OF JUSTICE PASS THROUGH PROGRAMS					
STATE JUSTICE STATISTICS PROGRAM FOR STATISTICAL ANALYSIS CENTERS	16.550	MISSOURI DEPARTMENT OF PUBLIC SAFETY	N/A	-	39,866
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560	UNIVERSITY OF VIRGINIA	GG11811 147780	-	16,054
CRIME VICTIM ASSISTANCE	16.575	MISSOURI DEPARTMENT OF PUBLIC SAFETY	2016-2017 VOCA	-	-
		MISSOURI DEPARTMENT OF PUBLIC SAFETY	2016-WY-VOCA-051-NC	-	53,380
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER130180034	-	-
CRIME VICTIM ASSISTANCE	16.575	MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER130180111	-	200,400
		NATIONAL 4-H COUNCIL	4-H NMP6	-	-
		NATIONAL 4-H COUNCIL	4-H NMP7	-	-
JUVENILE MENTORING PROGRAM	16.726	NATIONAL 4-H COUNCIL	4-H NMP8	-	282,401
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738	KANSAS CITY MISSOURI POLICE DEPARTMENT	2016-WY-BX-0006	9,361	54,644
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738	MISSOURI DEPARTMENT OF NATURAL RESOURCES	C315216001	-	42,700

UNIVERSITY OF MISSOURI SYSTEM
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<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Federal Expenditures</i>
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751	CITY OF ST. LOUIS METRO POLICE DEPARTMENT	2016-DG-BX-K001	\$ -	\$ 54,251
IMPROVING THE INVESTIGATION AND PROSECUTION OF CHILD ABUSE AND THE REGIONAL AND LOCAL CHILDREN'S ADVOCACY CENTERS	16.758	MISSOURI KIDSFIRST	18-STLO-MO-SA17	-	7,000
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817	CITY OF ST. LOUIS DEPARTMENT OF HEALTH	HD Contract #16-27	-	34,374
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817	JACKSON COUNTY MISSOURI	19223	-	5,499
CHILDREN OF INCARCERATED PARENTS	16.831	NATIONAL 4-H COUNCIL	N/A	-	12,006
DEPARTMENT OF JUSTICE PASS THROUGH PROGRAMS Total				9,361	802,575
DEPARTMENT OF JUSTICE Total				107,200	2,558,649
DEPARTMENT OF LABOR					
DEPARTMENT OF LABOR PASS THROUGH PROGRAMS					
YOUTHBUILD	17.274	JOB POINT	N/A	-	(1,643)
WIA DISLOCATED WORKER FORMULA GRANTS	17.278	MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	99-21-16-17	-	203,247
APPRENTICESHIP USA GRANTS	17.285	MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	99-21-16-17	-	53,019
DEPARTMENT OF LABOR Total				-	254,623
DEPARTMENT OF STATE					
DEPARTMENT OF STATE DIRECT PROGRAMS					
PUBLIC DIPLOMACY PROGRAMS	19.040			-	38,477
DEPARTMENT OF STATE DIRECT PROGRAMS Total				-	38,477
DEPARTMENT OF STATE PASS THROUGH PROGRAMS					
INVESTING IN PEOPLE IN THE MIDDLE EAST AND NORTH AFRICA	19.021	IRESX	FY16-IJLP-UMC-03	-	(109)
BUREAU OF WESTERN HEMISPHERE AFFAIRS (WHA) GRANT PROGRAMS (INCLUDING ENERGY AND CLIMATE PARTNERSHIP FOR THE AMERICAS)	19.750	CENTRO DE DESARROLLO ESPRESARIAL PARA LA	N/A	-	12,003
DEPARTMENT OF STATE PASS THROUGH PROGRAMS Total				-	11,894
DEPARTMENT OF STATE Total				-	50,371
DEPARTMENT OF TRANSPORTATION					
DEPARTMENT OF TRANSPORTATION DIRECT PROGRAMS					
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109			899,994	1,127,750
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200			2,040	45,230
PUBLIC TRANSPORTATION RESEARCH	20.514			-	86,884
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701			701,687	1,608,522
PIPELINE SAFETY RESEARCH COMPETITIVE ACADEMIC AGREEMENT PROGRAM (CAAP)	20.724			-	165,988
DEPARTMENT OF TRANSPORTATION DIRECT PROGRAMS Total				1,603,721	3,034,374
DEPARTMENT OF TRANSPORTATION PASS THROUGH PROGRAMS					
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	BOOZ ALLEN HAMILTON	SP900139BAH	-	57,198
		IOWA STATE UNIVERSITY	17970	-	28,220
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	IOWA STATE UNIVERSITY	17972	-	45,685
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	OKLAHOMA DEPARTMENT OF TRANSPORTATION	3459056367	-	30,557
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	PARSONS BRINCKERHOFF INC	Task Order No. 03	-	6,208
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	PURDUE UNIVERSITY	4108-68289	-	30,146
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	SHANNON & WILSON INC	23-1-01565	-	57,205
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	TRANSPORTATION RESEARCH BOARD	HR 04-40	-	141,762
HIGHWAY PLANNING AND CONSTRUCTION	20.205	TRANSPORTATION RESEARCH BOARD	HR 20-05(47-03)	-	(211)
HIGHWAY PLANNING AND CONSTRUCTION	20.205	CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0613	-	47,305
HIGHWAY PLANNING AND CONSTRUCTION	20.205	EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	17221-MoRAP-063017	-	25,566
HIGHWAY PLANNING AND CONSTRUCTION	20.205	IOWA DEPARTMENT OF TRANSPORTATION	19998	-	-
HIGHWAY PLANNING AND CONSTRUCTION	20.205	IOWA DEPARTMENT OF TRANSPORTATION	TPF-5(295) #19025	-	-
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MARQUETTE UNIVERSITY	0092-16-01	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	OJT FY 17001	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201601	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201801	-	-
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	Ttyy1101	-	435,566
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201713	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201714	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201717	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201722	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201804	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201806	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201807	-	-
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TR201809	-	429,902
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201518	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201613	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201614	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201616	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201701	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201702	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201703	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201704	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201705	-	-
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TR201712	-	255,487
HIGHWAY PLANNING AND CONSTRUCTION	20.205	PROFESSIONAL SERVICE INDUSTRIES, INC.	N/A	-	6,774
HIGHWAY PLANNING AND CONSTRUCTION	20.205	UNIVERSITY OF WISCONSIN PLATTEVILLE	N/A	-	23,657
HIGHWAY PLANNING AND CONSTRUCTION	20.205	WISCONSIN DEPARTMENT OF TRANSPORTATION	0092-16-07	-	59,771
HIGHWAY TRAINING AND EDUCATION	20.215	IOWA STATE UNIVERSITY	436-77-35	-	37,522
FORMULA GRANTS FOR RURAL AREAS	20.509	MISSOURI DEPARTMENT OF TRANSPORTATION	N/A	-	115,439
FORMULA GRANTS FOR RURAL AREAS	20.509	MISSOURI DEPARTMENT OF TRANSPORTATION	RTAP	-	86,795
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-CP-09-005	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-DE-02-003	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-EM-02-001	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	18-CP-09-006	-	-
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	MISSOURI DEPARTMENT OF TRANSPORTATION	18-DE-02-001	31,897	488,647
		MISSOURI DEPARTMENT OF TRANSPORTATION	18-EM-02-001	-	-
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-154-AL-114	-	-
ALCOHOL OPEN CONTAINER REQUIREMENTS	20.607	MISSOURI DEPARTMENT OF TRANSPORTATION	18-154-AL-182	7,130	155,657
NATIONAL PRIORITY SAFETY PROGRAMS	20.616	MISSOURI DEPARTMENT OF TRANSPORTATION	18-MSTR-03-003	-	245,996
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	IOWA STATE UNIVERSITY	436-77-40	20,040	475,110
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	UNIVERSITY OF ALASKA	UAF 17-0108 / PO P0515932	-	246,030
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	UNIVERSITY OF NEBRASKA LINCOLN	25-1121-0005-130	-	153,505
INTERAGENCY HAZARDOUS MATERIALS PUBLIC SECTOR TRAINING AND PLANNING GRANTS	20.703	MISSOURI OFFICE OF ADMINISTRATION	CS160215002	-	3,515
ENHANCING SAFETY RISK MANAGEMENT WITH QUANTITATIVE MEASURES	20.RD	VIRGINIA SPACE CONSORTIUM	N/A	-	601
NCHRP 12-104: GUIDELINES TO IMPROVE THE QUALITY OF ELEMENT-LEVEL BRIDGE INSPECTION DATA	20.RD	TRANSPORTATION RESEARCH BOARD	HR 12-104	32,235	114,649
NCHRP18-17 ENTRAINED AIR VOID SYSTEM FOR DURABLE HIGHWAY CONCRETE	20.RD	IOWA STATE UNIVERSITY	428-17-14A	-	82,505
RUNWAY CONDITION INDEX STUDY FOR STATE FUNDED AIRPORTS	20.RD	APPLIED RESEARCH ASSOCIATES INC	S-003057-00.UMO	-	24,905
SLOPE INSTRUMENTATION AND DEVELOPMENT OF A LANDSLIDE WARNING SYSTEM	20.RD	UNIVERSITY OF HAWAII	MA1239	-	8,232

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Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Federal Expenditures
DEVELOPMENT OF DESIGN GUIDANCE FOR BELOW GROUND MASS HIGH PERFORMANCE CONCRETE POURS	20.U01	WSP USA INC	Task Order 4	\$ -	\$ 52,647
DEPARTMENT OF TRANSPORTATION PASS THROUGH PROGRAMS Total				91,302	3,972,553
DEPARTMENT OF TRANSPORTATION Total				1,695,023	7,006,927
DEPARTMENT OF TREASURY					
DEPARTMENT OF TREASURY DIRECT PROGRAMS					
LOW INCOME TAXPAYER CLINICS	21.008			-	119,074
VOLUNTEER INCOME TAX ASSISTANCE (VITA) MATCHING GRANT PROGRAM	21.009			-	53,353
DEPARTMENT OF TREASURY DIRECT PROGRAMS Total				-	172,427
DEPARTMENT OF TREASURY PASS THROUGH PROGRAMS					
STUDY ON THE PERFORMANCE OF BRIDGES	21.RD	TRANSPORTATION RESEARCH BOARD	2000009045	-	22,348
DEPARTMENT OF TREASURY PASS THROUGH PROGRAMS Total				-	22,348
DEPARTMENT OF TREASURY Total				-	194,775
APPALACHIAN REGIONAL COMMISSION					
APPALACHIAN REGIONAL COMMISSION PASS THROUGH PROGRAMS					
APPALACHIAN RESEARCH, TECHNICAL ASSISTANCE, AND DEMONSTRATION PRO.	23.011	APPALACHIAN REGIONAL COMMISSION	CO-18963-17	20,000	131,500
APPALACHIAN REGIONAL COMMISSION Total				20,000	131,500
US CENSUS BUREAU					
US CENSUS BUREAU DIRECT PROGRAMS					
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011			-	146,590
US CENSUS BUREAU Total				-	146,590
FEDERAL TRADE COMMISSION					
FEDERAL TRADE COMMISSION DIRECT PROGRAMS					
FAIR COMPETITION COUNSELING AND INVESTIGATION OF COMPLAINTS	36.001			-	4,865
FEDERAL TRADE COMMISSION Total				-	4,865
NATIONAL AERONAUTICS & SPACE ADMINISTRATION					
NATIONAL AERONAUTICS & SPACE ADMINISTRATION DIRECT PROGRAMS					
SCIENCE	43.001			21,544	466,743
EXPLORATION	43.003			-	49,367
SPACE OPERATIONS	43.007			-	2,500
EDUCATION	43.008			408,468	1,070,198
CROSS AGENCY SUPPORT	43.009			6,830	24,511
SPACE TECHNOLOGY	43.012			-	490,417
NATIONAL AERONAUTICS & SPACE ADMINISTRATION DIRECT PROGRAMS Total				436,842	2,103,736
NATIONAL AERONAUTICS & SPACE ADMINISTRATION PASS THROUGH PROGRAMS					
SCIENCE	43.001	JET PROPULSION LABORATORY	1545559	-	61,908
		JET PROPULSION LABORATORY	1549171	-	-
		JET PROPULSION LABORATORY	RSA 1563602	-	-
		JET PROPULSION LABORATORY	RSA1595819	-	-
		SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO6-17130X	-	-
		SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO7-18123A	-	33,886
		SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15040.001-A	-	15,190
		UNIVERSITY OF ARIZONA	322680	-	157
		UNIVERSITY OF MINNESOTA	H006036602	-	9,477
		NATIONAL INSTITUTE OF AEROSPACE	C16-2B00-MST	-	28,410
		WICHITA STATE UNIVERSITY	WSUSUB10430	-	49,660
BUILDING THE SPT-HST LEGACY: IMAGING MASSIVE CLUSTERS TO Z=1.5	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-15307.003-A	-	13,649
CLIMATIC AND SOCIOECONOMIC DRIVERS OF LAND-COVER AND LAND-USE CHANGE IN TROPICAL ANDEAN ALPINE WETLANDS	43.RD	SCIENCE SYSTEMS AND APPLICATIONS INC	21512-16-003	22,265	67,458
DESIGN OF AN ADAPTIVE REAL-TIME MILLIMETER WAVE IMAGING SYSTEM FOR IN-SPACE NDT APPLICATIONS	43.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30099-SC1659	-	37,000
DETERMINING THE ROLE OF MERGING IN THE GROWTH OF THE GALAXY CLUSTER POPULATION IN THE MASSIVE AND DISTANT CLUSTERS OF WISE SURVEY	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-14456.001-A	-	4,561
FREQUENCY SELECTIVE SURFACE-BASED SENSING FOR WIRELESS STRUCTURAL HEALTH MONITORING	43.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F30097-500-01-SC1658	-	24,432
SEE CHANGE: TESTING TIME-VARYING DARK ENERGY WITH Z > 1 SUPERNOVAE AND THEIR MASSIVE CLUSTER HOSTS	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-13677.015-A	-	4,524
SNAPSHOTS OF MASSIVE GALAXY CLUSTERS AT Z~1 FROM THE MASSIVE AND DISTANT CLUSTERS OF WISE SURVEY	43.RD	JET PROPULSION LABORATORY	1540175	-	(1,915)
UNIFYING THE INTERSTELLAR EXTINCTION AND ELEMENTAL ABUNDANCES: A COMPREHENSIVE STUDY OF THE DUST PROPERTIES IN INDIVIDUAL INTERSTELLAR SIGHT LINES	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15037.001-A	-	44,084
NATIONAL AERONAUTICS & SPACE ADMINISTRATION PASS THROUGH PROGRAMS Total				22,265	392,481
NATIONAL AERONAUTICS & SPACE ADMINISTRATION Total				459,107	2,496,217
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES					
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES DIRECT PROGRAMS					
PROMOTION OF THE ARTS, GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024			-	65,780
PROMOTION OF THE HUMANITIES, DIVISION OF PRESERVATION AND ACCESS	45.149			-	2,290
PROMOTION OF THE HUMANITIES, RESEARCH	45.161			63,556	86,036
PROMOTION OF THE HUMANITIES, TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT	45.162			-	42,267
PROMOTION OF THE HUMANITIES, PROFESSIONAL DEVELOPMENT	45.163			-	85,271
MUSEUMS FOR AMERICA	45.301			-	64,884
NATIONAL LEADERSHIP GRANTS	45.312			-	33,444
Laura Bush 21st Century Librarian Program	45.313			-	11,346
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES DIRECT PROGRAMS Total				63,556	391,318
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES PASS THROUGH PROGRAMS					
PROMOTION OF THE ARTS, PARTNERSHIP AGREEMENTS	45.025	MID AMERICAN ARTS ALLIANCE	N/A	-	22,300
PROMOTION OF THE ARTS, PARTNERSHIP AGREEMENTS	45.025	MISSOURI ARTS COUNCIL	18PAR00010	-	25,000
PROMOTION OF THE HUMANITIES, FEDERAL/STATE PARTNERSHIP	45.129	MISSOURI HUMANITIES COUNCIL	2114	-	-
		MISSOURI HUMANITIES COUNCIL	N/A	-	13,825
GRANTS TO STATES	45.310	MISSOURI STATE LIBRARY	2016-LSD6-DIG16CN6-8296	-	9,403
Laura Bush 21st Century Librarian Program	45.313	WGBH EDUCATIONAL FOUNDATION	2017-LCE6-SHM16CN6-8666	-	8,058
			K201702146	-	-
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES PASS THROUGH PROGRAMS Total				-	78,586
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES Total				63,556	469,904
NATIONAL SCIENCE FOUNDATION					
NATIONAL SCIENCE FOUNDATION DIRECT PROGRAMS					
ENGINEERING GRANTS	47.041			2,320	4,087,419
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			61,412	4,074,703

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<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Federal Expenditures</i>
GEOSCIENCES	47.050			\$ -	\$ 837,375
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			21,911	2,105,444
BIOLOGICAL SCIENCES	47.074			646,932	7,247,950
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075			116,884	1,242,075
EDUCATION AND HUMAN RESOURCES	47.076			418,693	3,714,389
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079			146,577	429,894
OFFICE OF INTEGRATIVE ACTIVITIES	47.083			1,596,369	4,160,189
IPA ASSIGNMENT FOR DR. CHENGSHAN XIAO TO A PROGRAM DIRECTOR POSITION IN THE CCS PROGRAM	47.RD		1539316	-	20,402
IPA: SHUBRA GANGOPADHYAY, PROGRAM DIRECTOR IN THE COMMUNICATIONS, CIRCUITS, AND SENSING SYSTEMS PROGRAM	47.RD		1650301	-	272,942
NATIONAL SCIENCE FOUNDATION DIRECT PROGRAMS Total				3,011,098	28,192,782
NATIONAL SCIENCE FOUNDATION PASS THROUGH PROGRAMS					
ENGINEERING GRANTS	47.041	CARNEGIE MELLON UNIVERSITY	1122191-351314	-	40,337
ENGINEERING GRANTS	47.041	GEORGE WASHINGTON UNIVERSITY	15-531	-	3,552
ENGINEERING GRANTS	47.041	IMPEDX DIAGNOSTICS	N/A	-	41,449
ENGINEERING GRANTS	47.041	MHIRAB NANOTECHNOLOGY LLC	1622881	-	40,042
ENGINEERING GRANTS	47.041	MISSISSIPPI STATE UNIVERSITY	060100.362600.01	-	(308)
ENGINEERING GRANTS	47.041	NORTH CAROLINA STATE UNIVERSITY	2008-1015-03	-	219,785
ENGINEERING GRANTS	47.041	RUTGERS UNIVERSITY	STUBAWARD NO. 0002	-	53,947
ENGINEERING GRANTS	47.041	SMART HEALTH BEACONS	IR-1648907	-	42,636
ENGINEERING GRANTS	47.041	SYRACUSE UNIVERSITY	28250-04301-802	-	3,022
ENGINEERING GRANTS	47.041	THERMOFLOW LABS	N/A	-	32,787
ENGINEERING GRANTS	47.041	TUFTS UNIVERSITY	100854-00001	-	46,204
ENGINEERING GRANTS	47.041	UNIVERSITY OF ARKANSAS	SA1610096	-	48,249
ENGINEERING GRANTS	47.041	UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200001492-18-080	-	23,670
ENGINEERING GRANTS	47.041	UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION	ULRF 16-1120-01	-	(1,539)
ENGINEERING GRANTS	47.041	UNIVERSITY OF WASHINGTON	UWSC8873	-	20,909
ENGINEERING GRANTS	47.041	WORCESTER POLYTECHNIC INSTITUTE	16-204140-01	-	48,877
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	NATIONAL RADIO ASTRONOMY OBSERVATORY	1519126	-	1,742
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	NORTHWESTERN UNIVERSITY	SP0013743-PROJ000365	-	27,348
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	VIRGINIA TECH UNIVERSITY	479342-19228	-	43,956
GEOSCIENCES	47.050	COLUMBIA UNIVERSITY	69(GG009393)	-	19,082
GEOSCIENCES	47.050	UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	FY2015-091	-	12,070
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	NEW JERSEY INSTITUTE FOR TECHNOLOGY	996634	-	55,748
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	UNIVERSITY OF NORTH TEXAS	GF30029-1	-	19,216
BIOLOGICAL SCIENCES	47.074	CARY INSTITUTE OF ECOSYSTEM STUDIES	3335200201871	-	16,779
BIOLOGICAL SCIENCES	47.074	COLORADO STATE UNIVERSITY	G-4023-1	-	14,558
BIOLOGICAL SCIENCES	47.074	CORNELL UNIVERSITY	67183-10109	-	118,896
BIOLOGICAL SCIENCES	47.074	INSTITUTE OF ECOSYSTEM STUDIES	3161200201409	-	673
BIOLOGICAL SCIENCES	47.074	ST. LOUIS UNIVERSITY	eRS# 39493	-	17,214
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF GEORGIA	RC371-288/S000904	-	541,711
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF GEORGIA	SUB00000817	-	27,317
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF MINNESOTA	H004551101	-	131,242
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF RHODE ISLAND	0004451/102615	-	288,514
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF RHODE ISLAND	4451/102615	-	28,668
BIOLOGICAL SCIENCES	47.074	WASHINGTON STATE UNIVERSITY	118996 G003358	-	11,106
EDUCATION AND HUMAN RESOURCES	47.076	WORCESTER POLYTECHNIC INSTITUTE	16-203730-00	-	161,9639
EDUCATION AND HUMAN RESOURCES	47.076	AMERICAN ASTRONOMICAL SOCIETY	N/A	-	68,792
EDUCATION AND HUMAN RESOURCES	47.076	HARRIS STOWE STATE COLLEGE	1619639	-	201
EDUCATION AND HUMAN RESOURCES	47.076	HARRIS STOWE STATE COLLEGE	40A70-B	-	27,228
EDUCATION AND HUMAN RESOURCES	47.076	HUNTER COLLEGE OF THE CITY UNIVERSITY OF NEW YORK	A17-0061-5002	-	27,186
EDUCATION AND HUMAN RESOURCES	47.076	ILLINOIS STATE UNIVERSITY	77903-1139096-3	-	5,000
EDUCATION AND HUMAN RESOURCES	47.076	RESEARCH FOUNDATION OF SUNY	N/A	-	42,307
EDUCATION AND HUMAN RESOURCES	47.076	STATE UNIVERSITY OF NEW YORK AT BUFFALO	N/A	-	36,655
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF COLORADO AT BOULDER	1550703	-	9,199
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF MARYLAND	47965-Z4772001	-	60
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF NEBRASKA LINCOLN	25-6238-0781-002	-	37,250
BUILDING WITH BIOLOGY FORUM 2018	47.RD	MUSEUM OF SCIENCE BOSTON	N/A	-	30,825
EXPANDING THE STATEWIDE I-CORPS SITE PROGRAM	47.RD	MISSOURI TECHNOLOGY CORPORATION	2017-23-019	-	2,324,162
BUILDING A STATEWIDE I-CORPS SITE PROGRAM	47.U01	MISSOURI TECHNOLOGY CORPORATION	N/A	-	30,516,944
NATIONAL SCIENCE FOUNDATION PASS THROUGH PROGRAMS Total				3,011,098	30,516,944
NATIONAL SCIENCE FOUNDATION Total				3,011,098	30,516,944
SMALL BUSINESS ADMINISTRATION					
SMALL BUSINESS ADMINISTRATION DIRECT PROGRAMS					
SMALL BUSINESS DEVELOPMENT CENTERS	59.037			973,580	2,510,354
PRIME TECHNICAL ASSISTANCE	59.050			14,565	20,953
SCALEUP AMERICA	59.U01		SBAHQ-14-C-0025	-	139,746
SMALL BUSINESS ADMINISTRATION Total				988,145	2,671,053
DEPARTMENT OF VETERANS AFFAIRS					
DEPARTMENT OF VETERANS AFFAIRS DIRECT PROGRAMS					
IPA AGREEMENT WITH VA HEALTHCARE SYSTEM	64.RD		N/A	-	803,534
VETERANS ADMINISTRATION IPA	64.U01		N/A	-	64,630
DEPARTMENT OF VETERANS AFFAIRS DIRECT PROGRAMS Total				-	868,164
DEPARTMENT OF VETERANS AFFAIRS PASS THROUGH PROGRAMS					
IPA AGREEMENT WITH MINNEAPOLIS VA HEALTHCARE SYSTEM	64.RD	MINNEAPOLIS VA HEALTH CARE SYSTEM	N/A	-	27,722
DEPARTMENT OF VETERANS AFFAIRS PASS THROUGH PROGRAMS Total				-	27,722
DEPARTMENT OF VETERANS AFFAIRS Total				-	895,886
ENVIRONMENTAL PROTECTION AGENCY					
ENVIRONMENTAL PROTECTION AGENCY DIRECT PROGRAMS					
SURVEYS, STUDIES, INVESTIGATIONS, DEMONSTRATIONS, AND TRAINING GRANTS AND COOPERATIVE AGREEMENTS - SECTION 104(B)(3) OF THE CLEAN WATER ACT	66.436			-	6,629
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461			-	121,456
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509			109,326	146,743
GREATER RESEARCH OPPORTUNITIES (GRO) FELLOWSHIPS FOR UNDERGRADUATE ENVIRONMENTAL STUDY	66.513			-	15,235
POLLUTION PREVENTION GRANTS PROGRAM	66.708			-	25,835
ENVIRONMENTAL PROTECTION AGENCY DIRECT PROGRAMS Total				109,326	315,898
ENVIRONMENTAL PROTECTION AGENCY PASS THROUGH PROGRAMS					
WATER POLLUTION CONTROL STATE, INTERSTATE, AND TRIBAL PROGRAM SUPPORT	66.419	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	-	81,243
		MISSOURI DEPARTMENT OF AGRICULTURE	G13-NPS-07	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	G16-NPS-02	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	G16-NPS-03	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	G17-NPS-04	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	G17-NPS-05	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	G18-NPS-04	-	-
		MISSOURI DEPARTMENT OF AGRICULTURE	G18-NPS-05	-	-
NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460	MISSOURI DEPARTMENT OF AGRICULTURE	N/A	-	389,451

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NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460	SCHUYLER COUNTY SOIL & WATER CONSERVATION DISTRICT	G14-NPS-01	\$ -	\$ 12,504
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461	MISSOURI DEPARTMENT OF CONSERVATION	384	-	44,119
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS	66.468	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	-	36,845
PERFORMANCE PARTNERSHIP GRANTS	66.605	MISSOURI DEPARTMENT OF AGRICULTURE	N/A	-	82,279
RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, TRAINING, DEMONSTRATIONS, AND STUDIES	66.716	EXTENSION FOUNDATION	SA-2017-56	-	6,637
ANALYSIS OF MULTI-WALLED CARBON NANOTUBE RELEASED FROM POLYMER MATRIX USING SP-ICP-MS	66.RD	PEGASUS TECHNICAL SERVICES INC	MS&T-17-001	-	18,660
INVESTIGATION OF NANOPARTICLES FATE IN SIMULATED GASTRIC FLUID USING SP-ICP-MS	66.RD	PEGASUS TECHNICAL SERVICES INC	MS&T-18-001 EP-C-15-010	-	11
PERFLUOROOCTANOIC ACID (PFOA), PERFLUOROOCTANE SULFONATE (PFOS), HARMFUL ALGAE, ALGAL TOXIN OCCURRENCE SCREENING, AND TASTE/ODOR CONTROL IN MISSOURI DRINKING WATER SYSTEMS	66.RD	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	3,500	106,756
TECHNOLOGY ASSISTANCE TO MISSOURI UTILITIES TO MEET DBP'S	66.U01	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	-	8,542
ENVIRONMENTAL PROTECTION AGENCY PASS THROUGH PROGRAMS Total				3,500	787,047
ENVIRONMENTAL PROTECTION AGENCY Total				112,826	1,102,945
NUCLEAR REGULATORY COMMISSION					
NUCLEAR REGULATORY COMMISSION DIRECT PROGRAMS					
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM	77.008			-	905,848
NUCLEAR REGULATORY COMMISSION Total				-	905,848
DEPARTMENT OF ENERGY					
DEPARTMENT OF ENERGY DIRECT PROGRAMS					
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049			494,136	2,266,432
CONSERVATION RESEARCH AND DEVELOPMENT	81.086			245,116	515,221
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087			821,670	1,127,780
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089			81,388	382,547
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112			-	72,945
ENERGY EFFICIENCY AND RENEWABLE ENERGY INFORMATION DISSEMINATION, OUTREACH, TRAINING AND TECHNICAL ANALYSIS/ASSISTANCE	81.117			67,961	252,780
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121			59,305	970,269
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135			-	118,944
MISSOURI S&T SOLAR HOUSE 2017	81.RD		N/A	-	125,000
DEPARTMENT OF ENERGY DIRECT PROGRAMS Total				1,769,576	5,831,918
DEPARTMENT OF ENERGY PASS THROUGH PROGRAMS					
STATE ENERGY PROGRAM	81.041	MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	N/A	-	2,500
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	COLD SPRING HARBOR LABORATORY	51850113	-	19,245
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DONALD DANFORTH PLANT SCIENCE CENTER	23410-M	-	4,298
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710004152	-	115,308
		MISSOURI SCIENCE CORPORATION	00050313	-	-
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	MISSOURI SCIENCE CORPORATION	N/A	-	18,142
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	NORTH CAROLINA STATE UNIVERSITY	2015-2076-01	-	95,995
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	PHDS CO	N/A	-	8,028
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	THERMOFLOW LABS	N/A	-	16,561
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UES	S-133-000-001	-	21,509
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF SOUTHERN CALIFORNIA	68291175	-	111,439
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF TEXAS AUSTIN	UTA15-001186	160,394	687,847
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF WASHINGTON	UWSC9930	-	21,975
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	AMES LABORATORY	SC-15-433	-	21,368
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	UNIVERSITY OF FLORIDA	UF13014 > UFDSP00011010	-	(2,591)
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	GAS TECHNOLOGY INSTITUTE	S733-22166	-	104,907
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	MINNESOTA INSTITUTE OF MINING AND TECHNOLOGY	N/A	-	28,357
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	MISSOURI STATE UNIVERSITY	DE-FE0031554	-	5,802
DEFENSE NUCLEAR NONPROLIFERATION RESEARCH	81.113	GENERAL ATOMICS	4500063419	-	5,140,861
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	IDAHO STATE UNIVERSITY	16-0226A	-	12,936
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	ADVANCED COOLING TECHNOLOGY INC	24019	-	206,245
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	GAS TECHNOLOGY INSTITUTE	22144	-	189,325
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	GEORGIA INSTITUTE OF TECHNOLOGY	RH140-G1	-	31,940
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	REDWAVE ENERGY INC	UoM-0529-16	-	91,895
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	UNIVERSITY OF FLORIDA	UFDSP00012000	-	217,237
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	VIRGINIA COMMONWEALTH UNIVERSITY	FP00001756-SA002	-	124,940
ADDITIVE MANUFACTURING OF BATTERIES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000217910	29,999	106,529
ADDITIVE MANUFACTURING OF BATTERIES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000258110	4,550	101,311
ADDITIVE MANUFACTURING OF CERAMIC AND CERAMIC COMPOSITES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000215350	-	80,664
ADDITIVE MANUFACTURING RAW MATERIAL ANALYSIS	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	PO# N000186386	-	(20)
ADDITIVE MANUFACTURING RAW MATERIAL ANALYSIS II	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000217275	-	3,821
ALUMINA BRAZE METHOD	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	1,300
AM OF CERAMIC COMPOSITES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000261784	-	45,142
BEHAVIOR OF IMPLANTED HELIUM BELOW TUNGSTEN SURFACES, AS STUDIED BY LARGE-SCALE MOLECULAR DYNAMICS (MD) SIMULATIONS IN SUPPORT OF ORNL (SAO 6400013317)	81.RD	BATTELLE OAK RIDGE NATIONAL LABORATORY	4000135920	-	39,494
BUILDING AND CONFIGURING A GLASS MELTING ADDITIVE MANUFACTURING SYSTEM	81.RD	LOS ALAMOS NATIONAL LABORATORY	487084	-	53,800
COATING ULTRATHIN CONDUCTIVE POLYMER ON POROUS SUBSTRATE	81.RD	PACIFIC NORTHWEST NATIONAL LABORATORY	389090	-	16,624
COUNTERING PATHOGEN INTERFACES WITH HUMAN DEFENSES	81.RD	LOS ALAMOS NATIONAL LABORATORY	363436	-	39,179
CREATION OF AN ADAPTIVE REMAINING LIFETIME PREDICTION MODEL OF POWER ELECTRONICS	81.RD	NATIONAL RENEWABLE ENERGY LABORATORY	XFC-7-62302-01	-	50,022
DEMONSTRATION OF EFFECTIVENESS OF DCCP AND ITS MEASUREMENT PRINCIPLE	81.RD	PURDUE UNIVERSITY	4105-78626	-	7,960
DESIGN FOR MITIGATION OF ELECTROMAGNETIC NOISE COUPLING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000220289	-	41,101
DEVELOPMENT AND FABRICATION OF THIN FILM PASSIVE DEVICES ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AND LAMINATE SUBSTRATES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000185613	-	103,458
DEVELOPMENT OF LARGE MASS HELICAL LAUNCHER	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000174953	-	35,556
DNS COMPUTATIONS OF TURBULENT PRESSURE FLUCTUATIONS ON A CONE IN A WIND TUNNEL	81.RD	SANDIA NATIONAL LABORATORY	1885712	-	9,610
FREQUENCY RESPONSE INSPECTION OF ADDITIVELY MANUFACTURED PARTS FOR DEFECT IDENTIFICATION	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000182444	-	92,747
FREQUENCY RESPONSE INSPECTION OF ADDITIVELY MANUFACTURED PARTS FOR DEFECT IDENTIFICATION	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000261348	-	3,837
FUTURE GLASS SEALS	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000259995	-	6,262
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N0000262729	-	7,565
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000224172	-	40,206
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000262729	-	67,121
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN CIRCULAR PIPES FOR HEAT TRANSFER	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000216415	-	70,720
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN CIRCULAR PIPES FOR HEAT TRANSFER	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000260325	-	30,698

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SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
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<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Federal Expenditures</i>
LANL/MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY CYBER SECURITY SCIENCES INSTITUTE	81.RD	LOS ALAMOS NATIONAL LABORATORY	259565	\$ -	\$ 74,768
MATERIALS SCIENCE & ENGINEERING SENIOR DESIGN GROUP #14	81.RD	SANDIA NATIONAL LABORATORY	1750202	-	1,687
METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000216452	-	706,583
METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000256497	-	325,843
MINIATURIZED RADAR ASSEMBLY PROJECT	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	2,443
MISSOURI OZARK AMERIFLUX (MOFLUX) PROJECT PHASE FOUR	81.RD	OAK RIDGE NATIONAL LABORATORY	4000150689	-	145,268
MOLECULAR MECHANISMS GOVERNING MERCURY BIOGEOCHEMICAL TRANSFORMATIONS	81.RD	OAK RIDGE NATIONAL LABORATORY	4000147581	-	48,460
NUCLEAR REACTOR UPGRADE	81.RD	PACIFIC NORTHWEST NATIONAL LABORATORY	234597	-	3,540
PREDICTING THE PERFORMANCE AND IMPACT OF DYNAMIC PFC SURFACES	81.RD	BATTELLE OAK RIDGE NATIONAL LABORATORY	4000159698	-	28,337
R&D AIRBORNE DUST EXPLOSION EVALUATION	81.RD	CONSOLIDATED NUCLEAR SECURITY LLC	4300096259	-	22,193
R&D AIRBORNE DUST EXPLOSION EVALUATION	81.RD	IDAHO NATIONAL LABORATORY	186624	-	80,881
RADAR 2021 - DEVELOPMENT AND FABRICATION OF THIN FILM PASSIVE DEVICES ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AND LAMINATE SUBSTRATES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000256504	-	85,977
RAPID DEDUCTION AND COMPARATIVE GENOMICS OF SURVIVAL MECHANISMS OF METAL-REDUCING MICROBES, FY 2012, 2013 & 2014 - WALL PROJECT TITLE:					
GENETICS AND PHYSIOLOGY OF ANAEROBIC MICROBES	81.RD	LAWRENCE BERKELEY NATIONAL LABORATORY	6700892	-	474,775
REAL TIME SIGNAL PROCESSING WITH MICROZED	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	1,000
SPIN COATING LTCC SUBSTRATES - SENIOR DESIGN	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000247472	-	62
SUMMER RESEARCH EXPERIENCE IN ADDITIVE MANUFACTURING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	12,775
ZNO EXTRUSION	81.RD	SANDIA NATIONAL LABORATORY	SPO1882854	-	4,181
PRELIMINARY SAR REVIEW AND CONVERSION TRANSITION PLANNING	81.U01	ARGONNE NATIONAL LABORATORY	6J-00005-0008A	-	140,045
PLANNING FOR BERYLLIUM REFLECTOR LIFETIME ANALYSIS AND FUEL ELEMENT FLOW TESTING	81.U02	ARGONNE NATIONAL LABORATORY	7J-30010-0001A	-	8,318
BERYLLIUM REFLECTOR LIFETIME EXTENSION STUDY	81.U03	ARGONNE NATIONAL LABORATORY	7J-30010-0002A	-	45,935
TOPOLOGY OPTIMIZATION DERIVED FROM CT	81.U04	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	536
AUTOMATED FASTENER INSTALLATION MACHINE WITH THREADLOCKING ADHESIVE	81.U05	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	687
TEMPERATURE DEPENDENT FRICTION MEASUREMENT	81.U06	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	909
ANALYZING BEST PRACTICES FOR ADDITIVE MANUFACTURING	81.U07	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	MU-F-2017-003	-	1,500
METAL AM OF DESIGN TEAM COMPONENT	81.U08	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	MU-F-2017-004	-	1,500
DEVELOPMENT OF MULTIROTOR VEHICLES EQUIPPED WITH AUTONOMOUS NAVIGATION AND AVOIDANCE SYSTEMS	81.U09	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	MU-F-2017-005	-	1,500
OPTIMIZE A COMPLIANT, 3D PRINTED WATCH ESCAPEMENT MECHANISMS WITH TOURBILLON	81.U10	MISSOURI DEPARTMENT OF AGRICULTURE	MU-F-2017-006	-	3,000
MULTIROTOR DEVELOPMENT - AUTONOMOUS NAVIGATION AND AVOIDANCE (CAPSTONE PROJECT)	81.U11	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	MU-S-02018-005	-	1,250
ULTEM PROPERTIES (CAPSTONE PROJECT)	81.U12	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	MU-S-2018-003	-	1,250
MULTIROTOR DEVELOPMENT - AUTONOMOUS NAVIGATION AND AVOIDANCE	81.U13	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000248423	-	10,000
AUDIO SPEAKER	81.U14	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000248432	-	2,500
OPTIMIZE A COMPLIANT 3D PRINTED WATCH ESCAPEMENT MECHANISM WITH TOURBILLON	81.U15	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000266221	-	4,000
PRESSURE CYCLING SYSTEM	81.U16	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	1,000
STEM X-RAY ROTATIONAL TOOL	81.U17	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	1,000
ULTRA SHORT PRESSURE ENVIRONMENT GENERATION	81.U18	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	1,000
DESIGN & FABRICATE UNIVERSAL STEP GAGE MOUNTING FIXTURE	81.U19	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	-	1,000
REQUEST FOR APPLICATION SUPPORT FOR DOE NETL REVIEWS	81.U20	KEYLOGIC	PO-5000-205-001	-	2,011
WATER DYNAMICS NEAR A HYDROPHILIC CUO SURFACE	81.U21	OAK RIDGE NATIONAL LABORATORY	4000157204	-	40,102
SMALL ANGLE NEUTRON SCATTERING OF 70S RIBOSOMES IN MULTIPLE CONFORMATIONAL STATES	81.U22	OAK RIDGE NATIONAL LABORATORY	4000158960	-	34,599
MURR SECURITY ENHANCEMENTS	81.U23	SANDIA NATIONAL LABORATORY	1846116	-	72,669
DEPARTMENT OF ENERGY PASS THROUGH PROGRAMS Total				194,943	10,745,860
DEPARTMENT OF ENERGY Total				1,964,519	16,577,778
DEPARTMENT OF EDUCATION					
DEPARTMENT OF EDUCATION DIRECT PROGRAMS					
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS	84.007			-	2,127,282
UNDERGRADUATE INTERNATIONAL STUDIES AND FOREIGN LANGUAGE PROGRAMS	84.016			-	66,779
FEDERAL WORK-STUDY PROGRAM	84.033			-	2,897,993
PERKINS LOAN PROGRAM	84.038			-	36,238,691
TRIO_STUDENT SUPPORT SERVICES	84.042			-	602,223
FEDERAL PELL GRANT PROGRAM	84.063			-	55,468,443
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200			-	1,173,782
TRIO_MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217			-	227,176
FEDERAL DIRECT STUDENT LOANS	84.268			-	369,887,711
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305			170,679	2,885,873
RESEARCH IN SPECIAL EDUCATION	84.324			4,022	58,064
SPECIAL EDUCATION- PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325			-	650,639
SPECIAL EDUCATION, TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326			21,392	56,461
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365			-	319,535
TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION GRANTS (TEACH GRANTS)	84.379			-	190,596
INVESTING IN INNOVATION (I3) FUND	84.411			1,273,103	2,449,479
DEPARTMENT OF EDUCATION DIRECT PROGRAMS Total				1,469,196	475,300,727
DEPARTMENT OF EDUCATION PASS THROUGH PROGRAMS					
ADULT EDUCATION - BASIC GRANTS TO STATES	84.002	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	25,773
CIVIL RIGHTS TRAINING AND ADVISORY SERVICES	84.004	INDIANA UNIVERSITY	N/A	-	16,572
TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES	84.010	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	198,693
MIGRANT EDUCATION, STATE GRANT PROGRAM	84.011	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	19,463
SPECIAL EDUCATION, GRANTS TO STATES	84.027	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	3,187,552
CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES	84.048	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	38,346
MINORITY SCIENCE AND ENGINEERING IMPROVEMENT	84.120	HARRIS STOWE STATE COLLEGE	N/A	-	4,616
REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.126	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	12,168	3,335,132
REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.126	MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER101140001	-	694
SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES_NATIONAL PROGRAMS	84.184	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	1,001,456
SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES_NATIONAL PROGRAMS	84.184	ST. LOUIS PUBLIC SCHOOLS	N/A	-	181,489
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287	BOONSLICK HEARTLAND YMCA	N/A	-	2,000

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<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Federal Expenditures</i>
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287	LOCAL INVESTMENT COMMISSION	LNC-17-E102305		474,400
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287	LOCAL INVESTMENT COMMISSION	LNC-18-E102561	\$ -	\$ 516,967
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	39,978
SPECIAL EDUCATION - STATE PERSONNEL DEVELOPMENT	84.323	JOHNS HOPKINS UNIVERSITY	2002639185	-	179,549
		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	
RESEARCH IN SPECIAL EDUCATION	84.324	UNIVERSITY OF MINNESOTA	A003348601	-	205,855
RESEARCH IN SPECIAL EDUCATION	84.324	UNIVERSITY OF MINNESOTA	A005942802	-	88,206
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.324	UNIVERSITY OF SOUTH FLORIDA	5810-1021-00-A	-	
	84.325	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	6,188
SPECIAL EDUCATION, TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326	UNIVERSITY OF OREGON	224440A	-	610,250
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	20,775
MATHEMATICS AND SCIENCE PARTNERSHIPS	84.366	ST. LOUIS PUBLIC SCHOOLS	N/A	-	28,824
IMPROVING TEACHER QUALITY STATE GRANTS	84.367	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	291,951
IMPROVING TEACHER QUALITY STATE GRANTS	84.367	MISSOURI DEPARTMENT OF HIGHER EDUCATION	N/A	140,870	506,998
			92-M001-SEED2016		
			92-M001-SEED2017-CRWPPD		
		NATIONAL WRITING PROJECT CORPORATION	92-M001-SEED2017-ILI		
		NATIONAL WRITING PROJECT CORPORATION	92-M003-SEED2017-CRWPPD		
		NATIONAL WRITING PROJECT CORPORATION	92-M003-Seed2017-ILI		
IMPROVING TEACHER QUALITY STATE GRANTS	84.367	NATIONAL WRITING PROJECT CORPORATION	92-M003-Seed2017-ILI	-	46,937
SCHOOL IMPROVEMENT GRANTS	84.377	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	125,922
INVESTING IN INNOVATION (I3) FUND	84.411	MORNINGSIDE CENTER FOR TEACHING	N/A	-	17,647
INVESTING IN INNOVATION (I3) FUND	84.411	NATIONAL WRITING PROJECT CORPORATION	92-M003-2017:3AI	-	16,700
RACE TO THE TOP - DISTRICT GRANTS	84.416	SPRINGDALE PUBLIC SCHOOLS	N/A	-	6,670
DEPARTMENT OF EDUCATION PASS THROUGH PROGRAMS Total				<u>153,038</u>	<u>11,195,603</u>
DEPARTMENT OF EDUCATION Total				<u>1,622,234</u>	<u>486,496,330</u>
NATIONAL ARCHIVES & RECORDS ADMINISTRATION					
NATIONAL ARCHIVES & RECORDS ADMINISTRATION DIRECT PROGRAMS					
PROJECT WHISTLESTOP 2017-2018	89.U01		NAR14TFLC-005	-	76,004
NATIONAL ARCHIVES & RECORDS ADMINISTRATION Total				<u>-</u>	<u>76,004</u>
DEPARTMENT OF HEALTH AND HUMAN SERVICES					
DEPARTMENT OF HEALTH AND HUMAN SERVICES DIRECT PROGRAMS					
COMPETITIVE ABSTINENCE EDUCATION (CAE)	93.060			-	373,915
BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE	93.073			128,956	278,203
HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS	93.086			1,220,619	2,030,914
FOOD AND DRUG ADMINISTRATION RESEARCH	93.103			-	20,214
AREA HEALTH EDUCATION CENTERS POINT OF SERVICE MAINTENANCE AND ENHANCEMENT AWARDS	93.107			68,933	87,319
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110			-	547,447
ENVIRONMENTAL HEALTH	93.113			49,552	1,122,322
ORAL DISEASES AND DISORDERS RESEARCH	93.121			415,265	2,441,107
NURSE ANESTHETIST TRAINEESHIPS	93.124			-	23,775
COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM	93.137			82,478	373,144
NIH SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION	93.143			-	13,500
HUMAN GENOME RESEARCH	93.172			-	132,101
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173			2,552	220,687
NURSING WORKFORCE DIVERSITY	93.178			-	27,695
GRADUATE PSYCHOLOGY EDUCATION PROGRAM AND PATIENT NAVIGATOR AND CHRONIC DISEASE PREVENTION PROGRAM	93.191			-	235,426
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213			-	100,555
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226			189,716	1,689,072
MENTAL HEALTH RESEARCH GRANTS	93.242			673,636	2,501,989
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243			269,483	3,341,481
ADVANCED NURSING EDUCATION GRANT PROGRAM	93.247			-	762,550
FAMILY PLANNING PERSONNEL TRAINING	93.260			-	618,395
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264			-	2,399,098
ALCOHOL RESEARCH PROGRAMS	93.273			36,807	2,756,152
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279			-	492,473
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283			25,223	80,075
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286			-	336,937
TRANS-NIH RESEARCH SUPPORT	93.310			39,547	637,119
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE	93.342			-	18,349,764
LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.351			-	5,340,462
RESEARCH INFRASTRUCTURE PROGRAMS	93.351			-	36,911
ADVANCED EDUCATION NURSING TRAINEESHIPS	93.359			-	
NURSE EDUCATION, PRACTICE QUALITY AND RETENTION GRANTS	93.359			265,662	541,451
NURSING RESEARCH	93.361			81,883	542,718
NURSING STUDENT LOANS	93.364			-	1,651,680
CANCER CAUSE AND PREVENTION RESEARCH	93.393			103,614	662,349
CANCER TREATMENT RESEARCH	93.395			240,879	896,130
CANCER BIOLOGY RESEARCH	93.396			-	324,609
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433			-	1,250,381
FAMILY TO FAMILY HEALTH INFORMATION CENTERS	93.504			-	117,829
HEAD START	93.600			-	177,658
AFFORDABLE CARE ACT INITIATIVE TO REDUCE AVOIDABLE HOSPITALIZATIONS AMONG NURSING FACILITY RESIDENTS	93.621			347,102	4,528,230
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631			16,600	40,420
UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES	93.632			-	569,498
EDUCATION, RESEARCH, AND SERVICE	93.647			59,838	136,285
SOCIAL SERVICES RESEARCH AND DEMONSTRATION	93.647				
MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS	93.732			-	244,352
CARDIOVASCULAR DISEASES RESEARCH	93.837			380,550	8,443,223
LUNG DISEASES RESEARCH	93.838			87,315	627,388
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846			62,168	1,911,882

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DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847			\$ 231,156	\$ 2,796,767
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			-	1,354,494
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855			520,734	4,543,689
MICROBIOLOGY AND INFECTIOUS DISEASES RESEARCH	93.856			-	171,525
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859			632,594	7,134,974
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865			-	1,990,422
AGING RESEARCH	93.866			202,459	1,048,519
VISION RESEARCH	93.867			-	1,385,517
MEDICAL LIBRARY ASSISTANCE	93.879			-	724,324
GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	93.884			-	246,975
HIV PREVENTION ACTIVITIES_NON-GOVERNMENTAL ORGANIZATION BASED COMPUTER METHODS FOR DIGITIZED HISTOLOGY IMAGE ANALYSIS AND BIOMEDICAL CLASSIFICATION	93.939			229,556	1,315,879
DEVELOPMENT OF A LOW COST LIDAR GROUND CONTROL HAZARD DETECTION NETWORK	93.RD		HHSN276201500691P	-	32,753
EVALUATION OF ACTIVE SUPPRESSION SYSTEMS FOR UNDERGROUND COAL MINE EXPLOSIONS	93.RD		200-2016-91155	-	173,387
LABORATORY DIABETES ANALYSIS FOR NHANES 2012-2017 SOLICITATION NUMBER 2012-N-14276	93.RD		200-2017-95256	-	64,036
LABORATORY DIABETES ANALYSES FOR NHANES 2016-2021	93.L01		200-2012-51278	-	15,797
			200-2017-91987	-	64,540
DEPARTMENT OF HEALTH AND HUMAN SERVICES DIRECT PROGRAMS Total				6,664,877	93,100,483
DEPARTMENT OF HEALTH AND HUMAN SERVICES PASS THROUGH PROGRAMS					
SPECIAL PROGRAMS FOR THE AGING_TITLE IV_AND TITLE II_DISCRETIONARY PROJECTS	93.048	NATIONAL ASSOCIATION OF STATE DIRECTORS OF DEVELOPMENTAL DISABIN/A		-	34,900
LABORATORY TRAINING, EVALUATION, AND QUALITY ASSURANCE PROGRAMS	93.064	CHILDRENS MERCY HOSPITAL	16-0010	-	181,233
		CHILDRENS MERCY HOSPITAL	1NU470E000105-01-00	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380109	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380007	-	191,347
ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE	93.070			-	-
BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE	93.073	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380143	-	29,988
BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE	93.073	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380003	-	6,595
COOPERATIVE AGREEMENTS TO PROMOTE ADOLESCENT HEALTH THROUGH SCHOOL-BASED HIV/STD PREVENTION AND SCHOOL-BASED SURVEILLANCE	93.079	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	4,288
BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM	93.080	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0011472N	-	10,612
WELL-INTEGRATED SCREENING AND EVALUATION FOR WOMEN ACROSS THE NATION	93.092	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380071	-	85,951
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103	MISSOURI DEPARTMENT OF AGRICULTURE	AOC14380111	-	-
			DH180012001	-	15,232
			N/A	-	47,307
			16045C-17	-	-
			16045C-18	-	-
			16055SOC	-	-
			16057SOC	-	-
			16058C-16	-	-
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104	ST. LOUIS MENTAL HEALTH BOARD	1701950C	-	383,577
AREA HEALTH EDUCATION CENTERS POINT OF SERVICE MAINTENANCE AND ENHANCEMENT AWARDS	93.107	A.T. STILL UNIVERSITY		-	51,686
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110	MASSACHUSETTS GENERAL HOSPITAL	226859	-	39,690
		MASSACHUSETTS GENERAL HOSPITAL	226858	-	-
		MASSACHUSETTS GENERAL HOSPITAL	226861	-	91,261
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110	PARENTS AS TEACHERS NATIONAL CENTER	N/A	-	3,464
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0012728N	-	21,463
ENVIRONMENTAL HEALTH	93.113	INDIANA UNIVERSITY	BL-4645301-UM	-	1,247
ENVIRONMENTAL HEALTH	93.113	UNIVERSITY OF NORTH CAROLINA AT GREENSBORO	20170011	-	36,004
ORAL DISEASES AND DISORDERS RESEARCH	93.121	WASHINGTON STATE UNIVERSITY	WU-17-285	-	117,739
COOPERATIVE AGREEMENTS TO STATES/TERRITORIES FOR THE COORDINATION AND DEVELOPMENT OF PRIMARY CARE OFFICES	93.130	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH170019001	-	4,680
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH170018005	-	480
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380068	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380087	-	77,728
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	INDIANA UNIVERSITY	BL-4635515-UMC	-	86,089
DISABILITIES PREVENTION	93.184	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380030	-	91,634
TELEHEALTH PROGRAMS	93.211	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	Z1N00030	-	87,011
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	Z1N00031	-	27,805
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	OREGON HEALTH SCIENCE UNIVERSITY	1005865_CUMissouri	-	-
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	RUTGERS UNIVERSITY	6117	-	20,700
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	UNIVERSITY OF OKLAHOMA	pre-award	-	64,845
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	UNIVERSITY OF PITTSBURGH	RS20140542	-	51,478
			0042771(125364-2)	-	-
TRAUMATIC BRAIN INJURY STATE DEMONSTRATION GRANT PROGRAM	93.234	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380035	35,000	192,789
AFFORDABLE CARE ACT (ACA) ABSTINENCE EDUCATION PROGRAM	93.235	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380071	-	-
STATE RURAL HOSPITAL FLEXIBILITY PROGRAM	93.241	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380144	-	65,293
MENTAL HEALTH RESEARCH GRANTS	93.242	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380163	-	84,588
MENTAL HEALTH RESEARCH GRANTS	93.242	BRANDEIS UNIVERSITY	403000	-	238,044
MENTAL HEALTH RESEARCH GRANTS	93.242	EXOCYTRONICS LLC	00407734	-	162,543
MENTAL HEALTH RESEARCH GRANTS	93.242	LOUISIANA STATE UNIVERSITY	NURS-18-117-002	-	1,395
MENTAL HEALTH RESEARCH GRANTS	93.242	RAND CORPORATION	9920170010	-	14,901
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	10181se	-	52,930
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF HAWAII	KAI1083	-	12,258
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF MINNESOTA	N006344501	-	12,676
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	45TH JUDICIAL CIRCUIT OF MISSOURI	N/A	-	30,061
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	9TH JUDICIAL CIRCUIT OF MISSOURI	N/A	-	42,649
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	BEHAVIORAL HEALTH NETWORK OF GREATER ST. LOUIS	N/A	-	49,102

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SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380164	\$ -	\$ 67,329
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC13380092		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380080		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380041		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380042		859,531
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	NATIONAL ALLIANCE FOR THE MENTALLY ILL MISSOURI CHAPTER	N/A	-	14,462
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	PREFERRED FAMILY HEALTHCARE	N/A	-	83,044
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	QUEEN OF PEACH CENTER	N/A	-	132,292
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	ST. LOUIS COUNTY MISSOURI	3100 HU702	-	19,896
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	TRUMAN MEDICAL CENTER CORPORATION	1H79TI080208	-	463,828
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	UNIVERSITY OF WISCONSIN MADISON	5UR1TI024236	-	114,982
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262	UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-127	-	11,229
IMMUNIZATION COOPERATIVE AGREEMENTS	93.268	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	10,500
ALCOHOL RESEARCH PROGRAMS	93.273	UNIVERSITY OF MEMPHIS	University Index 5-4	-	33,609
ALCOHOL RESEARCH PROGRAMS	93.273	UNIVERSITY OF PITTSBURGH	0030254 (123938-1)	-	31,800
ALCOHOL RESEARCH PROGRAMS	93.273	WASHINGTON STATE UNIVERSITY	WU-17-150	-	80,275
DRUG-FREE COMMUNITIES SUPPORT PROGRAM GRANTS	93.276	PARKWAY MISSOURI SCHOOL DISTRICT	N/A	-	(5,541)
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	REAL PREVENTION LLC	N/A	-	34,875
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	UNIVERSITY OF MARYLAND	R01DA042748	-	1,217
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	AMERICAN ASSOCIATION OF COLLEGES OF NURSING	6-93903A1	30,494	43,508
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	ASSOCIATION FOR PREVENTION TEACHING AND RESEARCH	17-21-TH30	-	24,459
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC13380001	-	(524)
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	WASHINGTON STATE UNIVERSITY	WU-17-80	-	
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	WASHINGTON STATE UNIVERSITY	WU-18-86	-	136,567
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286	OHIO STATE UNIVERSITY	60054616	-	6,115
SURPLUS PROPERTY UTILIZATION	93.291	AQUILENT INC	N/A	-	22,193
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	
NATIONAL STATE BASED TOBACCO CONTROL PROGRAMS	93.305	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380126	-	50,922
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307	RAND CORPORATION	9920180014	-	30,986
TRANS-NIH RESEARCH SUPPORT	93.310	UNIVERSITY OF IOWA	W000922465	-	6,929
TRANS-NIH RESEARCH SUPPORT	93.310	UNIVERSITY OF MARYLAND BALTIMORE	1677	-	17,161
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380133	-	
EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	93.323	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380151	-	87,402
BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM	93.336	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	27,404
BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM	93.336	STATE OF MONTANA	15-07-1-01-022-0	-	1
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	CHILDRENS MERCY HOSPITAL	18-0003	-	10,783
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPBT00000		
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPB00000		
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPB00002		
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPB00003		
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPB00003-Berkley-Patton		
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPB00004		
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPB00006	20,558	213,446
		WASHINGTON STATE UNIVERSITY	WU-18-356	-	
		WASHINGTON STATE UNIVERSITY	WU-18-357	-	
		WASHINGTON STATE UNIVERSITY	WU-18-358	-	
		WASHINGTON STATE UNIVERSITY	WU-18-372	-	
		WASHINGTON STATE UNIVERSITY	WU-18-373	-	
		WASHINGTON STATE UNIVERSITY	WU-18-374	-	
		WASHINGTON STATE UNIVERSITY	WU-18-375	-	
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	WASHINGTON STATE UNIVERSITY	WU-18-55	-	110,794
		WASHINGTON STATE UNIVERSITY	WU-17-4	-	
		WASHINGTON STATE UNIVERSITY	WU-18-12	-	
		WASHINGTON STATE UNIVERSITY	WU-18-17	-	
		WASHINGTON STATE UNIVERSITY	WU-18-18	-	
		WASHINGTON STATE UNIVERSITY	WU-18-21	-	
		WASHINGTON STATE UNIVERSITY	WU-18-22	-	
		WASHINGTON STATE UNIVERSITY	WU-18-23	-	
		WASHINGTON STATE UNIVERSITY	WU-18-24	-	
		WASHINGTON STATE UNIVERSITY	WU-18-337	-	
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	WASHINGTON STATE UNIVERSITY	WU-18-338	-	320,627
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	MICHIGAN STATE UNIVERSITY	RC1031900M	-	(27)
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	PARATECHS CORPORATION	N/A	-	28,255
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	UNIVERSITY OF SOUTHERN CALIFORNIA	92097662	-	12,132
BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360	JOHNS HOPKINS UNIVERSITY	6IDSEP130014-01-06	-	3,731
NURSING RESEARCH	93.361	PERCEPTIM INC	N/A	-	109,113
NURSING RESEARCH	93.361	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	8648	-	16,057
NURSING RESEARCH	93.361	UNIVERSITY OF WASHINGTON	UWSC9864	-	53,595
		WASHINGTON STATE UNIVERSITY	WU-14-86-MOD-3	-	
NURSING RESEARCH	93.361	WASHINGTON STATE UNIVERSITY	WU-16-301	-	20,759
		WASHINGTON STATE UNIVERSITY	WU-15-341	-	
NURSING RESEARCH	93.361	WASHINGTON STATE UNIVERSITY	WU-17-77	-	36,868
		WASHINGTON UNIVERSITY	WU-17-287	-	
SICKLE CELL TREATMENT DEMONSTRATION PROGRAM	93.365	WASHINGTON UNIVERSITY	WU-18-195	-	38,804
CANCER CAUSE AND PREVENTION RESEARCH	93.393	UNIVERSITY OF KANSAS	FY2014-081	-	104,460
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	1R21CA204767		
CANCER CAUSE AND PREVENTION RESEARCH	93.393	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	QR864360	-	20,547
		UNIVERSITY OF TEXAS SCIENCE CENTER AT HOUSTON	0012186A	-	
CANCER CAUSE AND PREVENTION RESEARCH	93.393	UNIVERSITY OF TEXAS SCIENCE CENTER AT HOUSTON	0012844B	-	48,335
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	DUQUESNE UNIVERSITY	250080	-	24,727
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	SURGISENSE CORPORATION	N/A	-	1,199
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	WASHINGTON UNIVERSITY	WU-16-310	-	1,161

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CANCER TREATMENT RESEARCH	93.395	ALLIANCE FOR CLINICAL TRIALS IN ONCOLOGY	MO036	\$ -	\$ 863
CANCER TREATMENT RESEARCH	93.395	CHILDRENS HOSPITAL OF PHILADELPHIA	9500080215-12c	-	7,107
CANCER TREATMENT RESEARCH	93.395	CHILDRENS HOSPITAL OF PHILADELPHIA	NCORP FP00017458_SUB142	-	2,384
CANCER TREATMENT RESEARCH	93.395	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD517367B	-	45,372
CANCER TREATMENT RESEARCH	93.395	ONCOVIR INC	ONC2014-001	-	11,788
CANCER TREATMENT RESEARCH	93.395	UNIVERSITY OF IOWA	W000651422	-	29,754
CANCER BIOLOGY RESEARCH	93.396	FLORIDA ATLANTIC UNIVERSITY	R86	-	89,715
CANCER BIOLOGY RESEARCH	93.396	UNIVERSITY OF GEORGIA	RR571-424/S001502	-	133,703
CANCER CENTERS SUPPORT GRANTS	93.397	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD518793A	-	
NON-ACAPPHF BUILDING CAPACITY OF THE PUBLIC HEALTH SYSTEM TO IMPROVE POPULATION HEALTH THROUGH NATIONAL NONPROFIT ORGANIZATIONS	93.424	ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES	N/A	-	3,437
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433	UNIVERSITY OF ILLINOIS SYSTEM	16247-02	-	3,210
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433	UNIVERSITY OF ILLINOIS SYSTEM	90DT5020	-	125
PREGNANCY ASSISTANCE FUND PROGRAM	93.500	PARENTS AS TEACHERS NATIONAL CENTER	N/A	-	22,357
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	CHILDRENS MERCY HOSPITAL	16-0001	-	(132)
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380162	-	13,636
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380166	-	
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380067	-	16,936
THE AFFORDABLE CARE ACT: BUILDING EPIDEMIOLOGY, LABORATORY, AND HEALTH INFORMATION SYSTEMS CAPACITY IN THE EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASE (ELC) AND EMERGING INFECTIONS PROGRAM (EIP) COOPERATIVE AGREEMENTS,PPHF	93.521	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380133	-	6,448
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	COLUMBIA PUBLIC SCHOOL	N/A	-	73,097
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	329,051
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380011	-	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380146	-	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC15380293	-	1,986,414
COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS	93.590	CHILDRENS TRUST FUND	N/A	34,500	72,898
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630	CONNECTICUT COUNCIL ON DEVELOPMENTAL DISABILITIES	N/A	-	22,662
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC11380081	-	
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630	MISSOURI DEPARTMENT OF MENTAL HEALTH	PGA10-08001	-	138,974
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630	MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL	AOC17380019	-	
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630	MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL	N/A	-	30,010
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	NATIONAL ASSOCIATION OF STATE DIRECTORS OF DEVELOPMENTAL DISABILITIES	N/A	-	32,633
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	SELF ADVOCATES BECOMING EMPOWERED	90DNRC0001	-	
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	SELF ADVOCATES BECOMING EMPOWERED	N/A	5,000	85,037
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	90DM0001-03-00	-	3,992
CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION	93.648	NATIONAL CHILD WELFARE WORKFORCE INSTITUTE	90CT7002	-	214,317
TRANS-NIH RECOVERY ACT RESEARCH SUPPORT	93.701	THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	HHSN271200900019C	-	4,793
PPHF: HEALTH CARE SURVEILLANCE/HEALTH STATISTICS D SURVEILLANCE PROGRAM ANNOUNCEMENT: BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM FINANCED IN PART BY PREVENTION AND PUBLIC HEALTH FUND	93.745	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	312,699
PPHF: HEALTH CARE SURVEILLANCE/HEALTH STATISTICS D SURVEILLANCE PROGRAM ANNOUNCEMENT: BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM FINANCED IN PART BY PREVENTION AND PUBLIC HEALTH FUND	93.745	STATE OF ALASKA HEALTH AND SOCIAL SERVICES	0618-059	-	27,059
STATE PUBLIC HEALTH ACTIONS TO PREVENT AND CONTROL DIABETES, HEART DISEASE, OBESITY AND ASSOCIATED RISK FACTORS AND PROMOTE SCHOOL HEALTH FINANCED IN PART BY PREVENTION AND PUBLIC HEALTH FUNDING (PPHF)	93.757	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380048	-	
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT FUNDED SOLELY WITH PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.758	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380096	3,480	93,060
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT FUNDED SOLELY WITH PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.758	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT FUNDED SOLELY WITH PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.758	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380154	-	92,722
ALZHEIMER DISEASE INITIATIVE: SPECIALIZED SUPPORTIVE SERVICES PROJECT (ADI-SS) THRU PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.763	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	90ALGG0009	-	95,712
MEDICAL ASSISTANCE PROGRAM	93.778	CENTER FOR DISCOVERY	N/A	-	7,103
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC15380134	-	40,695
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC02380105	-	
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC14380047	-	
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380086	-	
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380086	-	
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC18380066	-	
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	ER019912005	-	
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	ER019918017	-	
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	ER019912002	-	1,281,044
OPIOID STR	93.788	AMERICAN ACADEMY OF ADDICTION PSYCHIATRY	1H79T1080816	86,053	218,924
OPIOID STR	93.788	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380119	-	2,119,800
MONEY FOLLOWS THE PERSON REBALANCING DEMONSTRATION	93.791	IBUSINESS SOLUTION	N/A	-	20,001
DOMESTIC EBOLA SUPPLEMENT TO THE EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC).	93.815	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380088	-	146,196
CARDIOVASCULAR DISEASES RESEARCH	93.837	BRIGHAM AND WOMENS HOSPITAL	PS# 107223	-	554
CARDIOVASCULAR DISEASES RESEARCH	93.837	DUKE UNIVERSITY	203-8480	-	
CARDIOVASCULAR DISEASES RESEARCH	93.837	DUKE UNIVERSITY	4101HL105565	-	98,744
CARDIOVASCULAR DISEASES RESEARCH	93.837	NANOVA, INC	N/A	-	274,645
CARDIOVASCULAR DISEASES RESEARCH	93.837	NORTHWESTERN UNIVERSITY	60040951 UMC	-	752
CARDIOVASCULAR DISEASES RESEARCH	93.837	TEXAS A&M UNIVERSITY	23-S152308/M1500033	-	87,023
CARDIOVASCULAR DISEASES RESEARCH	93.837	TUFTS UNIVERSITY	5010929-SERV	-	18,229
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	8034c	-	69,938
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF ROCHESTER	415620-G	-	37,265
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF VIRGINIA	GB10393154878	-	47,062
CARDIOVASCULAR DISEASES RESEARCH	93.837	WASHINGTON UNIVERSITY	WU-16-41	-	252,308
LUNG DISEASES RESEARCH	93.838	INDIANA UNIVERSITY	/2020171R01HL131730	-	
LUNG DISEASES RESEARCH	93.838	INDIANA UNIVERSITY	IN468778TUMKC	-	10,228
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF IOWA	S00313-01	-	
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF IOWA	W000741745	-	
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF IOWA	W000873945/1001713614	-	
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF IOWA	W000976362/1001830340	-	270,481
BLOOD DISEASES AND RESOURCES RESEARCH	93.839	XEMED LLC	2R44HL117337-3_MU	-	8,540
BLOOD DISEASES AND RESOURCES RESEARCH	93.839	UNIVERSITY OF TEXAS SOUTHWEST MEDICAL CENTER OF DALLAS	150118	-	73,761
BLOOD DISEASES AND RESOURCES RESEARCH	93.839	WASHINGTON UNIVERSITY	WU-18-224	6,841	10,604
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	COLUMBIA UNIVERSITY	1(GG012259)	-	
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	COLUMBIA UNIVERSITY	1(GG012460)	-	101,445

**UNIVERSITY OF MISSOURI SYSTEM
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year Ended 6/30/2018**

<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Federal Expenditures</i>
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	DUKE UNIVERSITY CASE WESTERN UNIVERSITY CASE WESTERN UNIVERSITY CASE WESTERN UNIVERSITY CASE WESTERN UNIVERSITY CASE WESTERN UNIVERSITY	203-5349 RESS08613 RESS09467 RESS10017 RESS12221 RESS12551 RESS12868	\$ -	\$ 64,670
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	CASE WESTERN UNIVERSITY	RESS12868	-	158,082
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	EMORY UNIVERSITY	T521105	-	98,658
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	LURIE CHILDREN'S HOSPITAL OF CHICAGO	PRIME R01DK090030	-	2,642
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	MAYO CLINIC	UNI-203449	-	71,161
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	THE AMERICAN UROGYNEGOLOGIC SOCIETY	N/A	-	5,358
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF MICHIGAN	SUBK00007925	-	952
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF SOUTH FLORIDA	6163-1007-00-X	-	14,397
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF SOUTH FLORIDA	6163-1017-00-X	-	17,132
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF SOUTH FLORIDA	TrialNet Site #224	-	17,132
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	WASHINGTON UNIVERSITY	WU-17-184	-	189,760
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	WASHINGTON UNIVERSITY	WU-17-399	-	189,760
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	WASHINGTON UNIVERSITY	WU-18-308	-	189,760
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.853	BRIGHAM AND WOMENS HOSPITAL	112118	-	5,662
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.855	COLORADO STATE UNIVERSITY	G-44372	-	426
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	EMORY UNIVERSITY	T942000	-	499
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	EMORY UNIVERSITY	T942919	-	30,740
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	GEORGETOWN UNIVERSITY	N/A	-	499
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	LOUISIANA STATE UNIVERSITY	14-17-108	-	65,462
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	LOUISIANA STATE UNIVERSITY	16-17-104	-	10,358
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	ROCKEFELLER UNIVERSITY	5R01AI099284-05	-	353,945
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	TECHSHOT INC	N/A	-	18,027
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	UNIVERSITY OF TENNESSEE	2R01AO58145	-	36,540
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	EMORY UNIVERSITY	T951652	-	38,916
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	LAWRENCE BERKELEY NATIONAL LABORATORY	7115870	-	111,700
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	SCRIPPS RESEARCH INSTITUTE	5-52934	-	138,488
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	ST. LOUIS UNIVERSITY	eRS# 39099	-	13,642
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZAF00010	-	(2,337)
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF UTAH	10027535-15-M	-	37,997
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	JOHNS HOPKINS UNIVERSITY	2002181008	-	41,336
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	LEHIGH UNIVERSITY	543567-78001	-	2,543
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	OREGON HEATH SCIENCE UNIVERSITY	1007056_UMO	-	76,450
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	10374sc	-	175,391
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF PITTSBURGH	0053267 (12949-1)	-	36,511
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF VIRGINIA	GB10325 151803	-	19,541
AGING RESEARCH	93.866	INDIANA UNIVERSITY	IN4668176UMKC	-	6,863
AGING RESEARCH	93.866	NORTHWESTERN UNIVERSITY	5R01AG047416	-	163,530
AGING RESEARCH	93.866	NORTHWESTERN UNIVERSITY	60040682 UMKC	-	175,605
AGING RESEARCH	93.866	UNIVERSITY OF NORTH TEXAS	ST. LOUIS COUNTY MISSOURI	-	185,185
AGING RESEARCH	93.867	WASHINGTON UNIVERSITY	1RF1AG053303	-	37,516
AGING RESEARCH	93.867	UNIVERSITY OF NORTH TEXAS	1R01EY027005	-	35,372
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870	CHILDRENS MERCY HOSPITAL	18-0001	-	68,893
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870	CHILDRENS MERCY HOSPITAL	16-0011	-	53,465
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380067	-	2,564
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.879	UNIVERSITY OF UTAH	10039576-04	-	971,029
CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS	93.898	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	4,266
CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS	93.898	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380166	-	61,728
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910	ST. LOUIS COUNTY DEPARTMENT OF HEALTH	38-675	-	14,301
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910	ST. LOUIS COUNTY MISSOURI	N/A	-	2,980
RURAL HEALTH CARE SERVICES OUTREACH, RURAL HEALTH NETWORK DEVELOPMENT AND SMALL HEALTH CARE PROVIDER QUALITY IMPROVEMENT PROGRAM	93.912	HEALTH CARE COALITION OF LAFAYETTE COUNTY	N/A	-	818
GRANTS TO STATES FOR OPERATION OF OFFICES OF RURAL HEALTH	93.913	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH170019001	-	93,717
HIV EMERGENCY RELIEF PROJECT GRANTS	93.914	NEXTGEN REVENUE-CYCLE-MANAGEMENT SERVICES	N/A	-	1,440
HEALTHY START INITIATIVE	93.926	MATERNAL AND CHILD HEALTH COALITION	N/A	-	324,988
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380257	-	4,474
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380151	-	51,849
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380022	-	46,776
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380022	-	1,871
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380096	-	27,365
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	C312161005	-	640
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH160016001	-	20,377
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	N/A	-	10,729
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	DPHMI-0000058636	-	474,628
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	DPHMI-0000059496	-	
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	DPHMI-0000058135	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	IOWA DEPARTMENT OF HEALTH	5887MH41	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	IOWA DEPARTMENT OF HEALTH	5888MH41	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	IOWA DEPARTMENT OF HEALTH	5889MH41	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380250	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380180	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	NORTH DAKOTA DEPARTMENT OF HEALTH	PF17.139	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	RHODE ISLAND DEPARTMENT OF ADMINISTRATION	N/A	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	STATE OF FLORIDA	AF436E	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	STATE OF FLORIDA	B13DCD	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	STATE OF MONTANA	17-07-5-01-300-0	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098	-	
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC11380234	-	
BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE	93.959	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC11380234	-	

UNIVERSITY OF MISSOURI SYSTEM
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
Year Ended 6/30/2018

<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Amount Passed Through to Sub-Recipients</i>	<i>Federal Expenditures</i>
PPHF GERIATRIC EDUCATION CENTERS	93.969	ST. LOUIS UNIVERSITY	5U1QHP28716	\$ -	\$ 24,409
PPHF GERIATRIC EDUCATION CENTERS	93.969	ST. LOUIS UNIVERSITY	U1QHP28716	-	911
COOPERATIVE AGREEMENTS FOR STATE-BASED DIABETES CONTROL PROGRAMS AND EVALUATION OF SURVEILLANCE SYSTEMS	93.988	STATE OF MONTANA	15-07-1-01-022-0	-	279,139
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	MINNESOTA DEPARTMENT OF HEALTH	66561	-	34,327
		MINNESOTA DEPARTMENT OF HEALTH	66561 AMD 2	-	
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380018	-	
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380022	-	
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380047	-	
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380114	-	
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	C313163002	-	
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	CS170220009	-	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH170007001	-	90,231
SPRINT TRAVEL GRANT - HOSPICE CAREGIVING RESEARCH NETWORK	93.RD	VENTUREWELL	N/A	-	6,205
TA AND TRAINING ON WOMEN AND FAMILIES IMPACTED BY SUBSTANCE USE AND MENTAL HEALTH DISORDERS	93.U02	ADVOCATES FOR HUMAN POTENTIAL INC	7252.00-SAMHSA-WOMEN	-	6,649
HEALTHY FOOD RETAIL PROJECT (STOCK HEALTHY, SHOP HEALTHY)	93.U03	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380022	-	61,498
MO HEALTHNET DATA PROJECT	93.U04	MISSOURI DIVISION OF MEDICAL SERVICES	AOC15380036	-	267,267
NEW EDITIONS EVALUATION WITH NASDDDD'S	93.U05	NATIONAL ASSOCIATION OF STATE DIRECTORS OF DEVELOPMENTAL DISABINIA		-	26,647
PATTERNS OF OVARIAN CANCER	93.U06	WESTAT INC	6282.05-S03	-	46,060
DEPARTMENT OF HEALTH AND HUMAN SERVICES PASS THROUGH PROGRAMS Total				<u>223,366</u>	<u>21,123,776</u>
DEPARTMENT OF HEALTH AND HUMAN SERVICES Total				<u>6,888,243</u>	<u>114,224,259</u>
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE					
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE DIRECT PROGRAMS					
AMERICORPS	94.006			-	546,989
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE DIRECT PROGRAMS Total				<u>-</u>	<u>546,989</u>
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE PASS THROUGH PROGRAMS					
AMERICORPS	94.006	JUMPSTART	500200	-	198,679
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE PASS THROUGH PROGRAMS Total				<u>-</u>	<u>198,679</u>
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE Total				<u>-</u>	<u>745,668</u>
DEPARTMENT OF HOMELAND SECURITY					
DEPARTMENT OF HOMELAND SECURITY PASS THROUGH PROGRAMS					
EMERGENCY FOOD AND SHELTER NATIONAL BOARD PROGRAM	97.024	UNITED WAY OF GREATER ST. LOUIS	LRO ID 547600-063	-	6,000
NATIONAL DAM SAFETY PROGRAM	97.041	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	-	(103)
ASSISTANCE TO FIREFIGHTERS GRANT	97.044	CITY OF ST. LOUIS MISSOURI	N/A	-	20,200
HOMELAND SECURITY GRANT PROGRAM	97.067	EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	49687005	-	134,900
HOMELAND SECURITY GRANT PROGRAM	97.067	STATE EMERGENCY MANAGEMENT AGENCY	AOC16380071	-	125,625
DEPARTMENT OF HOMELAND SECURITY Total				<u>-</u>	<u>286,622</u>
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT					
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT DIRECT PROGRAMS					
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001			-	1,486
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT DIRECT PROGRAMS Total				<u>-</u>	<u>1,486</u>
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT PASS THROUGH PROGRAMS					
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	LINC LLC	LINC-SUB-UM-17-0001	-	42,103
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	MICHIGAN STATE UNIVERSITY	RC102095BHEARD	-	45,910
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	PENNSYLVANIA STATE UNIVERSITY	4933-UM-AID-0077	-	56,860
		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-05	-	
		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-13	-	
		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-14	7,400	106,033
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN		-	
RYAN DIBALA: INTERSPECIFIC INTERACTIONS AMONG TREES, SHRUBS, AND GRASS IN A DRY TROPICAL SILVOPASTORAL SYSTEM ON THE AZUERO PENINSULA, PANAMA	98.RD	PURDUE UNIVERSITY	8000069606	-	1,655
USAID AGRICULTURE AND RURAL DEVELOPMENT SUPPORT (ARDS) - UKRAINE	98.U01	CHEMONICS INTERNATIONAL INC	SUB-325	-	85,211
ADAPTATION OF SOYBEAN IN TROPICAL CLIMATES FOR SMALLHOLDER FARMERS	98.U02	PURDUE UNIVERSITY	8000069611	-	4,549
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT PASS THROUGH PROGRAMS Total				<u>7,400</u>	<u>342,321</u>
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT Total				<u>7,400</u>	<u>343,807</u>
TOTAL EXPENDITURES OF FEDERAL AWARDS				<u>\$ 20,563,917</u>	<u>\$ 733,637,357</u>

UNIVERSITY OF MISSOURI SYSTEM
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2018

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Federal Expenditures
CCDF CLUSTER				
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	COLUMBIA PUBLIC SCHOOL	N/A	\$ 73,097
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	329,051
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380011	
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380146	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC15380293	1,986,414
CCDF CLUSTER Total				<u>\$ 2,388,562</u>
CDBG - ENTITLEMENT GRANTS CLUSTER				
COMMUNITY DEVELOPMENT BLOCK GRANTS/ENTITLEMENT GRANTS	14.218	CITY OF COLUMBIA MISSOURI	N/A	\$ 3,424
COMMUNITY DEVELOPMENT BLOCK GRANTS/ENTITLEMENT GRANTS	14.218	CITY OF KANSAS CITY MISSOURI	N/A	32,466
CDBG - ENTITLEMENT GRANTS CLUSTER Total				<u>\$ 35,890</u>
DRINKING WATER STATE REVOLVING FUND CLUSTER				
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS	66.468	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	\$ 36,845
DRINKING WATER STATE REVOLVING FUND CLUSTER Total				<u>\$ 36,845</u>
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER				
		MISSOURI DEPARTMENT OF TRANSPORTATION	OJT FY 17001	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201601	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201801	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TTyy1101	\$ 435,566
HIGHWAY PLANNING AND CONSTRUCTION	20.205	PROFESSIONAL SERVICE INDUSTRIES, INC.	N/A	6,774
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER Total				<u>\$ 442,340</u>
HIGHWAY SAFETY CLUSTER				
NATIONAL PRIORITY SAFETY PROGRAMS	20.616	MISSOURI DEPARTMENT OF TRANSPORTATION	18-M5TR-03-003	\$ 245,996
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-CP-09-005	
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-DE-02-003	
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-EM-02-001	
		MISSOURI DEPARTMENT OF TRANSPORTATION	18-CP-09-006	
		MISSOURI DEPARTMENT OF TRANSPORTATION	18-DE-02-001	
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	MISSOURI DEPARTMENT OF TRANSPORTATION	18-EM-02-001	488,647
HIGHWAY SAFETY CLUSTER Total				<u>\$ 734,643</u>
MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING CLUSTER				
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380166	
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870	CHILDREN'S MERCY HOSPITAL	16-0011	\$ 16,936
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380067	35,372
MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING CLUSTER Total				<u>\$ 68,893</u>
MEDICAID CLUSTER				
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC02380105	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC14380047	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380086	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380086	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC18380066	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	ER019912005	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	ER019918017	
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	ER019912002	\$ 1,281,044
MEDICAID CLUSTER Total				<u>\$ 1,281,044</u>
RESEARCH AND DEVELOPMENT CLUSTER				
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	CRDF GLOBAL	DAA3-17-62988-1	\$ 14,046
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001			2,859,314
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025			266,801
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	LINCOLN UNIVERSITY	2015-3570	395
		MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGPMO0003 Project 7	
		MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGPMO0003 Project 8	
		MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 Proj 10	
		MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 Proj 11	
		MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 Proj 3	
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	MISSOURI DEPARTMENT OF AGRICULTURE	N/A	61,298
COOPERATIVE FORESTRY RESEARCH	10.202			592,763
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203			5,910,705

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Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Federal Expenditures
ANIMAL HEALTH AND DISEASE RESEARCH	10.207			\$ 66,862
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215	UNIVERSITY OF MINNESOTA	H004991229	
		UNIVERSITY OF MINNESOTA	H004991245	13,193
		LINCOLN UNIVERSITY	2014-3555	
		LINCOLN UNIVERSITY	2014-3560	
1890 INSTITUTION CAPACITY BUILDING GRANTS	10.216	LINCOLN UNIVERSITY	2017-3560	79,079
SECONDARY AND TWO-YEAR POSTSECONDARY AGRICULTURE EDUCATION CHALLENGE GRANTS	10.226	MISSOURI BOTANICAL GARDENS	N/A	1,228
		UNIVERSITY OF KENTUCKY	3048110944-15-178	
		UNIVERSITY OF KENTUCKY	58-5000-3-0066	47,015
CONSUMER DATA AND NUTRITION RESEARCH	10.253			52,530
CONSUMER DATA AND NUTRITION RESEARCH	10.253			1,709,993
AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS INTEGRATED PROGRAMS	10.291			19,654
	10.303			
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307			291,672
SPECIALTY CROP RESEARCH INITIATIVE	10.309			34,256
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	AUBURN UNIVERSITY	13-AGR-373036-UM	4,008
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	INDIANA UNIVERSITY	BL-4339916-UM	16,103
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	IOWA STATE UNIVERSITY	416-41-54A	49,575
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	LINCOLN UNIVERSITY	2014-3553	48,003
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	LOUISIANA STATE UNIVERSITY	100075	63,793
		TEXAS A&M UNIVERSITY	06-S160685	
		TEXAS A&M UNIVERSITY	S110071	3,170
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF ARKANSAS	UA AES 91137-02	12,211
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF CENTRAL FLORIDA	2015-69004-23273	9,454
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF GEORGIA	RC294-343/S001056	53,281
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF NEBRASKA LINCOLN	25-1215-0117-002	15,741
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF WISCONSIN MADISON	627K152	34,417
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF WYOMING	1003080A - MISSOURI	100,398
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	VIRGINIA TECH UNIVERSITY	422569-19228	17,916
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	WASHINGTON STATE UNIVERSITY	130160_G003742	2,164
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310			3,923,023
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311	UNIVERSITY OF ARKANSAS	UA AES 91132-02	5,943
CAPACITY BUILDING FOR NON-LAND GRANT COLLEGES OF AGRICULTURE (NLGCA)	10.326	MISSOURI STATE UNIVERSITY	16041-001	
		MISSOURI STATE UNIVERSITY	16161-001	60,944
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329	UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200001582-18-186	17,024
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329			12,820
RURAL BUSINESS DEVELOPMENT GRANT	10.351			14,964
FARM OPERATING LOANS	10.406			69,213
FORESTRY RESEARCH	10.652			8,379
COOPERATIVE FORESTRY ASSISTANCE	10.664	UNIVERSITY OF TENNESSEE	9500067109	9,630
FOREST HEALTH PROTECTION	10.680			52,150
PARTNERSHIP AGREEMENTS	10.699			167,989
SOIL AND WATER CONSERVATION	10.902			286,978
SOIL SURVEY	10.903	PURDUE UNIVERSITY	F9002687302009	932
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	ALITA ANN JOHNSON REVOCABLE TRUST	N/A	18
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912			(26)
WILDLIFE HABITAT INCENTIVE PROGRAM	10.914			(316)
CONSERVATION STEWARDSHIP PROGRAM	10.924			(67)
ABUNDANCE, SURVIVAL, AND VIABILITY OF GOLDEN-CHEEKED WARBLER ON BALCONES CANYONLANDS PRESERVE, AUSTIN, TX	10.RD		18-JV-11242311-027	19,410
APPLIED HISTORICAL ECOLOGY OF FIRE IN REMNANT PINE FORESTS OF SOUTHERN OHIO	10.RD		14-JV-11242302-143	4,117
CHARACTERIZING AND COMPARING OAK FORESTS IN COLOMBIAN HIGHLAND AND ANDEAN REGIONS	10.RD		12-JV-11242311-072	5,509
COMBINING LANDIS-II AND LANDIS-PRO INTO A COMMON FRAMEWORK	10.RD		14-JV-11242311-116	40,537
COMPARING THE EFFECTS OF PRESCRIBED BURNING AND THINNING TREATMENTS ON VEGETATION DEVELOPMENT IN OAK WOODLANDS OF KANSAS	10.RD		14-JV-11242311-122	104,470
DEVELOPING A STRATEGY AND PROTOCOLS FOR MONITORING OAK RESTORATION IN THE EASTERN REGION	10.RD		12-CS-11242311-141	28
DEVELOPING HISTORIC FIRE REGIMES IN THE EASTERN REGION R9, USFS	10.RD		16-JV-11242311-046	6,554
ECONOMIC IMPLICATIONS OF LANDSCAPE-SCALE FOREST DISTURBANCE AND SUCCESSION SCENARIOS	10.RD		13-JV-11242311-063	14,930
EFFECTS OF CLIMATE CHANGE, DROUGHT AND INSECTS ON OAK PINE FORESTS IN THE OZARKS - A REGIONAL SCALE ASSESSMENT	10.RD		14-JV-11330134-049	13,960
EFFECTS OF FUELS TREATMENTS ON REDUCTION OF FIRE RISK AND RESTORATION OF OAK-PINE FORESTS IN CENTRAL HARDWOOD FOREST LANDSCAPES-LANDSCAPE SCALE SIMULATION	10.RD		14-JV-11242311-123	
			14-JV-11242311-131	68,199
EFFECTS OF SAVANNA-WOODLAND RESTORATION ON BAT ABUNDANCE AN DIET AND ABUNDANCE OF INSECT PREY	10.RD		12-JV-11242311-068	1
EFFECTS OF STAND DENSITY AND COMPOSITION ON MITIGATION AND ADAPTABILITY TO CLIMATE CHANGE IN PINE AND HARDWOOD FORESTS AND WOODLANDS OF MISSOURI	10.RD		14-JV-11242311-065	18,758

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Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Federal Expenditures
FIRE RESTORATION BAT MONITORING AND HABITAT MODELING	10.RD		15-CS-11051100-008	\$ 29,870
FORECASTING LANDSCAPE CHANGE UNDER SAVANNAH AND WOODLAND RESTORATION IN MIXED FOREST OWNERSHIPS	10.RD		12-JV11242311-091	19,267
GENETIC VARIATION IN ADAPTIVE TRAITS TO REDUCED LIGHT FOR NATIVE GRASSES	10.RD		14-JV-11242311-073	(961)
HABITAT AND LANDSCAPE EFFECTS ON BIRD DEMOGRAPHICS	10.RD		14-JV-11242311-059	(2,790)
HYDROLOGY STUDENT INTERNSHIP EXPERIENCE	10.RD		17-PA-11090500-051	5,158
INTEGRATED DISEASE MANAGEMENT FOR WHITE-NOSE SYNDROME	10.RD		16-JV11242311-118	63,766
LOCALIZED SPATIAL ESTIMATION OF FOREST ATTRIBUTES IN THE NORTH	10.RD		12-JV-11242305-120	434
MODELING FIRE-INDUCED TREE MORTALITY FOR EASTERN HARDWOOD FORESTS	10.RD		16-JV-11242311-076	30,055
MORPHOLOGICAL CHARACTERIZATION OF HICKORY AND BLACK WALNUT GALL-INDUCERS IN MISSOURI	10.RD		14-JV-11242311-063	385
MRBI STUDY - MORRIS	10.RD	ORA CLAY MORRIS JR	N/A	547
OAK WOODLANDS & FORESTS FIRE CONSORTIUM, 2016 TO 2019	10.RD		16-JV-11242311-074	145,235
POPULATION ESTIMATE FOR BLACK-BACKED WOODPECKERS (PICOIDES ARCTICUS) IN THE BLACK HILLS	10.RD		14-JV-11221632-104	293
PREDICTING FOREST LANDSCAPE CHANGE TO SUPPORT ENVIRONMENTAL ANALYSES AND DECISION MAKING	10.RD		18-JV-11242311-028	12,102
RECRUITMENT DYNAMICS IN NATURALLY REGENERATED LONGLEAF PINE WOODLANDS: COLLABORATIVE PROJECT YEAR ONE, STUDENT ONE	10.RD		15-JV-11330123-051	1,344
RESPONSE OF SONGBIRDS TO PINE SAVANNA AND WOODLAND RESTORATION IN THE MIDWESTERN UNITED STATES	10.RD		13-CR-11242311-047	28,029
SCAR CLOSURE FROM PRESCRIBED FIRE IN OAK	10.RD		14-JV-11242316-061	10,906
SONGBIRD DEMOGRAPHIC RESPONSES TO LANDSCAPE and CLIMATE CHANGE IN THE MIDWESTERN UNITED STATES	10.RD		14-CR-11242311-064	30,373
THE SURVIVAL AND PERFORMANCE OF IMPROVED SHORTLEAF PINE SEEDLINGS	10.RD		16-JV-11242311-080	10,483
TREE REGENERATION ADEQUACY METRICS FOR THE CENTRAL STATES	10.RD		15-JV-11242311-090	57,573
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS MANUFACTURING EXTENSION PARTNERSHIP	11.609			228,320
COLLABORATIVE RESEARCH AND DEVELOPMENT	11.611	MISSOURI ENTERPRISE BUS ASSISTANCE	N/A	535,247
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.114			24,613
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	INNOVATIVE VETINARY MEDICINE INC	7001-03	20,182
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	PURDUE UNIVERSITY	4104-79717	72,069
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300			2,153,796
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	UNIVERSITY OF FLORIDA	UFDFSP00011428	53,460
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	UNIVERSITY OF TENNESSEE	A16-0325-S001	71,705
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351			1,023,966
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	COLUMBIA UNIVERSITY	1GG009710	18,623
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	FOUNDATION FOR ADVANCING VETERANS HEALTH RESEARCH	PUGDODEP150013-UMSL	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	FOUNDATION FOR ADVANCING VETERANS HEALTH RESEARCH	Royal1DOD/UMO	58,800
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	HENRY M JACKSON FOUNDATION	3671	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	HENRY M JACKSON FOUNDATION	825012	89,972
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	STANFORD UNIVERSITY	61151604 - 118921	49,459
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	UNIVERSITY OF IDAHO	FBK360-SB-001	8,950
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	VIRGINIA COMMONWEALTH UNIVERSITY	PT108802-SC107143	466,909
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420			2,031,812
BASIC SCIENTIFIC RESEARCH	12.431	LEONARD WOOD INSTITUTE	400-253	
BASIC SCIENTIFIC RESEARCH	12.431	LEONARD WOOD INSTITUTE	W91NF-07-2-0062	
BASIC SCIENTIFIC RESEARCH	12.431	LEONARD WOOD INSTITUTE	LWI-191-078	(12,006)
BASIC SCIENTIFIC RESEARCH	12.431	PPG INDUSTRIES, INC	F2D78244	64,294
BASIC SCIENTIFIC RESEARCH	12.431	UNIVERSITY OF CALIFORNIA LOS ANGELES	1000 G TE691	60,887
BASIC SCIENTIFIC RESEARCH	12.431	UNIVERSITY OF MARYLAND	31590-Z8415101	29,112
BASIC SCIENTIFIC RESEARCH	12.431			2,294,018
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	CATEPILLAR INC	0044273	72,909
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	BOEING CO	1495134	4,040
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	INDIANA UNIVERSITY	BL-4331206-MST	16,018
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	OHIO STATE UNIVERSITY	60051333	26,281
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF CALIFORNIA LOS ANGELES	1000 G TC133	67,202
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	086337-16354	60,609
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF MARYLAND	57641-Z8057201	35,350
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF NEW HAMPSHIRE	16-053	52,925
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800			1,148,947
MATHEMATICAL SCIENCES GRANTS PROGRAM	12.901			19,966
INFORMATION SECURITY GRANTS	12.902			244,828
GENCYBER GRANTS PROGRAM	12.903			78,618

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CYBERSECURITY CORE CURRICULUM	12.905			\$ 84,219
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910	UNIVERSITY OF SOUTH FLORIDA	2105-1138-00-A	13,238
A FULLY INTEGRATED MEMBRANE BIOREACTOR SYSTEM FOR WASTEWATER TREATMENT IN REMOTE APPLICATIONS	12.RD	UNIVERSITY OF SOUTHERN CALIFORNIA	59843551	(3,208)
ACUTE MRI CHANGES IN ASSOCIATION WITH A SINGLE HYPOBARIC OR HYPOXIC EXPOSURE	12.RD	WYLE LAB INC	T72708	97,528
ADDITIVE MANUFACTURING OF GRIN OPTICS	12.RD		FA8650-16-C-5412	20,235
ADDITIVE MANUFACTURING OF TRANSPARENT GLASS FOR REFRACTIVE OPTICS AND LIGHT ROUTING	12.RD	AZIMUTH CORPORATION	238-5404-MST	20,440
ADVANCED SILICON DIODE SWITCH FOR HPRF SYSTEMS	12.RD	RADIATION DETECTION TECH INC	N/A	99,044
CASTING AND ADVANCED STEEL TECHNOLOGY (CAST)	12.RD	STEEL FOUNDERS' SOCIETY OF AMERICA	CAST-001	(4,680)
CFDRC MDA STTR PHASE II - FINE POWDER CATHODE AND SEPARATOR BINDER CHARACTERIZATION FOR THERMAL BATTERIES	12.RD	CFD RESEARCH CORPORATION	9324	10,552
COMPACT 500KV, HIGH ENERGY DENSITY CAPACITOR FOR PULSED POWER APPLICATIONS	12.RD	ADVANCED TECHNOLOGY INTERNATIONAL	DOTC-17-01-INIT0115	444,400
DELAY TOLERANT NETWORK SOFTWARE AND HARDWARE SYSTEM DESIGN AND PROTOTYPING OF A REAL-TIME MILLIMETER WAVE COMPRESSIVE SENSING IMAGER	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	FA8750-16-C-0148	176,100
DEVELOPMENT AND TESTING OF AN AUTONOMOUSLY CONTROLLED ROTATING CROSS PARACHUTE	12.RD	THE CHARLES STARK DRAPER LABORATORY, INC	A7605-400-16-SC1608	168,443
DEVELOPMENT OF EXPLOSIVE FEEDSTOCK FOR COMMERCIAL-OFF-THE-SHELF (COTS) 3D PRINTERS	12.RD	E&G ASSOCIATES INC	W911QY-15-C-0006	68,862
FORT LEONARD WOOD AUTONOMOUS VEHICLE PILOT PROJECT PLANNING	12.RD	ROBOTIC RESEARCH LLC	N0017817C1128	41,652
HIGH STRENGTH LIGHTWEIGHT STEELS FOR IMPROVED MILITARY READINESS	12.RD	STEEL FOUNDERS' SOCIETY OF AMERICA	2017-106	33,219
IFSP - OPTION YEAR 3 (2015-2016)	12.RD	BOOZ ALLEN HAMILTON	105087SB0T	31,616
INCORPORATION OF SURFACE RESIDUAL STRESS ENGINEERING INTO AEROSPACE PRACTICE (BA-16)	12.RD	BOEING CORPORATION	105087SBOT	31,616
IPA AGREEMENT FOR MR. LEE BUNCH WITH DEPT OF ARMY (FLW) MANUFACTURING EFFICIENCY AND CAPABILITY	12.RD		0048507	31,629
	12.RD	CFD RESEARCH CORPORATION	20160532	32,485
MATERIALS MODELING TOOL FOR ALLOY DESIGN TO STREAMLINE THE DEVELOPMENT OF HIGH TEMPERATURE, HIGH-ENTROPY ALLOYS FOR ADVANCED PROPULSION SYSTEMS	12.RD	TECHNICAL DATA ANALYSIS INC	2074-001-02	31,654
MEASUREMENTS AND TESTING OF NANO-ELECTROMAGNETICS COMPACT ANTENNA DESIGNS	12.RD	NANO-ELECTROMAGNETICS LLC	N/A	(6,915)
MULTI-MODE MICROPROPULSION CUBESAT TECHNOLOGY DEMONSTRATION MISSION	12.RD	UTAH STATE UNIVERSITY	CP0039814	54,601
ON THE STABILITY OF HIGH FREQUENCY WAVE REGIONAL AMPLITUDES: A STUDY OF MIDDLE EASTERN Q MODELS AND THEIR RELIABILITY	12.RD		FA9453-17-C-0027	76,212
ONR SHORT PULSE RESEARCH, EVALUATION AND NON-SWAP DEMONSTRATION FOR C-SUAV	12.RD		N00014-18-C-1017	190,502
PORTABLE NEUTRON SPECTROMETER	12.RD	RADIATION DETECTION TECH INC	N/A	70,201
POST BLAST FORENSICS TRAINING FOR FORT LEONARD WOOD USAMPS	12.RD		W911SF718P0040	7,750
RAPID, FIELD-DEPLOYABLE & NONINVASIVE MICROWAVE METHOD FOR CONCRETE ASSESSMENT	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30119-500-01-1690	41
REGION A DO19 LOT 1	12.RD	HARRIS CORPORATION	A000388791	30,968
REGION C D026	12.RD	HARRIS CORPORATION	A000406125	34,381
REGION C DO17 LOT 2	12.RD	HARRIS CORPORATION	A000396062	464,251
REGION C DO42 LOT 4	12.RD	HARRIS CORPORATION	A000436237	84,784
REGIONAL PHASE ATTENUATION ACROSS THE ZAGROS	12.RD		FA9453-14-C-0216	(1,480)
RESEARCH AND DEVELOPMENT OF RESILIENT SOLAR CELL COVER GLASS BONDING	12.RD	APPLIED TECHNOLOGY ASSOCIATES	160300	37,208
RFID FOR METALLIC ENVIRONMENT	12.RD	TECHNICAL DATA ANALYSIS INC	N122-126	64,106
RUGGEDIZED, MAN-PORTABLE AND REAL-TIME MICROWAVE HIGH-RESOLUTION 3D CAMERA FOR ON-SITE BODY AND VEHICLE ARMOR INSPECTION	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30100-SC1660	30,000
SBIR ARMY'S PHASE I: PROPOSAL, RADIOLYTIC ATOMIC CELL FOR LONG-LIVED SENSORS	12.RD	INFINITY POWER LLC	A151-018-0600	7,243
SBIR/STTR: ARMY'S PHASE II: SBIR PROPOSAL, RADIOLYTIC ATOMIC CELL FOR LONG-LIVED SENSORS	12.RD	INFINITY POWER LLC	N/A	163,301
SBIR: PHASE 2 TARGET BROKER COMPRESSION	12.RD	INTELLIGENT FUSION TECH	IFT032-02	53,495
SCALE UP OF DIELECTRIC FILMS FOR HIGH ENERGY DENSITY CAPACITORS	12.RD	GENERAL ATOMICS	4500054937	45,731
SITE PREPARATION FOR LONGLEAF PINE RESTORATION ON HYDRIC SITES	12.RD		W912HQ-17-C-0022	121,174
STTR: DESTRUCTION OF AFF IN HFZ REACTOR	12.RD	NANO-ELECTROMAGNETICS LLC	N/A	53,878
STTR: NEXT GENERATION TRACKING ARCHITECTURES FOR URBAN SURVEILLANCE AREAS	12.RD	ULTRAHINET LLC	N/A	2,393
TESLA 9: SYSTEM LEVEL FAILURE PREDICTION FROM IC MODELS	12.RD	VERUS RESEARCH	1020-001	200,891
T174 - L-BAND C-UAS	12.RD	BOOZ ALLEN HAMILTON	N00178-04-D4024	49,759
TRAJECTORY RECONSTRUCTION ALGORITHMS FOR CONSISTENT EVENT REGISTRATION (TRACER)	12.RD	APPLIED TECHNOLOGY ASSOCIATES	160560	116,518
VACCINE CANDIDATES FOR Q FEVER	12.RD	TEXAS A&M UNIVERSITY	23-S142344 / M1402336	129,959

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VIRTUALLY GUIDED CERTIFICATION OF COMPUTER NUMERICALLY CONTROLLED MACHINE TOOLS VIA VIRTUAL TWIN	12.RD	BOEING CORPORATION	PC1330354	\$ 139,683
HEALTHY HOMES TECHNICAL STUDIES GRANTS	14.906	CHILDRENS MERCY HOSPITAL	13-0032	(7,875)
WILDLAND FIRE RESEARCH AND STUDIES PROGRAM	15.232	UNIVERSITY OF TENNESSEE	8500038550	9,369
SPORT FISH RESTORATION PROGRAM	15.605	MISSOURI DEPARTMENT OF CONSERVATION	380	85,038
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	KANSAS WILDLIFE, PARKS AND TOURISM	N/A	46,181
		MISSOURI DEPARTMENT OF CONSERVATION	357	
		MISSOURI DEPARTMENT OF CONSERVATION	369	
		MISSOURI DEPARTMENT OF CONSERVATION	373	
		MISSOURI DEPARTMENT OF CONSERVATION	377	938,959
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	NEBRASKA GAME AND PARKS	N/A	69,705
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	PENNSYLVANIA GAME COMMISSION	PO4300410870	78,911
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	STATE OF NEBRASKA	N/A	51,765
STATE WILDLIFE GRANTS	15.634	ARKANSAS GAME AND FISH COMMISSION	N/A	62,754
RESEARCH GRANTS (GENERIC)	15.650			1,779
NATURAL RESOURCE DAMAGE ASSESSMENT, RESTORATION AND IMPLEMENTATION	15.658			84,282
FISH AND WILDLIFE COORDINATION AND ASSISTANCE PROGRAMS	15.664	MISSOURI CONSERVATION HERITAGE FOUNDATION	N/A	50,090
COOPERATIVE LANDSCAPE CONSERVATION	15.669	NEBRASKA GAME AND PARKS	N/A	37,084
COOPERATIVE LANDSCAPE CONSERVATION	15.669	WILDLIFE MANAGEMENT INSTITUTE	GPLCC/GCPLCC 2016-+01	158,196
COOPERATIVE ECOSYSTEM STUDIES UNITS	15.678			83,984
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805			60,228
U.S. GEOLOGICAL SURVEY_ RESEARCH AND DATA COLLECTION	15.808			137,958
COOPERATIVE RESEARCH UNITS PROGRAM	15.812			291,972
		UNIVERSITY OF MASSACHUSETTS	12 007036 E	
NATIONAL CLIMATE CHANGE AND WILDLIFE SCIENCE CENTER	15.820	UNIVERSITY OF MASSACHUSETTS	17-009638 A 00	169,844
NATURAL RESOURCE STEWARDSHIP	15.944			2,579
COOPERATIVE RESEARCH AND TRAINING PROGRAMS D RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			96,174
GEO-SPATIAL RECONSTRUCTION AND MAPPING OF THE LEWIS AND CLARK HISTORIC TRAIL	15.RD		J6490100352	18
RDX PHYTOFORENSIC SAMPLING IN TREE TISSUES	15.RD		G16PX00697	1,355
STATE JUSTICE STATISTICS PROGRAM FOR STATISTICAL ANALYSIS CENTERS	16.550	MISSOURI DEPARTMENT OF PUBLIC SAFETY	N/A	39,866
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560	UNIVERSITY OF VIRGINIA	GG11811 147780	16,054
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560			1,160,000
SPECIAL DATA COLLECTIONS AND STATISTICAL STUDIES	16.734			20,609
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738	KANSAS CITY MISSOURI POLICE DEPARTMENT	2016-WY-BX-0006	54,644
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751	CITY OF ST. LOUIS METRO POLICE DEPARTMENT	2016-DG-BX-K001	54,251
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817	CITY OF ST. LOUIS DEPARTMENT OF HEALTH	HD Contract #16-27 DJA-15-AHDQ-K-0184/ 2016-BJ-R-1280	34,374
ATF EXPLOSIVE ENGINEERING COURSES	16.RD			465,384
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109			1,127,750
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	BOOZ ALLEN HAMILTON	SP900139BAH	57,198
		IOWA STATE UNIVERSITY	17970	
		IOWA STATE UNIVERSITY	17972	28,220
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	OKLAHOMA DEPARTMENT OF TRANSPORTATION	3459056367	45,685
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	PARSONS BRINCKERHOFF INC	Task Order No. 03	30,557
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	PURDUE UNIVERSITY	4108-68289	6,208
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	SHANNON & WILSON INC	23-1-01565	30,146
		TRANSPORTATION RESEARCH BOARD	HR 04-40	
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	TRANSPORTATION RESEARCH BOARD	HR 20-05(47-03)	57,205
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200			45,230
HIGHWAY PLANNING AND CONSTRUCTION	20.205	CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0613	141,762
HIGHWAY PLANNING AND CONSTRUCTION	20.205	EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	17221-MoRAP-063017	(211)
		IOWA DEPARTMENT OF TRANSPORTATION	19998	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	IOWA DEPARTMENT OF TRANSPORTATION	TPF-5(295) #19025	47,305
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MARQUETTE UNIVERSITY	0092-16-01	25,566
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201713	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201714	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201717	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201722	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201804	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201806	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201807	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TR201809	429,902

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		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201518	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201613	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201614	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201616	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201701	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201702	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201703	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201704	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201705	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TR201712	\$ 255,487
HIGHWAY PLANNING AND CONSTRUCTION	20.205	UNIVERSITY OF WISCONSIN PLATTEVILLE	N/A	23,657
HIGHWAY PLANNING AND CONSTRUCTION	20.205	WISCONSIN DEPARTMENT OF TRANSPORTATION	0092-16-07	59,771
HIGHWAY TRAINING AND EDUCATION	20.215	IOWA STATE UNIVERSITY	436-17-35	37,522
FORMULA GRANTS FOR RURAL AREAS	20.509	MISSOURI DEPARTMENT OF TRANSPORTATION	RTAP	86,795
PUBLIC TRANSPORTATION RESEARCH	20.514			86,884
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	IOWA STATE UNIVERSITY	436-77-40	475,110
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	UNIVERSITY OF ALASKA	UAF 17-0108 / PO P0515932	246,030
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	UNIVERSITY OF NEBRASKA LINCOLN	25-1121-0005-130	153,505
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701			1,608,522
PIPELINE SAFETY RESEARCH COMPETITIVE ACADEMIC AGREEMENT PROGRAM (CAAP)	20.724			165,988
ENHANCING SAFETY RISK MANAGEMENT WITH QUANTITATIVE MEASURES	20.RD	VIRGINIA SPACE GRANT CONSORTIUM	N/A	601
NCHRP 12-104: GUIDELINES TO IMPROVE THE QUALITY OF ELEMENT LEVEL BRIDGE INSPECTION DATA	20.RD	TRANSPORTATION RESEARCH BOARD	HR 12-104	114,649
NCHRP18-17 ENTRAINED AIR VOID SYSTEM FOR DURABLE HIGHWAY CONCRETE	20.RD	IOWA STATE UNIVERSITY	428-17-14A	82,505
RUNWAY CONDITION INDEX STUDY FOR STATE FUNDED AIRPORTS	20.RD	APPLIED RESEARCH ASSOCIATES INC	S-003057-00.UMO	24,905
SLOPE INSTRUMENTATION AND DEVELOPMENT OF A LANDSLIDE WARNING SYSTEM	20.RD	UNIVERSITY OF HAWAII	MA1239	8,232
STUDY ON THE PERFORMANCE OF BRIDGES	21.RD	TRANSPORTATION RESEARCH BOARD	2000009045	22,348
FAIR COMPETITION COUNSELING AND INVESTIGATION OF COMPLAINTS	36.001			4,865
		JET PROPULSION LABORATORY	1545559	
		JET PROPULSION LABORATORY	1549171	
SCIENCE	43.001	JET PROPULSION LABORATORY	RSA 1563602	
		JET PROPULSION LABORATORY	RSA1595819	61,908
		SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO6-17130X	
SCIENCE	43.001	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO7-18123A	33,886
SCIENCE	43.001	SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15040.001-A	15,190
SCIENCE	43.001	UNIVERSITY OF MINNESOTA	H006036602	9,477
SCIENCE	43.001			466,743
EXPLORATION	43.003			49,367
SPACE OPERATIONS	43.007			2,500
EDUCATION	43.008	NATIONAL INSTITUTE OF AEROSPACE	C16-2B00-MST	28,410
EDUCATION	43.008	WICHITA STATE UNIVERSITY	WSUSUB10430	49,660
EDUCATION	43.008			1,070,198
CROSS AGENCY SUPPORT	43.009			24,511
SPACE TECHNOLOGY	43.012			490,417
BUILDING THE SPT-HST LEGACY: IMAGING MASSIVE CLUSTERS TO Z=1.5	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-15307.003-A	13,649
CLIMATIC AND SOCIOECONOMIC DRIVERS OF LAND-COVER AND LAND-USE CHANGE IN TROPICAL ANDEAN ALPINE WETLANDS	43.RD	SCIENCE SYSTEMS AND APPLICATIONS INC	21512-16-003	67,458
DESIGN OF AN ADAPTIVE REAL-TIME MILLIMETER WAVE IMAGING SYSTEM FOR IN-SPACE NDT APPLICATIONS	43.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30099-SC1659	37,000
DETERMINING THE ROLE OF MERGING IN THE GROWTH OF THE GALAXY CLUSTER POPULATION IN THE MASSIVE AND DISTANT CLUSTERS OF WISE SURVEY	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-14456.001-A	4,561
FREQUENCY SELECTIVE SURFACE-BASED SENSING FOR WIRELESS STRUCTURAL HEALTH MONITORING	43.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F30097-500-01-SC1658	24,432
SEE CHANGE: TESTING TIME-VARYING DARK ENERGY WITH Z > 1 SUPERNOVAE AND THEIR MASSIVE CLUSTER HOSTS	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-13677.015-A	4,524
SNAPSHOTS OF MASSIVE GALAXY CLUSTERS AT Z=1 FROM THE MASSIVE AND DISTANT CLUSTERS OF WISE SURVEY	43.RD	JET PROPULSION LABORATORY	1540175	(1,915)
UNIFYING THE INTERSTELLAR EXTINCTION AND ELEMENTAL ABUNDANCES: A COMPREHENSIVE STUDY OF THE DUST PROPERTIES IN INDIVIDUAL INTERSTELLAR SIGHT LINES	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15037.001-A	44,084
PROMOTION OF THE HUMANITIES RESEARCH	45.161			86,036
PROMOTION OF THE HUMANITIES TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT	45.162			42,267
NATIONAL LEADERSHIP GRANTS	45.312			33,444
ENGINEERING GRANTS	47.041	CARNEGIE MELLON UNIVERSITY	1122191-351314	40,337
ENGINEERING GRANTS	47.041	GEORGE WASHINGTON UNIVERSITY	15-S31	3,552
ENGINEERING GRANTS	47.041	IMPEDX DIAGNOSTICS	N/A	41,449
ENGINEERING GRANTS	47.041	MIHRAB NANOTECHNOLOGY LLC	1622881	40,042
ENGINEERING GRANTS	47.041	MISSISSIPPI STATE UNIVERSITY	060100.362600.01	(308)
ENGINEERING GRANTS	47.041	NORTH CAROLINA STATE UNIVERSITY	2008-1015-03	219,785
ENGINEERING GRANTS	47.041	RUTGERS UNIVERSITY	SUBAWARD NO. 0002	53,947
ENGINEERING GRANTS	47.041	SMART HEALTH BEACONS	IIP-1648907	42,636

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ENGINEERING GRANTS	47.041	SYRACUSE UNIVERSITY	28250-04301-S02	\$ 3,022
ENGINEERING GRANTS	47.041	THERMOFLOW LABS	N/A	32,787
ENGINEERING GRANTS	47.041	TUFTS UNIVERSITY	100854-00001	46,204
ENGINEERING GRANTS	47.041	UNIVERSITY OF ARKANSAS	SA1610096	48,249
ENGINEERING GRANTS	47.041	UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200001492-18-080	23,670
ENGINEERING GRANTS	47.041	UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION	ULRF 16-1120-01	(1,539)
ENGINEERING GRANTS	47.041	UNIVERSITY OF WASHINGTON	UWSC8873	20,909
ENGINEERING GRANTS	47.041	WORCESTER POLYTECHNIC INSTITUTE	16-204140-01	48,877
ENGINEERING GRANTS	47.041			4,087,419
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	NATIONAL RADIO ATRONOMY OBSERVATORY	1519126	1,742
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	NORTHWESTERN UNIVERSITY	SP0013743-PROJ000365	27,348
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	VIRGINIA TECH UNIVERSITY	479342-19228	43,956
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			4,074,703
GEOSCIENCES	47.050	COLUMBIA UNIVERSITY	69(GG009393)	19,082
GEOSCIENCES	47.050	UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	FY2015-091	12,070
GEOSCIENCES	47.050			837,375
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	NEW JERSEY INSTITUTE FOR TECHNOLOGY	996634	55,748
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	UNIVERSITY OF NORTH TEXAS	GF30029-1	19,216
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			2,105,444
BIOLOGICAL SCIENCES	47.074	CARY INSTITUTE OF ECOSYSTEM STUDIES	3335/200201871	16,779
BIOLOGICAL SCIENCES	47.074	COLORADO STATE UNIVERSITY	G-4023-1	14,558
BIOLOGICAL SCIENCES	47.074	CORNELL UNIVERSITY	67183-10109	118,896
BIOLOGICAL SCIENCES	47.074	INSTITUTE OF ECOSYSTEM STUDIES	3161/200201409	673
BIOLOGICAL SCIENCES	47.074	ST. LOUIS UNIVERSITY	eRS# 39493	17,214
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF GEORGIA	RC371-288/S000904	
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF GEORGIA	SUB00000817	541,711
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF MINNESOTA	H004551101	27,317
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF RHODE ISLAND	0004451/102615	
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF RHODE ISLAND	4451/102615	131,242
BIOLOGICAL SCIENCES	47.074	WASHINGTON STATE UNIVERSITY	118996 G003358	288,514
BIOLOGICAL SCIENCES	47.074	WORCESTER POLYTECHNIC INSTITUTE	16-203730-00	28,668
BIOLOGICAL SCIENCES	47.074			7,247,950
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075			1,242,075
EDUCATION AND HUMAN RESOURCES	47.076	AMERICAN ASTRONOMICAL SOCIETY	N/A	11,106
EDUCATION AND HUMAN RESOURCES	47.076	HARRIS STOWE STATE COLLEGE	1619639	
EDUCATION AND HUMAN RESOURCES	47.076	HARRIS STOWE STATE COLLEGE	N/A	68,792
EDUCATION AND HUMAN RESOURCES	47.076	HUNTER COLLEGE OF THE CITY UNIVERSITY OF NEW YORK	40A70-B	201
EDUCATION AND HUMAN RESOURCES	47.076	ILLINOIS STATE UNIVERSITY	A17-0061-S002	27,228
EDUCATION AND HUMAN RESOURCES	47.076	RESEARCH FOUNDATION OF SUNY	77903-1139096-3	27,186
EDUCATION AND HUMAN RESOURCES	47.076	STATE UNIVERSITY OF NEW YORK AT BUFFALO	N/A	5,000
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF COLORADO AT BOULDER	1550703	42,307
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF MARYLAND	47965-24772001	36,655
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF NEBRASKA LINCOLN	25-6238-0781-002	9,199
EDUCATION AND HUMAN RESOURCES	47.076			3,712,397
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079			429,894
OFFICE OF INTEGRATIVE ACTIVITIES	47.083			4,160,189
BUILDING WITH BIOLOGY FORUM 2018	47.RD	MUSEUM OF SCIENCE BOSTON	N/A	60
EXPANDING THE STATEWIDE I-CORPS SITE PROGRAM	47.RD	MISSOURI TECHNOLOGY CORPORATION	2017-23-019	37,250
IPA ASSIGNMENT FOR DR. CHENGSHAN XIAO TO A PROGRAM DIRECTOR POSITION IN THE CCS PROGRAM	47.RD		1539316	20,402
IPA: SHUBRA GANGOPADHYAY, PROGRAM DIRECTOR IN THE COMMUNICATIONS, CIRCUITS, AND SENSING SYSTEMS PROGRAM	47.RD		1650301	272,942
IPA AGREEMENT WITH MINNEAPOLIS VA HEALTHCARE SYSTEM	64.RD	MINNEAPOLIS VA HEALTH CARE SYSTEM	N/A	27,722
IPA AGREEMENT WITH VA HEALTHCARE SYSTEM	64.RD		N/A	803,534
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461	MISSOURI DEPARTMENT OF CONSERVATION	384	44,119
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461			121,456
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509			146,743
GREATER RESEARCH OPPORTUNITIES (GRO) FELLOWSHIPS FOR UNDERGRADUATE ENVIRONMENTAL STUDY	66.513			15,235
ANALYSIS OF MULTI-WALLED CARBON NANOTUBE RELEASED FROM POLYMER MATRIX USING SP-ICP-MS	66.RD	PEGASUS TECHNICAL SERVICES INC	MS&T-17-001	18,660
INVESTIGATION OF NANOPARTICLES FATE IN SIMULATED GASTRIC FLUID USING SP-ICP-MS	66.RD	PEGASUS TECHNICAL SERVICES INC	MS&T-18-001 EP-C-15-010	11
PERFLUOROOCTANOIC ACID (PFOA), PERFLUOROOCTANE SULFONATE (PFOS), HARMFUL ALGAE, ALGAL TOXIN OCCURRENCE SCREENING, AND TASTE/ODOR CONTROL IN MISSOURI DRINKING WATER SYSTEMS	66.RD	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	106,756
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM	77.008			655,499
STATE ENERGY PROGRAM	81.041	MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	N/A	2,500
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	COLD SPRING HARBOR LABORATORY	51850113	19,245
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DONALD DANFORTH PLANT SCIENCE CENTER	23410-M	4,298
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710004152	115,308
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	MISSOURI SCIENCE CORPORATION	00050313	
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	MISSOURI SCIENCE CORPORATION	N/A	18,142
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	NORTH CAROLINA STATE UNIVERSITY	2015-2076-01	95,995
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	PHDS CO	N/A	8,028

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Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Federal Expenditures
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	THERMOFLOW LABS	N/A	\$ 16,561
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UES	S-133-000-001	21,509
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF SOUTHERN CALIFORNIA	68291175	111,439
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF TEXAS AUSTIN	UTA15-001186	687,847
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF WASHINGTON	UWSC9930	21,975
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049			1,898,248
CONSERVATION RESEARCH AND DEVELOPMENT	81.086			515,221
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	AMES LABORATORY	SC-15-433	21,368
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	UNIVERSITY OF FLORIDA	UF13014 > UFDS00011010	(2,591)
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087			1,127,780
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	GAS TECHNOLOGY INSTITUTE	S733-22166	104,907
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	MINNESOTA INSTITUTE OF MINING AND TECHNOLOGY	N/A	28,357
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	MISSOURI STATE UNIVERSITY	DE-FE0031554	5,802
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089			382,547
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112			72,945
ENERGY EFFICIENCY AND RENEWABLE ENERGY INFORMATION DISSEMINATION, OUTREACH, TRAINING AND TECHNICAL ANALYSIS/ASSISTANCE	81.117			266,198
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	IDAHO STATE UNIVERSITY	16-0226A	12,936
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121			621,310
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	ADVANCED COOLING TECHNOLOGY INC	24019	206,245
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	GAS TECHNOLOGY INSTITUTE	22144	189,325
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	GEORGIA INSTITUTE OF TECHNOLOGY	RH140-G1	31,940
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	REDWAVE ENERGY INC	UoM-0529-16	91,895
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	UNIVERSITY OF FLORIDA	UFDS00012000	217,237
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	VIRGINIA COMMONWEALTH UNIVERSITY	FP00001756-SA002	124,940
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135			118,944
ADDITIVE MANUFACTURING OF BATTERIES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000217910	106,529
ADDITIVE MANUFACTURING OF BATTERIES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000258110	101,311
ADDITIVE MANUFACTURING OF CERAMIC AND CERAMIC COMPOSITES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000215350	80,664
ADDITIVE MANUFACTURING RAW MATERIAL ANALYSIS	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	PO# N000186386	(20)
ADDITIVE MANUFACTURING RAW MATERIAL ANALYSIS II	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000217275	3,821
ALUMINA BRAZE METHOD	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	1,300
AM OF CERAMIC COMPOSITES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000261784	45,142
BEHAVIOR OF IMPLANTED HELIUM BELOW TUNGSTEN SURFACES, AS STUDIED BY LARGE-SCALE MOLECULAR DYNAMICS (MD) SIMULATIONS IN SUPPORT OF ORNL (SAO 6400013317)	81.RD	BATTELLE OAK RIDGE NATIONAL LABORATORY	4000135920	39,494
BUILDING AND CONFIGURING A GLASS MELTING ADDITIVE MANUFACTURING SYSTEM	81.RD	LOS ALAMOS NATIONAL LABORATORY	487084	53,800
COATING ULTRATHIN CONDUCTIVE POLYMER ON POROUS SUBSTRATE	81.RD	PACIFIC NORTHWEST NATIONAL LABORATORY	389090	16,624
COUNTERING PATHOGEN INTERFACES WITH HUMAN DEFENSES CREATION OF AN ADAPTIVE REMAINING LIFETIME PREDICTION MODEL OF POWER ELECTRONICS	81.RD	LOS ALAMOS NATIONAL LABORATORY	363436	39,179
DEMONSTRATION OF EFFECTIVENESS OF DCCP AND IT'S MEASUREMENT PRINCIPLE	81.RD	NATIONAL RENEWABLE ENERGY LABORATORY	XFC-7-62302-01	50,022
DEMONSTRATION OF EFFECTIVENESS OF DCCP AND IT'S MEASUREMENT PRINCIPLE	81.RD	PURDUE UNIVERSITY	4105-78626	7,960
DESIGN FOR MITIGATION OF ELECTROMAGNETIC NOISE COUPLING DEVELOPMENT AND FABRICATION OF THIN FILM PASSIVE DEVICES ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AND LAMINATE SUBSTRATES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000220289	41,101
DEVELOPMENT OF LARGE MASS HELICAL LAUNCHER	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000185613	103,458
DNS COMPUTATIONS OF TURBULENT PRESSURE FLUCTUATIONS ON A CONE IN A WIND TUNNEL	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000174953	35,556
FREQUENCY RESPONSE INSPECTION OF ADDITIVELY MANUFACTURED PARTS FOR DEFECT IDENTIFICATION	81.RD	SANDIA NATIONAL LABORATORY	1885712	9,610
FREQUENCY RESPONSE INSPECTION OF ADDITIVELY MANUFACTURED PARTS FOR DEFECT IDENTIFICATION	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000182444	92,747
FREQUENCY RESPONSE INSPECTION OF ADDITIVELY MANUFACTURED PARTS FOR DEFECT IDENTIFICATION	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000261348	3,837
FUTURE GLASS SEALS	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000259995	6,262
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N0000262729	7,565
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000224172	40,206
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000262729	67,121
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN CIRCULAR PIPES FOR HEAT TRANSFER	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000216415	70,720
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN CIRCULAR PIPES FOR HEAT TRANSFER	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000260325	30,698
LANL/MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY CYBER SECURITY SCIENCES INSTITUTE	81.RD	LOS ALAMOS NATIONAL LABORATORY	259565	74,768
MATERIALS SCIENCE & ENGINEERING SENIOR DESIGN GROUP #14 METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	SANDIA NATIONAL LABORATORY	1750202	1,687
MATERIALS SCIENCE & ENGINEERING SENIOR DESIGN GROUP #14 METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000216452	706,583
MATERIALS SCIENCE & ENGINEERING SENIOR DESIGN GROUP #14 METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000256497	325,843
MINIATURIZED RADAR ASSEMBLY PROJECT	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	2,443
MISSOURI OZARK AMERIFLUX (MOFLUX) PROJECT PHASE FOUR	81.RD	OAK RIDGE NATIONAL LABORATORY	4000150689	145,268
MISSOURI S&T SOLAR HOUSE 2017	81.RD		N/A	125,000

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MOLECULAR MECHANISMS GOVERNING MERCURY BIOGEOCHEMICAL TRANSFORMATIONS	81.RD	OAK RIDGE NATIONAL LABORATORY	4000147581	\$ 48,460
NUCLEAR REACTOR UPGRADE	81.RD	PACIFIC NORTHWEST NATIONAL LABORATORY	234597	3,540
PREDICTING THE PERFORMANCE AND IMPACT OF DYNAMIC PFC SURFACES	81.RD	BATTELLE OAK RIDGE NATIONAL LABORATORY	4000159698	28,337
R&D AIRBORNE DUST EXPLOSION EVALUATION	81.RD	CONSOLIDATED NUCLEAR SECURITY LLC	4300096259	22,193
R&D AIRBORNE DUST EXPLOSION EVALUATION	81.RD	IDAHO NATIONAL LABORATORY	186624	80,881
RADAR 2021 - DEVELOPMENT AND FABRICATION OF THIN FILM PASSIVE DEVICES ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AND LAMINATE SUBSTRATES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000256504	85,977
RAPID DEDUCTION AND COMPARATIVE GENOMICS OF SURVIVAL MECHANISMS OF METAL-REDUCING MICROBES, FY 2012 ,2013 & 2014 - WALL PROJECT TITLE: GENETICS AND PHYSIOLOGY OF ANAEROBIC MICROBES	81.RD	LAWRENCE BERKELEY NATIONAL LABORATORY	6700892	474,775
REAL TIME SIGNAL PROCESSING WITH MICROZED	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	1,000
SPIN COATING LTCC SUBSTRATES - SENIOR DESIGN	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N000247472	62
SUMMER RESEARCH EXPERIENCE IN ADDITIVE MANUFACTURING ZNO EXTRUSION	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGY	N/A	12,775
UNDERGRADUATE INTERNATIONAL STUDIES AND FOREIGN LANGUAGE PROGRAMS	84.016	SANDIA NATIONAL LABORATORY	SPO1882854	4,181
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200			66,779
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	JOHNS HOPKINS UNIVERSITY	2002639185	896,367
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305			39,978
RESEARCH IN SPECIAL EDUCATION	84.324	UNIVERSITY OF MINNESOTA	A003348601	2,658,783
RESEARCH IN SPECIAL EDUCATION	84.324	UNIVERSITY OF MINNESOTA	A005942802	205,855
RESEARCH IN SPECIAL EDUCATION	84.324	UNIVERSITY OF SOUTH FLORIDA	5810-1021-00-A	88,206
RESEARCH IN SPECIAL EDUCATION	84.324			58,064
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325			252,541
SPECIAL EDUCATION TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326			56,461
IMPROVING TEACHER QUALITY STATE GRANTS	84.367	MISSOURI DEPARTMENT OF HIGHER EDUCATION	N/A	58,286
INVESTING IN INNOVATION (I3) FUND	84.411	MORNINGSIDE CENTER FOR TEACHING	N/A	17,647
BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE	93.073	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380003	6,595
FOOD AND DRUG ADMINISTRATION RESEARCH	93.103			20,214
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110	MASSACHUSETTS GENERAL HOSPITAL	226859	39,690
ENVIRONMENTAL HEALTH	93.113	INDIANA UNIVERSITY	BL-4645301-UM	1,247
ENVIRONMENTAL HEALTH	93.113	UNIVERSITY OF NORTH CAROLINA AT GREENSBORO	20170011	36,004
ENVIRONMENTAL HEALTH	93.113			1,122,322
ORAL DISEASES AND DISORDERS RESEARCH	93.121	WASHINGTON STATE UNIVERSITY	WU-17-285	117,739
ORAL DISEASES AND DISORDERS RESEARCH	93.121			2,441,107
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH170018005	480
NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION	93.143			13,500
HUMAN GENOME RESEARCH	93.172			132,101
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	INDIANA UNIVERSITY	BL-4635515-UMC	86,089
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173			220,687
DISABILITIES PREVENTION	93.184	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380030	91,634
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213			100,555
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	OREGON HEATH SCIENCE UNIVERSITY	1005865_CUMissouri	27,805
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	RUTGERS UNIVERSITY	6117	
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	RUTGERS UNIVERSITY	pre-award	20,700
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	UNIVERSITY OF PITTSBURGH	0042771(125364-2)	51,478
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226			1,689,072
MENTAL HEALTH RESEARCH GRANTS	93.242	BRANDEIS UNIVERSITY	403000	238,044
MENTAL HEALTH RESEARCH GRANTS	93.242	EXOCYTRONICS LLC	00047734	162,543
MENTAL HEALTH RESEARCH GRANTS	93.242	LOUISIANA STATE UNIVERSITY	NURS-18-117-002	1,395
MENTAL HEALTH RESEARCH GRANTS	93.242	RAND CORPORATION	9920170010	14,901
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	10181sc	52,930
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF HAWAII	KA1083	12,258
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF MINNESOTA	N006344501	12,676
MENTAL HEALTH RESEARCH GRANTS	93.242			2,501,989
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243			566,626
ADVANCED NURSING EDUCATION GRANT PROGRAM	93.247			592,663
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262	UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-127	11,229
ALCOHOL RESEARCH PROGRAMS	93.273	UNIVERSITY OF MEMPHIS	University Index 5-4	33,609
ALCOHOL RESEARCH PROGRAMS	93.273	UNIVERSITY OF PITTSBURGH	0030254 (123938-1)	31,800

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ALCOHOL RESEARCH PROGRAMS	93.273	WASHINGTON STATE UNIVERSITY	WU-17-150	\$ 80,275
ALCOHOL RESEARCH PROGRAMS	93.273			2,756,152
DRUG-FREE COMMUNITIES SUPPORT PROGRAM GRANTS	93.276	PARKWAY MISSOURI SCHOOL DISTRICT	N/A	(5,541)
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	REAL PREVENTION LLC	N/A	34,875
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	UNIVERSITY OF MARYLAND	R01DA042748	1,217
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279			492,473
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	ASSOCIATION FOR PREVENTION TEACHING AND RESEARCH	17-21-TH30	24,459
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	WASHINGTON STATE UNIVERSITY	WU-17-80	
		WASHINGTON STATE UNIVERSITY	WU-18-86	136,567
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283			80,075
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286	OHIO STATE UNIVERSITY	60054616	6,115
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286			336,937
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307	RAND CORPORATION	9920180014	30,986
TRANS-NIH RESEARCH SUPPORT	93.310	UNIVERSITY OF IOWA	W000922465	6,929
TRANS-NIH RESEARCH SUPPORT	93.310	UNIVERSITY OF MARYLAND BALTIMORE	1677	17,161
TRANS-NIH RESEARCH SUPPORT	93.310			637,119
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	CHILDRENS MERCY HOSPITAL	18-0003	10,783
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.		
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.		
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.		
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPBT00000	
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPBU0000	
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPBU0002	
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPBU0003	
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPBU0003-Berkley-Patton	
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPBU0004	
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	ZPBU0006	213,446
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	WASHINGTON STATE UNIVERSITY	WU-18-356	
		WASHINGTON STATE UNIVERSITY	WU-18-357	
		WASHINGTON STATE UNIVERSITY	WU-18-358	
		WASHINGTON STATE UNIVERSITY	WU-18-372	
		WASHINGTON STATE UNIVERSITY	WU-18-373	
		WASHINGTON STATE UNIVERSITY	WU-18-374	
		WASHINGTON STATE UNIVERSITY	WU-18-375	
		WASHINGTON STATE UNIVERSITY	WU-18-55	110,794
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	WASHINGTON STATE UNIVERSITY	WU-17-4	
		WASHINGTON STATE UNIVERSITY	WU-18-12	
		WASHINGTON STATE UNIVERSITY	WU-18-17	
		WASHINGTON STATE UNIVERSITY	WU-18-18	
		WASHINGTON STATE UNIVERSITY	WU-18-21	
		WASHINGTON STATE UNIVERSITY	WU-18-22	
		WASHINGTON STATE UNIVERSITY	WU-18-23	
		WASHINGTON STATE UNIVERSITY	WU-18-24	
		WASHINGTON STATE UNIVERSITY	WU-18-337	
		WASHINGTON STATE UNIVERSITY	WU-18-338	320,627
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	MICHIGAN STATE UNIVERSITY	RC103190UM	(27)
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	PARATECHS CORPORATION	N/A	28,255
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	UNIVERSITY OF SOUTHERN CALIFORNIA	92097662	12,132
RESEARCH INFRASTRUCTURE PROGRAMS	93.351			5,340,462
BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360	JOHNS HOPKINS UNIVERSITY	6IDSEP130014-01-06	3,731
NURSING RESEARCH	93.361	PERCEPTIMED INC	N/A	109,113
NURSING RESEARCH	93.361	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	8648	16,057
NURSING RESEARCH	93.361	UNIVERSITY OF WASHINGTON	UWSC9864	53,595
NURSING RESEARCH	93.361	WASHINGTON STATE UNIVERSITY	WU-14-86-MOD-3	
		WASHINGTON STATE UNIVERSITY	WU-16-301	20,759
		WASHINGTON STATE UNIVERSITY	WU-15-341	
NURSING RESEARCH	93.361	WASHINGTON STATE UNIVERSITY	WU-17-77	36,868
NURSING RESEARCH	93.361			542,718
CANCER CAUSE AND PREVENTION RESEARCH	93.393	UNIVERSITY OF KANSAS	FY2014-081	104,460
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.		
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	1R21CA204767	
CANCER CAUSE AND PREVENTION RESEARCH	93.393	UNIVERSITY OF TEXAS SCIENCE CENTER AT HOUSTON	QR864360	20,547
		UNIVERSITY OF TEXAS SCIENCE CENTER AT HOUSTON	0012186A	
CANCER CAUSE AND PREVENTION RESEARCH	93.393	UNIVERSITY OF TEXAS SCIENCE CENTER AT HOUSTON	0012844B	48,335
CANCER CAUSE AND PREVENTION RESEARCH	93.393			662,349
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	DUQUESNE UNIVERSITY	250080	24,727

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CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	SURGISENSE CORPORATION	N/A	\$ 1,199
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	WASHINGTON UNIVERSITY	WU-16-310	1,161
CANCER TREATMENT RESEARCH	93.395	ALLIANCE FOR CLINICAL TRIALS IN ONCOLOGY	MO036	863
		CHILDRENS HOSPITAL OF PHILADELPHIA	9500080215-12c	
CANCER TREATMENT RESEARCH	93.395	CHILDRENS HOSPITAL OF PHILADELPHIA	NCORP FP00017458_SUB142	7,107
CANCER TREATMENT RESEARCH	93.395	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD517367B	2,384
CANCER TREATMENT RESEARCH	93.395	ONCOVIR INC	ONC2014-001	45,372
CANCER TREATMENT RESEARCH	93.395	UNIVERSITY OF IOWA	W000651422	11,788
CANCER TREATMENT RESEARCH	93.395			896,130
CANCER BIOLOGY RESEARCH	93.396	FLORIDA ATLANTIC UNIVERSITY	RJ86	29,754
CANCER BIOLOGY RESEARCH	93.396	UNIVERSITY OF GEORGIA	RR571-424/S001502	89,715
CANCER BIOLOGY RESEARCH	93.396			324,609
		MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD518793A	
CANCER CENTERS SUPPORT GRANTS	93.397	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD518793C	133,703
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433	UNIVERSITY OF ILLINOIS SYSTEM	16247-02	3,210
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	CHILDRENS MERCY HOSPITAL	16-0001	(132)
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380162	13,636
AFFORDABLE CARE ACT INITIATIVE TO REDUCE AVOIDABLE HOSPITALIZATIONS AMONG NURSING FACILITY RESIDENTS	93.621			4,528,230
SOCIAL SERVICES RESEARCH AND DEMONSTRATION	93.647			136,285
TRANS-NIH RECOVERY ACT RESEARCH SUPPORT	93.701	THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	HHSN271200900019C	4,793
ALZHEIMERÖS DISEASE INITIATIVE: SPECIALIZED SUPPORTIVE SERVICES PROJECT (ADI-SSS) THRU PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.763	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, IN	90ALGG0009	95,712
MEDICAL ASSISTANCE PROGRAM	93.778	CENTER FOR DISCOVERY	N/A	7,103
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC15380134	40,695
CARDIOVASCULAR DISEASES RESEARCH	93.837	BRIGHAM AND WOMENS HOSPITAL	PS# 107223	554
		DUKE UNIVERSITY	203-8480	
CARDIOVASCULAR DISEASES RESEARCH	93.837	DUKE UNIVERSITY	4U01HL105565	98,744
CARDIOVASCULAR DISEASES RESEARCH	93.837	NANOVA, INC	N/A	274,645
CARDIOVASCULAR DISEASES RESEARCH	93.837	NORTHWESTERN UNIVERSITY	60040951 UMC	752
CARDIOVASCULAR DISEASES RESEARCH	93.837	TEXAS A&M UNIVERSITY	23-S152308/M1500033	87,023
CARDIOVASCULAR DISEASES RESEARCH	93.837	TUFTS UNIVERSITY	5010929-SERV	18,229
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	8034sc	69,938
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF ROCHESTER	415620-G	37,265
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF VIRGINIA	GB10393154878	47,062
CARDIOVASCULAR DISEASES RESEARCH	93.837	WASHINGTON UNIVERSITY	WU-16-41	252,308
CARDIOVASCULAR DISEASES RESEARCH	93.837			8,443,223
		INDIANA UNIVERSITY	/20/20171R01HL131730	
LUNG DISEASES RESEARCH	93.838	INDIANA UNIVERSITY	IN4687787UMKC	10,228
		UNIVERSITY OF IOWA	S00313-01	
		UNIVERSITY OF IOWA	W000741745	
		UNIVERSITY OF IOWA	W000873945/1001713614	
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF IOWA	W000976362/1001830340	270,481
LUNG DISEASES RESEARCH	93.838	XEMED LLC	2R44HL117337-3_MU	8,540
LUNG DISEASES RESEARCH	93.838			627,388
BLOOD DISEASES AND RESOURCES RESEARCH	93.839	UNIVERSITY OF TEXAS SOUTHWEST MEDICAL CENTER OF DALLAS	150118	73,761
BLOOD DISEASES AND RESOURCES RESEARCH	93.839	WASHINGTON UNIVERSITY	WU-18-224	10,604
		COLUMBIA UNIVERSITY	1(GG012259)	
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	COLUMBIA UNIVERSITY	1(GG012460)	101,445
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	DUKE UNIVERSITY	203-5349	64,670
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846			1,911,882
		CASE WESTERN UNIVERSITY	RES508613	
		CASE WESTERN UNIVERSITY	RES509467	
		CASE WESTERN UNIVERSITY	RES510017	
		CASE WESTERN UNIVERSITY	RES512221	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	CASE WESTERN UNIVERSITY	RES512551	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	CASE WESTERN UNIVERSITY	RES512868	158,082
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	EMORY UNIVERSITY	T521105	98,658
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	MAYO CLINIC	UNI-203449	71,161
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	THE AMERICAN UROGYNEGOLOGIC SOCIETY	N/A	5,358
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF MICHIGAN	SUBK00007925	952
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF SOUTH FLORIDA	6163-1017-00-X	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF SOUTH FLORIDA	TrialNet Site #224	17,132
		WASHINGTON UNIVERSITY	WU-17-184	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	WASHINGTON UNIVERSITY	WU-17-399	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	WASHINGTON UNIVERSITY	WU-18-308	189,760
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847			2,796,767
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	BRIGHAM AND WOMENS HOSPITAL	112118	5,662

UNIVERSITY OF MISSOURI SYSTEM
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2018

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Federal Expenditures
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			\$ 1,354,494
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	COLORADO STATE UNIVERSITY	G-44372	426
		EMORY UNIVERSITY	T942000	
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	EMORY UNIVERSITY	T942919	30,740
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	GEORGETOWN UNIVERSITY	N/A	499
		LOUISIANA STATE UNIVERSITY	14-17-108	
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	LOUISIANA STATE UNIVERSITY	16-17-104	65,462
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	ROCKEFELLER UNIVERSITY	5R01A1099284-05	10,358
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	TECHSHOT INC	N/A	353,945
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	UNIVERSITY OF TENNESSEE	2R01A058145	18,027
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855			4,543,689
MICROBIOLOGY AND INFECTIOUS DISEASES RESEARCH	93.856			171,525
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	EMORY UNIVERSITY	T951652	36,540
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	LAWRENCE BERKELEY NATIONAL LABORATORY	7115870	38,916
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	SCRIPPS RESEARCH INSTITUTE	5-52934	111,700
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	ST. LOUIS UNIVERSITY	eRS# 39099	138,488
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, IN	ZAF00010	13,642
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF UTAH	10027535-15-M	(2,337)
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859			7,134,974
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	JOHNS HOPKINS UNIVERSITY	2002181008	37,997
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	LEHIGH UNIVERSITY	543567-78001	41,336
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	OREGON HEATH SCIENCE UNIVERSITY	1007056_UMO	2,543
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	10374sc	76,450
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF PITTSBURGH	0053267 (12949-1)	175,391
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF VIRGINIA	GB10325 151803	36,511
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865			1,990,422
AGING RESEARCH	93.866	INDIANA UNIVERSITY	IN4668176UMKC	19,541
		NORTHWESTERN UNIVERSITY	5R01AG047416	
AGING RESEARCH	93.866	NORTHWESTERN UNIVERSITY	60040682 UMKC	6,863
AGING RESEARCH	93.866	UNIVERSITY OF NORTH TEXAS	'	163,530
AGING RESEARCH	93.866	WASHINGTON UNIVERSITY	RF1AG053303	175,605
AGING RESEARCH	93.866			1,048,519
VISION RESEARCH	93.867	UNIVERSITY OF NORTH TEXAS	1R01EY027005	185,185
VISION RESEARCH	93.867			1,385,517
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870	CHILDRENS MERCY HOSPITAL	18-0001	37,516
MEDICAL LIBRARY ASSISTANCE	93.879	UNIVERSITY OF UTAH	10039576-04	53,465
MEDICAL LIBRARY ASSISTANCE	93.879			724,324
CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS	93.898	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380166	971,029
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910	ST. LOUIS COUNTY MISSOURI	N/A	61,728
RURAL HEALTH CARE SERVICES OUTREACH, RURAL HEALTH NETWORK DEVELOPMENT AND SMALL HEALTH CARE PROVIDER QUALITY IMPROVEMENT PROGRAM	93.912	HEALTH CARE COALITION OF LAFAYETTE COUNTY	N/A	11,068
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	STATE OF FLORIDA	AF436E	640
PPHF GERIATRIC EDUCATION CENTERS	93.969	ST. LOUIS UNIVERSITY	5U1QHP28716	24,409
PPHF GERIATRIC EDUCATION CENTERS	93.969	ST. LOUIS UNIVERSITY	U1QHP28716	911
COMPUTER METHODS FOR DIGITIZED HISTOLOGY IMAGE ANALYSIS AND BIOMEDICAL CLASSIFICATION	93.RD		HHSN276201500691P	32,753
DEVELOPMENT OF A LOW COST LIDAR GROUND CONTROL HAZARD DETECTION NETWORK	93.RD		200-2016-91155	173,387
EVALUATION OF ACTIVE SUPPRESSION SYSTEMS FOR UNDERGROUND COAL MINE EXPLOSIONS	93.RD		200-2017-95256	64,036
LABORATORY DIABETES ANALYSIS FOR NHANES 2012-2017 SOLICITATION NUMBER 2012-N-14276	93.RD		200-2012-51278	15,797
SPRINT TRAVEL GRANT - HOSPICE CAREGIVING RESEARCH NETWORK	93.RD	VENTUREWELL	N/A	6,205
NATIONAL DAM SAFETY PROGRAM	97.041	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	(103)
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	LINC LLC	LINC-SUB-UM-17-0001	42,103
		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-05	
		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-13	
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-14	106,033
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001			1,486

UNIVERSITY OF MISSOURI SYSTEM
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS
SUMMARY OF PROGRAM CLUSTERS
Year Ended 6/30/2018

<i>Cluster Name/Program Title</i>	<i>Federal CFDA Number</i>	<i>Pass-Through Entity Name</i>	<i>Pass-Through Entity or Other Identifying Number</i>	<i>Federal Expenditures</i>
RYAN DIBALA: INTERSPECIFIC INTERACTIONS AMONG TREES, SHRUBS, AND GRASS IN A DRY TROPICAL SILVOPASTORAL SYSTEM ON THE AZUERO PENINSULA, PANAMA	98.RD	PURDUE UNIVERSITY	8000069606	\$ 1,655
RESEARCH AND DEVELOPMENT CLUSTER Total				<u>\$ 159,026,044</u>
SNAP CLUSTER				
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.561	MISSOURI DEPARTMENT OF SOCIAL SERVICES MISSOURI DEPARTMENT OF SOCIAL SERVICES MISSOURI DEPARTMENT OF SOCIAL SERVICES MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC10380257 AOC17380070 AOC18380029 AOC18380165	\$ 11,776,607
SNAP CLUSTER Total				<u>\$ 11,776,607</u>
SPECIAL EDUCATION CLUSTER (IDEA)				
SPECIAL EDUCATION GRANTS TO STATES	84.027	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION/A		\$ 3,187,552
SPECIAL EDUCATION CLUSTER (IDEA) Total				<u>\$ 3,187,552</u>
STUDENT FINANCIAL AID CLUSTER				
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS	84.007			\$ 1,727,767
FEDERAL WORK-STUDY PROGRAM	84.033			2,897,993
PERKINS LOAN PROGRAM	84.038			36,238,691
FEDERAL PELL GRANT PROGRAM	84.063			55,468,443
FEDERAL DIRECT STUDENT LOANS	84.268			369,887,711
TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION GRANTS (TEACH GRANTS)	84.379			190,596
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264			2,399,098
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342			18,349,764
NURSING STUDENT LOANS	93.364			1,651,680
STUDENT FINANCIAL AID CLUSTER Total				<u>\$ 488,811,743</u>
TRIO CLUSTER				
TRIO STUDENT SUPPORT SERVICES	84.042			\$ 602,223
TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217			227,176
TRIO CLUSTER Total				<u>\$ 829,399</u>
WIA CLUSTER				
WIA DISLOCATED WORKER FORMULA GRANTS	17.278	MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	99-21-16-17	\$ 203,247
WIA CLUSTER Total				<u>\$ 203,247</u>

University of Missouri System
Notes to the Schedules of Expenditures of Federal Awards
Year Ended June 30, 2018

Notes to Schedules

1. The accompanying schedule of expenditures of federal awards and schedule of expenditures of federal awards – summary of program clusters (the “Schedules”) include the federal award activity of University of Missouri System (the System) under programs of the federal government for the year ended June 30, 2018. The information in these Schedules is presented in accordance with the requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards* (Uniform Guidance). Because the Schedules present only a selected portion of the operations of the System, they are not intended to and do not present the financial position, changes in net position or cash flows of the System.
2. Expenditures reported on the Schedules are reported on the accrual basis of accounting. Such expenditures are recognized following, as applicable, either the cost principles in the Office of Management and Budget (OMB) Circular A-21, *Cost Principles for Educational Institutions* or the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts shown on the Schedules represent adjustments or credits made in the normal course of business to amounts reported as expenditures in prior years. The System has elected not to use the 10 percent de minimis indirect cost rate allowed under the Uniform Guidance.
3. The federal loan programs listed subsequently are administered directly by the System, and balances and transactions relating to these programs are included in the System’s basic financial statements. Loans outstanding at the beginning of the year and loans made during the year are included in the federal expenditures presented in the Schedules. The balance of loans outstanding at June 30, 2018, consists of:

<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Outstanding Balance at 6/30/2018</i>
DEPARTMENT OF EDUCATION LOAN PROGRAMS		
PERKINS LOAN PROGRAM	84.038	\$ 31,198,422
FEDERAL DIRECT STUDENT LOANS	84.268	N/A
DEPARTMENT OF HEALTH AND HUMAN SERVICES LOAN PROGRAMS		
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264	\$ 2,166,592
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342	16,305,739
NURSING STUDENT LOANS	93.364	1,329,081

**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**

Independent Auditor's Report

The Board of Curators
University of Missouri System
Columbia, Missouri

We have audited, in accordance with 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 fiduciary funds of the University of Missouri System (the "System"), a component unit of the State of Missouri, as of and for the year ended June 30, 2018, and the related notes to the financial statements, which collectively comprise the System's basic financial statements, and have issued our report thereon dated October 26, 2018, which contained an emphasis-of-matter paragraph regarding a change in accounting principles.

Internal Control Over Financial Reporting

In planning and performing our audit of the financial statements, we considered the System'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 System's internal control. Accordingly, we do not express an opinion on the effectiveness of the System'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 System's financial statements will not be prevented, or detected and corrected, on a timely basis. A significant deficiency is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

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

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the System'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 results 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.

BKD, LLP

Kansas City, Missouri
October 26, 2018

**Report on Compliance for Each Major Federal Program;
Report on Internal Control Over Compliance; and
Report on Schedules of Expenditures of Federal Awards
Required by the Uniform Guidance**

Independent Auditor's Report

The Board of Curators
University of Missouri System
Columbia, Missouri

Report on Compliance for Each Major Federal Program

We have audited the University of Missouri System's (the "System") compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the System's major federal programs for the year ended June 30, 2018. The System's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

Management's Responsibility

Management is responsible for compliance with federal statutes, regulations and the terms and conditions of its federal awards applicable to its federal programs.

Auditor's Responsibility

Our responsibility is to express an opinion on compliance for each of the System's major federal programs based on our audit of the types of compliance requirements referred to above. We conducted our audit of compliance in accordance with auditing standards generally accepted in the United States of America; the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States; and the audit requirements of Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards* (Uniform Guidance). Those standards and the Uniform Guidance require that we plan and perform the audit to obtain reasonable assurance about whether noncompliance with the types of compliance requirements referred to above that could have a direct and material effect on a major federal program occurred. An audit includes examining, on a test basis, evidence about the System'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 System's compliance.

Opinion on Each Major Federal Program

In our opinion, the System 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, 2018.

Report on Internal Control Over Compliance

Management of the System 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 System's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the System'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 a combination of deficiencies, in internal control over compliance, such that there is a reasonable possibility that material noncompliance with a type of compliance requirement of a federal program will not be prevented, or detected and corrected, on a timely basis. A significant deficiency in internal control over compliance is a deficiency, or a combination of deficiencies, in internal control over compliance with a type of compliance requirement of a federal program that is less severe than a material weakness in internal control over compliance, yet important enough to merit attention by those charged with governance.

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

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

Report on Schedules of Expenditures of Federal Awards Required by the Uniform Guidance

We have audited the financial statements of the business-type activities and the fiduciary funds of the University of Missouri System as of and for the year ended June 30, 2018, and the related notes to the financial statements, which collectively comprise the System's basic financial statements. We issued our report thereon dated October 26, 2018, which contained an unmodified opinion on those financial statements and an emphasis-of-matter paragraph regarding a change in accounting principles. 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 and schedule of expenditures of federal awards – summary of program clusters are presented for purposes of additional analysis as required by the Uniform Guidance and are 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 schedules of expenditures of federal awards are fairly stated in all material respects in relation to the basic financial statements as a whole.

BKD, LLP

Kansas City, Missouri
March 25, 2019

University of Missouri System
Schedule of Findings and Questioned Costs (Continued)
Year Ended June 30, 2018

7. The System's major programs were:

Cluster/Program	CFDA Number
Research and Development Cluster	
SNAP Cluster	
Special Education Cluster (IDEA)	
Substance Abuse and Mental Health Services – Projects of Regional and National Significance	93.243

8. The threshold used to distinguish between Type A and Type B programs was \$3,000,000.

9. The System qualified as a low-risk auditee? Yes No

Findings Required to be Reported by *Government Auditing Standards*

Reference Number	Finding
	No matters are reportable.

Findings Required to be Reported by the Uniform Guidance

Reference Number	Finding
	No matters are reportable.

University of Missouri System
Summary Schedule of Prior Audit Findings
Year Ended June 30, 2018

Reference Number	Summary of Finding	Status
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No matters are reportable.