

University of Missouri System

Single Audit Reports

June 30, 2017

University of Missouri System
Single Audit Reports and Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Contents

Schedule of Expenditures of Federal Awards	1
Schedule of Expenditures of Federal Awards – Summary of Program Clusters	18
Notes to the Schedules of Expenditures of Federal Awards	29
Independent Auditor’s Report on Internal Control Over Financial Reporting and on Compliance and Other Matters Based on an Audit of the Financial Statements Performed in Accordance with <i>Government Auditing Standards</i>	30
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	32
Schedule of Findings and Questioned Costs	35
Summary Schedule of Prior Audit Findings	37

University of Missouri System
 Schedule of Expenditures of Federal Awards
 Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
LEGAL SERVICES CORPORATION					
LEGAL SERVICES CORPORATION PASS THROUGH PROGRAMS					
STRATEGIC PLANNING CONSULTATION SERVICES	09.U01	MID-MISSOURI LEGAL SERVICES CORP	N/A	\$ -	\$ 5,869
LEGAL SERVICES CORPORATION TOTAL				-	5,869
DEPARTMENT OF AGRICULTURE					
DEPARTMENT OF AGRICULTURE DIRECT PROGRAMS					
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001			-	3,156,558
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025			-	229,548
FEDERAL-STATE MARKETING IMPROVEMENT PROGRAM	10.156			-	40,628
FARMERS' MARKET AND LOCAL FOOD PROMOTION PROGRAM	10.168			-	31,249
COOPERATIVE FORESTRY RESEARCH	10.202			-	663,984
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203			-	6,095,544
ANIMAL HEALTH AND DISEASE RESEARCH	10.207			-	212
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217			53,744	132,626
AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS	10.250			-	102,842
CONSUMER DATA AND NUTRITION RESEARCH	10.253			-	39,190
AGRICULTURAL MARKET AND ECONOMIC RESEARCH	10.290			-	49,923
AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS INTEGRATED PROGRAMS	10.291			183,490	1,300,374
10.303				-	26,668
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307			-	232,368
SPECIALTY CROP RESEARCH INITIATIVE	10.309			-	41,310
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310			1,490,872	4,463,766
FARM BUSINESS MANAGEMENT AND BENCHMARKING COMPETITIVE GRANTS PROGRAM	10.319			166,531	255,394
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329			37,410	124,438
RURAL BUSINESS DEVELOPMENT GRANT	10.351			-	87
FARM OPERATING LOANS	10.406			-	6,419
OUTREACH AND ASSISTANCE FOR SOCIALLY DISADVANTAGED AND VETERAN FARMERS AND RANCHERS					
COOPERATIVE EXTENSION SERVICE	10.443			-	94,085
10.500				144,866	1,080,024
FACULTY EXCHANGE PROGRAM	10.613			-	83,004
FORESTRY RESEARCH	10.652			-	3,828
FOREST HEALTH PROTECTION	10.680			-	25,641
PARTNERSHIP AGREEMENTS	10.699			-	17,352
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP					
RURAL ENERGY FOR AMERICA PROGRAM	10.777			-	46,408
10.868				12,576	24,806
SOIL AND WATER CONSERVATION	10.902			-	204,502
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912			24,263	571,657
WILDLIFE HABITAT INCENTIVE PROGRAM	10.914			-	15,624
CONSERVATION STEWARDSHIP PROGRAM	10.924			-	23,005
TECHNICAL AGRICULTURAL ASSISTANCE	10.960			-	1,149,185
COCHRAN FELLOWSHIP PROGRAM-INTERNATIONAL TRAINING-FOREIGN PARTICIPANT					
ADULT SURVIVAL VIABILITY OF A GOLDEN-CHEEKED WARBLER POP	10.RD		16-JV-11242311-044	-	22,684
AGENT-BASED MODELING OF PRIVATE LANDOWNERS AGROFORESTRY AS A CLIMATE CHANGE MITIGATION AND ADAPTATI	10.RD		12-JV-11242305-070	-	2,432
APPLIED HISTORICAL ECOLOGY OF FIRE IN REMNANT PINE FORES	10.RD		13-JV-11330152-058	-	1,189
CHARACTERIZING AND COMPARING OAK FORESTS IN COLOMBIAN HI	10.RD		14-JV-11242302-143	-	187
COMBINING LANDIS-II AND LANDIS-PRO INTO A COMMON FRAMEWO	10.RD		12-JV-11242311-072	-	14,961
COMPARING THE EFFECTS OF PRESCRIBED BURNING AND THINNING	10.RD		14-JV-11242311-116	-	63,752
DEVELOPING A STRATEGY AND PROTOCOLS FOR MONITORING OAK R	10.RD		14-JV-11242311-122	-	23,643
DEVEOPING HISTORIC FIRE REGIMES IN THE EASTERN REGION R9	10.RD		12-CS-11242311-141	-	20,896
ECONOMIC IMPLICATIONS OF LANDSCAPE-SCALE FOREST DISTURBA	10.RD		16-JV-11242311-046	-	17,407
EFFECTS OF CLIMATE CHANGE, DROUGHT AND INSECTS ON OAK PI	10.RD		13-JV-11242311-063	-	70
EFFECTS OF FUELS TREATMENTS ON REDUCTION OF FIRE RISK AN	10.RD		14-JV-11330134-049	-	20,304
EFFECTS OF FUELS TREATMENTS ON REDUCTION OF FIRE RISK AN	10.RD		14-JV-11242311-123	-	11,103
EFFECTS OF FUELS TREATMENTS ON REDUCTION OF FIRE RISK AN	10.RD		14-JV-11242311-131	-	14,795
EFFECTS OF SAVANNA-WOODLAND RESTORATION ON BAT ABUNDANCE	10.RD		12-JV-11242311-068	-	27,165
EFFECTS OF STAND DENSITY AND COMPOSITION ON MITIGATION A	10.RD		14-JV-11242311-065	-	28,252
FIRE HISTORY FOR MANAGERS IN EASTERN NORTH AMERICA	10.RD		11-JV-11242311-054	-	(1)
FIRE RESTORATION BAT MONITORING AND HABITAT MODELING	10.RD		15-CS-11051100-008	-	43,185
FORECASTING LANDSCAPE CHANGE UNDER SAVANNAH AND WOODLAND	10.RD		12-JV-11242311-091	-	67,352
GENETIC VARIATION IN ADAPTIVE TRAITS TO REDUCED LIGHT FO	10.RD		14-JV-11242311-073	-	(14,058)
HABITAT AND LANDSCAPE EFFECTS ON BIRD DEMOGRAPHICS	10.RD		14-JV-11242311-059	-	9,628
IMPACTS OF WNS: EASTERN BAT SPECIES	10.RD		11-JV-11242311-099	-	32,619
INTEGRATED DISEASE MANAGEMENT FOR WHITE-NOSE SYNDROME	10.RD		16-JV-11242311-118	-	85,373
LOCALIZED SPATIAL ESTIMATION OF FOREST ATTRIBUTES IN THE	10.RD		12-JV-11242305-120	-	46,852
MILL CREEK WATERSHED ASSESSMENT	10.RD		12-PA-11090500-018	-	18,882
MODELING FIRE-INDUCED TREE MORTALITY FOR EASTERN HARWOOD FORESTS	10.RD		16-JV-11242311-076	-	19,625

University of Missouri System
 Schedule of Expenditures of Federal Awards
 Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
MORPHOLOGICAL CHARACTERIZATION OF HICKORY AND BLACK WALN	10.RD		14-JV-11242311-063	\$ -	2,765
OAK WOODLANDS & FOREST FIRE CONSORTIUM	10.RD		16-JV-11242311-074	-	72,739
OAK WOODLANDS & FORESTS FIRE CONSORTIUM	10.RD		14-JV-11242311-095	-	4,077
POPULATION ESTIMATE FOR BLACK-BACKED WOODPECKERS (PICOID)	10.RD		14-JV-11221632-104	-	32,447
RECRUITMENT DYNAMICS IN NATURALLY REGENERATED LONGLEAF P	10.RD		15-JV-11330123-051	-	8,024
RESPONSE OF SONGBIRDS TO PINE SAVANNA AND WOODLAND RESTO	10.RD		13-CR-11242311-047	-	49,408
RUPRI TECHNICAL ASSISTANCE TO EASTERN KENTUCKY'S SOAR INITIATIVE	10.RD		RBS-14-01	-	(2,483)
SCAR CLOSURE FROM PRESCRIBED FIRE IN OAK SONGBIRD DEMOGRAPHIC RESPONSES TO LANDSCAPE AND CLIMATE	10.RD		14-JV-11242316-061	-	2,167
THE SURVIVAL AND PERFORMANCE OF IMPROVED SHORTLEAF PINE SEEDLINGS	10.RD		14-CR-11242311-064	-	23,969
TREE REGENERATION ADEQUACY METRICS FOR THE CENTRAL STATE	10.RD		16-JV-11242311-080	-	8,161
FSA - GREAT RIVERS CESU 2013-2018	10.U01		15-JV-11242311-090	-	52,456
MIXEDWOODS WORKSHOP	10.U02		N/A	-	32
			14-CR-11242311-098	-	7,100
DEPARTMENT OF AGRICULTURE DIRECT PROGRAMS TOTAL				2,113,752	31,268,985
DEPARTMENT OF AGRICULTURE PASS THROUGH PROGRAMS					
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH MARKET NEWS	10.001	CRDF GLOBAL	DAA3-17-62988-1	-	954
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.153	MISSOURI DEPARTMENT OF AGRICULTURE	N/A	-	10,500
	10.170	LINCOLN UNIVERSITY	2015-3570	-	4,956
		MISSOURI DEPARTMENT OF AGRICULTURE	14-SCBGP-MO-0029		
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP00003 PROJECT 7	-	47,248
		MISSOURI DEPARTMENT OF AGRICULTURE	N/A		
		MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP00003 PROJECT 2		
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP00003 PROJECT 9	-	45,619
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	MISSOURI DEPARTMENT OF AGRICULTURE	N/A	-	935
GRANTS FOR AGRICULTURAL RESEARCH, SPECIAL RESEARCH GRANTS	10.200	PURDUE UNIVERSITY	8000064758-AG	-	70,727
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203	PURDUE UNIVERSITY	8000071292-AG	-	
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215	UNIVERSITY OF KENTUCKY	N/A	-	8,550
		UNIVERSITY OF MINNESOTA	H004991229	-	9,632
		UNIVERSITY OF MINNESOTA	H004403715		
		UNIVERSITY OF MINNESOTA	H004991201		
		UNIVERSITY OF MINNESOTA	H004991204		
		UNIVERSITY OF MINNESOTA	H004991217		
		UNIVERSITY OF MINNESOTA	H005722901		
		UNIVERSITY OF MINNESOTA	H005722922		
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215	UNIVERSITY OF MINNESOTA	H005722924	13,011	370,061
		LINCOLN UNIVERSITY	2014-3555		
		LINCOLN UNIVERSITY	2014-3556		
		LINCOLN UNIVERSITY	2014-3560		
		LINCOLN UNIVERSITY	3529A	-	188,873
1890 INSTITUTION CAPACITY BUILDING GRANTS HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.216	SOUTH DAKOTA STATE UNIVERSITY	3TG607	-	21,580
SECONDARY AND TWO-YEAR POSTSECONDARY AGRICULTURE EDUCATION CHALLENGE GRANTS	10.226	MISSOURI BOTANICAL GARDENS	N/A	-	3,772
CONSUMER DATA AND NUTRITION RESEARCH RESEARCH INNOVATION AND DEVELOPMENT GRANTS IN ECONOMIC (RIDGE)	10.253	UNIVERSITY OF KENTUCKY	3048110944-15-178	7,822	52,296
RESEARCH INNOVATION AND DEVELOPMENT GRANTS IN ECONOMIC (RIDGE)	10.255	RIDGE CENTER FOR TARGETED STUDIES	58-5000-3-0066	3,352	16,749
	10.255	UNIVERSITY OF WISCONSIN - MADISON	613K756	-	28,898
		MICHIGAN STATE UNIVERSITY	RC101676MO		
HOMELAND SECURITY_AGRICULTURAL	10.304	MICHIGAN STATE UNIVERSITY	RC106556G	-	47,588
HOMELAND SECURITY_AGRICULTURAL	10.304	PURDUE UNIVERSITY	8000081115-AG	-	8,047
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	AUBURN UNIVERSITY	13-AGR-373036-UM	-	1,199
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	INDIANA UNIVERSITY	BL-4339916-UM	-	149
		IOWA STATE UNIVERSITY	416-40-63H		
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	IOWA STATE UNIVERSITY	416-41-54A	-	57,424
		LINCOLN UNIVERSITY	2014-3553		
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	LINCOLN UNIVERSITY	3537A	-	55,656
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	LOUISIANA STATE UNIVERSITY	100075	-	52,637
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	MICHIGAN STATE UNIVERSITY	RC103692A	-	50,440
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	MISSISSIPPI STATE UNIVERSITY	012000.321736.02	-	149
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	NORTH CAROLINA STATE UNIVERSITY	2015-0097-01	-	37,414
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	PURDUE UNIVERSITY	8000067462-AG	-	41,494
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	SOUTH DAKOTA STATE UNIVERSITY	3TC462	-	82,289
		TEXAS A&M UNIVERSITY	06-S160685		
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	TEXAS A&M UNIVERSITY	S110071	-	27,646
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF ARKANSAS	UA AES 91137-02	-	13,948
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF GEORGIA	RC294-343/S001056	-	77,743
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF NEBRASKA - LINCOLN	25-1215-0117-002	-	113,079
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF NEBRASKA - LINCOLN	25-6226-0395-002	-	31,536
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF WISCONSIN - MADISON	627K152	-	78,291
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF WYOMING	1003080A - MISSOURI	-	29,544
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	VIRGINIA TECH	422262-19228	-	20,373
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	WASHINGTON STATE UNIVERSITY	130160_G003742	-	1,105
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311	UNIVERSITY OF ARKANSAS	UA AES 91132-02	-	25
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311	UNIVERSITY OF VERMONT	29903SUB51956	-	20,275
CAPACITY BUILDING FOR NON-LAND GRANT COLLEGES OF AGRICULTURE (NLGCA)	10.326	MISSOURI STATE UNIVERSITY	16041-001	-	70,869
COOPERATIVE EXTENSION SERVICE	10.500	MISSOURI STATE UNIVERSITY	16161-001	-	33,225
COOPERATIVE EXTENSION SERVICE	10.500	PENNSYLVANIA STATE UNIVERSITY	5558-UM-UM-9802	-	4,089
		UNIVERSITY OF MINNESOTA	H003703715		
		UNIVERSITY OF NEBRASKA - LINCOLN	25-6324-0119-308		
		UNIVERSITY OF NEBRASKA - LINCOLN	25-6324-0119-315		
		UNIVERSITY OF NEBRASKA - LINCOLN	25-6324-0150-012		
COOPERATIVE EXTENSION SERVICE	10.500	UNIVERSITY OF NEBRASKA - LINCOLN	25-6329-0086-307	-	48,159

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
FARMERSÓ MARKET SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM SUPPORT GRANTS	10.545	SUSTAINABLE FARMS AND COMMUNITIES	\$ -	27,972
SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN	10.557	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	-	30,491
CHILD AND ADULT CARE FOOD PROGRAM	10.558	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	-	31,798
STATE ADMINISTRATIVE EXPENSES FOR CHILD NUTRITION	10.560	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	-	26,971
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.561	MISSOURI DEPARTMENT OF SOCIAL SERVICES	44,997	10,407,536
TEAM NUTRITION GRANTS	10.574	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	-	1,036
FARM TO SCHOOL GRANT PROGRAM	10.575	CENTER FOR RURAL AFFAIRS IN NEBRASKA	-	3,415
CHILD NUTRITION DISCRETIONARY GRANTS LIMITED AVAILABILITY	10.579	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	-	79,907
COOPERATIVE FORESTRY ASSISTANCE	10.664	UNIVERSITY OF TENNESSEE	-	10,743
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	GREENE COUNTY SOIL & WATER CONSERVATION DISTRICT	-	5,006
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	MICHIGAN STATE UNIVERSITY	-	2,511
MISSISSIPPI RIVER BASIN HEALTHY WATERSHED INITIATIVE (MR)	10.RD	C&J PATKE FAMILY LP	-	(165)
MISSISSIPPI RIVER BASIN HEALTHY WATERSHED INITIATIVE (MR)	10.RD	TRIPLETT FARMS INC	-	12,428
MISSISSIPPI RIVER BASIN HEALTHY WATERSHED INITIATIVE (MR)	10.RD	ALITA ANN JOHNSON REVOCABLE TRUST	-	901
MRBI STUDY - GLADB	10.RD	GLADBACH, RICKY JAMES	-	4,012
MRBI STUDY - MECHLIN	10.RD	MECHLIN, MARY E	-	2
MRBI STUDY - MORRIS	10.RD	ORA CLAY MORRIS JR	-	197
MRBI STUDY - TRUST	10.RD	GV & JS GLADBACH TRUST	-	1,742
STRONGER ECONOMICS TOGETHER (SET) - MISSOURI AGRICULTURAL INNOVATION PROGRAM - PAKISTAN	10.U03	MISSISSIPPI STATE UNIVERSITY	-	41,701
2016 MU BIOTECHNOLOGY REGULATION IMMERSION COURSE (MUBRIC)	10.U04	UNIVERSITY OF CALIFORNIA - DAVIS	-	53,903
US SOYBEAN EXPORT COUNCIL	10.U05	16TH08F14A	-	62,097
DEPARTMENT OF AGRICULTURE PASS THROUGH PROGRAMS TOTAL			69,182	12,689,947
DEPARTMENT OF AGRICULTURE TOTAL			2,182,934	43,958,932
DEPARTMENT OF COMMERCE				
DEPARTMENT OF COMMERCE DIRECT PROGRAMS				
CLUSTER GRANTS	11.020		-	288,463
ECONOMIC DEVELOPMENT TECHNICAL ASSISTANCE	11.303		-	211,396
ECONOMIC ADJUSTMENT ASSISTANCE	11.307		-	28,523
TRADE ADJUSTMENT ASSISTANCE FOR FIRMS	11.313		-	1,105,100
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS	11.609		-	238,565
DEPARTMENT OF COMMERCE DIRECT PROGRAMS TOTAL			-	1,872,047
DEPARTMENT OF COMMERCE PASS THROUGH PROGRAMS				
MANUFACTURING EXTENSION PARTNERSHIP	11.611	MISSOURI ENTERPRISE BUSINESS ASSISTANCE	-	602,157
STRATEGIC ALLIANCE AGREEMENT MOU WITH AWS	11.U01	EARTH NETWORKS INC	-	82,532
DEPARTMENT OF COMMERCE PASS THROUGH PROGRAMS TOTAL			-	684,689
DEPARTMENT OF COMMERCE TOTAL			-	2,556,736
DEPARTMENT OF DEFENSE				
DEPARTMENT OF DEFENSE DIRECT PROGRAMS				
PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS	12.002		-	589,463
COLLABORATIVE RESEARCH AND DEVELOPMENT	12.114		-	205,977
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		-	1,592,106
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		148,121	634,346
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		118,174	1,945,040
BASIC SCIENTIFIC RESEARCH	12.431		1,039,290	2,201,240
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		-	63,274
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		83,798	1,471,892
MATHEMATICAL SCIENCES GRANTS PROGRAM	12.901		-	23,872
GENCYBER GRANTS PROGRAM	12.903		-	104,086
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		-	64
ADDITIVE MANUFACTURING OF GRIN OPTICS	12.RD	FA8650-16-C-5412	-	55,549
ASSESS T-CELL MEDIATED IMMUNOGENICITY AND CLINICAL PROTE	12.RD	N32398-13-P-0354	-	6
DELAY TOLERANT NETWORK SOFTWARE AND HEARDWARE SYSTEM	12.RD	FA8750-16-C-0148	-	76,090
IPA AGREEMENT FOR MR. LEE BUNCH WITH DEPT OF ARMY (FLW)	12.RD	0048507	-	46,173
NON-CHROMATE PASSIVATION FOR LHE ZNNI	12.RD	W912HQ-15-C-0065	-	11,203
REGIONAL PHASE ATTENUATION ACROSS THE ZAGROS: A DETAILE	12.RD	FA9453-14-C-0216	65,228	103,851
SMDC EQUIPMENT RETURN	12.RD	W9113M-09-C-0046	-	9,846
PROGRAM STUDY IN DATA SCIENCE	12.U01	HM047616C0037	152,073	1,105,481
IPA AGREEMENT FOR DR. STEVE WATKINS	12.U02	IPA1607	-	132,803
DEPARTMENT OF DEFENSE DIRECT PROGRAMS TOTAL			1,606,684	10,372,362
DEPARTMENT OF DEFENSE PASS THROUGH PROGRAMS				
ELECTRONIC ABSENTEE SYSTEMS FOR ELECTIONS	12.217	BOONE COUNTY	-	(27)
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	INNOVATIVE VETERINARY MEDICINE INC	-	3,344
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	RADIATION DETECTION TECH INC	-	19,644
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	BROWN UNIVERSITY	-	10,439
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	PENNSYLVANIA STATE UNIVERSITY	-	(7,576)
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	UNIVERSITY OF TENNESSEE	-	123,522
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	COLUMBIA UNIVERSITY	-	114,736
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	FOUNDATION FOR ADVANCING VETERANS HEALTH RESEARCH	-	84,317
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	FOUNDATION FOR ADVANCING VETERANS HEALTH RESEARCH	-	97,829
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	HENRY M JACKSON FOUNDATION	-	72,755
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	HENRY M JACKSON FOUNDATION	-	220,740
BASIC SCIENTIFIC RESEARCH	12.431	STANFORD UNIVERSITY	-	189,743
BASIC SCIENTIFIC RESEARCH	12.431	VIRGINIA COMMONWEALTH UNIVERSITY	-	78,690
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	UNIVERSITY OF CALIFORNIA LOS ANGELES	-	20,453
		UNIVERSITY OF MARYLAND	-	
		ACADAMY OF APPLIED SCIENCES	-	
		ACADAMY OF APPLIED SCIENCES	-	

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	AUDUBON MISSOURI	N/A	\$ -	1,794
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	CATERPILLAR INC	0044273	-	171,573
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	ARRAY INFO TECH	SUB A016-2014 0047369	-	36,850
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	EWI	0048952	-	28,824
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	INDIANA UNIVERSITY	BL-4331206-MST	-	30,029
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	INTELLIGENT FUSION TECHNOLOGIES	010-2	-	(91,075)
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	OHIO STATE UNIVERSITY	60051333	-	19,979
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF CALIFORNIA LOS ANGELES	1000 G TC133	-	33,083
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	086337-16354	-	19,823
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF NEW HAMPSHIRE	16-053	-	49,389
A FULLY INTEGRATED MEMBRANE BIOREACTOR SYSTEM FOR WASTE	12.RD	UNIVERSITY OF SOUTHERN CALIFORNIA	59843551	-	74,426
ACUTE MRI CHANGES IN ASSOCIATION WITH A SINGLE HYPOBARIC	12.RD	WYLE LAB INC	T72708	-	91,026
CASTING AND ADVANCED STEEL TECHNOLOGY (CAST)	12.RD	STEEL FOUNDERS' SOCIETY OF AMERICA	CAST-001	-	37,567
COMPACT 500KV, HIGH ENERGY DENSITY CAPACITOR FOR PULSED POWER APPLICATIONS	12.RD	ADVANCED TECH INTL	DOTC-17-01-INIT0115	-	124,277
COMPACT HIGH POWER, NANODIELECTRIC MICROWAVE ANTENNA FOR MAN PORTABLE SYSTEMS	12.RD	ADVANCED TECH INTL	DOTC-14-06-INIT006	-	(2,813)
DESIGN AND PROTOTYPING OF A REAL-TIME MILLIMETER WAVE COMPRESSIVE SENSING IMAGER	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	A7605-400-16-SC1608	-	212,078
DEVELOPMENT AND TESTING OF AN AUTONOMOUSLY CONTROLLED ROTATING CROSS PARACHUTE	12.RD	THE CHARLES STARK DRAPER LABORATORY, INC	W911QY-15-C-0006	-	60,891
DEVELOPMENT OF HIGH ENERGY DENSITY CAPACITORS FOR MAN-PO	12.RD	ADVANCED TECH INTL	DOTC-14-06-INIT005	-	131,970
FORT LEONARD WOOD AUTOMOMOUS VEHICLE PILOT PROJECT PLANNING: TRANSPORT ROUTES AND MATERIAL DELIVERY SCHEDULES	12.RD	ROBOTIC RESEARCH LLC	SUB2017-MST-012-FTLW	-	4,403
GEJOINT DATA SERVICES (GDS) - FOUNDATION GEJOINT CONTENT MANAGEMENT (FGCM)	12.RD	HARRIS CORPORATION	A000358080	-	(23,373)
HARRIS REGION A, DELIVERY ORDER 4 (BURMA)	12.RD	HARRIS CORPORATION	A000372688	-	81,438
HARRIS REGION C COSTING PROPOSAL	12.RD	HARRIS CORPORATION	A000332424	-	41,046
IFSP - OPTION YEAR 3 (2015-2016)	12.RD	BOOZ ALLEN HAMILTON	105087SBOT	-	19,202
IFSP - OPTION YEAR 4 (2016-2017)	12.RD	BOOZ ALLEN HAMILTON	105087SBOT	-	31,706
IMPROVED HEAD-NECK FINITE ELEMENT MODEL FOR DYNAMIC HEAD IMPACT SIMULATION	12.RD	JOHNS HOPKINS UNIVERSITY	134558	-	19,870
INCORPORATION OF SURFACE RESIDUAL STRESS ENGINEERING INT	12.RD	BOEING CO	1110264	-	80,173
MANUFACTURING EFFICIENCY AND CAPABILITY: IMPROVEMENT OF FLOW PROPERTIES OF THERMAL BATTERY COMPONENT POWDERS	12.RD	CFD RESEARCH CORPORATION	20160532	-	11,617
MICROWAVE METHODOLOGY DEVELOPMENT FOR EVALUATING DEGRADA	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	A7119-400-12-SC1511	-	6,647
MULTIMODAL NONDESTRUCTIVE EVALUATION OF INTERNAL SURFACES OF HOLES IN STEEL STRUCTURES	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F7622-SC1636	-	30,000
MULTI-MODE MICROPROPULSION CUBESAT TECHNOLOGY DEMONSTRAT	12.RD	UTAH STATE UNIVERSITY	CP0039814	-	34,956
NEXT GENERATION NANO ELECTRONIC CIRCUIT ELEMENTS USING GR	12.RD	NANO ELECTROMAGNETICS LLC	N/A	-	47,945
NEXT GENERATION NANO ELECTRONIC CIRCUIT ELEMENTS USING GR	12.RD	RADIATION DETECTION TECH INC	N/A	-	114,123
NEXT GENERATION NANO ELECTRONIC CIRCUIT ELEMENTS USING GR	12.RD	TECHNICAL DATA ANALYSIS INC	N/A	-	26,751
NOVEL MULTI-SCALE/MULTI-PHYSICS INTEGRATED TOOL FOR THE	12.RD	TECHNICAL DATA ANALYSIS INC	2038-001-01	-	28,000
ONBOARD WIDE AREA MOTION IMAGERY (WAMI)	12.RD	KITWARE INC	K000977-00S02	-	(3,974)
DETECTION AND TRACKING IN URBAN SCENES	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F7623-SC1637	-	45,000
RAPID AND RELIABLE IDENTIFICATION DETECTIONS OF COUNTERFEIT ELECTRONIC COMPONENTS	12.RD	HARRIS CORPORATION	A000388791	-	114,674
REGION A DO19 LOT 1	12.RD	HARRIS CORPORATION	A000396062	-	112,564
REGION C DO17 LOT 2	12.RD	HARRIS CORPORATION	A000385456	-	40,804
REGION C DO4 - COD	12.RD	HARRIS CORPORATION	A000385456	-	40,804
RESEARCH AND DEVELOPMENT OF RESILIENT SOLAR CELL COVER GLASS BONDING	12.RD	APPLIED TECHNOLOGY ASSOCIATES	160300	-	85,354
RFID FOR METALLIC ENVIRONMENT	12.RD	TECHNICAL DATA ANALYSIS INC	N122-126	-	11,530
SBIR ARMY'S PHASE I: PROPOSAL, RADIOLYTIC ATOMIC CELL FO	12.RD	INFINITY POWER LLC	A151-018-0600	-	10,321
SBIR/STTR: ARMY'S PHASE II: SBIR PROPOSAL, RADIOLYTIC ATOMIC CELL FOR LONG-LIVED SENSORS	12.RD	INFINITY POWER LLC	N/A	-	47,143
SBIR: PHASE 2/TARGET BROKER COMPRESSION	12.RD	INTELLIGENT FUSION TECH	IFT032-02	-	46,505
SCALE UP OF DIELECTRIC FILMS FOR HIGH ENERGY DENSITY CAP	12.RD	GENERAL ATOMICS	4500054937	-	237,993
TESLA 9: SYSTEM LEVEL FAILURE PREDICTION FROM IC MODELS	12.RD	VERUS RESEARCH	1020-001	-	35,271
TRAJECTORY RECONSTRUCTION ALGORITHMS FOR CONSISTENT EVENT REGISTRATION (TRACER)	12.RD	APPLIED TECHNOLOGY ASSOCIATES	160560	-	140,763
VACCINE CANDIDATES FOR Q FEVER	12.RD	TEXAS A&M UNIVERSITY	23-S142344 / M1402336	-	251,252
VACCINE CANDIDATES FOR Q FEVER	12.RD	TEXAS A&M UNIVERSITY	23-S142344/M1402336	-	(98,686)
VIRTUALLY GUIDED CERTIFICATION OF COMPUTER NUMERICALLY CONTROLLED MACHINE TOOLS VIA VIRTUAL TWIN	12.RD	BOEING CO	PC1330354	20,500	93,461
DEPARTMENT OF DEFENSE PASS THROUGH PROGRAMS				20,500	
TOTAL				20,500	3,782,779
DEPARTMENT OF DEFENSE TOTAL				1,627,184	14,155,141
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT					
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT PASS THROUGH PROGRAMS					
CHOICE NEIGHBORHOODS PLANNING GRANTS	14.892	H3 STUDIO INC	014/UD/WPH/001-006	-	(10,750)
HEALTHY HOMES TECHNICAL STUDIES GRANTS	14.906	CHILDREN'S MERCY HOSPITAL	13-0032	-	62,713
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT TOTAL				-	51,963
DEPARTMENT OF THE INTERIOR					
DEPARTMENT OF THE INTERIOR DIRECT PROGRAMS					
FISH, WILDLIFE AND PLANT CONSERVATION RESOURCE MANAGEMENT	15.231			-	18,408
RESEARCH GRANTS (GENERIC)	15.650			-	43,848
NATURAL RESOURCE DAMAGE ASSESSMENT, RESTORATION AND IMPLEMENTATION	15.658			-	52,788

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805			\$ 14,752	\$ 65,405
EARTHQUAKE HAZARDS RESEARCH GRANTS	15.807			-	(785)
U.S. GEOLOGICAL SURVEY_ RESEARCH AND DATA COLLECTION	15.808			-	87,336
COOPERATIVE RESEARCH UNITS PROGRAM	15.812			-	259,741
NATURAL RESOURCE STEWARDSHIP	15.944			-	4,605
COOPERATIVE RESEARCH AND TRAINING PROGRAMS D				-	133,149
RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			-	14,645
RDX PHYTOFORENSIC SAMPLING IN TREE TISSUES	15.RD		G16PX00697	-	-
DEPARTMENT OF THE INTERIOR DIRECT PROGRAMS TOTAL				14,752	679,140
DEPARTMENT OF THE INTERIOR PASS THROUGH PROGRAMS					
WILDLAND FIRE RESEARCH AND STUDIES PROGRAM	15.232	UNIVERSITY OF TENNESSEE	8500038550	-	26,533
SPORT FISH RESTORATION PROGRAM	15.605	MISSOURI DEPARTMENT OF CONSERVATION	380	-	82,446
		MISSOURI DEPARTMENT OF CONSERVATION	339	-	-
		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	91,713	1,248,233
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	PENNSYLVANIA GAME COMMISSION	PO4300410870	-	94,583
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	STATE OF NEBRASKA	N/A	-	42,424
STATE WILDLIFE GRANTS	15.634	ARKANSAS GAME AND FISH COMMISSION	N/A	-	40,846
STATE WILDLIFE GRANTS	15.634	TEXAS PARKS & WILDLIFE DEPARTMENT	N/A	-	9,285
MIGRATORY BIRD JOINT VENTURES	15.637	MISSISSIPPI STATE UNIVERSITY	191000.331290.09	-	(6,526)
FISH AND WILDLIFE COORDINATION AND ASSISTANCE PROGRAMS	15.664	MISSOURI CONSERVATION HERITAGE FOUNDATION	N/A	-	23,462
COOPERATIVE LANDSCAPE CONSERVATION	15.669	WILDLIFE MANAGEMENT INSTITUTE	GPLCC/GCPLCC 2016--01	-	41,804
ADAPTIVE SCIENCE	15.670	MISSISSIPPI STATE UNIVERSITY	191000.331341.01	-	2,583
ADAPTIVE SCIENCE	15.670	STATE OF NEBRASKA	N/A	-	18,541
NATIONAL CLIMATE CHANGE AND WILDLIFE SCIENCE CENTER	15.820	UNIVERSITY OF MASSACHUSETTS	12 007036 E	-	-
		UNIVERSITY OF MASSACHUSETTS	17-009638 A 00	-	192,971
NATIONAL HERITAGE AREA FEDERAL FINANCIAL ASSISTANCE	15.939	FREEDOM'S FRONTIER NATIONAL HERITAGE AREA	N/A	-	3,065
WATERFOWL HABITAT AND POPULATION MODELING TOOLS FOR HABITAT MANAGEMENT	15.RD	MISSOURI DEPARTMENT OF CONSERVATION	375	-	14,336
DEPARTMENT OF THE INTERIOR PASS THROUGH PROGRAMS TOTAL				91,713	1,834,586
DEPARTMENT OF THE INTERIOR TOTAL				106,465	2,513,726
DEPARTMENT OF JUSTICE					
DEPARTMENT OF JUSTICE DIRECT PROGRAMS					
GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS	16.525			-	60,428
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560			13,024	515,497
SPECIAL DATA COLLECTIONS AND STATISTICAL STUDIES	16.734			-	85,386
ATF EXPLOSIVE ENGINEERING COURSES	16.RD		DJA-15-AHDQ-K-0184	-	419,909
VICTIM-OFFENDER OVERLAP SURVEY (VOOS)	16.RD		2016-BJ-R-1280	-	54,570
DEPARTMENT OF JUSTICE DIRECT PROGRAMS TOTAL				13,024	1,135,790
DEPARTMENT OF JUSTICE PASS THROUGH PROGRAMS					
STATE JUSTICE STATISTICS PROGRAM FOR STATISTICAL ANALYSIS CENTERS	16.550	MISSOURI DEPARTMENT OF PUBLIC SAFETY	N/A	-	61,562
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560	MICHIGAN STATE UNIVERSITY	RC103369UMSL	-	8,994
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560	UNIVERSITY OF VIRGINIA	GG11811 147780	-	15,903
		MISSOURI DEPARTMENT OF PUBLIC SAFETY	2012-VOCA-032.SE	-	-
		MISSOURI DEPARTMENT OF PUBLIC SAFETY	2013-VOCA-019-STL	-	-
		MISSOURI DEPARTMENT OF PUBLIC SAFETY	2016-2017 VOCA	-	-
CRIME VICTIM ASSISTANCE	16.575	MISSOURI DEPARTMENT OF PUBLIC SAFETY	2016-VOCA-051-NC	-	145,023
JUVENILE MENTORING PROGRAM	16.726	NATIONAL 4-H COUNCIL	N/A	-	395,966
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738	KANSAS CITY MISSOURI POLICE DEPARTMENT	2016-WY-BX-0006	-	29,882
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738	MISSOURI DEPARTMENT OF NATURAL RESOURCES	C315216001	-	24,000
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751	CITY OF ST LOUIS METRO POLICE DEPARTMENT	2016-DG-BX-K001	-	4,171
IMPROVING THE INVESTIGATION AND PROSECUTION OF CHILD ABUSE AND THE REGIONAL AND LOCAL CHILDREN'S ADVOCACY CENTERS	16.758	MISSOURI KIDSFIRST	18-STLO-MO-SA16	-	9,000
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817	CITY OF ST LOUIS DEPARTMENT OF HEALTH	HD CONTRACT #16-27	-	66,883
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817	JACKSON COUNTY MISSOURI	19223	-	4,501
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817	KANSAS CITY METRO CRIME COMMISSION	N/A	-	7,642
CHILDREN OF INCARCERATED PARENTS	16.831	NATIONAL 4-H COUNCIL	N/A	-	17,613
PHELPS COUNTY SHERIFF DEPT DESIGN PROTOTYPE AND BUILD SHELVES	16.RD	PHELPS COUNTY SHERIFF'S DEPARTMENT	N/A	-	2,150
DEPARTMENT OF JUSTICE PASS THROUGH PROGRAMS TOTAL				-	793,290
DEPARTMENT OF JUSTICE TOTAL				13,024	1,929,080
DEPARTMENT OF LABOR					
DEPARTMENT OF LABOR PASS THROUGH PROGRAMS					
H-1B JOB TRAINING GRANTS	17.268	MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	099-21-17-14	-	142,855
YOUTHBUILD	17.274	JOB POINT	N/A	-	11,598
		MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	99-21-16-16	-	-
WIA DISLOCATED WORKER FORMULA GRANTS	17.278	MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	99-21-16-17	-	227,183
APPRENTICESHIP USA GRANTS	17.285	MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	99-21-16-17	-	86,969
DEPARTMENT OF LABOR TOTAL				-	468,605
DEPARTMENT OF STATE					
DEPARTMENT OF STATE DIRECT PROGRAMS					
INVESTING IN PEOPLE IN THE MIDDLE EAST AND NORTH AFRICA	19.021			-	1,077
DEPARTMENT OF STATE DIRECT PROGRAMS TOTAL				-	1,077
DEPARTMENT OF STATE PASS THROUGH PROGRAMS					
INVESTING IN PEOPLE IN THE MIDDLE EAST AND NORTH AFRICA	19.021	IREX	FY16-HEP-UMC-01	-	28,038
DEPARTMENT OF STATE PASS THROUGH PROGRAMS TOTAL				-	28,038
DEPARTMENT OF STATE TOTAL				-	29,115

University of Missouri System
 Schedule of Expenditures of Federal Awards
 Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
DEPARTMENT OF TRANSPORTATION					
DEPARTMENT OF TRANSPORTATION DIRECT PROGRAMS					
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109			\$ 230,073	\$ 680,316
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200			21,994	80,154
HIGHWAY TRAINING AND EDUCATION	20.215			-	694
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701			506,614	833,196
PIPELINE SAFETY RESEARCH COMPETITIVE ACADEMIC AGREEMENT PROGRAM (CAAP)	20.724			-	61,383
TRANSPORTATION PLANNING, RESEARCH AND EDUCATION	20.931			-	47,429
DEPARTMENT OF TRANSPORTATION DIRECT PROGRAMS TOTAL				758,681	1,703,172
DEPARTMENT OF TRANSPORTATION PASS THROUGH PROGRAMS					
		IOWA STATE UNIVERSITY	17970		
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	IOWA STATE UNIVERSITY	17972	-	70,571
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	PARSONS BRINCKERHOFF INC	TASK ORDER NO. 03	-	43,479
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	PURDUE UNIVERSITY	4108-68289	-	4,862
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	SHANNON & WILSON INC	23-1-01565	-	36,478
		TRANSPORTATION RESEARCH BOARD	HR 20-05(47-03)		
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	TRANSPORTATION RESEARCH BOARD	NCHRP--179	6,661	22,575
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	UNIVERSITY OF WISCONSIN - MADISON	583K295	-	16,292
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	WAYNE STATE UNIVERSITY	WSU14056	-	14,988
HIGHWAY PLANNING AND CONSTRUCTION	20.205	EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	16221-MORAP-063016	-	137
		EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	16221-MORAP-063016		
HIGHWAY PLANNING AND CONSTRUCTION	20.205	EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	17221-MORAP-063017	-	100,000
HIGHWAY PLANNING AND CONSTRUCTION	20.205	HDR ENGINEERING INC	N/A	-	1,216
HIGHWAY PLANNING AND CONSTRUCTION	20.205	IOWA DEPARTMENT OF TRANSPORTATION	TPF-5(295) #19025	-	1,265
HIGHWAY PLANNING AND CONSTRUCTION	20.205	IOWA STATE UNIVERSITY	17118	-	11,706
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MARQUETTE UNIVERSITY	0092-16-01	-	35,197
		MISSOURI DEPARTMENT OF TRANSPORTATION	OJT FY 17001		
		MISSOURI DEPARTMENT OF TRANSPORTATION	OJT FY16001		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201601		
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TTY Y 1101	-	501,850
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201417		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201515		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201518		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201605		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201612		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201613		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201614		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201615		
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TR201616	22,004	321,970
		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		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201712		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201713		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201714		
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201717		
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TR201722	-	529,646
HIGHWAY PLANNING AND CONSTRUCTION	20.205	WISCONSIN DEPARTMENT OF TRANSPORTATION	0092-16-07	-	39,337
FORMULA GRANTS FOR RURAL AREAS	20.509	MISSOURI DEPARTMENT OF TRANSPORTATION	N/A	-	296,163
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	MISSOURI DEPARTMENT OF TRANSPORTATION	16-DL-02-001	-	23,259
		MISSOURI DEPARTMENT OF TRANSPORTATION	16-CP-09-002		
		MISSOURI DEPARTMENT OF TRANSPORTATION	16-DE-02-004		
		MISSOURI DEPARTMENT OF TRANSPORTATION	16-RS-11-0033		
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-CP-09-005		
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-DE-02-003		
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	MISSOURI DEPARTMENT OF TRANSPORTATION	17-EM-02-001	44,496	619,734
		MISSOURI DEPARTMENT OF TRANSPORTATION	16-154-AL-051		
ALCOHOL OPEN CONTAINER REQUIREMENTS	20.607	MISSOURI DEPARTMENT OF TRANSPORTATION	17-154-AL-114	-	389,382
NATIONAL PRIORITY SAFETY PROGRAMS	20.616	MISSOURI DEPARTMENT OF TRANSPORTATION	NR812HP067000045	-	19,172
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	IOWA STATE UNIVERSITY	436-77-40	52,174	560,241
INTERAGENCY HAZARDOUS MATERIALS PUBLIC SECTOR TRAINING AND PLANNING GRANTS	20.703	MISSOURI OFFICE OF ADMINISTRATION	CS160215002	-	4,600
ENHANCING SAFETY RISK MANAGEMENT WITH QUANTITATIVE MEASURES	20.RD	APPLIED RESEARCH ASSOCIATES INC	S-003057-00.UMO	-	16,957
EVALUATION OF ALTERNATIVE WORK ZONE SIGNING (TOPIC 3)	20.RD	TRANSPORTATION RESEARCH BOARD	HR 12-104	1,167	78,430
NCHRP 12-104: GUIDELINES TO IMPROVE THE QUALITY OF ELEMENT-LEVEL BRIDGE INSPECTION DATA	20.RD	UNIVERSITY OF HAWAII	MA1239	-	16,768
NCHRP18-17 ENTRAINED AIR VOID SYSTEM FOR DURABLE HIGHWAY CONCRETE	20.RD	IOWA STATE UNIVERSITY	428-17-14A	-	53,016
RUNWAY CONDITION INDEX STUDY FOR STATE FUNDED AIRPORTS	20.RD	VIGINIA SPACE GRANT CONSORTIUM	N/A	-	2,290
SLOPE INSTRUMENTATION AND DEVELOPMENT OF A LANDSLIDE WARNING SYSTEM	20.RD	UNIVERSITY OF WISCONSIN - MADISON	604K085	-	21,019
EVALUATION OF POST-GROUTING FOR DRILLED SHAFTS	20.U01	INTERNATIONAL ASSOCIATION OF FOUNDATION DRILLING	N/A	-	4,805
TASK ORDER NO. 2 - PROFESSIONAL SERVICES	20.U02	PARSONS BRINKERHOFF INC.	186601 TASK ORDER NO. 02	-	9,551
DEPARTMENT OF TRANSPORTATION PASS THROUGH PROGRAMS TOTAL				126,502	3,866,956
DEPARTMENT OF TRANSPORTATION TOTAL				885,183	5,570,128
DEPARTMENT OF TREASURY					
DEPARTMENT OF TREASURY DIRECT PROGRAMS					
LOW INCOME TAXPAYER CLINICS	21.008			-	81,146
VOLUNTEER INCOME TAX ASSISTANCE (VITA) MATCHING GRANT PROGRAM	21.009			-	89,910
DEPARTMENT OF TREASURY TOTAL				-	171,056
OFFICE OF PERSONNEL MANAGEMENT					
OFFICE OF PERSONNEL MANAGEMENT DIRECT PROGRAMS					
FEDERAL CIVIL SERVICE EMPLOYMENT	27.001			-	104,758
OFFICE OF PERSONNEL MANAGEMENT TOTAL				-	104,758
FEDERAL TRADE COMMISSION					
FEDERAL TRADE COMMISSION DIRECT PROGRAMS					
FAIR COMPETITION COUNSELING AND INVESTIGATION OF COMPLAINTS	36.001			-	135

University of Missouri System
 Schedule of Expenditures of Federal Awards
 Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
FEDERAL TRADE COMMISSION TOTAL				\$ -	\$ 135
NATIONAL AERONAUTICS & SPACE ADMINISTRATION					
NATIONAL AERONAUTICS & SPACE ADMINISTRATION DIRECT PROGRAMS					
SCIENCE	43.001			17,034	318,589
EXPLORATION	43.003			-	33,578
EDUCATION	43.008			546,167	1,112,717
CROSS AGENCY SUPPORT	43.009			111,011	202,861
SPACE TECHNOLOGY	43.012			-	246,744
JOINT RESEARCH WITH NASA ON ARGOS	43.U01		NNX16TG48P	-	1,400
NATIONAL AERONAUTICS & SPACE ADMINISTRATION DIRECT PROGRAMS TOTAL					
NATIONAL AERONAUTICS & SPACE ADMINISTRATION PASS THROUGH PROGRAMS				674,212	1,915,889
		JET PROPULSION LAB	1515795		
		JET PROPULSION LAB	1541372		
		JET PROPULSION LAB	1545559		
		JET PROPULSION LAB	1549171		
SCIENCE	43.001	JET PROPULSION LAB	RSA 1563602	-	54,733
SCIENCE	43.001	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	G06-17130X	-	37,430
SCIENCE	43.001	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-12060.46-A	-	(344)
SCIENCE	43.001	UNIVERSITY OF ARIZONA	322680	-	12,843
SCIENCE	43.001	UNIVERSITY OF FLORIDA	NNX12AE15G	-	(5,706)
EDUCATION	43.008	NATIONAL INSTITUTE OF AEROSPACE	C16-2B00-MST	-	3,241
EDUCATION	43.008	WICHITA STATE UNIVERSITY	WSUSUB10430	-	53,693
A LENSING STUDY OF IDCS J1426.5+3508: A MASSIVE GALAXY CLUSTER AT Z=1.75	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-12994.07-A	-	574
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	-	22,257
MULTIDISCIPLINARY ANALYSIS AND OPTIMIZATION OF INTEGRATED SPACECRAFT SYSTEM MODELS	43.RD	JET PROPULSION LAB	1474528	-	2,154
QUANTIFYING VARIATIONS OF TROPICAL FOREST STRUCTURE AND BIOMASS ALONG ALTITUDINAL GRADIENT TESTING TIME-VARYING DARK ENERGY WITH Z > 1 SUPERNOVAE AND THEIR MASSIVE CLUSTER HOSTS	43.RD	M4 ENGINEERING INC	00049606	-	7,882
	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-13677.015-A	-	12,850
NATIONAL AERONAUTICS & SPACE ADMINISTRATION PASS THROUGH PROGRAMS TOTAL					
NATIONAL AERONAUTICS & SPACE ADMINISTRATION TOTAL				674,212	2,117,496
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					
PROMOTION OF THE HUMANITIES_RESEARCH	45.024			-	89,858
PROMOTION OF THE HUMANITIES_TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT	45.161			-	65,822
PROMOTION OF THE HUMANITIES_PROFESSIONAL DEVELOPMENT	45.162			-	32,387
MUSEUMS FOR AMERICA	45.163			-	94,719
MUSEUMS FOR AMERICA	45.301			-	14,540
LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM	45.313			-	135,098
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES DIRECT PROGRAMS TOTAL					
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES PASS THROUGH PROGRAMS				-	432,424
PROMOTION OF THE ARTS_PARTNERSHIP AGREEMENTS	45.025	MID AMERICA ARTS ALLIANCE	N/A	-	90,214
PROMOTION OF THE ARTS_PARTNERSHIP AGREEMENTS	45.025	MISSOURI ARTS COUNCIL	17ADS00070	-	20,000
		MISSOURI HUMANITIES COUNCIL	1938		
		MISSOURI HUMANITIES COUNCIL	1945		
		MISSOURI HUMANITIES COUNCIL	1950		
PROMOTION OF THE HUMANITIES_FEDERAL/STATE PARTNERSHIP	45.129	MISSOURI HUMANITIES COUNCIL	N/A	-	3,535
PROMOTION OF THE HUMANITIES_DIVISION OF PRESERVATION AND ACCESS	45.149	AMERICAN FOLKLORE SOCIETY	N/A	-	4,375
PROMOTION OF THE HUMANITIES_PUBLIC PROGRAMS	45.164	MISSOURI HUMANITIES COUNCIL	N/A	-	16,000
MUSEUMS FOR AMERICA	45.301	MISSOURI HISTORICAL SOCIETY	N/A	-	5,218
		MISSOURI STATE LIBRARY	2016-LCE5-SHMC5CN5-8340		
		MISSOURI STATE LIBRARY	2016-LSD6-DIG16CN6-8296		
		MISSOURI STATE LIBRARY	2017-LCE6-SHM16CN6-8666		
GRANTS TO STATES	45.310	MISSOURI STATE LIBRARY	2017-LCE6-SHM16CN6-8567	-	44,705
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES PASS THROUGH PROGRAMS TOTAL					
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES TOTAL				-	184,047
NATIONAL SCIENCE FOUNDATION					
NATIONAL SCIENCE FOUNDATION DIRECT PROGRAMS					
ENGINEERING GRANTS	47.041			76,143	3,799,111
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			108,462	3,445,653
GEOSCIENCES	47.050			-	1,404,518
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			46,824	2,445,876
BIOLOGICAL SCIENCES	47.074			1,248,032	6,981,839
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075			97,318	1,449,523
EDUCATION AND HUMAN RESOURCES	47.076			509,608	4,515,953
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079			434,720	946,723
TRANS-NSF RECOVERY ACT RESEARCH SUPPORT	47.082			-	(19,846)
OFFICE OF INTEGRATIVE ACTIVITIES	47.083			1,700,975	4,069,187
IPA ASSIGNMENT FOR DR. CHENGSHAN XIAO TO A PROGRAM DIRECTOR POSITION IN THE CCS PROGRAM	47.RD		1539316	-	164,730

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
IPA ASSIGNMENT: SHUBRA GANGOPADHYAY, PROGRAM DIRECTOR IN THE COMMUNICATIONS, CIRCUITS, AND SENSING SYSTEMS PROGRAM	47.RD		ECCS-1650301	\$ -	\$ 214,821
NATIONAL SCIENCE FOUNDATION DIRECT PROGRAMS TOTAL				4,222,082	29,418,088
NATIONAL SCIENCE FOUNDATION PASS THROUGH PROGRAMS					
ENGINEERING GRANTS	47.041	BROWN UNIVERSITY	00000653	-	(9,193)
ENGINEERING GRANTS	47.041	CARNEGIE MELLON UNIVERSITY	1122191-351314	-	40,453
ENGINEERING GRANTS	47.041	EQUINOSIS LLC	N/A	-	4,516
ENGINEERING GRANTS	47.041	GEORGE WASHINGTON UNIVERSITY	15-S31	-	8,888
ENGINEERING GRANTS	47.041	IMPEDX DIAGNOSTICS	N/A	-	10,551
ENGINEERING GRANTS	47.041	INNERVO TECH LLC	001	-	4,631
ENGINEERING GRANTS	47.041	MIHRAB NANOTECHNOLOGY LLC	1622881	-	63,846
ENGINEERING GRANTS	47.041	MISSISSIPPI STATE UNIVERSITY	060100.362600.01	-	20,843
ENGINEERING GRANTS	47.041	NORTH CAROLINA STATE UNIVERSITY	2008-1015-03	-	332,295
ENGINEERING GRANTS	47.041	RUTGERS UNIVERSITY	SUB00000002	-	31,108
ENGINEERING GRANTS	47.041	SMART HEALTH BEACONS	IIP-1648907	-	25,274
ENGINEERING GRANTS	47.041	THERMOFLOW LABORATORIES	N/A	-	39,513
ENGINEERING GRANTS	47.041	TUFTS UNIVERSITY	100854-00001	-	47,831
ENGINEERING GRANTS	47.041	UNIVERSITY OF ALABAMA	UA14-050	-	40,164
ENGINEERING GRANTS	47.041	UNIVERSITY OF ARKANSAS	SA1610096	-	77,398
ENGINEERING GRANTS	47.041	UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION	ULRF 16-1120-01	-	3,138
ENGINEERING GRANTS	47.041	UNIVERSITY OF TEXAS ARLINGTON	26-1005-6561	-	11,307
ENGINEERING GRANTS	47.041	UNIVERSITY OF WASHINGTON	UWSC8873	-	29,538
ENGINEERING GRANTS	47.041	WORCESTER POLYTECHNIC INSTITUTE	16-204140-01	-	38,686
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	BRIGHAM YOUNG UNIVERSITY	16-0472	-	6,220
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	CATHOLIC UNIVERSITY OF AMERICA	AST-1211362	-	973
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	NORTHWESTERN UNIVERSITY	SP0013743-PROJ000365	-	26,263
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	PHYSTEC	N/A	-	8,160
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	VIRGINIA TECH UNIVERSITY	479342-19228	-	75,187
GEOSCIENCES	47.050	CONSORTIUM FOR OCEAN LEADERSHIP	T348A58	-	2,376
GEOSCIENCES	47.050	UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	FY2015-091	-	2,178
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	BBN TECHNOLOGIES CORP.	14563	-	20
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	NEW JERSEY INSTITUTE OF TECHNOLOGIES	996634	-	11,507
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	RAYTHEON BBN TECHNOLOGIES	1937	36,286	68,001
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	WRIGHT STATE UNIVERSITY	PO# P0025758	-	7,261
BIOLOGICAL SCIENCES	47.074	CARY INSTITUTE OF ECOSYSTEM STUDIES	3335/200201871	-	2,551
BIOLOGICAL SCIENCES	47.074	COLORADO STATE UNIVERSITY	G-4023-1	-	104,717
BIOLOGICAL SCIENCES	47.074	CORNELL UNIVERSITY	67183-10109	-	126,477
BIOLOGICAL SCIENCES	47.074	HAUPTMAN-WOODWARD MEDICAL RESEARCH INSTITUTE INC	6200	-	18,347
BIOLOGICAL SCIENCES	47.074	INSTITUTE OF ECOSYSTEM STUDIES	3161/200201409	-	10,919
BIOLOGICAL SCIENCES	47.074	ST LOUIS UNIVERSITY	ERS# 39493	-	35,767
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF GEORGIA	RC371-288/S000904	-	-
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF GEORGIA	RR167-629/S000817	-	540,865
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF MINNESOTA	H004551101	-	43,728
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF RHODE ISLAND	4451/102615	-	126,958
BIOLOGICAL SCIENCES	47.074	WASHINGTON STATE UNIVERSITY	118996 G003358	-	90,131
BIOLOGICAL SCIENCES	47.074	WORCESTER POLYTECHNIC INSTITUTE	16-203730-00	-	31,531
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	RESEARCH FOUNDATION OF SUNY	15-15	-	12,829
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	WAKE FOREST UNIVERSITY	16-002	-	54
EDUCATION AND HUMAN RESOURCES	47.076	AMERICAN ASTONOMICAL SOCIETY	N/A	-	15,762
EDUCATION AND HUMAN RESOURCES	47.076	HARRIS STOWE STATE COLLEGE	1619639	-	-
EDUCATION AND HUMAN RESOURCES	47.076	HARRIS STOWE STATE COLLEGE	N/A	-	13,108
EDUCATION AND HUMAN RESOURCES	47.076	HUNTER COLLEGE OF THE CITY UNIV OF NEW YORK	40A70-B	-	22,388
EDUCATION AND HUMAN RESOURCES	47.076	MUSEUM OF SCIENCE BOSTON	N/A	-	1,200
EDUCATION AND HUMAN RESOURCES	47.076	RESEARCH FOUNDATION OF SUNY	77903-1139096-3	-	26,954
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF COLORADO AT BOULDER	1550703	-	62,299
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF MARYLAND	47965-Z4772001	-	1,998
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF NEBRASKA - LINCOLN	25-6238-0781-002	-	8,696
NATIONAL SCIENCE FOUNDATION PASS THROUGH PROGRAMS TOTAL				36,286	2,326,212
NATIONAL SCIENCE FOUNDATION TOTAL				4,258,368	31,744,300
SECURITIES AND EXCHANGE COMMISSION					
SECURITIES AND EXCHANGE COMMISSION DIRECT PROGRAMS					
IPA AGREEMENT	58.U01		MOD15CFIPA	-	32,729
SECURITIES AND EXCHANGE COMMISSION TOTAL				-	32,729
SMALL BUSINESS ADMINISTRATION					
SMALL BUSINESS ADMINISTRATION DIRECT PROGRAMS					
SMALL BUSINESS DEVELOPMENT CENTERS	59.037			822,589	2,409,315
SCALEUP AMERICA	59.U01		SBAHQ-14-C-0025	-	330,682
SMALL BUSINESS ADMINISTRATION TOTAL				822,589	2,739,997
DEPARTMENT OF VETERANS AFFAIRS					
DEPARTMENT OF VETERANS AFFAIRS DIRECT PROGRAMS					
IPA AGREEMENTS	64.RD		N/A	-	456,963
IPA AGREEMENTS	64.U01		N/A	-	189,901
DEPARTMENT OF VETERANS AFFAIRS TOTAL				-	646,864
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			-	18,369
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461			-	157,014
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509			183,289	369,954
GREATER RESEARCH OPPORTUNITIES (GRO) FELLOWSHIPS FOR UNDERGRADUATE ENVIRONMENTAL STUDY	66.513			-	10,667
P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY	66.516			-	5,511
POLLUTION PREVENTION GRANTS PROGRAM	66.708			-	64,874
ENVIRONMENTAL PROTECTION AGENCY DIRECT PROGRAMS TOTAL				183,289	626,389

University of Missouri System
 Schedule of Expenditures of Federal Awards
 Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
ENVIRONMENTAL PROTECTION AGENCY PASS THROUGH PROGRAMS					
WATER POLLUTION CONTROL STATE, INTERSTATE, AND TRIBAL PROGRAM SUPPORT	66.419	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	\$ -	21,873
NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460	MISSOURI DEPARTMENT OF NATURAL RESOURCES	G13-NPS-08	-	13,099
		MISSOURI DEPARTMENT OF NATURAL RESOURCES	G13-NPS-07	-	-
		MISSOURI DEPARTMENT OF NATURAL RESOURCES	G15-NPS-01	-	-
		MISSOURI DEPARTMENT OF NATURAL RESOURCES	G15-NPS-02	-	-
		MISSOURI DEPARTMENT OF NATURAL RESOURCES	G15-NPS-03	-	-
		MISSOURI DEPARTMENT OF NATURAL RESOURCES	G16-NPS-02	-	-
		MISSOURI DEPARTMENT OF NATURAL RESOURCES	G16-NPS-03	-	-
		MISSOURI DEPARTMENT OF NATURAL RESOURCES	G17-NPS-04	-	-
		MISSOURI DEPARTMENT OF NATURAL RESOURCES	G17-NPS-05	-	-
NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	-	373,921
NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460	SCHUYLER COUNTY SOIL & WATER CONSERVATION DISTRICT	G14-NPS-01	-	8,163
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461	MISSOURI DEPARTMENT OF CONSERVATION	384	-	45,523
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS	66.468	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	6,000	88,373
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509	UNIVERSITY OF SOUTHERN CALIFORNIA	62098330	-	(16,391)
PERFORMANCE PARTNERSHIP GRANTS	66.605	MISSOURI DEPARTMENT OF AGRICULTURE	N/A	-	20,008
RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, TRAINING, DEMONSTRATIONS, AND STUDIES	66.716	NATIONAL ASSOCIATION OF STATE DEPARTMENT OF AGRICULTURE	2014PSEP_MISSOURI	-	8,100
ANALYSIS OF MULTI-WALLED CARBON NANOTUBE RELEASED FROM POLYMER MATRIX USING SP-ICP-MS	66.RD	PEGASUS TECHNOLOGY SERVICES INC	MS&T-17-001	-	2,476
PERFLUOROOCTANOIC ACID (PFOA), PERFLUOROOCTANE SULFONATE	66.RD	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	-	127,110
TECHNOLOGY ASSISTANCE TO MISSOURI UTILITIES TO MEET DBP STANDARDS	66.U01	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	-	67,929
ENVIRONMENTAL PROTECTION AGENCY PASS THROUGH PROGRAMS TOTAL				6,000	760,184
ENVIRONMENTAL PROTECTION AGENCY TOTAL				189,289	1,386,573
NUCLEAR REGULATORY COMMISSION					
NUCLEAR REGULATORY COMMISSION DIRECT PROGRAMS					
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM	77.008			-	1,235,616
NUCLEAR REGULATORY COMMISSION TOTAL				-	1,235,616
DEPARTMENT OF ENERGY					
DEPARTMENT OF ENERGY DIRECT PROGRAMS					
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049			285,027	2,307,450
CONSERVATION RESEARCH AND DEVELOPMENT	81.086			47,460	443,200
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087			812,666	1,133,048
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089			235,584	567,112
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112			-	66,777
ENERGY EFFICIENCY AND RENEWABLE ENERGY INFORMATION DISSEMINATION, OUTREACH, TRAINING AND TECHNICAL ANALYSIS/ASSISTANCE	81.117			4,184	209,048
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121			181,300	803,305
DEPARTMENT OF ENERGY DIRECT PROGRAMS TOTAL				1,566,221	5,529,940
DEPARTMENT OF ENERGY PASS THROUGH PROGRAMS					
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710004152	-	65,858
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	MISSOURI SCIENCE CORPORATION	00050313	-	166,482
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	NORTH CAROLINA STATE UNIVERSITY	2015-2076-01	-	87,644
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	PHDS CO	N/A	-	1,962
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UES	S-133-000-001	-	29,011
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF SOUTHERN CALIFORNIA	68291175	-	172,287
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF TEXAS AUSTIN	UTA15-001186	37,267	351,103
CONSERVATION RESEARCH AND DEVELOPMENT	81.086	INNOCIT LLC	14-0654-18	-	49,558
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	AMES LABORATORY	SC-15-433	-	20,932
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	MIDWEST RENEWABLE ENERGY ASSOCIATION	0042853	-	20,332
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	UNIVERSITY OF FLORIDA	UF13014 > UFDSP00011010	-	164,302
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	MINNESOTA INSTITUTE OF MINING AND TECHNOLOGY	N/A	-	69,423
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	UNIVERSITY OF LOUISIANA AT LAFAYETTE	112-1132-1	-	42,013
		GENERAL ATOMICS	4500057254	-	-
		GENERAL ATOMICS	4500059143	-	-
DEFENSE NUCLEAR NONPROLIFERATION RESEARCH	81.113	GENERAL ATOMICS	4500063419	-	5,458,520
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	ADVANCED COOLING TECHNOLOGIES INC	24019	-	247,867
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	DONALD DANFORTH PLANT SCIENCE CTR	21018-UM	-	570
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	GEORGIA INSTITUTE OF TECHNOLOGY	RH140-G1	-	15,060
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	REDWAVE ENERGY, INC.	UOFM-0529-16	-	252,018
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	SHARP LABORATORY OF AMERICA	SLA-UM DE-AR0000465	-	8,002
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	VIGINIA COMMONWEALTH UNIVERSITY	FP00001756-SA002	-	13,763
ADDITIVE MANUFACTURING OF BATTERIES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000217910	-	80,281
ADDITIVE MANUFACTURING OF CERAMIC AND CERAMIC COMPOSITES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000215350	-	66,721
ADDITIVE MANUFACTURING RAW MATERIAL ANALYSIS	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	PO# N000186386	-	82,784
ADDITIVE MANUFACTURING RAW MATERIAL ANALYSIS II	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000217275	-	83,729
ADVANCED DSP DEVELOPMENT IN FPGA	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000185493	-	36,000
ADVANCED MANUFACTURING OF STEEL FUEL CLADDING BY EQUAL-CHANNEL ANGULAR PRESSING	81.RD	IDAHO NATIONAL LABORATORY	186624	-	23,911
ALUMINA BRAZE METHOD	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	-	5,822
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	-	29,633
COUNTERING PATHOGEN INTERFACES WITH HUMAN DEFENSES	81.RD	LOS ALAMOS NATIONAL LABORATORY	363436	-	34,006
CREATION OF AN ADAPTIVE REMAINING LIFETIME PREDICTION MODEL OF POWER ELECTRONICS	81.RD	NATIONAL RENEWABLE ENERGY LABORATORY	XFC-7-62302-01	-	24,910
DESIGN OF AN AUTOMATED HIGH PRESSURE METERING SYSTEM	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	-	1,000
DEVELOPING VACUUM COMPATIBLE ROTATING FIXTURE FOR PVD COATING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	-	10,188
DEVELOPMENT AND FABRICATION OF THIN FILM PASSIVE DEVICES ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AND LAMINATE SUBSTRATES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000185613	-	166,199
DEVELOPMENT OF LARGE MASS HELICAL LAUNCHER FREQUENCY RESPONSE INSPECTION OF ADDITIVELY MANUFACTURED PARTS FOR DEFECT IDENTIFICATION	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000174953	-	(23,168)
	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000182444	-	55,738

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
IMPROVED HEAD-NECK FINITE ELEMENT MODEL FOR DYNAMIC HEAD IMPACT SIMULATION	81.RD	SANDIA NATIONAL LABORATORY	1463534	\$ -	\$ 576
IMPROVED HEAD-NECK FINITE ELEMENT MODEL FOR DYNAMIC HEAD IMPACT SIMULATION	81.RD	SANDIA NATIONAL LABORATORY	1498184	-	28,841
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING (TRAVEL)	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000224172	-	59,715
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN CIRCULAR PIPES FOR HEAT TRANSFER	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000216415	-	31,393
LABVIEW SOFTWARE FOR HIGH RESOLUTION CT RECONSTRUCTION	81.RD	BATTELLE ENERGY ALLIANCE LLC	170312	-	28,957
LANL/MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY CYBER SECURITY SCIENCES INSTITUTE	81.RD	LOS ALAMOS NATIONAL LABORATORY	259565	-	67,833
MATERIALS SCIENCE & ENGINEERING SENIOR DESIGN GROUP #14	81.RD	SANDIA NATIONAL LABORATORY	1750202	-	3,313
METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000216452	-	773,950
MISSOURI OZARK AMERIFLUX (MOFLUX) PROJECT PHASE FOUR	81.RD	OAK RIDGE NATIONAL LABORATORY	4000150689	-	119,095
MISSOURI OZARK AMERIFLUX PROJECT PHASE THREE	81.RD	OAK RIDGE NATIONAL LABORATORY	4000090462	-	58,887
MOLECULAR MECHANISMS GOVERNING MERCURY BIOGEOCHEMICAL TRANSFORMATIONS	81.RD	OAK RIDGE NATIONAL LABORATORY	4000147581	-	57,214
MOTORIZED CT (COMPUTED TOMOGRAPHY) CALIBRATION TOOL	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	-	11,414
NUCLEAR REACTOR UPGRADE	81.RD	PACIFIC NORTHWEST NATIONAL LABORATORY	234597	-	7,080
R&D AIRBORNE DUST EXPLOSION EVALUATION	81.RD	CONSOLIDATED NUCLEAR SECURITY LLC	4300096259	-	45,905
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	-	555,430
STEC ENERGY FRONTIER RESEARCH CENTER - UNIVERSITY OF MISSOURI	81.RD	OAK RIDGE NATIONAL LABORATORY	4000142104	-	47,012
SUMMER RESEARCH EXPERIENCE IN ADDITIVE MANUFACTURING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	-	3,000
THIN CURVED PLATE HYDRAULIC TEST	81.RD	ARGONNE NATIONAL LABORATORY	6J-00005-0007A	-	44,423
TRAVEL, HOUSING, AND SUBSISTENCE FOR VISITORS RUQIYYA KARIMOVA AND YEGANA MURADOVA	81.RD	LAWRENCE LIVERMORE NATIONAL LABORATORY	B618520	-	11,484
ARGONNE WORK ORDER	81.U01	ARGONNE NATIONAL LABORATORY	6J-00005-0008A	-	100,359
SENIOR DESIGN PROJECT	81.U02	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	DE-NA0002839	-	13,274
DEPARTMENT OF ENERGY PASS THROUGH PROGRAMS TOTAL				37,267	9,983,616
DEPARTMENT OF ENERGY TOTAL				1,603,488	15,513,556
DEPARTMENT OF EDUCATION					
DEPARTMENT OF EDUCATION DIRECT PROGRAMS					
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS	84.007			-	1,761,167
UNDERGRADUATE INTERNATIONAL STUDIES AND FOREIGN LANGUAGE PROGRAMS	84.016			-	11,735
FEDERAL WORK-STUDY PROGRAM	84.033			-	2,771,609
PERKINS LOAN PROGRAM	84.038			-	36,461,284
TRIO STUDENT SUPPORT SERVICES	84.042			-	610,934
FEDERAL PELL GRANT PROGRAM	84.063			-	52,944,247
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200			-	1,134,317
TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217			-	238,617
FEDERAL DIRECT STUDENT LOANS	84.268			-	389,106,465
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305			51,985	2,206,588
RESEARCH IN SPECIAL EDUCATION	84.324			12,065	305,689
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325			-	708,321
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365			-	399,635
TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION GRANTS (TEACH GRANTS)	84.379			-	218,967
TRANSITION PROGRAMS FOR STUDENTS WITH INTELLECTUAL DISABILITIES INTO HIGHER EDUCATION	84.407			-	448,310
INVESTING IN INNOVATION (I3) FUND	84.411			2,685,972	3,715,964
DEPARTMENT OF EDUCATION DIRECT PROGRAMS TOTAL				2,750,022	493,043,849
DEPARTMENT OF EDUCATION PASS THROUGH PROGRAMS					
ADULT EDUCATION - BASIC GRANTS TO STATES	84.002	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	346,266
CIVIL RIGHTS TRAINING AND ADVISORY SERVICES	84.004	INDIANA UNIVERSITY-PURDUE UNIVERSITY INDIANAPOLIS	N/A	-	14,379
MIGRANT EDUCATION_STATE GRANT PROGRAM	84.011	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	42,060
SPECIAL EDUCATION_GRANTS TO STATES	84.027	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	1,757
SPECIAL EDUCATION_GRANTS TO STATES	84.027	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	3,224,635
CAREER AND TECHNICAL EDUCATION - BASIC GRANTS TO STATES	84.048	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	20,592
MINORITY SCIENCE AND ENGINEERING IMPROVEMENT REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.120	HARRIS STOWE STATE COLLEGE	N/A	-	3,158
SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES_NATIONAL PROGRAMS	84.126	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	164,184	3,483,950
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287	BOONSLICK HEARTLAND YMCA	N/A	-	1,960
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287	COLUMBIA HOUSING AUTHORITY LOW INCOME SERVICES	N/A	-	16,154
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287	LOCAL INVESTMENT COMMISSION	LCN-16-E102178	-	596,540
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287	LOCAL INVESTMENT COMMISSION	LCN-17-E102305	-	340,997
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	75,500
SPECIAL EDUCATION - STATE PERSONNEL DEVELOPMENT RESEARCH IN SPECIAL EDUCATION	84.323	JOHNS HOPKINS UNIVERSITY	2002639185	114,702	1,151,055
RESEARCH IN SPECIAL EDUCATION	84.324	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	8,296
RESEARCH IN SPECIAL EDUCATION	84.324	IOWA STATE UNIVERSITY	432-28-02	-	78,738
		UNIVERSITY OF MINNESOTA	A003348601	-	78,738

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
RESEARCH IN SPECIAL EDUCATION	84.324	UNIVERSITY OF SOUTH FLORIDA	5810-1021-00-A	\$ -	\$ 69,497
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	7,678
SPECIAL EDUCATION, TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326	UNIVERSITY OF OREGON	224440A	-	400,982
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	5,000
MATHEMATICS AND SCIENCE PARTNERSHIPS	84.366	ST LOUIS PUBLIC SCHOOLS	10137960	-	19,892
MATHEMATICS AND SCIENCE PARTNERSHIPS	84.366	ST. LOUIS PUBLIC SCHOOLS	N/A	-	18,202
IMPROVING TEACHER QUALITY STATE GRANTS	84.367	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	145,430
IMPROVING TEACHER QUALITY STATE GRANTS	84.367	MISSOURI DEPARTMENT OF HIGH EDUCATION	N/A	105,456	661,881
		NATIONAL WRITING PROJECT CORPORATION	92-M003-SEED2012		
		NATIONAL WRITING PROJECT CORPORATION	92-MO01-SEED2012		
		NATIONAL WRITING PROJECT CORPORATION	92-MO01-SEED2016		
		NATIONAL WRITING PROJECT CORPORATION	92-MO03-SEED2017-CRWPPP		
IMPROVING TEACHER QUALITY STATE GRANTS	84.367	NATIONAL WRITING PROJECT CORPORATION	92-MO03-SEED2017-ILI	-	19,684
GRANTS FOR STATE ASSESSMENTS AND RELATED ACTIVITIES	84.369	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	2,750
SCHOOL IMPROVEMENT GRANTS	84.377	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	116,525
STATE FISCAL STABILIZATION FUND (SFSF) - RACE-TO-THE- TOP INCENTIVE GRANTS	84.395	VANDERBILT UNIVERSITY	3762-018203	-	19
INVESTING IN INNOVATION (I3) FUND	84.411	NATIONAL WRITING PROJECT CORPORATION	92-MO03-2017I3AI	-	465
RACE TO THE TOP - DISTRICT GRANTS	84.416	SPRINGDALE PUBLIC SCHOOLS	N/A	-	65,396
REL MIDWEST	84.U01	AMERICAN INSTITUTES FOR RESEARCH IN THE BEHAVIORAL SCIENCES	01113-03175	-	35,277
KANSAS CITY MELL SUPERVISOR OFFICE	84.U02	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	1,681
DEPARTMENT OF EDUCATION PASS THROUGH PROGRAMS TOTAL				384,342	11,764,788
DEPARTMENT OF EDUCATION TOTAL				3,134,364	504,808,637
NATIONAL ARCHIVES & RECORDS ADMINISTRATION NATIONAL ARCHIVES & RECORDS ADMINISTRATION DIRECT PROGRAMS					
PROJECT WHISTELSTOP	89.U01		NAR14TFLC-005	-	73,562
NATIONAL ARCHIVES & RECORDS ADMINISTRATION TOTAL				-	73,562
DEPARTMENT OF HEALTH AND HUMAN SERVICES DEPARTMENT OF HEALTH AND HUMAN SERVICES DIRECT PROGRAMS					
COMPETITIVE ABSTINENCE EDUCATION (CAE)	93.060			-	216,203
BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE	93.073			120,499	336,994
HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS	93.086			1,106,643	2,039,787
FOOD AND DRUG ADMINISTRATION, RESEARCH	93.103			-	23,892
AREA HEALTH EDUCATION CENTERS POINT OF SERVICE MAINTENANCE AND ENHANCEMENT AWARDS	93.107			320,314	403,742
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110			2,822	517,639
ENVIRONMENTAL HEALTH	93.113			245,597	1,567,212
ORAL DISEASES AND DISORDERS RESEARCH	93.121			607,935	3,179,476
NURSE ANESTHETIST TRAINEESHIPS	93.124			-	20,699
COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM	93.137			99,384	608,461
NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION	93.143			-	13,300
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173			-	106,369
NURSING WORKFORCE DIVERSITY	93.178			-	317,109
GRADUATE PSYCHOLOGY EDUCATION PROGRAM AND PATIENT NAVIGATOR AND CHRONIC DISEASE PREVENTION PROGRAM	93.191			-	207,388
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213			-	123,608
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226			205,595	1,600,359
MENTAL HEALTH RESEARCH GRANTS	93.242			608,549	2,125,980
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243			267,264	3,761,086
ADVANCED NURSING EDUCATION GRANT PROGRAM	93.247			-	982,956
FAMILY PLANNING_PERSONNEL TRAINING	93.260			127,456	1,143,632
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264			-	1,883,314
ALCOHOL RESEARCH PROGRAMS	93.273			178,306	2,619,150
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279			37,254	589,842
CENTERS FOR DISEASE CONTROL AND PREVENTION, INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283			36,427	124,979
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286			-	350,724
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307			22,311	50,193
TRANS-NIH RESEARCH SUPPORT	93.310			521	363,466
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342			-	18,290,408
RESEARCH INFRASTRUCTURE PROGRAMS	93.351			-	6,017,514
ADVANCED EDUCATION NURSING TRAINEESHIPS	93.358			-	525,457
NURSE EDUCATION, PRACTICE QUALITY AND RETENTION GRANTS	93.359			239,219	465,630
NURSING RESEARCH	93.361			107,199	604,751
NURSING STUDENT LOANS	93.364			-	1,562,504
NATIONAL CENTER FOR RESEARCH RESOURCES	93.389			393	18,523
CANCER CAUSE AND PREVENTION RESEARCH	93.393			5,352	179,439
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394			-	471
CANCER TREATMENT RESEARCH	93.395			89,210	628,156
CANCER BIOLOGY RESEARCH	93.396			42,123	702,007

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
ARRA - NURSE FACULTY LOAN PROGRAM	93.408			\$ -	\$ 117,387
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433			-	1,738,823
FAMILY TO FAMILY HEALTH INFORMATION CENTERS	93.504			-	76,340
HEAD START	93.600			-	174,196
HEALTH CARE INNOVATION AWARDS (HCIA)	93.610			20,000	21,547
AFFORDABLE CARE ACT INITIATIVE TO REDUCE AVOIDABLE HOSPITALIZATIONS AMONG NURSING FACILITY RESIDENTS	93.621			548,394	4,745,611
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631			91,518	227,572
UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH, AND SERVICE	93.632			-	578,505
SOCIAL SERVICES RESEARCH AND DEMONSTRATION	93.647			-	97,931
HEALTH INFORMATION TECHNOLOGY REGIONAL EXTENSION CENTERS PROGRAM	93.718			-	(9,699)
CARDIOVASCULAR DISEASES RESEARCH	93.837			151,095	6,298,543
LUNG DISEASES RESEARCH	93.838			-	260,479
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846			74,396	1,515,554
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847			232,153	2,715,810
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			-	1,514,497
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855			958,969	5,714,016
MICROBIOLOGY AND INFECTIOUS DISEASES RESEARCH	93.856			-	183,600
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859			300,100	6,061,517
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865			-	2,088,884
AGING RESEARCH	93.866			573,020	2,142,930
VISION RESEARCH	93.867			723	1,377,287
MEDICAL LIBRARY ASSISTANCE	93.879			-	352,549
GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	93.884			-	239,207
HIV PREVENTION ACTIVITIES_NON-GOVERNMENTAL ORGANIZATION BASED	93.939			238,806	1,365,955
COMPUTER METHODS FOR DIGITIZED HISTOLOGY IMAGE ANALYSIS AND BIOMEDICAL CLASSIFICATION	93.RD		HHSN276201500691P	-	24,812
DEVELOPMENT OF A LOW COST LIDAR GROUND CONTROL HAZARD DETECTION NETWORK	93.RD		200-2016-91155	-	112,584
LABORATORY DIABETES ANALYSIS FOR NHANES 2012-2017 SOLICITATION NUMBER 2012-N-14276	93.RD		200-2012-51278	-	59,982
MEASUREMENT OF SELENIUM, MERCURY, IRON, ZINC AND SCANDIUM IN NAIL SAMPLES FROM THE GOLESTAN COHORT, IRAN	93.RD		HHSN261201500234P	-	13,956
SMARTPHONE PLATFORM FOR MALARIA DIAGNOSIS	93.RD		HHSN276201500705P	-	247
DEPARTMENT OF HEALTH AND HUMAN SERVICES DIRECT PROGRAMS TOTAL				7,659,547	94,083,042
DEPARTMENT OF HEALTH AND HUMAN SERVICES PASS THROUGH PROGRAMS					
LABORATORY TRAINING, EVALUATION, AND QUALITY ASSURANCE PROGRAMS	93.064	CHILDREN'S MERCY HOSPITAL	INU47OE000105-01-00	-	112,310
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	
ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE	93.070	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380109-002	-	171,712
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380109-03	-	
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	-	(1)
BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH	93.080	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0011472N	-	13,591
AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM	93.092	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC14380044	-	
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380071	-	97,096
WELL-INTEGRATED SCREENING AND EVALUATION FOR WOMEN ACROSS THE NATION	93.094	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC14380111	-	16,540
		SAINT LOUIS MENTAL HEALTH BOARD	16045C-16	-	
		SAINT LOUIS MENTAL HEALTH BOARD	16045C-17	-	
		SAINT LOUIS MENTAL HEALTH BOARD	16055SOC	-	
		SAINT LOUIS MENTAL HEALTH BOARD	16057SOC	-	
		SAINT LOUIS MENTAL HEALTH BOARD	16058C-16	-	243,283
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104			-	
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110	ARKANSAS CHILDRENS HOSPITAL RESEARCH INSTITUTE	034492	-	43
		MASSACHUSETTS GENERAL HOSPITAL	226858	-	
		MASSACHUSETTS GENERAL HOSPITAL	226861	-	
		MASSACHUSETTS GENERAL HOSPITAL	FUND #: 226858	-	155,974
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC14380027	-	816
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110	UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0010176N	-	22,743
ENVIRONMENTAL HEALTH	93.113	INDIANA UNIVERSITY	BL-4645301-UM	-	9,496
ENVIRONMENTAL HEALTH	93.113	NORTH CAROLINA STATE UNIVERSITY	2011-1830-01	-	(1,499)
ORAL DISEASES AND DISORDERS RESEARCH	93.121	CLEMSON UNIVERSITY	1723-209-2008855	-	6,813
ORAL DISEASES AND DISORDERS RESEARCH	93.121	WASHINGTON UNIVERSITY	WU-17-285	-	45,561
GRANTS TO INCREASE ORGAN DONATIONS	93.134	UNIVERSITY OF CALIFORNIA - LOS ANGELES	1561GRB070 3	-	5,542
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380068	-	
AIDS EDUCATION AND TRAINING CENTERS	93.145	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380087	-	96,795
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	HEALTH RESEARCH, INC.	5100-01	-	87
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	INDIANA UNIVERSITY	BL-4635515-UMC	-	78,381
DISABILITIES PREVENTION	93.184	NUVIANT MEDICAL INC	15-NIDCD-001	-	5,291
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380030	-	88,585
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.		-	
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC.	QS851855	-	
TELEHEALTH PROGRAMS	93.211	INC.	Z1N00030	-	82,965
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	OREGON HEALTH SCIENCE UNIVERSITY	1005865_CUMISSOURI	-	45,395
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	RUTGERS UNIVERSITY	5879	-	
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	RUTGERS UNIVERSITY	6117	-	47,987
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	UNIVERSITY OF OKLAHOMA	RS20140542	-	60,093

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	UNIVERSITY OF PITTSBURGH	0042771(125364-2)	\$ -	\$ 4,630
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	WASHINGTON UNIVERSITY	WU-15-123	-	3,740
TRAUMATIC BRAIN INJURY STATE DEMONSTRATION GRANT PROGRAM	93.234	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380035	35,000	186,575
AFFORDABLE CARE ACT (ACA) ABSTINENCE EDUCATION PROGRAM	93.235	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380071	-	53,961
MENTAL HEALTH RESEARCH GRANTS	93.242	BRANDEIS UNIVERSITY	403000	-	169,099
MENTAL HEALTH RESEARCH GRANTS	93.242	EXOCYTRONICS LLC	00047734	-	76,578
MENTAL HEALTH RESEARCH GRANTS	93.242	RAND CORPORATION	9920170010	-	18,746
MENTAL HEALTH RESEARCH GRANTS	93.242	THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	1R34MH103835-01A1	-	19,692
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF HAWAII	KA150022	-	11,161
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF PITTSBURGH	0024980 (120775-1)	-	-
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF PITTSBURGH	0024980 127564-1	-	18,275
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	45TH JUDICIAL CIRCUIT OF MISSOURI	N/A	-	69,665
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	9TH JUDICIAL CIRCUIT OF MISSOURI	N/A	-	76,132
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	BEHAVIORAL HEALTH NETWORK OF GREATER ST LOUIS	N/A	-	28,537
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	CITY UNIVERSITY OF NEW YORK	7F044-D	-	4,313
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	HARRIS STOWE STATE COLLEGE	00052612	-	4,507
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098	-	-
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC13380092	-	-
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC15360080	-	-
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380080	-	-
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380041	-	745,362
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380042	-	-
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	NATIONAL ALLIANCE FOR THE MENTALLY ILL MISSOURI CHAPTER	N/A	-	15,236
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	OZARK CENTER	N/A	-	45,867
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	PREFERRED FAMILY HEALTHCARE	N/A	-	99,232
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	QUEEN OF PEACE CENTER	N/A	-	42,795
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	UNIVERSITY OF WISCONSIN - MADISON	5UR1T024236	-	458,370
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262	UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-126	-	20,577
IMMUNIZATION COOPERATIVE AGREEMENTS	93.268	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	788
ALCOHOL RESEARCH PROGRAMS	93.273	UNIVERSITY OF MEMPHIS	UNIVERSITY INDEX 5-4	-	159,858
ALCOHOL RESEARCH PROGRAMS	93.273	UNIVERSITY OF PITTSBURGH	0030254 (123938-1)	-	29,044
ALCOHOL RESEARCH PROGRAMS	93.273	WASHINGTON UNIVERSITY	WU-17-150	-	34,821
DRUG-FREE COMMUNITIES SUPPORT PROGRAM GRANTS	93.276	PARWAY MISSOURI SCHOOL DISTRICT	N/A	-	5,541
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	5-30995	-	73,678
CENTERS FOR DISEASE CONTROL AND PREVENTION_INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	AMERICAN ASSOCIATION OF COLLEGES OF NURSING	6-93903A1	36,385	73,867
CENTERS FOR DISEASE CONTROL AND PREVENTION_INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC13380001	-	-
CENTERS FOR DISEASE CONTROL AND PREVENTION_INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	1,128,191
CENTERS FOR DISEASE CONTROL AND PREVENTION_INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	WASHINGTON UNIVERSITY	WU-17-80	-	68,004
CENTERS FOR DISEASE CONTROL AND PREVENTION_INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC11380275	-	123,553
CENTERS FOR DISEASE CONTROL AND PREVENTION_INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283	PRIMARIS	N/A	-	200
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286	OHIO STATE UNIVERSITY	60053590	-	-
SURPLUS PROPERTY UTILIZATION	93.291	OHIO STATE UNIVERSITY	60054616	-	88,324
NATIONAL STATE BASED TOBACCO CONTROL PROGRAMS	93.305	AQUILENT INC	N/A	-	1,990
TRANS-NIH RESEARCH SUPPORT	93.310	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380126	-	100,753
EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	93.323	UNIVERSITY OF IOWA	W000922465	-	59,995
BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM	93.336	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380133	-	33,279
BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM	93.336	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018	-	-
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018 AMEND 04	-	138,562
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	STATE OF MONTANA	15-07-1-01-022-0	-	105,480
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	WASHINGTON UNIVERSITY	WU-17-4	-	-
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	WASHINGTON UNIVERSITY	WU-17-89	-	30,527
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	CRYOCRATE LLC	N/A	-	7,171
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	MICHIGAN STATE UNIVERSITY	RC103190UM	-	14,461
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	PARATECHS CORPORATION	N/A	-	8,261
BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360	JOHNS HOPKINS UNIVERSITY	2001837727	-	(1)
BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360	MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL	AOC17380019	-	24,880
NURSING RESEARCH	93.361	PERCEPTIMED INC	N/A	-	26,829
NURSING RESEARCH	93.361	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	8648	-	14,356
NURSING RESEARCH	93.361	UNIVERSITY OF FLORIDA	UFDSP00010644	-	8,194
NURSING RESEARCH	93.361	WASHINGTON UNIVERSITY SCHOOL OF MEDICINE	WU-14-86-MOD-3	-	-
NURSING RESEARCH	93.361	WASHINGTON UNIVERSITY SCHOOL OF MEDICINE	WU-16-301	-	25,122
NURSING RESEARCH	93.361	WASHINGTON UNIVERSITY	WU-15-341	-	-
NURSING RESEARCH	93.361	WASHINGTON UNIVERSITY	WU-17-77	-	125,825

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
SICKLE CELL TREATMENT DEMONSTRATION PROGRAM	93.365	WASHINGTON UNIVERSITY	WU-16-207		
CANCER CAUSE AND PREVENTION RESEARCH	93.393	WASHINGTON UNIVERSITY	WU-17-287	\$ -	50,206
		UNIVERSITY OF KANSAS	FY2014-081	-	154,863
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE INC		-	-
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE INC	1R21CA204767	-	-
CANCER CAUSE AND PREVENTION RESEARCH	93.393	INC	QR864360	-	41,239
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	DUQUESNE UNIVERSITY	250080	-	25,712
		MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD516825A	-	-
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD516825B	-	33,735
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	SURGISENSE CORPORATION	N/A	-	4,823
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	WASHINGTON UNIVERSITY	WU-16-310	-	2,094
CANCER TREATMENT RESEARCH	93.395	ALLIANCE FOR CLINICAL TRIALS IN ONCOLOGY	MO036	-	(9,035)
CANCER TREATMENT RESEARCH	93.395	CHILDRENS HOSPITAL OF PHILADELPHIA	CCOP: U10CA095861	-	(30)
		CHILDRENS HOSPITAL OF PHILADELPHIA	9500080215-12C	-	-
CANCER TREATMENT RESEARCH	93.395	CHILDRENS HOSPITAL OF PHILADELPHIA	NCORP FP00017458_SUB142	-	7,208
CANCER TREATMENT RESEARCH	93.395	ISO THERAPEUTIC GROUP, LLC	N/A	-	(526)
		MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD517367	-	-
CANCER TREATMENT RESEARCH	93.395	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD517367B	-	55,366
CANCER TREATMENT RESEARCH	93.395	ONCOVIR INC	ONC2014-001	-	1,472
CANCER TREATMENT RESEARCH	93.395	UNIVERSITY OF IOWA	W000651422	-	48,096
CANCER TREATMENT RESEARCH	93.395	UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	FY2013-069-M2	-	2,100
CANCER BIOLOGY RESEARCH	93.396	FLORIDA ATLANTIC UNIVERSITY	RJ86	-	60,697
		MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD518793	-	-
CANCER CENTERS SUPPORT GRANTS	93.397	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD518793A	-	143,680
NON-ACA/PPHF 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	-	4,073
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433	UNIVERSITY OF ILLINOIS SYSTEM	90DT5020	5,000	14,378
PREGNANCY ASSISTANCE FUND PROGRAM	93.500	PARENTS AS TEACHERS NATIONAL CENTER	N/A	-	39,444
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	CHILDREN'S MERCY HOSPITAL	16-0001	-	67
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380162	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380090	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380166	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380067	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH1616B0001	-	304,660
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	-	46,700
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC15380152	-	-
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558	MISSOURI DEPARTMENT OF SOCIAL SERVICES	DC11-02863 (TANF)	605,095	642,046
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	COLUMBIA PUBLIC SCHOOLS	N/A	-	54,173
		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	-	-
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380146	-	331,631
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380011	-	-
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380146	-	-
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC15380293	-	-
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC17380029	-	2,046,516
COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS	93.590	CHILDRENS TRUST FUND	N/A	34,500	72,197
CHILD CARE MANDATORY AND MATCHING FUNDS OF THE CHILD CARE AND DEVELOPMENT FUND	93.596	MISSOURI DEPARTMENT OF SOCIAL SERVICES	DC11-02863 (CCDF)	-	7,179
HEALTH CARE INNOVATION AWARDS (HCIA)	93.610	THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	CMS-IC1-12-001	-	74,923
		MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL	AOC11380081	-	-
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630	MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL	AOC14380023	-	-
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL	PGA10-08001	-	185,905
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	NATIONAL ASSOCIATION OF STATE DIRECTORS OF DEVELOPMENTAL DISABILITIES	N/A	-	63,720
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	SELF ADVOCATES BECOMING EMPOWERED	90DNRC0001	-	18,701
		UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	90DM0001-03-00	-	-
		UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	FY2016-097	-	20,138
CHILDREN'S JUSTICE GRANTS TO STATES	93.643	MISSOURI DEPARTMENT OF SOCIAL SERVICES	PG271500015	-	-
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	PG271500016	-	2,252
		NATIONAL CHILD WELFARE WORKFORCE INSTITUTE	15-52	-	-
		NATIONAL CHILD WELFARE WORKFORCE INSTITUTE	90CT7002	-	-
CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION FOSTER CARE, TITLE IV-E	93.648	NATIONAL CHILD WELFARE WORKFORCE INSTITUTE	SUBCONTRACT #14-59	-	134,697
TRANS-NIH RECOVERY ACT RESEARCH SUPPORT	93.658	MISSOURI DEPARTMENT OF SOCIAL SERVICES	N/A	-	624
HEALTH INFORMATION TECHNOLOGY REGIONAL EXTENSION CENTERS PROGRAM	93.701	THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	HHSN271200900019C	-	8,679
HEALTH INFORMATION TECHNOLOGY REGIONAL EXTENSION CENTERS PROGRAM	93.718	NEW YORK EHEALTH COLLABORATIVE	#15-MISSOURI-HIT/SUB-REC	-	20,898
		UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0007548H	-	32,422
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	-	57,472
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	AOC16380117	-	397
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	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380126-02	-	-
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380154	-	267,431
ALZHEIMER'S DISEASE INITIATIVE: SPECIALIZED SUPPORTIVE SERVICES PROJECT (ADI-SSS) THRU PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.763	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC	90ALGG0009	-	27,076
MEDICAL ASSISTANCE PROGRAM	93.778	CENTER FOR DISCOVERY	N/A	-	13,470
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC15380134	-	-
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380085	-	149,610

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC02380105		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC12380077		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC13380059		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC14380047		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380086		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380086		
		MISSOURI DEPARTMENT OF MENTAL HEALTH	ERO19912005		
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	ERO19912002	\$ -	\$ 1,151,003
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DIVISION OF MEDICAL SERVICES	AOC15380036		(3,910)
OPIOID STR	93.788	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380119		65,494
MONEY FOLLOWS THE PERSON REBALANCING DEMONSTRATION	93.791	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC11380275	73,293	80,014
DOMESTIC EBOLA SUPPLEMENT TO THE EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC).	93.815	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380088		113,304
CARDIOVASCULAR DISEASES RESEARCH	93.837	BRIGHAM AND WOMENS HOSPITAL	PS# 107223		1,232
		DUKE UNIVERSITY	200464		
CARDIOVASCULAR DISEASES RESEARCH	93.837	DUKE UNIVERSITY	4U01HL105565		55,410
CARDIOVASCULAR DISEASES RESEARCH	93.837	NANOVA INC	N/A		12,298
CARDIOVASCULAR DISEASES RESEARCH	93.837	NORTHWESTERN UNIVERSITY	60040951 UMC		26,298
		TEXAS A&M UNIVERSITY	23S152308/M1500033		
CARDIOVASCULAR DISEASES RESEARCH	93.837	TEXAS A&M UNIVERSITY	23-S152308/M1500033		48,531
CARDIOVASCULAR DISEASES RESEARCH	93.837	TUFTS UNIVERSITY	5010929-SERV		125,661
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	80343C		75,815
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF FLORIDA	UFDSP00010723		3,836
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF MICHIGAN	3003532896		13,354
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF ROCHESTER	415620-G		8,444
CARDIOVASCULAR DISEASES RESEARCH	93.837	WASHINGTON UNIVERSITY	WU-16-41		219,441
LUNG DISEASES RESEARCH	93.838	INDIANA UNIVERSITY	/20/20171R01HL131730		4,905
		UNIVERSITY OF IOWA	W000574145		
		UNIVERSITY OF IOWA	W000741745		
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF IOWA	W000873945/1001713614		61,521
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF TEXAS SOUTHWEST MEDICAL CENTR OF DALLAS	150118		216,554
LUNG DISEASES RESEARCH	93.838	XEMED LLC	2R44HL117337-3_MU		87,583
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	COLUMBIA UNIVERSITY	1(GG012460)		71,013
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	DUKE UNIVERSITY	203-5349		113,983
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	EMMYON INC	N/A		14,659
		CASE WESTERN UNIVERSITY	RESS08613		
		CASE WESTERN UNIVERSITY	RESS09467		
		CASE WESTERN UNIVERSITY	RESS10017		
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	CASE WESTERN UNIVERSITY	RESS11122		158,492
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	CASE WESTERN UNIVERSITY	RESS11904		
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	EMORY UNIVERSITY	T521105		142,423
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	LURIE CHILDREN'S HOSPITAL OF CHICAGO	PRIME R01DK090030		222
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	MAYO CLINIC	UNI-203449		33,053
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	TUFTS UNIVERSITY	4U01DK098245		
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	TUFTS UNIVERSITY	POS011759		79,079
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF FLORIDA	UFDSP00010752		16,313
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF SOUTH FLORIDA	6119-1276-00-X		(612)
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		37,922
		WASHINGTON UNIVERSITY	WU-14-103-MOD-2		
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	WASHINGTON UNIVERSITY	WU-17-184		137,293
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.853	BRIGHAM AND WOMENS HOSPITAL	112118		109,113
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	KANSAS STATE UNIVERSITY	R21AI113552		3,582
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	LOUISIANA STATE UNIVERSITY	14-17-108		
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	LOUISIANA STATE UNIVERSITY	16-17-104		240,087
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	ROCKEFELLER UNIVERSITY	5R01AI099284-05		114,370
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	TECHSHOT, INC	N/A		170,781
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	B-TECH CONSULTING	2R44GM097902		54,047
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	DONALD DANFORTH PLANT SCIENCE CENTER	N/A		5,985
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	LAWRENCE BERKELEY NATIONAL LABORATORY	7115870		93,241
		SCRIPPS RESEARCH INSTITUTE	5-52462		
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	SCRIPPS RESEARCH INSTITUTE	5-52934		109,208
		ST LOUIS UNIVERSITY	ERS 37360		
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	ST LOUIS UNIVERSITY	ERS 39099		158,278
		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE			
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	INC	ZAF00010		20,182
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF MICHIGAN	3002869733		7,844
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF NEBRASKA LINCOLN	24-6230-0152-002		107,164
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF UTAH	10027535-15-M		124,916
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	JOHNS HOPKINS UNIVERSITY	2002181008		46,109
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	LEHIGH UNIVERSITY	543567-78001		45,401
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF PITTSBURGH	0038508(125093-1)		16,188
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF VIRGINIA	GB10325 151803		33,215
AGING RESEARCH	93.866	EMMYON INC	N/A		355
AGING RESEARCH	93.866	INDIANA UNIVERSITY	IR01AG052493		4,562
AGING RESEARCH	93.866	NORTHWESTERN UNIVERSITY	60040682 UMC		7,330
AGING RESEARCH	93.866	UNIVERSITY OF NORTH TEXAS	RN0088-2013-001		164,612
AGING RESEARCH	93.866	WASHINGTON UNIVERSITY	IR1AG053303		62,284
VISION RESEARCH	93.867	UNIVERSITY OF NORTH TEXAS	IR01EY027005		199,952
MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870	CHILDREN'S MERCY HOSPITAL	16-0011		39,628
MEDICAL LIBRARY ASSISTANCE	93.879	UNIVERSITY OF UTAH	10039576-04		148,771

University of Missouri System
 Schedule of Expenditures of Federal Awards
 Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
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	\$ -	\$ 41,568
HIV EMERGENCY RELIEF PROJECT GRANTS	93.914	NEXTGEN REVENUE-CYCLE-MANAGEMENT SERVICES	N/A	-	8,461
COOPERATIVE AGREEMENTS FOR STATE-BASED COMPREHENSIVE BREAST AND CERVICAL CANCER EARLY DETECTION PROGRAMS	93.919	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC13380001	-	(635)
HEALTHY START INITIATIVE	93.926	MATERNAL AND CHILD HEALTH COALITION	N/A	-	109,175
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380096	234	5,703
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC14380052		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC14380093		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380257		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380048		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380151		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380022		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	C312161005		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH160016001		
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	N/A	-	452,017
		CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	DPHM1-000055263		
		CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	DPHM1-000058636		
		CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	DPHM1-000059496		
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	CONNECTICUT DEPARTMENT OF PUBLIC HEALTH	DPHM1-000058135	-	43,629
		IOWA DEPARTMENT OF HEALTH	5886MH41		
		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	-	26,808
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380250	-	55,046
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	RHODE ISLAND DEPARTMENT OF ADMINISTRATION	N/A	-	50,268
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	STATE OF FLORIDA	ACB6CA	-	320
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	STATE OF FLORIDA	AF436E	-	19,862
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	STATE OF MONTANA	17-07-5-01-300-0	-	23,749
BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE	93.959	ACT MISSOURI	N/A	-	1
BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE	93.959	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098	-	511,744
PPHF GERIATRIC EDUCATION CENTERS	93.969	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC11380234 TA17707	-	33,034
COOPERATIVE AGREEMENTS FOR STATE-BASED DIABETES CONTROL PROGRAMS AND EVALUATION OF SURVEILLANCE SYSTEMS	93.988	STATE OF MONTANA	15-07-1-01-022-0	-	266,326
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	MINNESOTA DEPARTMENT OF HEALTH	66561	-	40,336
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	CS170220009	-	8,360
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH160016001		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH1616B0001		
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH170007001	-	15,014
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC14380012		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC14380093		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380095		
		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	C313163002		
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	C313163002-002	-	143,815
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	C314051003		
NEEDS ASSESSMENT FOR LEAD POISONING IN JACKSON AND CLAY COUNTIES IN MO AND WYANDOTTE AND JOHNSON COUNTIES IN KS	93.RD	CHILDREN'S MERCY HOSPITAL	N/A	-	5,820
PRECLINICAL COMPARISON OF THREE INDENOISOQUINOLINES CANDIDATES IN TUMOR-BEARING DOGS	93.RD	LEIDOS INC	14X103	-	10,833
SPRINT TRAVEL GRANT - HOSPICE CAREGIVING RESEARCH NETWORK	93.RD	VENTUREWELL	N/A	-	15,545
TA AND TRAINING ON WOMEN AND FAMILIES IMPACTED BY SUBSTANCE USE	93.U01	ADVOCATES FOR HUMAN POTENTIAL INC	7252.00-SAMHSA-WOMEN	-	4,233
COMPREHENSIVE PATIENT SAFETY AND MEDICAL LIABILITY COMMUNICATION	93.U02	HEALTH RESEARCH AND EDUCATIONAL TRUST	80323	-	738
MISSOURI HEALTHNET DATA PROJECT	93.U03	MISSOURI DIVISION OF MEDICAL SERVICES	AOC15380036	-	91,865
NATIONAL NETWORK OF LIBRARIES OF MEDICINE	93.U04	UNIVERSITY OF UTAH	10019930-04	-	(212)
DEPARTMENT OF HEALTH AND HUMAN SERVICES PASS THROUGH PROGRAMS TOTAL				789,507	18,726,367
DEPARTMENT OF HEALTH AND HUMAN SERVICES TOTAL				8,449,054	112,809,409
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE CORPORATION FOR NATIONAL AND COMMUNITY SERVICE DIRECT PROGRAMS				-	517,458
AMERICORPS	94.006			-	517,458
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE DIRECT PROGRAMS TOTAL				-	517,458
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE PASS THROUGH PROGRAMS				-	153,556
AMERICORPS	94.006	JUMPSTART	500200	-	1,009
SOCIAL INNOVATION FUND	94.019	PATHWAYS FUND - NEW PROFIT INC.	N/A	-	1,009
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE PASS THROUGH PROGRAMS TOTAL				-	154,565
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE TOTAL				-	672,023
EXECUTIVE OFFICE OF THE PRESIDENT EXECUTIVE OFFICE OF THE PRESIDENT PASS THROUGH PROGRAMS				-	-

University of Missouri System
Schedule of Expenditures of Federal Awards
Year Ended June 30, 2017

Federal Grantor/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Amount Passed Through to Sub-Recipients	Total Federal Expenditures
INTERGOVERNMENTAL PERSONNEL ACT AGREEMENT EXECUTIVE OFFICE OF THE PRESIDENT TOTAL	95.U01	COUNCIL OF ECONOMIC ADVISERS	N/A	\$ - \$	115,724 <u>115,724</u>
DEPARTMENT OF HOMELAND SECURITY					
DEPARTMENT OF HOMELAND SECURITY DIRECT PROGRAMS					
STATE FIRE TRAINING SYSTEMS GRANTS	97.043			-	(193)
ASSISTANCE TO FIREFIGHTERS GRANT	97.044			-	<u>155,477</u>
DEPARTMENT OF HOMELAND SECURITY DIRECT PROGRAMS TOTAL					
DEPARTMENT OF HOMELAND SECURITY PASS THROUGH PROGRAMS					
NATIONAL DAM SAFETY PROGRAM	97.041	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	-	65,866
EMERGENCY MANAGEMENT PERFORMANCE GRANTS	97.042	STATE EMERGENCY MANAGEMENT AGENCY	2080160001	-	41,300
CENTERS FOR HOMELAND SECURITY	97.061	KANSAS STATE UNIVERSITY	S15080	-	36,068
HOMELAND SECURITY GRANT PROGRAM	97.067	EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	49587005-MUFRT1-012716	-	10,300
NATIONAL NUCLEAR FORENSICS EXPERTISE DEVELOPMENT PROGRAM	97.130	UNIVERSITY OF SOUTH CAROLINA	15-2858	-	48,599
DEPARTMENT OF HOMELAND SECURITY PASS THROUGH PROGRAMS TOTAL					
DEPARTMENT OF HOMELAND SECURITY TOTAL					
				-	<u>357,417</u>
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT					
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT DIRECT PROGRAMS					
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001			-	2,925
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT DIRECT PROGRAMS TOTAL					
				-	<u>2,925</u>
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT PASS THROUGH PROGRAMS					
ADAPTATION OF SOYBEAN IN TROPICAL CLIMATES FOR SMALLHOLDER FARMERS	98.U02	PURDUE UNIVERSITY	8000069611	-	16,255
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	-	9,294
USAID AGRICULTURE AND RURAL DEVELOPMENT SUPPORT	98.U01	CHEMONICS INTERNATIONAL INC	SUB-325	-	2,737
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	LINC LLC	LINC-SUB-UM-17-0001	-	2,974
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	MICHIGAN STATE UNIVERSITY	RC102095BHEARD	-	56,847
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	PENNSYLVANIA STATE UNIVERSITY	4933-UM-AID-0077	-	88,244
		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	70,505	342,760
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT PASS THROUGH PROGRAMS TOTAL					
				70,505	519,111
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT TOTAL					
				70,505	<u>522,036</u>
TOTAL EXPENDITURES OF FEDERAL AWARDS				<u>\$ 24,016,659</u>	<u>\$ 746,907,654</u>

University of Missouri System
Schedule of Expenditures of Federal Awards
Summary of Program Clusters
Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
CCDF CLUSTER				
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	COLUMBIA PUBLIC SCHOOLS	N/A	\$ 54,173
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	331,631
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380146	
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380011	
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380146	
		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC15380293	
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575	MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC17380029	2,046,516
CHILD CARE MANDATORY AND MATCHING FUNDS OF THE CHILD CARE AND DEVELOPMENT FUND	93.596	MISSOURI DEPARTMENT OF SOCIAL SERVICES	DC11-02863 (CCDF)	7,179
CCDF CLUSTER TOTAL				<u>\$ 2,439,499</u>
DRINKING WATER STATE REVOLVING FUND CLUSTER				
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS	66.468	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	\$ 84,882
DRINKING WATER STATE REVOLVING FUND CLUSTER TOTAL				<u>\$ 84,882</u>
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER				
		MISSOURI DEPARTMENT OF TRANSPORTATION	OJT FY 17001	
		MISSOURI DEPARTMENT OF TRANSPORTATION	OJT FY16001	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201601	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TTY1101	\$ 501,850
HIGHWAY PLANNING AND CONSTRUCTION CLUSTER TOTAL				<u>\$ 501,850</u>
HIGHWAY SAFETY CLUSTER				
		MISSOURI DEPARTMENT OF TRANSPORTATION	16-CP-09-002	
		MISSOURI DEPARTMENT OF TRANSPORTATION	16-DE-02-004	
		MISSOURI DEPARTMENT OF TRANSPORTATION	16-RS-11-0033	
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-CP-09-005	
		MISSOURI DEPARTMENT OF TRANSPORTATION	17-DE-02-003	
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	MISSOURI DEPARTMENT OF TRANSPORTATION	17-EM-02-001	\$ 619,734
HIGHWAY SAFETY CLUSTER TOTAL				<u>\$ 619,734</u>
MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING CLUSTER				
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES		
		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC13380090	
		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	
			DH1616B0001	\$ 304,660
MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING GRANT PROGRAM	93.870	CHILDREN'S MERCY HOSPITAL	16-0011	39,628
MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING CLUSTER TOTAL				<u>\$ 344,288</u>
MEDICAID CLUSTER				
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC02380105	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC12380077	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC13380059	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC14380047	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380086	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380086	
		MISSOURI DEPARTMENT OF MENTAL HEALTH	ERO19912005	
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	ERO19912002	\$ 1,151,003
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DIVISION OF MEDICAL SERVICES	AOC15380036	(3,910)
MEDICAID CLUSTER TOTAL				<u>\$ 1,147,093</u>
RESEARCH AND DEVELOPMENT				
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	CRDF GLOBAL	DAA3-17-62988-1	\$ 954
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001			3,112,514
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025			126,317
FEDERAL-STATE MARKETING IMPROVEMENT PROGRAM	10.156			40,628
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	LINCOLN UNIVERSITY	2015-3570	4,956
			14-SCBGP-MO-0029	
		MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP00003	
		MISSOURI DEPARTMENT OF AGRICULTURE	PROJECT 7	
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	MISSOURI DEPARTMENT OF AGRICULTURE	N/A	47,248
COOPERATIVE FORESTRY RESEARCH	10.202			663,984
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203			6,095,544
ANIMAL HEALTH AND DISEASE RESEARCH	10.207			212
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215	UNIVERSITY OF MINNESOTA	H004991229	9,632
		LINCOLN UNIVERSITY	2014-3555	
		LINCOLN UNIVERSITY	2014-3556	
		LINCOLN UNIVERSITY	2014-3560	
		LINCOLN UNIVERSITY	3529A	188,873
1890 INSTITUTION CAPACITY BUILDING GRANTS	10.216			
SECONDARY AND TWO-YEAR POSTSECONDARY AGRICULTURE EDUCATION CHALLENGE GRANTS	10.226	MISSOURI BOTANICAL GARDENS	N/A	3,772
AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS	10.250			102,842
		UNIVERSITY OF KENTUCKY	3048110944-15-178	
CONSUMER DATA AND NUTRITION RESEARCH	10.253	UNIVERSITY OF KENTUCKY	58-5000-3-0066	52,296
CONSUMER DATA AND NUTRITION RESEARCH	10.253			39,190
RESEARCH INNOVATION AND DEVELOPMENT GRANTS IN ECONOMIC (RIDGE)	10.255	RIDGE CENTER FOR TARGETED STUDIES	8000069782	16,749
RESEARCH INNOVATION AND DEVELOPMENT GRANTS IN ECONOMIC (RIDGE)	10.255	UNIVERSITY OF WISCONSIN - MADISON	613K756	28,898

University of Missouri System
 Schedule of Expenditures of Federal Awards
 Summary of Program Clusters
 Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
AGRICULTURAL MARKET AND ECONOMIC RESEARCH	10.290		\$	49,923
AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS	10.291			1,300,374
INTEGRATED PROGRAMS	10.303			26,668
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307			232,368
SPECIALTY CROP RESEARCH INITIATIVE	10.309			41,310
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	AUBURN UNIVERSITY	13-AGR-373036-UM	1,199
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	INDIANA UNIVERSITY	BL-4339916-UM	149
		IOWA STATE UNIVERSITY	416-40-63H	
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	IOWA STATE UNIVERSITY	416-41-54A	57,424
		LINCOLN UNIVERSITY	2014-3553	
		LINCOLN UNIVERSITY	3537A	55,656
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	LOUISIANA STATE UNIVERSITY	100075	52,637
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	MISSISSIPPI STATE UNIVERSITY	012000.321736.02	149
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	NORTH CAROLINA STATE UNIVERSITY	2015-0097-01	37,414
		TEXAS A&M UNIVERSITY	06-S160685	
		TEXAS A&M UNIVERSITY	S110071	27,646
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF ARKANSAS	UA AES 91137-02	13,948
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF GEORGIA	RC294-343/S001056	77,743
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF NEBRASKA - LINCOLN	25-1215-0117-002	113,079
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF WISCONSIN - MADISON	627K152	78,291
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	UNIVERSITY OF WYOMING	1003080A - MISSOURI	29,544
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	VIRGINIA TECH	422262-19228	20,373
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	WASHINGTON STATE UNIVERSITY	130160_G003742	1,105
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310			4,397,778
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311	UNIVERSITY OF ARKANSAS	UA AES 91132-02	25
CAPACITY BUILDING FOR NON-LAND GRANT COLLEGES OF		MISSOURI STATE UNIVERSITY	16041-001	
AGRICULTURE (NLGCA)	10.326	MISSOURI STATE UNIVERSITY	16161-001	70,869
RURAL BUSINESS DEVELOPMENT GRANT	10.351			87
FARM OPERATING LOANS	10.406			6,419
FORESTRY RESEARCH	10.652			3,828
COOPERATIVE FORESTRY ASSISTANCE	10.664	UNIVERSITY OF TENNESSEE	8500054521	10,743
FOREST HEALTH PROTECTION	10.680			25,641
PARTNERSHIP AGREEMENTS	10.699			17,352
SOIL AND WATER CONSERVATION	10.902			104,368
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912			117,789
WILDLIFE HABITAT INCENTIVE PROGRAM	10.914			15,624
CONSERVATION STEWARDSHIP PROGRAM	10.924			23,005
ADULT SURVIVAL VIABILITY OF A GOLDEN-CHEEKED WARBLER				
POP	10.RD		16-JV-11242311-044	22,684
AGENT-BASED MODELING OF PRIVATE LANDOWNERS	10.RD		12-JV-11242305-070	2,432
AGROFORESTRY AS A CLIMATE CHANGE MITIGATION AND				
ADAPTATI	10.RD		13-JV-11330152-058	1,189
APPLIED HISTORICAL ECOLOGY OF FIRE IN REMNANT PINE FORES	10.RD		14-JV-11242302-143	187
CHARACTERIZING AND COMPARING OAK FORESTS IN COLOMBIAN				
HI	10.RD		12-JV-11242311-072	14,961
COMBINING LANDIS-II AND LANDIS-PRO INTO A COMMON				
FRAMEWO	10.RD		14-JV-11242311-116	63,752
COMPARING THE EFFECTS OF PRESCRIBED BURNING AND THINNING	10.RD		14-JV-11242311-122	23,643
DEVELOPING A STRATEGY AND PROTOCOLS FOR MONITORING OAK				
R	10.RD		12-CS-11242311-141	20,896
DEVELOPING HISTORIC FIRE REGIMES IN THE EASTERN REGION R9	10.RD		16-JV-11242311-046	17,407
ECONOMIC IMPLICATIONS OF LANDSCAPE-SCALE FOREST DISTURBA	10.RD		13-JV-11242311-063	70
EFFECTS OF CLIMATE CHANGE, DROUGHT AND INSECTS ON OAK PI	10.RD		14-JV-11330134-049	20,304
EFFECTS OF FUELS TREATMENTS ON REDUCTION OF FIRE RISK AN	10.RD		14-JV-11242311-123	11,103
EFFECTS OF FUELS TREATMENTS ON REDUCTION OF FIRE RISK AN	10.RD		14-JV-11242311-131	14,795
EFFECTS OF SAVANNA-WOODLAND RESTORATION ON BAT				
ABUNDANCE	10.RD		12-JV-11242311-068	27,165
EFFECTS OF STAND DENSITY AND COMPOSITION ON MITIGATION A	10.RD		14-JV-11242311-065	28,252
FIRE HISTORY FOR MANAGERS IN EASTERN NORTH AMERICA	10.RD		11-JV-11242311-054	(1)
FIRE RESTORATION BAT MONITORING AND HABITAT MODELING	10.RD		15-CS-11051100-008	43,185
FORECASTING LANDSCAPE CHANGE UNDER SAVANNAH AND				
WOODLAND	10.RD		12-JV-11242311-091	67,352
GENETIC VARIATION IN ADAPTIVE TRAITS TO REDUCED LIGHT FO	10.RD		14-JV-11242311-073	(14,058)
HABITAT AND LANDSCAPE EFFECTS ON BIRD DEMOGRAPHICS	10.RD		14-JV-11242311-059	9,628
IMPACTS OF WNS: EASTERN BAT SPECIES	10.RD		11-JV-11242311-099	32,619
INTEGRATED DISEASE MANAGEMENT FOR WHITE-NOSE SYNDROME	10.RD		16-JV-11242311-118	85,373
LOCALIZED SPATIAL ESTIMATION OF FOREST ATTRIBUTES IN THE	10.RD		12-JV-11242305-120	46,852
MILL CREEK WATERSHED ASSESSMENT	10.RD		12-PA-11090500-018	18,882
MISSISSIPPI RIVER BASIN HEALTHY WATERSHED INITIATIVE (MR	10.RD	C&J PATKE FAMILY LP	2008 746424112K5	(165)
MISSISSIPPI RIVER BASIN HEALTHY WATERSHED INITIATIVE (MR	10.RD	TRIPLETT FARMS INC	2008 746424112KN	12,428
MISSISSIPPI RIVER BASIN HEALTHY WATERSHED INITIATIVE (MR	10.RD	ALITA ANN JOHNSON REVOCABLE TRUST	2008 7464241154S	901
MODELING FIRE-INDUCED TREE MORTALITY FOR EASTERN				
HARWOOD FORESTS	10.RD		16-JV-11242311-076	19,625
MORPHOLOGICAL CHARACTERIZATION OF HICKORY AND BLACK				
WALN	10.RD		14-JV-11242311-063	2,765
MRBI STUDY - GLADB	10.RD	GLADBACH, RICKY JAMES	2008 746424106XT	4,012
MRBI STUDY - MECHLIN	10.RD	MECHLIN, MARY E	2008 746424112JR	2
MRBI STUDY - MORRIS	10.RD	ORA CLAY MORRIS JR	N/A	197
MRBI STUDY - TRUST	10.RD	GV & JS GLADBACH TRUST	2008 746424106Z1	1,742

University of Missouri System
 Schedule of Expenditures of Federal Awards
 Summary of Program Clusters
 Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
OAK WOODLANDS & FOREST FIRE CONSORTIUM	10.RD		16-JV-11242311-074	\$ 72,739
OAK WOODLANDS & FORESTS FIRE CONSORTIUM	10.RD		14-JV-11242311-095	4,077
POPULATION ESTIMATE FOR BLACK-BACKED WOODPECKERS (PICOID)	10.RD		14-JV-11221632-104	32,447
RECRUITMENT DYNAMICS IN NATURALLY REGENERATED LONGLEAF P	10.RD		15-JV-11330123-051	8,024
RESPONSE OF SONGBIRDS TO PINE SAVANNA AND WOODLAND RESTO	10.RD		13-CR-11242311-047	49,408
RUPRI TECHNICAL ASSISTANCE TO EASTERN KENTUKY'S SOAR INITIATIVE	10.RD		RBS-14-01	(2,483)
SCAR CLOSURE FROM PRESCRIBED FIRE IN OAK	10.RD		14-JV-11242316-061	2,167
SONGBIRD DEMOGRAPHIC RESPONSES TO LANDSCAPE AND CLIMATE	10.RD		14-CR-11242311-064	23,969
THE SURVIVAL AND PERFORMANCE OF IMPROVED SHORTLEAF PINE SEEDLINGS	10.RD		16-JV-11242311-080	8,161
TREE REGENERATION ADEQUACY METRICS FOR THE CENTRAL STATE	10.RD		15-JV-11242311-090	52,456
ECONOMIC ADJUSTMENT ASSISTANCE	11.307			28,523
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS	11.609			238,565
COLLABORATIVE RESEARCH AND DEVELOPMENT	12.114			151,665
ELECTRONIC ABSENTEE SYSTEMS FOR ELECTIONS	12.217	BOONE COUNTY	N/A	(27)
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	INNOVATIVE VETERINARY MEDICINE INC	7001-03	3,344
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	RADIATION DETECTION TECH INC	N00014-15-P-1181	19,644
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300			1,592,106
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	BROWN UNIVERSITY	00000683	10,439
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	PENNSYLVANIA STATE UNIVERSITY	5015-MUST-STRA-0085	(7,576)
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	UNIVERSITY OF TENNESSEE	A16-0325-S001	123,522
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351			634,346
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	COLUMBIA UNIVERSITY	1GG009710	114,736
		FOUNDATION FOR ADVANCING VETERANS HEALTH RESEARCH	PUGDODEP150013-UMSL	
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	FOUNDATION FOR ADVANCING VETERANS HEALTH RESEARCH	ROYALLDOD/UMO 3671	84,317
		HENRY M JACKSON FOUNDATION	825012	97,829
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	HENRY M JACKSON FOUNDATION	61151604 - 118921	72,755
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	STANFORD UNIVERSITY	PT108802-SCI07143	220,740
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	VIRGINIA COMMONWEALTH UNIVERSITY		1,945,040
BASIC SCIENTIFIC RESEARCH	12.431	UNIVERSITY OF CALIFORNIA LOS ANGELES	1000 G TE691	189,743
BASIC SCIENTIFIC RESEARCH	12.431	UNIVERSITY OF MARYLAND	31590-Z8415101	78,690
BASIC SCIENTIFIC RESEARCH	12.431			2,201,240
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	AUDUBON MISSOURI	N/A	1,794
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	CATERPILLAR INC	0044273	171,573
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630			63,274
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	ARRAY INFO TECH	SUB A016-2014 0047369	36,850
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	EWI	0048952	28,824
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	INDIANA UNIVERSITY	BL-4331206-MST	30,029
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	INTELLIGENT FUSION TECHNOLOGIES	010-2	(91,075)
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	OHIO STATE UNIVERSITY	60051333	19,979
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF CALIFORNIA LOS ANGELES	1000 G TC133	33,083
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	086337-16354	19,823
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	UNIVERSITY OF NEW HAMPSHIRE	16-053	49,389
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800			1,471,892
MATHEMATICAL SCIENCES GRANTS PROGRAM	12.901			23,872
GENCYBER GRANTS PROGRAM	12.903			104,086
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910			64
A FULLY INTEGRATED MEMBRANE BIOREACTOR SYSTEM FOR WASTEW	12.RD	UNIVERSITY OF SOUTHERN CALIFORNIA	59843551	74,426
ACUTE MRI CHANGES IN ASSOCIATION WITH A SINGLE HYPOBARIC ADDITIVE MANUFACTURING OF GRIN OPTICS	12.RD	WYLE LAB INC	T72708	91,026
	12.RD		FA8650-16-C-5412	55,549
ASSESS T-CELL MEDIATED IMMUNOGENICITY AND CLINICAL PROTE	12.RD		N32398-13-P-0354	6
CASTING AND ADVANCED STEEL TECHNOLOGY (CAST)	12.RD	STEEL FOUNDERS' SOCIETY OF AMERICA	CAST-001	37,567
COMPACT 500KV, HIGH ENERGY DENSITY CAPACITOR FOR PULSED POWER APPLICATIONS	12.RD	ADVANCED TECH INTL	DOTC-17-01-INIT0115	124,277
COMPACT HIGH POWER, NANODIELECTRIC MICROWAVE ANTENNA FOR MAN PORTABLE SYSTEMS	12.RD	ADVANCED TECH INTL	DOTC-14-06-INIT006	(2,813)
DELAY TOLERANT NETWORK SOFTWARE AND HEARDWARE SYSTEM	12.RD		FA8750-16-C-0148	76,090
DESIGN AND PROTOTYPING OF A REAL-TIME MILLIMETER WAVE COMPRESSIVE SENSING IMAGER	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	A7605-400-16-SC1608	212,078
DEVELOPMENT AND TESTING OF AN AUTONOMOUSLY CONTROLLED ROTATING CROSS PARACHUTE	12.RD	THE CHARLES STARK DRAPER LABORATORY, INC	W911QY-15-C-0006	60,891
DEVELOPMENT OF HIGH ENERGY DENSITY CAPACITORS FOR MAN-PO	12.RD	ADVANCED TECH INTL	DOTC-14-06-INIT005	131,970
FORT LEONARD WOOD AUTOMOMOUS VEHICLE PILOT PROJECT PLANNING: TRANSPORT ROUTES AND MATERIAL DELIVERY SCHEDULES	12.RD	ROBOTIC RESEARCH LLC	SUB2017-MST-012-FTLW	4,403
GEOINT DATA SERVICES (GDS) - FOUNDATION GEOINT CONTENT MANAGEMENT (FGCM)	12.RD	HARRIS CORPORATION	A000358080	(23,373)
HARRIS REGION A, DELIVERY ORDER 4 (BURMA)	12.RD	HARRIS CORPORATION	A000372688	81,438
HARRIS REGION C COSTING PROPOSAL	12.RD	HARRIS CORPORATION	A000332424	41,046
IFSP - OPTION YEAR 3 (2015-2016)	12.RD	BOOZ ALLEN HAMILTON	105087SB0T	19,202
IFSP - OPTION YEAR 4 (2016-2017)	12.RD	BOOZ ALLEN HAMILTON	105087SB0T	31,706

University of Missouri System
Schedule of Expenditures of Federal Awards
Summary of Program Clusters
Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
IMPROVED HEAD-NECK FINITE ELEMENT MODEL FOR DYNAMIC HEAD IMPACT SIMULATION	12.RD	JOHNS HOPKINS UNIVERSITY	134558	\$ 19,870
INCORPORATION OF SURFACE RESIDUAL STRESS ENGINEERING INT	12.RD	BOEING CO	1110264	80,173
IPA AGREEMENT FOR MR. LEE BUNCH WITH DEPT OF ARMY (FLW)	12.RD		0048507	46,173
MANUFACTURING EFFICIENCY AND CAPABILITY: IMPROVEMENT OF FLOW PROPERTIES OF THERMAL BATTERY COMPONENT POWDERS	12.RD	CFD RESEARCH CORPORATION	20160532	11,617
MICROWAVE METHODOLOGY DEVELOPMENT FOR EVALUATING DEGRADA	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	A7119-400-12-SC1511	6,647
MULTIMODAL NONDESTRUCTIVE EVALUATION OF INTERNAL SURFACES OF HOLES IN STEEL STRUCTURES	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F7622-SC1636	30,000
MULTI-MODE MICROPROPULSION CUBESAT TECHNOLOGY DEMONSTRAT	12.RD	UTAH STATE UNIVERSITY	CP0039814	34,956
NEXT GENERATION NANO-ELECTRONIC CIRCUIT ELEMENTS USING GR	12.RD	NANO-ELECTROMAGNETICS LLC	N/A	47,945
NEXT GENERATION NANO-ELECTRONIC CIRCUIT ELEMENTS USING GR	12.RD	RADIATION DETECTION TECH INC	N/A	114,123
NEXT GENERATION NANO-ELECTRONIC CIRCUIT ELEMENTS USING GR	12.RD	TECHNICAL DATA ANALYSIS INC	N/A	26,751
NON-CHROMATE PASSIVATION FOR LHE ZNNI	12.RD		W912HQ-15-C-0065	11,203
NOVEL MULTI-SCALE/MULTI-PHYSICS INTEGRATED TOOL FOR THE ONBOARD WIDE AREA MOTION IMAGERY (WAMI) DETECTION AND TRACKING IN URBAN SCENES	12.RD	TECHNICAL DATA ANALYSIS INC	2038-001-01	28,000
RAPID AND RELIABLE IDENTIFICATION DETECTIONS OF COUNTERFEIT ELECTRONIC COMPONENTS	12.RD	KITWARE INC	K000977-00S02	(3,974)
REGION A DO19 LOT 1	12.RD	TEXAS RESEARCH INSTITUTE AT AUSTIN	F7623-SC1637	45,000
REGION C DO17 LOT 2	12.RD	HARRIS CORPORATION	A000388791	114,674
REGION C DO4 - COD	12.RD	HARRIS CORPORATION	A000396062	112,564
		HARRIS CORPORATION	A000385456	40,804
REGIONAL PHASE ATTENUATION ACROSS THE ZAGROS: A DETAILED RESEARCH AND DEVELOPMENT OF RESILIENT SOLAR CELL COVER GLASS BONDING	12.RD		FA9453-14-C-0216	103,851
RFID FOR METALLIC ENVIRONMENT	12.RD	APPLIED TECHNOLOGY ASSOCIATES	160300	85,354
SBIR ARMY'S PHASE I: PROPOSAL, RADIOLYTIC ATOMIC CELL FC	12.RD	TECHNICAL DATA ANALYSIS INC	N122-126	11,530
SBIR/STTR: ARMY'S PHASE II: SBIR PROPOSAL, RADIOLYTIC ATOMIC CELL FOR LONG-LIVED SENSORS	12.RD	INFINITY POWER LLC	A151-018-0600	10,321
SBIR: PHASE 2 TARGET BROKER COMPRESSION	12.RD	INFINITY POWER LLC	N/A	47,143
	12.RD	INTELLIGENT FUSION TECH	IFT032-02	46,505
SCALE UP OF DIELECTRIC FILMS FOR HIGH ENERGY DENSITY CAP SMDC EQUIPMENT RETURN	12.RD	GENERAL ATOMICS	4500054937	237,993
	12.RD		W9113M-09-C-0046	9,846
TESLA 9: SYSTEM LEVEL FAILURE PREDICTION FROM IC MODELS TRAJECTORY RECONSTRUCTION ALGORITHMS FOR CONSISTENT EVENT REGISTRATION (TRACER)	12.RD	VERUS RESEARCH	1020-001	35,271
VACCINE CANDIDATES FOR Q FEVER	12.RD	APPLIED TECHNOLOGY ASSOCIATES	160560	140,763
VACCINE CANDIDATES FOR Q FEVER	12.RD	TEXAS A&M UNIVERSITY	23-S142344 / M1402336	251,252
VACCINE CANDIDATES FOR Q FEVER	12.RD	TEXAS A&M UNIVERSITY	23-S142344/M1402336	(98,686)
VIRTUALLY GUIDED CERTIFICATION OF COMPUTER NUMERICALLY CONTROLLED MACHINE TOOLS VIA VIRTUAL TWIN	12.RD	BOEING CO	PC1330354	93,461
CHOICE NEIGHBORHOODS PLANNING GRANTS	14.892	H3 STUDIO INC	014/UD/WPH/001-006	(10,750)
HEALTHY HOMES TECHNICAL STUDIES GRANTS	14.906	CHILDREN'S MERCY HOSPITAL	13-0032	62,713
FISH, WILDLIFE AND PLANT CONSERVATION RESOURCE MANAGEMENT	15.231			18,408
WILDLAND FIRE RESEARCH AND STUDIES PROGRAM	15.232	UNIVERSITY OF TENNESSEE	8500038550	26,533
SPORT FISH RESTORATION PROGRAM	15.605	MISSOURI DEPARTMENT OF CONSERVATION	380	82,446
		MISSOURI DEPARTMENT OF CONSERVATION	339	
		MISSOURI DEPARTMENT OF CONSERVATION	357	
		MISSOURI DEPARTMENT OF CONSERVATION	369	
		MISSOURI DEPARTMENT OF CONSERVATION	373	
		MISSOURI DEPARTMENT OF CONSERVATION	377	1,248,233
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	PENNSYLVANIA GAME COMMISSION	PO4300410870	94,583
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611	STATE OF NEBRASKA	N/A	42,424
STATE WILDLIFE GRANTS	15.634	ARKANSAS GAME AND FISH COMMISSION	N/A	40,846
STATE WILDLIFE GRANTS	15.634	TEXAS PARKS & WILDLIFE DEPARTMENT	N/A	9,285
MIGRATORY BIRD JOINT VENTURES	15.637	MISSISSIPPI STATE UNIVERSITY	191000.331290.09	(6,526)
RESEARCH GRANTS (GENERIC)	15.650			43,848
NATURAL RESOURCE DAMAGE ASSESSMENT, RESTORATION AND IMPLEMENTATION	15.658			52,788
FISH AND WILDLIFE COORDINATION AND ASSISTANCE PROGRAMS	15.664	MISSOURI CONSERVATION HERITAGE FOUNDATION	N/A	23,462
			GPLCC/GCPLCC 2016-+01	
COOPERATIVE LANDSCAPE CONSERVATION	15.669	WILDLIFE MANAGEMENT INSTITUTE		41,804
ADAPTIVE SCIENCE	15.670	MISSISSIPPI STATE UNIVERSITY	191000.331341.01	2,583
ADAPTIVE SCIENCE	15.670	STATE OF NEBRASKA	N/A	18,541
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805			65,405
EARTHQUAKE HAZARDS RESEARCH GRANTS	15.807			(785)
U.S. GEOLOGICAL SURVEY RESEARCH AND DATA COLLECTION	15.808			73,172
COOPERATIVE RESEARCH UNITS PROGRAM	15.812			259,741
		UNIVERSITY OF MASSACHUSETTS	12 007036 E	
NATIONAL CLIMATE CHANGE AND WILDLIFE SCIENCE CENTER	15.820	UNIVERSITY OF MASSACHUSETTS	17-009638 A 00	192,971
NATURAL RESOURCE STEWARDSHIP	15.944			4,605
COOPERATIVE RESEARCH AND TRAINING PROGRAMS D RESOURCES OF THE NATIONAL PARK SYSTEM	15.945			125,571
RDX PHYTOFORENSIC SAMPLING IN TREE TISSUES	15.RD		G16PX00697	14,645
WATERFOWL HABITAT AND POPULATION MODELING TOOLS FOR HABITAT MANAGEMENT	15.RD	MISSOURI DEPARTMENT OF CONSERVATION	375	14,336
STATE JUSTICE STATISTICS PROGRAM FOR STATISTICAL ANALYSIS CENTERS	16.550	MISSOURI DEPARTMENT OF PUBLIC SAFETY	N/A	61,562

University of Missouri System
Schedule of Expenditures of Federal Awards
Summary of Program Clusters
Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560	MICHIGAN STATE UNIVERSITY	RC103369UMSL	\$ 8,994
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560	UNIVERSITY OF VIRGINIA	GG11811 147780	15,903
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560			515,497
SPECIAL DATA COLLECTIONS AND STATISTICAL STUDIES	16.734			85,386
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738	KANSAS CITY MISSOURI POLICE DEPARTMENT	2016-WY-BX-0006	29,882
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751	CITY OF ST LOUIS METRO POLICE DEPARTMENT	2016-DG-BX-K001	4,171
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817	CITY OF ST LOUIS DEPARTMENT OF HEALTH	HD CONTRACT #16-27	66,883
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817	KANSAS CITY METRO CRIME COMMISSION	N/A	7,642
ATF EXPLOSIVE ENGINEERING COURSES	16.RD		DJA-15-AHDQ-K-0184	419,909
PHELPS COUNTY SHERIFF DEPT DESIGN PROTOTYPE AND BUILD SHELVES	16.RD	PHELPS COUNTY SHERIFF'S DEPARTMENT	N/A	2,150
VICTIM-OFFENDER OVERLAP SURVEY (VOOS)	16.RD		2016-BJ-R-1280	54,570
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109			680,316
		IOWA STATE UNIVERSITY	17970	
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	IOWA STATE UNIVERSITY	17972	70,571
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	PARSONS BRINCKERHOFF INC	TASK ORDER NO. 03	43,479
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	PURDUE UNIVERSITY	4108-68289	4,862
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	SHANNON & WILSON INC	23-1-01565	36,478
		TRANSPORTATION RESEARCH BOARD	HR 20-05(47-03)	
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	TRANSPORTATION RESEARCH BOARD	NCHRP--179	22,575
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	WAYNE STATE UNIVERSITY	WSU14056	14,988
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200			80,154
HIGHWAY PLANNING AND CONSTRUCTION	20.205	EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	16221-MORAP-063016	137
		EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	16221-MORAP-063016	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	17221-MORAP-063017	100,000
HIGHWAY PLANNING AND CONSTRUCTION	20.205	HDR ENGINEERING INC	N/A	1,216
HIGHWAY PLANNING AND CONSTRUCTION	20.205	IOWA DEPARTMENT OF TRANSPORTATION	TPF-5(295) #19025	1,265
HIGHWAY PLANNING AND CONSTRUCTION	20.205	IOWA STATE UNIVERSITY	17118	11,706
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MARQUETTE UNIVERSITY	0092-16-01	35,197
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201417	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201515	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201518	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201605	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201612	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201613	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201614	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201615	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TR201616	321,970
		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	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201712	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201713	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201714	
		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201717	
HIGHWAY PLANNING AND CONSTRUCTION	20.205	MISSOURI DEPARTMENT OF TRANSPORTATION	TR201722	529,646
HIGHWAY PLANNING AND CONSTRUCTION	20.205	WISCONSIN DEPARTMENT OF TRANSPORTATION	0092-16-07	39,337
STATE AND COMMUNITY HIGHWAY SAFETY	20.600	MISSOURI DEPARTMENT OF TRANSPORTATION	16-DL-02-001	23,259
NATIONAL PRIORITY SAFETY PROGRAMS	20.616	MISSOURI DEPARTMENT OF PUBLIC SAFETY	NR812HP067000045	19,172
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	IOWA STATE UNIVERSITY	436-77-40	560,241
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701			833,196
PIPELINE SAFETY RESEARCH COMPETITIVE ACADEMIC AGREEMENT PROGRAM (CAAP)	20.724			61,383
TRANSPORTATION PLANNING, RESEARCH AND EDUCATION	20.931			47,429
ENHANCING SAFETY RISK MANAGEMENT WITH QUANTITATIVE MEASURES	20.RD	APPLIED RESEARCH ASSOCIATES INC	S-003057-00.UMO	16,957
EVALUATION OF ALTERNATIVE WORK ZONE SIGNING (TOPIC 3)	20.RD	TRANSPORTATION RESEARCH BOARD	HR 12-104	78,430
NCHRP 12-104: GUIDELINES TO IMPROVE THE QUALITY OF ELEMENT-LEVEL BRIDGE INSPECTION DATA	20.RD	UNIVERSITY OF HAWAII	MA1239	16,768
NCHRP18-17 ENTRAINED AIR VOID SYSTEM FOR DURABLE HIGHWAY CONCRETE	20.RD	IOWA STATE UNIVERSITY	428-17-14A	53,016
RUNWAY CONDITION INDEX STUDY FOR STATE FUNDED AIRPORTS	20.RD	VIGINIA SPACE GRANT CONSORTIUM	N/A	2,290
SLOPE INSTRUMENTATION AND DEVELOPMENT OF A LANDSLIDE WARNING SYSTEM	20.RD	UNIVERSITY OF WISCONSIN - MADISON	604K085	21,019
FAIR COMPETITION COUNSELING AND INVESTIGATION OF COMPLAINTS	36.001			135
		JET PROPULSION LAB	1515795	
		JET PROPULSION LAB	1541372	
		JET PROPULSION LAB	1545559	
		JET PROPULSION LAB	1549171	
SCIENCE	43.001	JET PROPULSION LAB	RSA 1563602	54,733
SCIENCE	43.001	SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO6-17130X	37,430
SCIENCE	43.001	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-12060.46-A	(344)
SCIENCE	43.001	UNIVERSITY OF FLORIDA	NNX12AE15G	(5,706)
SCIENCE	43.001			318,589
EXPLORATION	43.003			33,578
EDUCATION	43.008	NATIONAL INSTITUTE OF AEROSPACE	C16-2B00-MST	3,241
EDUCATION	43.008	WICHITA STATE UNIVERSITY	WSUSUB10430	53,693
EDUCATION	43.008			696,240
CROSS AGENCY SUPPORT	43.009			202,861
SPACE TECHNOLOGY	43.012			246,744
A LENSING STUDY OF IDCS J1426.5+3508: A MASSIVE GALAXY CLUSTER AT Z=1.75	43.RD	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-12994.07-A	574
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	22,257

University of Missouri System
Schedule of Expenditures of Federal Awards
Summary of Program Clusters
Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
MULTIDISCIPLINARY ANALYSIS AND OPTIMIZATION OF INTEGRATED SPACECRAFT SYSTEM MODELS	43.RD	JET PROPULSION LAB	1474528	\$ 2,154
QUANTIFYING VARIATIONS OF TROPICAL FOREST STRUCTURE AND BIOMASS ALONG ALTITUDINAL GRADIENT	43.RD	M4 ENGINEERING INC	00049606	7,882
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	12,850
PROMOTION OF THE HUMANITIES_RESEARCH	45.161			65,822
PROMOTION OF THE HUMANITIES_TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT	45.162			32,387
ENGINEERING GRANTS	47.041	BROWN UNIVERSITY	00000653	(9,193)
ENGINEERING GRANTS	47.041	CARNEGIE MELLON UNIVERSITY	1122191-351314	40,453
ENGINEERING GRANTS	47.041	EQUINOSIS LLC	N/A	4,516
ENGINEERING GRANTS	47.041	GEORGE WASHINGTON UNIVERSITY	15-S31	8,888
ENGINEERING GRANTS	47.041	IMPEDX DIAGNOSTICS	N/A	10,551
ENGINEERING GRANTS	47.041	INNERVO TECH LLC	001	4,631
ENGINEERING GRANTS	47.041	MIHRAB NANOTECHNOLOGY LLC	1622881	63,846
ENGINEERING GRANTS	47.041	MISSISSIPPI STATE UNIVERSITY	060100.362600.01	20,843
ENGINEERING GRANTS	47.041	NORTH CAROLINA STATE UNIVERSITY	2008-1015-03	332,295
ENGINEERING GRANTS	47.041	RUTGERS UNIVERSITY	SUB00000002	31,108
ENGINEERING GRANTS	47.041	SMART HEALTH BEACONS	IIP-1648907	25,274
ENGINEERING GRANTS	47.041	THERMOFLOW LABORATORIES	N/A	39,513
ENGINEERING GRANTS	47.041	TUFTS UNIVERSITY	100854-00001	47,831
ENGINEERING GRANTS	47.041	UNIVERSITY OF ALABAMA	UA14-050	40,164
ENGINEERING GRANTS	47.041	UNIVERSITY OF ARKANSAS	SA1610096	77,398
ENGINEERING GRANTS	47.041	UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION	ULRF 16-1120-01	3,138
ENGINEERING GRANTS	47.041	UNIVERSITY OF TEXAS ARLINGTON	26-1005-6561	11,307
ENGINEERING GRANTS	47.041	UNIVERSITY OF WASHINGTON	UWSC8873	29,538
ENGINEERING GRANTS	47.041	WORCESTER POLYTECHNIC INSTITUTE	16-204140-01	38,686
ENGINEERING GRANTS	47.041			3,799,111
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	BRIGHAM YOUNG UNIVERSITY	16-0472	6,220
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	CATHOLIC UNIVERSITY OF AMERICA	AST-1211362	973
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	NORTHWESTERN UNIVERSITY	SP0013743-PROJ000365	26,263
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	VIRGINIA TECH UNIVERSITY	479342-19228	75,187
MATHEMATICAL AND PHYSICAL SCIENCES	47.049			3,445,653
GEOSCIENCES	47.050	CONSORTIUM FOR OCEAN LEADERSHIP	T348A58	2,376
GEOSCIENCES	47.050	UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	FY2015-091	2,178
GEOSCIENCES	47.050			1,404,518
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	BBN TECHNOLOGIES CORP.	14563	20
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	NEW JERSEY INSTITUTE OF TECHNOLOGIES	996634	11,507
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	RAYTHEON BBN TECHNOLOGIES	1937	68,001
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	WRIGHT STATE UNIVERSITY	PO# P0025758	7,261
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070			2,445,876
BIOLOGICAL SCIENCES	47.074	CARY INSTITUTE OF ECOSYSTEM STUDIES	3335/200201871	2,551
BIOLOGICAL SCIENCES	47.074	COLORADO STATE UNIVERSITY	G-4023-1	104,717
BIOLOGICAL SCIENCES	47.074	CORNELL UNIVERSITY	67183-10109	126,477
BIOLOGICAL SCIENCES	47.074	HAUPTMAN-WOODWARD MEDICAL RESEARCH INSTITUTE INC	6200	18,347
BIOLOGICAL SCIENCES	47.074	INSTITUTE OF ECOSYSTEM STUDIES	3161/200201409	10,919
BIOLOGICAL SCIENCES	47.074	ST LOUIS UNIVERSITY	ERS# 39493	35,767
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF GEORGIA	RC371-288/S000904	
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF GEORGIA	RR167-629/S000817	540,865
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF MINNESOTA	H004551101	43,728
BIOLOGICAL SCIENCES	47.074	UNIVERSITY OF RHODE ISLAND	4451/102615	126,958
BIOLOGICAL SCIENCES	47.074	WASHINGTON STATE UNIVERSITY	118996 G003358	90,131
BIOLOGICAL SCIENCES	47.074	WORCESTER POLYTECHNIC INSTITUTE	16-203730-00	31,531
BIOLOGICAL SCIENCES	47.074			6,981,839
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	RESEARCH FOUNDATION OF SUNY	15-15	12,829
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	WAKE FOREST UNIVERSITY	16-002	54
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075			1,449,523
EDUCATION AND HUMAN RESOURCES	47.076	AMERICAN ASTONOMICAL SOCIETY	N/A	15,762
EDUCATION AND HUMAN RESOURCES	47.076	HARRIS STOWE STATE COLLEGE	1619639	
EDUCATION AND HUMAN RESOURCES	47.076	HARRIS STOWE STATE COLLEGE	N/A	13,108
EDUCATION AND HUMAN RESOURCES	47.076	HUNTER COLLEGE OF THE CITY UNIV OF NEW YORK	40A70-B	22,388
EDUCATION AND HUMAN RESOURCES	47.076	MUSEUM OF SCIENCE BOSTON	N/A	1,200
EDUCATION AND HUMAN RESOURCES	47.076	RESEARCH FOUNDATION OF SUNY	77903-113906-3	26,954
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF COLORADO AT BOULDER	1550703	62,299
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF MARYLAND	47965-Z4772001	1,998
EDUCATION AND HUMAN RESOURCES	47.076	UNIVERSITY OF NEBRASKA - LINCOLN	25-6238-0781-002	8,696
EDUCATION AND HUMAN RESOURCES	47.076			4,285,396
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079			946,723
OFFICE OF INTEGRATIVE ACTIVITIES	47.083			4,069,187
IPA ASSIGNMENT FOR DR. CHENGSHAN XIAO TO A PROGRAM DIRECTOR POSITION IN THE CCS PROGRAM	47.RD		1539316	164,730
IPA ASSIGNMENT: SHUBRA GANGOPADHYAY, PROGRAM DIRECTOR IN THE COMMUNICATIONS, CIRCUITS, AND SENSING SYSTEMS PROGRAM	47.RD			214,821
IPA AGREEMENTS	64.RD		ECCS-1650301	456,963
NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460	MISSOURI DEPARTMENT OF NATURAL RESOURCES	G13-NPS-08	13,099
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461	MISSOURI DEPARTMENT OF CONSERVATION	384	45,523
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461			157,014
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS	66.468	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	3,491
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509	UNIVERSITY OF SOUTHERN CALIFORNIA	62098330	(16,391)
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509			369,954
GREATHER RESEARCH OPPORTUNITIES (GRO) FELLOWSHIPS FOR UNDERGRADUATE ENVIRONMENTAL STUDY	66.513			10,667
P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY	66.516			5,511
ANALYSIS OF MULTI-WALLED CARBON NANOTUBE RELEASED FROM POLYMER MATRIX USING SP-ICP-MS	66.RD	PEGASUS TECHNOLOGY SERVICES INC	MS&T-17-001	2,476
PERFLUOROCTANOIC ACID (PFOA), PERFLUOROCTANE SULFONATE	66.RD	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	127,110

University of Missouri System
Schedule of Expenditures of Federal Awards
Summary of Program Clusters
Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM	77.008		\$	867,853
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710004152	65,858
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	MISSOURI SCIENCE CORPORATION	00050313	166,482
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	NORTH CAROLINA STATE UNIVERSITY	2015-2076-01	87,644
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	PHDS CO	N/A	1,962
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UES	S-133-000-001	29,011
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF SOUTHERN CALIFORNIA	68291175	172,287
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	UNIVERSITY OF TEXAS AUSTIN	UTA15-001186	351,103
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049			1,931,666
CONSERVATION RESEARCH AND DEVELOPMENT	81.086	INNOCIT LLC	14-0654-18	49,558
CONSERVATION RESEARCH AND DEVELOPMENT	81.086			443,200
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	AMES LABORATORY	SC-15-433	20,932
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	MIDWEST RENEWABLE ENERGY ASSOCIATION	0042853 UF13014 >	20,332
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	UNIVERSITY OF FLORIDA	UFDSP00011010	164,302
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087			1,133,048
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	MINNESOTA INSTITUTE OF MINING AND TECHNOLOGY	N/A	69,423
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	UNIVERSITY OF LOUISIANA AT LAFAYETTE	112-1132-1	42,013
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089			567,112
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112			66,777
ENERGY EFFICIENCY AND RENEWABLE ENERGY INFORMATION DISSEMINATION, OUTREACH, TRAINING AND TECHNICAL ANALYSIS/ASSISTANCE	81.117			87,490
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121			731,687
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	ADVANCED COOLING TECHNOLOGIES INC	24019	247,867
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	DONALD DANFORTH PLANT SCIENCE CTR	21018-UM	570
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	GEORGIA INSTITUTE OF TECHNOLOGY	RH140-G1	15,060
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	REDWAVE ENERGY, INC.	UOFM-0529-16	252,018
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	SHARP LABORATORY OF AMERICA	SLA-UM-DE-AR0000465	8,002
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	VIGINIA COMMONWEALTH UNIVERSITY	FP00001756-SA002	13,763
ADDITIVE MANUFACTURING OF BATTERIES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000217910	80,281
ADDITIVE MANUFACTURING OF CERAMIC AND CERAMIC COMPOSITES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000215350	66,721
ADDITIVE MANUFACTURING RAW MATERIAL ANALYSIS	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	PO# N000186386	82,784
ADDITIVE MANUFACTURING RAW MATERIAL ANALYSIS II	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000217275	83,729
ADVANCED DSP DEVELOPMENT IN FPGA	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000185493	36,000
ADVANCED MANUFACTURING OF STEEL FUEL CLADDING BY EQUAL-CHANNEL ANGULAR PRESSING	81.RD	IDAHO NATIONAL LABORATORY	186624	23,911
ALUMINA BRAZE METHOD	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	5,822
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	29,633
COUNTERING PATHOGEN INTERFACES WITH HUMAN DEFENSES	81.RD	LOS ALAMOS NATIONAL LABORATORY	363436	34,006
CREATION OF AN ADAPTIVE REMAINING LIFETIME PREDICTION MODEL OF POWER ELECTRONICS	81.RD	NATIONAL RENEWABLE ENERGY LABORATORY	XFC-7-62302-01	24,910
DESIGN OF AN AUTOMATED HIGH PRESSURE METERING SYSTEM	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	1,000
DEVELOPING VACUUM COMPATIBLE ROTATING FIXTURE FOR PVD COATING	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	10,188
DEVELOPMENT AND FABRICATION OF THIN FILM PASSIVE DEVICES ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AND LAMINATE SUBSTRATES	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000185613	166,199
DEVELOPMENT OF LARGE MASS HELICAL LAUNCHER	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000174953	(23,168)
FREQUENCY RESPONSE INSPECTION OF ADDITIVELY MANUFACTURED PARTS FOR DEFECT IDENTIFICATION	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000182444	55,738
IMPROVED HEAD-NECK FINITE ELEMENT MODEL FOR DYNAMIC HEAD IMPACT SIMULATION	81.RD	SANDIA NATIONAL LABORATORY	1463534	576
IMPROVED HEAD-NECK FINITE ELEMENT MODEL FOR DYNAMIC HEAD IMPACT SIMULATION	81.RD	SANDIA NATIONAL LABORATORY	1498184	28,841
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING (TRAVEL)	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000224172	59,715
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN CIRCULAR PIPES FOR HEAT TRANSFER	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000216415	31,393
LABVIEW SOFTWARE FOR HIGH RESOLUTION CT RECONSTRUCTION	81.RD	BATTELLE ENERGY ALLIANCE LLC	170312	28,957
LANL/MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY CYBER SECURITY SCIENCES INSTITUTE	81.RD	LOS ALAMOS NATIONAL LABORATORY	259565	67,833
MATERIALS SCIENCE & ENGINEERING SENIOR DESIGN GROUP #14	81.RD	SANDIA NATIONAL LABORATORY	1750202	3,313
METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N000216452	773,950
MISSOURI OZARK AMERIFLUX (MOFLUX) PROJECT PHASE FOUR	81.RD	OAK RIDGE NATIONAL LABORATORY	4000150689	119,095
MISSOURI OZARK AMERIFLUX PROJECT PHASE THREE	81.RD	OAK RIDGE NATIONAL LABORATORY	4000090462	58,887
MOLECULAR MECHANISMS GOVERNING MERCURY BIOGEOCHEMICAL TRANSFORMATIONS	81.RD	OAK RIDGE NATIONAL LABORATORY	4000147581	57,214
MOTORIZED CT (COMPUTED TOMOGRAPHY) CALIBRATION TOOL	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	11,414
NUCLEAR REACTOR UPGRADE	81.RD	PACIFIC NORTHWEST NATIONAL LABORATORY	234597	7,080
R&D AIRBORNE DUST EXPLOSION EVALUATION	81.RD	CONSOLIDATED NUCLEAR SECURITY LLC	4300096259	45,905

University of Missouri System
Schedule of Expenditures of Federal Awards
Summary of Program Clusters
Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
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	\$ 555,430
S3TEC ENERGY FRONTIER RESEARCH CENTER - UNIVERSITY OF MISSOURI	81.RD	OAK RIDGE NATIONAL LABORATORY	4000142104	47,012
SUMMER RESEARCH EXPERIENCE IN ADDITIVE MANUFACTURING THIN CURVED PLATE HYDRAULIC TEST	81.RD	HONEYWELL FEDERAL MANUFACTURING AND TECHNOLOGIES	N/A	3,000
TRAVEL, HOUSING, AND SUBSISTENCE FOR VISITORS RUQIYYA KARIMOVA AND YEGANA MURADOVA	81.RD	ARGONNE NATIONAL LABORATORY	6J-00005-0007A	44,423
UNDERGRADUATE INTERNATIONAL STUDIES AND FOREIGN LANGUAGE PROGRAMS	81.RD	LAWRENCE LIVERMORE NATIONAL LABORATORY	B618520	11,484
SPECIAL EDUCATION GRANTS TO STATES	84.016	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	11,735
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.027		N/A	1,756
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.200		N/A	867,825
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	JOHNS HOPKINS UNIVERSITY	2002639185	75,500
RESEARCH IN SPECIAL EDUCATION	84.305		N/A	2,053,991
RESEARCH IN SPECIAL EDUCATION	84.324	IOWA STATE UNIVERSITY	432-28-02	8,296
RESEARCH IN SPECIAL EDUCATION	84.324	UNIVERSITY OF MINNESOTA	A003348601	78,738
RESEARCH IN SPECIAL EDUCATION	84.324	UNIVERSITY OF SOUTH FLORIDA	5810-1021-00-A	69,497
RESEARCH IN SPECIAL EDUCATION	84.324		N/A	305,689
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325		N/A	86,116
MATHEMATICS AND SCIENCE PARTNERSHIPS	84.366	ST LOUIS PUBLIC SCHOOLS	10137960	19,892
IMPROVING TEACHER QUALITY STATE GRANTS	84.367	MISSOURI DEPARTMENT OF HIGH EDUCATION	N/A	13,152
STATE FISCAL STABILIZATION FUND (SFSF) - RACE-TO-THE-TOP INCENTIVE GRANTS	84.395	VANDERBILT UNIVERSITY	3762-018203	19
FOOD AND DRUG ADMINISTRATION RESEARCH	93.103		N/A	23,892
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110	ARKANSAS CHILDRENS HOSPITAL RESEARCH INSTITUTE	034492	43
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		N/A	7,132
ENVIRONMENTAL HEALTH	93.113	INDIANA UNIVERSITY	BL-4645301-UM	9,496
ENVIRONMENTAL HEALTH	93.113	NORTH CAROLINA STATE UNIVERSITY	2011-1830-01	(1,499)
ENVIRONMENTAL HEALTH	93.113		N/A	1,567,212
ORAL DISEASES AND DISORDERS RESEARCH	93.121	CLEMSON UNIVERSITY	1723-209-2008855	6,813
ORAL DISEASES AND DISORDERS RESEARCH	93.121	WASHINGTON UNIVERSITY	WU-17-285	45,561
ORAL DISEASES AND DISORDERS RESEARCH	93.121		N/A	3,179,476
NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION	93.143		N/A	13,300
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	INDIANA UNIVERSITY	BL-4635515-UMC	78,381
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	NUVIANT MEDICAL INC	15-NIDCD-001	5,291
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		N/A	106,369
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213		N/A	123,608
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	OREGON HEALTH SCIENCE UNIVERSITY	1005865_CUMISSOURI	45,395
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	RUTGERS UNIVERSITY	5879	47,987
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	RUTGERS UNIVERSITY	6117	4,630
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	UNIVERSITY OF PITTSBURGH	0042771(125364-2)	3,740
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	WASHINGTON UNIVERSITY	WU-15-123	1,600,359
MENTAL HEALTH RESEARCH GRANTS	93.242	BRANDEIS UNIVERSITY	403000	169,099
MENTAL HEALTH RESEARCH GRANTS	93.242	EXOCYTRONICS LLC	00047734	76,578
MENTAL HEALTH RESEARCH GRANTS	93.242	RAND CORPORATION	9920170010	18,746
MENTAL HEALTH RESEARCH GRANTS	93.242	THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	1R34MH103835-01A1	19,692
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF HAWAII	KA150022	11,161
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF PITTSBURGH	0024980 (120775-1)	18,275
MENTAL HEALTH RESEARCH GRANTS	93.242	UNIVERSITY OF PITTSBURGH	0024980 127564-1	2,125,980
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		N/A	397,917
ADVANCED NURSING EDUCATION GRANT PROGRAM	93.247		N/A	620,495
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262	UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-126	20,577
ALCOHOL RESEARCH PROGRAMS	93.273	UNIVERSITY OF MEMPHIS	UNIVERSITY INDEX 5-4	159,858
ALCOHOL RESEARCH PROGRAMS	93.273	UNIVERSITY OF PITTSBURGH	0030254 (123938-1)	29,044
ALCOHOL RESEARCH PROGRAMS	93.273	WASHINGTON UNIVERSITY	WU-17-150	34,821
ALCOHOL RESEARCH PROGRAMS	93.273		N/A	2,619,150
DRUG-FREE COMMUNITIES SUPPORT PROGRAM GRANTS	93.276	PARWAY MISSOURI SCHOOL DISTRICT	N/A	5,541
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	5-30995	73,678
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279		N/A	589,842
CENTERS FOR DISEASE CONTROL AND PREVENTION_INVESTIGATIONS AND TECHNICAL ASSISTANCE CENTERS FOR DISEASE CONTROL AND	93.283	WASHINGTON UNIVERSITY	WU-17-80	68,004
PREVENTION_INVESTIGATIONS AND TECHNICAL ASSISTANCE DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.283		N/A	124,979
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286	OHIO STATE UNIVERSITY	60053590	88,324
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286	OHIO STATE UNIVERSITY	60054616	350,724
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307		N/A	50,193
TRANS-NIH RESEARCH SUPPORT	93.310	UNIVERSITY OF IOWA	W000922465	59,995
TRANS-NIH RESEARCH SUPPORT	93.310		N/A	363,466
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES RESEARCH INFRASTRUCTURE PROGRAMS	93.350	WASHINGTON UNIVERSITY	WU-17-4	30,527
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	WASHINGTON UNIVERSITY	WU-17-89	7,171
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	CRYOCRATE LLC	N/A	14,461
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	MICHIGAN STATE UNIVERSITY	RC103190UM	8,261
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	PARATECHS CORPORATION	N/A	6,017,514

**University of Missouri System
Schedule of Expenditures of Federal Awards
Summary of Program Clusters
Year Ended June 30, 2017**

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360	JOHNS HOPKINS UNIVERSITY	2001837727	\$ (1)
NURSING RESEARCH	93.361	PERCEPTIMED INC	N/A	26,829
NURSING RESEARCH	93.361	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	8648	14,356
NURSING RESEARCH	93.361	UNIVERSITY OF FLORIDA	UFDS00010644	8,194
NURSING RESEARCH	93.361	WASHINGTON UNIVERSITY SCHOOL OF MEDICINE	WU-14-86-MOD-3	
NURSING RESEARCH	93.361	WASHINGTON UNIVERSITY SCHOOL OF MEDICINE	WU-16-301	25,122
NURSING RESEARCH	93.361	WASHINGTON UNIVERSITY	WU-15-341	
NURSING RESEARCH	93.361	WASHINGTON UNIVERSITY	WU-17-77	125,825
NURSING RESEARCH	93.361			604,751
NATIONAL CENTER FOR RESEARCH RESOURCES	93.389			18,523
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	DUQUESNE UNIVERSITY	250080	25,712
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD516825A	
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD516825B	33,735
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	SURGISENSE CORPORATION	N/A	4,823
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	WASHINGTON UNIVERSITY	WU-16-310	2,094
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394			471
CANCER TREATMENT RESEARCH	93.395	ALLIANCE FOR CLINICAL TRIALS IN ONCOLOGY	MO036	(9,035)
CANCER TREATMENT RESEARCH	93.395	CHILDRENS HOSPITAL OF PHILADELPHIA	9500080215-12C	
CANCER TREATMENT RESEARCH	93.395	CHILDRENS HOSPITAL OF PHILADELPHIA	NCORP	
CANCER TREATMENT RESEARCH	93.395	ISO THERAPEUTIC GROUP, LLC	FP00017458_SUB142	7,208
CANCER TREATMENT RESEARCH	93.395		N/A	(526)
CANCER TREATMENT RESEARCH	93.395	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD517367	
CANCER TREATMENT RESEARCH	93.395	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD517367B	55,366
CANCER TREATMENT RESEARCH	93.395	ONCOVIR INC	ONC2014-001	1,472
CANCER TREATMENT RESEARCH	93.395	UNIVERSITY OF IOWA	W000651422	48,096
CANCER TREATMENT RESEARCH	93.395	UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	FY2013-069-M2	2,100
CANCER TREATMENT RESEARCH	93.395			628,156
CANCER BIOLOGY RESEARCH	93.396	FLORIDA ATLANTIC UNIVERSITY	RJ86	60,697
CANCER BIOLOGY RESEARCH	93.396			702,007
CANCER BIOLOGY RESEARCH	93.396	UNIVERSITY OF KANSAS	FY2014-081	154,863
CANCER BIOLOGY RESEARCH	93.396	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE INC		
CANCER BIOLOGY RESEARCH	93.396	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE INC	1R21CA204767	41,239
CANCER BIOLOGY RESEARCH	93.396		QR864360	179,439
CANCER CENTERS SUPPORT GRANTS	93.397	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD518793	
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD518793A	143,680
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	CHILDREN'S MERCY HOSPITAL	16-0001	67
AFFORDABLE CARE ACT (ACA) MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING PROGRAM	93.505	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380162	131,730
HEALTH CARE INNOVATION AWARDS (HCIA)	93.610	THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	CMS-1C1-12-001	74,923
AFFORDABLE CARE ACT INITIATIVE TO REDUCE AVOIDABLE HOSPITALIZATIONS AMONG NURSING FACILITY RESIDENTS	93.621			4,745,611
SOCIAL SERVICES RESEARCH AND DEMONSTRATION	93.647			97,931
TRANS-NIH RECOVERY ACT RESEARCH SUPPORT	93.701	THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	HHSN271200900019C	8,679
MEDICAL ASSISTANCE PROGRAM	93.778	CENTER FOR DISCOVERY	N/A	13,470
MEDICAL ASSISTANCE PROGRAM	93.778	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC15380134	
CARDIOVASCULAR DISEASES RESEARCH	93.837	MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380085	149,610
CARDIOVASCULAR DISEASES RESEARCH	93.837	BRIGHAM AND WOMENS HOSPITAL	PS# 107223	1,232
CARDIOVASCULAR DISEASES RESEARCH	93.837	DUKE UNIVERSITY	200464	
CARDIOVASCULAR DISEASES RESEARCH	93.837	DUKE UNIVERSITY	4U01HL105565	55,410
CARDIOVASCULAR DISEASES RESEARCH	93.837	NANOVA INC	N/A	12,298
CARDIOVASCULAR DISEASES RESEARCH	93.837	NORTHWESTERN UNIVERSITY	60040951 UMC	26,298
CARDIOVASCULAR DISEASES RESEARCH	93.837	TEXAS A&M UNIVERSITY	23S152308/M1500033	
CARDIOVASCULAR DISEASES RESEARCH	93.837	TEXAS A&M UNIVERSITY	23-S152308/M1500033	48,531
CARDIOVASCULAR DISEASES RESEARCH	93.837	TUFTS UNIVERSITY	5010929-SERV	125,661
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF CALIFORNIA SAN FRANCISCO	80345C	75,815
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF FLORIDA	UFDS00010723	3,836
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF MICHIGAN	3003532896	13,354
CARDIOVASCULAR DISEASES RESEARCH	93.837	UNIVERSITY OF ROCHESTER	415620-G	8,444
CARDIOVASCULAR DISEASES RESEARCH	93.837	WASHINGTON UNIVERSITY	WU-16-41	219,441
CARDIOVASCULAR DISEASES RESEARCH	93.837			6,298,543
LUNG DISEASES RESEARCH	93.838	INDIANA UNIVERSITY	/20/20171R01HL131730	4,905
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF IOWA	W000574145	
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF IOWA	W000741745	
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF IOWA	W000873945/1001713614	61,521
LUNG DISEASES RESEARCH	93.838	UNIVERSITY OF TEXAS SOUTHWEST MEDICAL CENTR		
LUNG DISEASES RESEARCH	93.838	OF DALLAS	150118	216,554
LUNG DISEASES RESEARCH	93.838	XEMED LLC	2R44HL117337-3_MU	87,583
LUNG DISEASES RESEARCH	93.838			260,479
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	COLUMBIA UNIVERSITY	1(GG012460)	71,013
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	DUKE UNIVERSITY	203-5349	113,983
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	EMMYON INC	N/A	14,659
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	CASE WESTERN UNIVERSITY	RES508613	1,515,554
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	CASE WESTERN UNIVERSITY	RES509467	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	CASE WESTERN UNIVERSITY	RES510017	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	CASE WESTERN UNIVERSITY	RES511122	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	CASE WESTERN UNIVERSITY	RES511904	158,492
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	EMORY UNIVERSITY	T521105	142,423
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	MAYO CLINIC	UNI-203449	33,053

University of Missouri System
Schedule of Expenditures of Federal Awards
Summary of Program Clusters
Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	TUFTS UNIVERSITY	4U01DK098245	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	TUFTS UNIVERSITY	PO5011759	\$ 79,079
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF FLORIDA	UFDSP00010752	16,313
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UNIVERSITY OF SOUTH FLORIDA	6163-1017-00-X	
		UNIVERSITY OF SOUTH FLORIDA	TRIALNET SITE #224	37,922
		WASHINGTON UNIVERSITY	WU-14-103-MOD-2	
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	WASHINGTON UNIVERSITY	WU-17-184	
		WASHINGTON UNIVERSITY	WU-17-399	137,293
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847			2,715,810
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	BRIGHAM AND WOMENS HOSPITAL	112118	109,113
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853			1,514,497
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	KANSAS STATE UNIVERSITY	R21A1113552	3,582
		LOUISIANA STATE UNIVERSITY	14-17-108	
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	LOUISIANA STATE UNIVERSITY	16-17-104	240,087
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	ROCKEFELLER UNIVERSITY	5R01AI099284-05	114,370
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	TECHSHOT, INC	N/A	170,781
MICROBIOLOGY AND INFECTIOUS DISEASES RESEARCH	93.856			5,714,016
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	B-TECH CONSULTING	2R44GM097902	183,600
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	DONALD DANFORTH PLANT SCIENCE CENTER	N/A	54,047
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	LAWRENCE BERKELEY NATIONAL LABORATORY	7115870	5,985
		SCRIPPS RESEARCH INSTITUTE	5-52462	93,241
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	SCRIPPS RESEARCH INSTITUTE	5-52934	
		ST LOUIS UNIVERSITY	ERS 37360	109,208
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	ST LOUIS UNIVERSITY	ERS 39099	158,278
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH		
		INSTITUTE INC	ZAF00010	20,182
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF MICHIGAN	3002869733	7,844
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF NEBRASKA LINCOLN	24-6230-0152-002	107,164
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	UNIVERSITY OF UTAH	10027535-15-M	124,916
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859			6,061,517
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	JOHNS HOPKINS UNIVERSITY	2002181008	46,109
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	LEHIGH UNIVERSITY	543567-78001	45,401
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF PITTSBURGH	0038508(125093-1)	16,188
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	UNIVERSITY OF VIRGINIA	GB10325 151803	33,215
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865			2,088,884
AGING RESEARCH	93.866	EMMYON INC	N/A	355
AGING RESEARCH	93.866	INDIANA UNIVERSITY	1R01AG052493	4,562
AGING RESEARCH	93.866	NORTHWESTERN UNIVERSITY	60040682 UMKC	7,330
AGING RESEARCH	93.866	UNIVERSITY OF NORTH TEXAS	RN0088-2013-001	164,612
AGING RESEARCH	93.866	WASHINGTON UNIVERSITY	1RF1AG053303	62,284
AGING RESEARCH	93.866			2,142,930
VISION RESEARCH	93.867	UNIVERSITY OF NORTH TEXAS	1R01EY027005	199,952
VISION RESEARCH	93.867			1,377,287
MEDICAL LIBRARY ASSISTANCE	93.879	UNIVERSITY OF UTAH	10039576-04	148,771
MEDICAL LIBRARY ASSISTANCE	93.879			352,549
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380096	5,703
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946	STATE OF FLORIDA	AF436E	19,862
PPHF GERIATRIC EDUCATION CENTERS	93.969	ST LOUIS UNIVERSITY	U1QHP28716	33,034
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	CSI170220009	8,360
COMPUTER METHODS FOR DIGITIZED HISTOLOGY IMAGE ANALYSIS AND BIOMEDICAL CLASSIFICATION	93.RD		HHSN276201500691P	24,812
DEVELOPMENT OF A LOW COST LIDAR GROUND CONTROL HAZARD DETECTION NETWORK	93.RD		200-2016-91155	112,584
LABORATORY DIABETES ANALYSIS FOR NHANES 2012-2017 SOLICITATION NUMBER 2012-N-14276	93.RD		200-2012-51278	59,982
MEASUREMENT OF SELENIUM, MERCURY, IRON, ZINC AND SCANDIUM IN NAIL SAMPLES FROM THE GOLESTAN COHORT, IRAN	93.RD		HHSN261201500234P	13,956
NEEDS ASSESSMENT FOR LEAD POISONING IN JACKSON AND CLAY COUNTIES IN MO AND WYANDOTTE AND JOHNSON COUNTIES IN KS PRECLINICAL COMPARISON OF THREE INDENOISOQUINOLINES CANDIDATES IN TUMOR-BEARING DOGS	93.RD	CHILDREN'S MERCY HOSPITAL	N/A	5,820
SMARTPHONE PLATFORM FOR MALARIA DIAGNOSIS	93.RD	LEIDOS INC	14X103	10,833
SPRINT TRAVEL GRANT - HOSPICE CAREGIVING RESEARCH NETWORK	93.RD		HHSN276201500705P	247
NATIONAL DAM SAFETY PROGRAM	97.041	VENTUREWELL	N/A	15,545
NATIONAL NUCLEAR FORENSICS EXPERTISE DEVELOPMENT PROGRAM	97.130	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	65,866
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001	UNIVERSITY OF SOUTH CAROLINA	15-2858	48,599
		LINC LLC	LINC-SUB-UM-17-0001	2,974
		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-05	
		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-13	
		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-14	342,760
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001			2,925
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	9,294
RESEARCH AND DEVELOPMENT TOTAL				<u>\$ 150,764,942</u>

SNAP CLUSTER

University of Missouri System
Schedule of Expenditures of Federal Awards
Summary of Program Clusters
Year Ended June 30, 2017

Cluster Name/Program Title	Federal CFDA Number	Pass-Through Entity Name	Pass-Through Entity or Other Identifying Number	Total Federal Expenditures
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM SNAP CLUSTER TOTAL	10.561	MISSOURI DEPARTMENT OF SOCIAL SERVICES MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC10380257 AOC16380120	\$ 10,407,536 <u>\$ 10,407,536</u>
SPECIAL EDUCATION CLUSTER (IDEA)				
SPECIAL EDUCATION_GRANTS TO STATES	84.027	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	\$ 1
SPECIAL EDUCATION_GRANTS TO STATES SPECIAL EDUCATION CLUSTER (IDEA) TOTAL	84.027	MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A N/A	3,224,635 <u>\$ 3,224,636</u>
STUDENT FINANCIAL AID				
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS	84.007			\$ 1,761,167
FEDERAL WORK-STUDY PROGRAM	84.033			2,771,609
PERKINS LOAN PROGRAM	84.038			36,461,284
FEDERAL PELL GRANT PROGRAM	84.063			52,944,247
FEDERAL DIRECT STUDENT LOANS	84.268			389,106,465
TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION GRANTS (TEACH GRANTS)	84.379			218,967
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264			1,883,314
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342			18,290,408
NURSING STUDENT LOANS	93.364			1,562,504
ARRA - NURSE FACULTY LOAN PROGRAM	93.408			117,387
STUDENT FINANCIAL AID TOTAL				<u>\$ 505,117,352</u>
TANF CLUSTER				
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES TANF CLUSTER TOTAL	93.558	MISSOURI DEPARTMENT OF SOCIAL SERVICES MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC15380152 DC11-02863 (TANF)	\$ 642,046 <u>\$ 642,046</u>
TRIO CLUSTER				
TRIO_MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217			\$ 238,617
TRIO_STUDENT SUPPORT SERVICES TRIO CLUSTER TOTAL	84.042			610,934 <u>\$ 849,551</u>
WIA CLUSTER				
WIA DISLOCATED WORKER FORMULA GRANTS WIA CLUSTER TOTAL	17.278	MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	99-21-16-16 99-21-16-17	\$ 227,183 <u>\$ 227,183</u>

University of Missouri System
Notes to the Schedules of Expenditures of Federal Awards
Year Ended June 30, 2017

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, 2017. The accompanying notes are an integral part of these Schedules. 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 Title 2 U.S. *Code of Federal Regulations* Part 200, *Uniform Administrative Requirements, Cost Principles and Audit Requirements for Federal Awards*, 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, 2017, consists of:

Federal Grantor/Program Title	Federal CFDA Number	Outstanding Balance at June 30, 2017
DEPARTMENT OF EDUCATION LOAN PROGRAMS		
PERKINS LOAN PROGRAM	84.038	\$ 30,615,709
FEDERAL DIRECT STUDENT LOANS	84.268	N/A
DEPARTMENT OF HEALTH AND HUMAN SERVICES LOAN PROGRAMS		
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264	\$ 1,737,035
ARRA - NURSE FACULTY LOAN PROGRAM	93.408	78,444
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342	16,101,579
NURSING STUDENT LOANS	93.364	1,279,376

**Independent Auditor’s Report on Internal Control Over
Financial Reporting and on Compliance and Other Matters Based on an
Audit of the Financial Statements Performed in Accordance with
Government Auditing Standards**

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 aggregate remaining fund information of the University of Missouri System (“System”), a component unit of the State of Missouri, as of and for the year ended June 30, 2017, 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 12, 2017, which contained an emphasis-of-matter paragraph regarding a change in accounting principles.

Internal Control Over Financial Reporting

Management of the System is responsible for establishing and maintaining effective internal control over financial reporting (internal control). In planning and performing our audit of the financial statements, we considered the System’s 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 of 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 System's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

BKD, LLP

Kansas City, Missouri
October 12, 2017

**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

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, 2017. 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, contracts 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, 2017.

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 our 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 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.

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 aggregate remaining fund information of the University of Missouri System as of and for the year ended June 30, 2017, and the related notes to the financial statements, which collectively comprise the System's basic financial statements. We issued our report thereon dated October 12, 2017, 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 basic 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.

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.

BKD, LLP

Kansas City, Missouri
February 14, 2018

University of Missouri System
Schedule of Findings and Questioned Costs
Year Ended June 30, 2017

Summary of Auditor's Results

Financial Statements

1. The type of report the auditor issued on whether the financial statements audited were prepared in accordance with accounting principles generally accepted in the United States of America (GAAP) was:

Unmodified Qualified Adverse Disclaimer

2. The independent auditor's report on internal control over financial reporting disclosed:

Significant deficiency(ies)? Yes None reported

Material weakness(es)? Yes No

3. Noncompliance considered material to the financial statements was disclosed by the audit?

Yes No

Federal Awards

4. The independent auditor's report on internal control over compliance for major federal awards programs disclosed:

Significant deficiency(ies)? Yes None reported

Material weakness(es)? Yes No

5. The opinions expressed in the independent auditor's report on compliance for major federal awards were:

Unmodified Qualified Adverse Disclaimer

6. The audit disclosed findings required to be reported by 2 CFR 200.516(a)?

Yes No

University of Missouri System
Schedule of Findings and Questioned Costs (Continued)
Year Ended June 30, 2017

7. The System's major programs were:

Cluster/Program	CFDA Number
Student Financial Assistance Cluster	
Federal Supplemental Educational Opportunity Grants	84.007
Federal Work Study Program	84.033
Perkins Loan Program	84.038
Federal Pell Grant Program	84.063
Federal Direct Student Loans	84.268
Teacher Education Assistance for College and Higher Education Grants	84.379
Nurse Faculty Loan Program	93.264
ARRA – Nurse Faculty Loan Program	93.408
Health Professional Student Loans	93.342
Nursing Student Loans	93.364
Cooperative Extension Service	10.500
Defense Nuclear Nonproliferation Research	81.113
Rehabilitation Services – Vocational Rehabilitation Grants to States	84.126
Education Innovation and Research	84.411

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, 2017

Reference Number	Summary of Finding	Status
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No matters are reportable.