

# **University of Missouri System**

Single Audit Reports

June 30, 2019

**University of Missouri System**  
**Single Audit Reports and Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2019**

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University of Missouri System  
Schedule of Expenditures of Federal Awards  
Fiscal Period 7/1/2018 - 6/30/2019

Federal Awarding Agency/Program Title	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity	Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
<b>DEPARTMENT OF AGRICULTURE</b>									
AGRICULTURAL RESEARCH, BASIC AND APPLIED RESEARCH	10.001					\$36,570	\$2,847,975	N/A	\$0
AGRICULTURAL RESEARCH, BASIC AND APPLIED RESEARCH	10.001				\$34,978	\$2,811,405	\$2,847,975	RESEARCH AND DEVELOPMENT	\$168,798,546
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025					\$339,482	\$339,482	RESEARCH AND DEVELOPMENT	\$168,798,546
WETLANDS RESERVE PROGRAM	10.072		NATURE CONSERVANCY	20180705-02		\$36,440	\$36,440	RESEARCH AND DEVELOPMENT	\$168,798,546
MARKET NEWS	10.153		MISSOURI DEPARTMENT OF AGRICULTURE	N/A		\$8,874	\$8,874	N/A	\$0
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170		MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE	165CBGPM00003 PROJECT 2 AM170100XXXXG015 PROJ 12 AM180100XXXXG011 PROJ 6 AM180100XXXXG011 PROJ 8 N/A		\$63,262	\$98,928	N/A	\$0
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170		MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE	165CBGPM00003 PROJECT 7 165CBGPM00003 PROJECT 8 AM170100XXXXG015 PROJ 10 AM170100XXXXG015 PROJ 11 AM170100XXXXG015 PROJ 3 AM180100XXXXG011 PROJ 4 AM180100XXXXG011 PROJ 7 AM180100XXXXG011 PROJ 9 N/A	\$140	\$35,666	\$98,928	RESEARCH AND DEVELOPMENT	\$168,798,546
COOPERATIVE FORESTRY RESEARCH	10.202					\$575,086	\$626,086	RESEARCH AND DEVELOPMENT	\$168,798,546
COOPERATIVE FORESTRY RESEARCH	10.202		LINCOLN UNIVERSITY	2018-3472-17		\$51,000	\$626,086	RESEARCH AND DEVELOPMENT	\$168,798,546
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203					\$5,175,537	\$5,175,537	RESEARCH AND DEVELOPMENT	\$168,798,546
ANIMAL HEALTH AND DISEASE RESEARCH	10.207					\$91,146	\$91,146	RESEARCH AND DEVELOPMENT	\$168,798,546
SMALL BUSINESS INNOVATION RESEARCH	10.212		CRYCRATE LLC	002		\$12,728	\$12,728	RESEARCH AND DEVELOPMENT	\$168,798,546
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H004991204				N/A	\$0
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H005722901				N/A	\$0
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H005722917				N/A	\$0
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H005722922				N/A	\$0
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H005722924				N/A	\$0
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H006607401				N/A	\$0
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H007179301				N/A	\$0
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H007179332		\$286,101	\$297,433	N/A	\$0
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H004991345		\$11,332	\$297,433	RESEARCH AND DEVELOPMENT	\$168,798,546
1890 INSTITUTION CAPACITY BUILDING GRANTS	10.216		LINCOLN UNIVERSITY	2014-3560				N/A	\$0
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217		LINCOLN UNIVERSITY	2017-3560				N/A	\$0
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217		LINCOLN UNIVERSITY	2018-3640				N/A	\$0
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217		LINCOLN UNIVERSITY	2018-3641				N/A	\$0
AGRICULTURAL AND RURAL ECONOMIC RESEARCH, COOPERATIVE AGREEMENTS AND COLLABORATIONS	10.250		LINCOLN UNIVERSITY	2019-38821-29050		\$112,374	\$112,374	RESEARCH AND DEVELOPMENT	\$168,798,546
CONSUMER DATA AND NUTRITION RESEARCH	10.253		UNIVERSITY OF MINNESOTA	H003931501		\$500	\$1,869	N/A	\$0
CONSUMER DATA AND NUTRITION RESEARCH	10.253		UNIVERSITY OF KENTUCKY	58-5000-3-0066		\$1,369	\$1,869	N/A	\$0
AGRICULTURAL MARKET AND ECONOMIC RESEARCH	10.290		UNIVERSITY OF IDAHO	FY18-00670-GTK737		\$24,975	\$24,975	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURAL MARKET AND ECONOMIC RESEARCH	10.290					\$12,416	\$12,807	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURAL MARKET AND ECONOMIC RESEARCH	10.290					\$391	\$12,807	RESEARCH AND DEVELOPMENT	\$168,798,546
INTEGRATED PROGRAMS	10.303		MICHIGAN STATE UNIVERSITY	RC107820H	\$216,276	\$1,527,243	\$201,597	RESEARCH AND DEVELOPMENT	\$168,798,546
INTEGRATED PROGRAMS	10.303		SOUTH DAKOTA STATE UNIVERSITY	37B388		\$4,500	\$159,234	N/A	\$0
INTEGRATED PROGRAMS	10.303					\$103	\$159,234	N/A	\$0
INTEGRATED PROGRAMS	10.303				\$12,089	\$154,631	\$159,234	RESEARCH AND DEVELOPMENT	\$168,798,546
HOMELAND SECURITY, AGRICULTURAL	10.304		MICHIGAN STATE UNIVERSITY	RC106556G		\$60,578	\$60,578	N/A	\$0
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307					\$89,569	\$89,569	RESEARCH AND DEVELOPMENT	\$168,798,546
SPECIALTY CROP RESEARCH INITIATIVE	10.309		VIRGINIA POLYTECHNIC INST AND STATE UNIVERSITY	422652-19228		\$4,185	\$4,185	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310					\$112,606	\$4,687,668	N/A	\$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		MICHIGAN STATE UNIVERSITY	RC103692A		\$10,331	\$4,687,668	N/A	\$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		PURDUE UNIVERSITY	F900271902007		\$31,429	\$4,687,668	N/A	\$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		SOUTH DAKOTA STATE UNIVERSITY	37C462		\$38,215	\$4,687,668	N/A	\$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF ARKANSAS	SA1909233		\$1,955	\$4,687,668	N/A	\$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310				\$721,589	\$4,008,233	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		AUBURN UNIVERSITY	13-AGR-373036-UM		-\$9	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		COLORADO SCHOOL OF MINES	401541-5801		\$25,658	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		IOWA STATE UNIVERSITY	416-41-54A		\$62,566	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		INDIANA UNIVERSITY	BL-4339918-UM		\$7,714	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		LOUISIANA STATE UNIVERSITY	100075		\$44,316	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		MISSISSIPPI STATE UNIVERSITY	012000.321736.02		\$4,199	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		SOUTH DAKOTA STATE UNIVERSITY	37C390		\$1,741	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF ARKANSAS	UA AES 91137-02		\$13,824	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF CENTRAL FLORIDA	2015-69004-23273		\$3,353	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546

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Federal Awarding Agency/Program Title	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity	Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF GEORGIA	RC294-343/S001056		\$63,876	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF MINNESOTA	H006564202		\$3,016	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF NEBRASKA LINCOLN	25-1215-0117-002		\$9	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF WISCONSIN MADISON	627K152		\$57,698	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF WYOMING	1003080A - MISSOURI		\$68,327	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		VIRGINIA POLYTECHNIC INST AND STATE UNIVERSITY	422569-19228		\$50,918	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		WASHINGTON STATE UNIVERSITY	130160_G003742		\$77,693	\$4,687,668	RESEARCH AND DEVELOPMENT	\$168,798,546
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311				\$28,617	\$72,245	\$116,354	N/A	\$0
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311		DAIRY GRAZING APPRENTICESHIP	N/A		\$21,133	\$116,354	N/A	\$0
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311		UNIVERSITY OF ARKANSAS	91161-02		\$8,448	\$116,354	N/A	\$0
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311		UNIVERSITY OF VERMONT	29903SUBS1956		\$7,849	\$116,354	N/A	\$0
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311		WEST CENTRAL MISSOURI COMMUNITY ACTION AGENCY	N/A		\$6,679	\$116,354	RESEARCH AND DEVELOPMENT	\$168,798,546
FARM BUSINESS MANAGEMENT AND BENCHMARKING COMPETITIVE GRANTS PROGRAM	10.319				\$9,409	\$19,615	\$19,615	N/A	\$0
CAPACITY BUILDING FOR NON-LAND GRANT COLLEGES OF AGRICULTURE (NLGCA)	10.326		MISSOURI STATE UNIVERSITY MISSOURI STATE UNIVERSITY	18042-001 16161-001		\$28,907	\$28,907	RESEARCH AND DEVELOPMENT	\$168,798,546
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329					\$188,678	\$357,348	N/A	\$0
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	076332-16769		\$14,632	\$357,348	N/A	\$0
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329				\$28,874	\$97,153	\$357,348	RESEARCH AND DEVELOPMENT	\$168,798,546
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS PROGRAM	10.329		UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200001582-18-186		\$56,885	\$357,348	RESEARCH AND DEVELOPMENT	\$168,798,546
RURAL BUSINESS DEVELOPMENT GRANT	10.351					\$23,935	\$46,106	N/A	\$0
RURAL BUSINESS DEVELOPMENT GRANT	10.351					\$22,171	\$46,106	RESEARCH AND DEVELOPMENT	\$168,798,546
FARM OPERATING LOANS	10.406					\$7,703	\$7,703	RESEARCH AND DEVELOPMENT	\$168,798,546
OUTREACH AND ASSISTANCE FOR SOCIALLY DISADVANTAGED AND VETERAN FARMERS AND RANCHERS	10.443					\$84,352	\$84,352	N/A	\$0
RISK MANAGEMENT EDUCATION PARTNERSHIPS	10.460		UNIVERSITY OF NEBRASKA LINCOLN	25-6324-0175-002		\$10,523	\$10,523	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF NEBRASKA LINCOLN	25-6324-0182-002		\$559,419	\$665,500	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF NEBRASKA LINCOLN	25-6324-0150-313		\$95,532	\$665,500	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF NEBRASKA LINCOLN	25-6324-0150-314		\$95,532	\$665,500	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF NEBRASKA LINCOLN	25-6324-0150-321		\$95,532	\$665,500	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF WISCONSIN MADISON	PO 0000001919		\$10,549	\$665,500	N/A	\$0
SMITH-LEVER FUNDING (VARIOUS PROGRAMS)	10.511		UNIVERSITY OF WISCONSIN MADISON	N/A		\$10,137,063	\$10,137,063	N/A	\$0
EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM	10.514					\$1,116,550	\$1,116,550	N/A	\$0
RENEWABLE RESOURCES EXTENSION ACT AND NATIONAL FOCUS FUND PROJECTS	10.515					\$73,389	\$73,389	N/A	\$0
SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN	10.557		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380018		\$27,304	\$27,304	N/A	\$0
CHILD AND ADULT CARE FOOD PROGRAM	10.558		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	ERS46110020 ERS4611511		\$26,123	\$26,123	N/A	\$0
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.561		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC10380257		\$52,141	\$10,087,989	SNAP CLUSTER	\$10,087,989
FACULTY EXCHANGE PROGRAM	10.613		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC17380070		\$86,702	\$86,702	N/A	\$0
SCIENTIFIC COOPERATION EXCHANGE PROGRAM WITH CHINA	10.614		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC18380029		\$16,291	\$16,291	N/A	\$0
FORESTRY RESEARCH	10.652					\$514	\$514	RESEARCH AND DEVELOPMENT	\$168,798,546
COOPERATIVE FORESTRY ASSISTANCE	10.664		UNIVERSITY OF TENNESSEE	9500067109		\$39,977	\$39,977	RESEARCH AND DEVELOPMENT	\$168,798,546
FOREST HEALTH PROTECTION	10.680					\$3,370	\$3,370	RESEARCH AND DEVELOPMENT	\$168,798,546
PARTNERSHIP AGREEMENTS	10.699					\$345,431	\$345,431	RESEARCH AND DEVELOPMENT	\$168,798,546
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777					\$79,656	\$79,656	N/A	\$0
RURAL ENERGY FOR AMERICA PROGRAM	10.868				\$47,151	\$64,329	\$64,329	N/A	\$0
SOIL AND WATER CONSERVATION	10.902					\$175,751	\$546,860	N/A	\$0
SOIL AND WATER CONSERVATION	10.902		CLEMSON UNIVERSITY	2020-207-2012483		-\$5,692	\$546,860	N/A	\$0
SOIL AND WATER CONSERVATION	10.902		LINCOLN UNIVERSITY	2018-3632		\$1,243	\$546,860	N/A	\$0
SOIL AND WATER CONSERVATION	10.902					\$375,558	\$546,860	RESEARCH AND DEVELOPMENT	\$168,798,546
SOIL SURVEY	10.903		PURDUE UNIVERSITY	F9002687302009		\$403	\$403	RESEARCH AND DEVELOPMENT	\$168,798,546
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912					\$309,327	\$311,708	N/A	\$0
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		LINCOLN UNIVERSITY	2018-3632		\$2,381	\$311,708	N/A	\$0
CONSERVATION STEWARDSHIP PROGRAM	10.924					\$19,188	\$19,188	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960					\$1,395,624	\$1,395,624	N/A	\$0

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COCHRAN FELLOWSHIP PROGRAM-INTERNATIONAL TRAINING-FOREIGN PARTICIPANT INTERGOVERNMENTAL PERSONNEL AGREEMENT	10.962					\$68,623	\$68,623	N/A	\$0
STUDY ON THE ECONOMICS AND POLICIES OF GENOME EDITING TECHNOLOGIES IN AGRICULTURE AND FOOD 2018	10.RD	N/A				\$19,378	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
SONGBIRD DEMOGRAPHIC RESPONSES TO LANDSCAPE AND CLIMATE CHANGE IN THE MIDWESTERN UNITED STATES	10.RD	12315118P0166				\$4,992	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
APPLIED HISTORICAL ECOLOGY OF FIRE IN REMNANT PINE FORESTS OF SOUTHERN OHIO	10.RD					\$3,831	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
EFFECTS OF STAND DENSITY AND COMPOSITION ON MITIGATION AND ADAPTABILITY TO CLIMATE CHANGE IN PINE AND HARDWOOD FORESTS AND WOODLANDS OF MISSOURI	10.RD					\$15,859	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
COMBINING LANDIS-II AND LANDIS-PRO INTO A COMMON FRAMEWORK	10.RD					\$131,926	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
COMPARING THE EFFECTS OF PRESCRIBED BURNING AND THINNING TREATMENTS ON VEGETATION DEVELOPMENT IN OAK WOODLANDS OF KANSAS	10.RD					\$92,761	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
EFFECTS OF FUELS TREATMENTS ON REDUCTION OF FIRE RISK AND RESTORATION OF OAK-PINE FORESTS IN CENTRAL HARDWOOD FOREST LANDSCAPES-STAND SCALE	10.RD					\$5,453	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
SCAR CLOSURE FROM PRESCRIBED FIRE IN OAK	10.RD					\$24,274	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
EFFECTS OF CLIMATE CHANGE, DROUGHT AND INSECTS ON OAK PINE FORESTS IN THE OZARKS - A REGIONAL SCALE ASSESSMENT	10.RD					\$40,392	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
RECRUITMENT DYNAMICS IN NATURALLY REGENERATED LONGLEAF PINE WOODLANDS: COLLABORATIVE PROJECT YEAR ONE, STUDENT ONE	10.RD					\$3,126	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
DEVELOPING HISTORIC FIRE REGIMES IN THE EASTERN REGION R9, USFS	10.RD					\$5,963	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
OAK WOODLANDS & FORESTS FIRE CONSORTIUM, 2016 TO 2019	10.RD					\$202,981	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
MODELING FIRE-INDUCED TREE MORTALITY FOR EASTERN HARDWOOD FORESTS	10.RD					\$7,758	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
THE SURVIVAL AND PERFORMANCE OF IMPROVED SHORLEAF PINE SEEDLINGS	10.RD					\$5,276	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
INTEGRATED DISEASE MANAGEMENT FOR WHITE-NOSE SYNDROME	10.RD					\$47,347	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
ABUNDANCE, SURVIVAL, AND VIABILITY OF GOLDEN-CHEEKED WARBLER ON BALCONES CANYONLANDS PRESERVE, AUSTIN, TX	10.RD					\$30,469	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
PREDICTING FOREST LANDSCAPE CHANGE TO SUPPORT ENVIRONMENTAL ANALYSES AND DECISION MAKING	10.RD					\$22,879	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
IUS FOREST SERVICE - MISSOURI S&T STUDENT INTERNS	10.RD					\$21,138	\$733,270	RESEARCH AND DEVELOPMENT	\$168,798,546
FSA - GREAT RIVERS C&U 2013-2018	10.U01					\$2	\$2	N/A	\$0
MIXEDWOODS WORKSHOP	10.U02					\$22,218	\$22,218	N/A	\$0
<b>TOTAL DEPARTMENT OF AGRICULTURE</b>						<b>\$1,372,702</b>	<b>\$42,955,720</b>		
<b>DEPARTMENT OF COMMERCE</b>									
STATISTICAL, RESEARCH, AND METHODOLOGY ASSISTANCE	11.016					\$145,691	\$145,691	N/A	\$0
CLUSTER GRANTS	11.020					\$68,480	\$68,480	RESEARCH AND DEVELOPMENT	\$168,798,546
ECONOMIC DEVELOPMENT, TECHNICAL ASSISTANCE	11.303					\$119,238	\$119,238	N/A	\$0
TRADE ADJUSTMENT ASSISTANCE FOR FIRMS	11.313					\$1,264,749	\$1,264,749	N/A	\$0
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS	11.609					\$41,550	\$41,550	RESEARCH AND DEVELOPMENT	\$168,798,546
MANUFACTURING EXTENSION PARTNERSHIP	11.611		MISSOURI ENTERPRISE BUSINESS ASSISTANCE	N/A		\$544,532	\$544,532	N/A	\$0
EARTH NETWORKS AGREEMENT, SECOND MODIFICATION	11.U01		EARTH NETWORKS INC	N/A		\$84,005	\$84,005	N/A	\$0
<b>TOTAL DEPARTMENT OF COMMERCE</b>							<b>\$2,268,245</b>		
<b>DEPARTMENT OF DEFENSE</b>									
PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS	12.002					\$5,139	\$631,924	N/A	\$0
COLLABORATIVE RESEARCH AND DEVELOPMENT	12.114					\$11,957	\$11,957	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300					\$91,789	\$4,001,199	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		INNOVATIVE VETERINARY MEDICINE INC	SUB-AGREEMENT 7001-03		\$67,116	\$4,100,663	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		PURDUE UNIVERSITY	4104-79717		\$32,348	\$4,100,663	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351					\$115,000	\$634,167	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		UNIVERSITY OF FLORIDA	UFDSP00011428		\$72,464	\$768,265	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		UNIVERSITY OF TENNESSEE	A16-0325-5001		\$61,634	\$768,265	RESEARCH AND DEVELOPMENT	\$168,798,546
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420					\$233,925	\$2,986,961	RESEARCH AND DEVELOPMENT	\$168,798,546
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		COLUMBIA UNIVERSITY	1(GG014473)		\$70,150	\$2,986,961	RESEARCH AND DEVELOPMENT	\$168,798,546
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		FOUNDATION FOR ADVANCING VETERANS HEALTH RESEARCH	PUGDODEP150013-UMSL		\$73,387	\$2,986,961	RESEARCH AND DEVELOPMENT	\$168,798,546
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		HENRY M JACKSON FOUNDATION	3671		\$34,258	\$2,986,961	RESEARCH AND DEVELOPMENT	\$168,798,546
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		SHIFT PHARMACEUTICALS	N/A		\$171,725	\$2,986,961	RESEARCH AND DEVELOPMENT	\$168,798,546
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		STANFORD UNIVERSITY	61151604 - 118921		\$17,999	\$2,986,961	RESEARCH AND DEVELOPMENT	\$168,798,546

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MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		THE FEINSTEIN INSTITUTE FOR MEDICAL RESEARCH	500512 UMC		\$141	\$2,986,961	RESEARCH AND DEVELOPMENT	\$168,798,546
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		UNIVERSITY OF IDAHO	FBK360-SB-001		\$36,617	\$2,986,961	RESEARCH AND DEVELOPMENT	\$168,798,546
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		VIRGINIA COMMONWEALTH UNIVERSITY	PT108802-SCI07143		\$117,543	\$2,986,961	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC SCIENTIFIC RESEARCH	12.431				\$767,527	\$3,000,934	\$4,459,492	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC SCIENTIFIC RESEARCH	12.431		CARNEGIE MELLON UNIVERSITY	1130233-417379		\$65,403	\$4,459,492	RESEARCH AND DEVELOPMENT	\$168,798,546
			LEONARD WOOD INSTITUTE	2018-003					
			LEONARD WOOD INSTITUTE	2018-004					
			LEONARD WOOD INSTITUTE	2018-005					
			LEONARD WOOD INSTITUTE	2018-014					
			LEONARD WOOD INSTITUTE	2018-018					
			LEONARD WOOD INSTITUTE	2018-022					
			LEONARD WOOD INSTITUTE	2018-041					
			LEONARD WOOD INSTITUTE	2018-050					
BASIC SCIENTIFIC RESEARCH	12.431		LEONARD WOOD INSTITUTE	2018-062		\$446,627	\$4,459,492	RESEARCH AND DEVELOPMENT	\$168,798,546
			LEONARD WOOD INSTITUTE	SUBAWARD 2018-006					
BASIC SCIENTIFIC RESEARCH	12.431		LEONARD WOOD INSTITUTE	SUBAWARD 2018-063		\$697,486	\$4,459,492	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC SCIENTIFIC RESEARCH	12.431		PPG INDUSTRIES INC	F2D78244		\$10,190	\$4,459,492	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC SCIENTIFIC RESEARCH	12.431		UNIVERSITY OF CALIFORNIA LOS ANGELES	1000 G TE691		\$190,281	\$4,459,492	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC SCIENTIFIC RESEARCH	12.431		UNIVERSITY OF MARYLAND	31590-Z8415101		\$48,582	\$4,459,492	RESEARCH AND DEVELOPMENT	\$168,798,546
TROOPS TO TEACHERS GRANT PROGRAM	12.620		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$713	\$713	N/A	\$0
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		ACADEMY OF APPLIED SCIENCE	SG-16-090		\$3,662	\$98,040	N/A	\$0
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		JUNIOR SCIENCE & HUMANITIES SYMPOSIUM	727325		\$15,611	\$98,040	N/A	\$0
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		AMERICAN LIGHTWEIGHT MATERIALS MFG	PO # 4005-01		\$78,754	\$98,040	RESEARCH AND DEVELOPMENT	\$168,798,546
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		CATEPILLAR INC	0044273		\$13	\$98,040	RESEARCH AND DEVELOPMENT	\$168,798,546
UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS	12.750					\$6,886	\$237,908	RESEARCH AND DEVELOPMENT	\$168,798,546
UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS	12.750		HENRY M JACKSON FOUNDATION	4270	\$64,469	\$231,022	\$237,908	RESEARCH AND DEVELOPMENT	\$168,798,546
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800				\$64,564	\$647,835	\$1,050,842	RESEARCH AND DEVELOPMENT	\$168,798,546
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		BOING CO	1495134		\$6,872	\$1,050,842	RESEARCH AND DEVELOPMENT	\$168,798,546
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		INDIANA UNIVERSITY	BL-4331206-MST		\$100,708	\$1,050,842	RESEARCH AND DEVELOPMENT	\$168,798,546
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		OHIO STATE UNIVERSITY	60051333		\$11,884	\$1,050,842	RESEARCH AND DEVELOPMENT	\$168,798,546
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		UNIVERSITY OF CALIFORNIA LOS ANGELES	1000 G TC133		\$82,054	\$1,050,842	RESEARCH AND DEVELOPMENT	\$168,798,546
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		UNIVERSITY OF MARYLAND	57641-Z8057201		\$138,839	\$1,050,842	RESEARCH AND DEVELOPMENT	\$168,798,546
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		UNIVERSITY OF NEW HAMPSHIRE	16-053		\$72,650	\$1,050,842	RESEARCH AND DEVELOPMENT	\$168,798,546
INFORMATION SECURITY GRANTS	12.902					\$39,261	\$39,261	RESEARCH AND DEVELOPMENT	\$168,798,546
GENCYBER GRANTS PROGRAM	12.903					\$22,857	\$22,857	RESEARCH AND DEVELOPMENT	\$168,798,546
CYBERSECURITY CORE CURRICULUM	12.905					\$100,725	\$100,725	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910					\$306,845	\$312,812	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		UNIVERSITY OF SOUTH FLORIDA	2105-1138-00-A		\$5,967	\$312,812	RESEARCH AND DEVELOPMENT	\$168,798,546
ADDITIVE MANUFACTURING OF GRIN OPTICS	12.RD	FA8650-16-C-5412				\$871	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
DELAY TOLERANT NETWORK SOFTWARE AND HARDWARE SYSTEM	12.RD	FA8750-16-C-0148				\$915	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
ON THE STABILITY OF HIGH FREQUENCY WAVE REGIONAL AMPLITUDES: A STUDY OF MIDDLE EASTERN Q MODELS AND THEIR RELIABILITY	12.RD	FA9453-17-C-0027			\$82,058	\$195,436	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
SITE PREPARATION FOR LONGLEAF PINE RESTORATION ON HYDRIC SITES: STAND DEVELOPMENT AND GROUND LAYER RESPONSE 15 YEARS FOLLOWING PLANTING DEVELOPMENT AND EVALUATION OF NON-CHROMATE LHE ZNNI PASSIVATIONS FOR DOD ELECTRICAL CONNECTORS	12.RD	W912HQ-17-C-0022			\$12,538	\$102,622	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
DOD ELECTRICAL CONNECTORS	12.RD	W912HQ18C0065				\$83,792	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
DOD SHORT PULSE RESEARCH, EVALUATION AND NON-SWAP DEMONSTRATION FOR C-SUAV	12.RD	N00014-18-C-1017			\$582,828	\$1,999,981	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
EVALUATION OF STATE-OF-THE-ART MACHINE LEARNING MODELS APPLIED TO SENSING MANEUVERABILITY HAZARDS UNDER MULTIPLE PHENOMENOLOGIES AND PLATFORMS	12.RD	W912HZ19C0018				\$815	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
POST BLAST FORENSICS TRAINING FOR FORT LEONARD WOOD USAMPS	12.RD	W911SF718P0040				\$1	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
YELLOWSTONE RIVER CULTURAL INVENTORY UPDATE WITH EMPHASIS ON DROUGHT AND FLOOD PREPAREDNESS	12.RD	W9128F18P0124				\$3,654	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
SENIOR DESIGN PROJECT: 2018 MARSOC TE 2 SPEECH TRANSLATION	12.RD	2102796-14	STEVENS INSTITUTE OF TECHNOLOGY	2102796-14		\$1,876	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
SENIOR DESIGN PROJECT: 2018 MARSOC TE 3 PORTABLE TRANSLATOR	12.RD	2102796-15	STEVENS INSTITUTE OF TECHNOLOGY	2102796-15		\$2,499	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
BIO-INSPIRED FUNCTIONALLY GRADED COMPOSITES FOR BLAST AND IMPACT HAZARD MITIGATION	12.RD	19-03-037	UNIVERSITY OF MISSISSIPPI	19-03-037		\$39,973	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
INNOVATIVE CASTING TECHNOLOGIES/INTENSIVE QUENCHING TO PRODUCE HIGH PERFORMANCE CAST PARTS	12.RD	2018-509-01	ADVANCED TECHNOLOGY INTERNATIONAL	2018-509-01		\$69,198	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
COMPACT SOURCE, HIGH ENERGY DENSITY CAPACITOR FOR PULSED POWER APPLICATIONS	12.RD	DOTC-17-01-INI0115	ADVANCED TECHNOLOGY INTERNATIONAL	DOTC-17-01-INI0115		\$226,489	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
AFRL SAR CURATION PILOT EFFORT	12.RD	00117	APPLIED RESEARCH SOLUTIONS	00117		\$45,933	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH AND DEVELOPMENT OF RESILIENT SOLAR CELL COVER GLASS BONDING TRAJECTORY RECONSTRUCTION ALGORITHMS FOR CONSISTENT EVENT REGISTRATION (TRACER)	12.RD	160300	APPLIED TECHNOLOGY ASSOCIATES	160300		\$6,063	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
ADDITIVE MANUFACTURING OF TRANSPARENT GLASS FOR REFRACTIVE OPTICS AND LIGHT ROUTING	12.RD	160560	APPLIED TECHNOLOGY ASSOCIATES	160560		\$232,619	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
FREQUENCY-AGILE, SOLID-STATE, PHOTOCONDUCTIVE-SWITCH-BASED HIGH POWER MICROWAVE (HPM) GENERATOR	12.RD	238-5404-MST	AZIMUTH CORPORATION	238-5404-MST		\$60,809	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
INCORPORATION OF SURFACE RESIDUAL STRESS ENGINEERING INTO AEROSPACE PRACTICE (BA-16)	12.RD	1110264	BOEING CO	1110264		\$46,355	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
SURFACE RESIDUAL STRESS RESOLUTION STUDY	12.RD	1666774	BOEING CO	1666774		\$118	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546

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VIRTUALLY GUIDED CERTIFICATION OF COMPUTER NUMERICALLY CONTROLLED MACHINE TOOLS VIA VIRTUAL TWIN	12.RD	PC1330354	BOEING CO	PC1330354	\$20,500	\$101,155	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
BAH IFSR DCNV SENSOR ANGLE STUDY	12.RD	105087590T	BOOZ ALLEN HAMILTON	105087590T		\$38,749	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
ITTA - L-BAND C-LIAS	12.RD	N00178-04-D4024	BOOZ ALLEN HAMILTON	N00178-04-D4024		\$24	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
PCSS SYSTEM STUDY	12.RD	S9000478AH	BOOZ ALLEN HAMILTON	S9000478AH		\$8,300	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
NGA BAH RECON	12.RD	S9024278AH	BOOZ ALLEN HAMILTON	S9024278AH		\$37,886	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
MISSOURI S&T SUPPORT OF CRDRC MDA STTR PHASE I OPTION - FINE POWDER CATHODE AND SEPARATOR BINDER CHARACTERIZATION FOR THERMAL BATTERIES	12.RD	20160532	CFD RESEARCH CORPORATION	20160532		\$5,899	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
CFDRC MDA STTR PHASE II - FINE POWDER CATHODE AND SEPARATOR BINDER CHARACTERIZATION FOR THERMAL BATTERIES	12.RD	9324	CFD RESEARCH CORPORATION	9324		\$160,567	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
ALTERNATIVE MIXING TECHNOLOGIES FOR HIGH ENERGY, SOLID MATERIALS FOR LARGE GAS GENERATOR PROPELLANT	12.RD	N0003018C0203	E&G ASSOCIATES INC	N0003018C0203		\$25,202	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
DEVELOPMENT OF EXPLOSIVE FEEDSTOCK FOR COMMERCIAL-OFF-THE-SHELF (COTS) 3D PRINTERS	12.RD	N0017817C1128	E&G ASSOCIATES INC	N0017817C1128		\$13	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
SCALE UP OF DIELECTRIC FILMS FOR HIGH ENERGY DENSITY CAPACITORS	12.RD	4500054937	GENERAL ATOMICS	4500054937		\$4,736	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
REGION C DD42 LOT 4	12.RD	A000436237	HARRIS CORPORATION	A000436237		\$415,907	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
FGCM REGION C DO26	12.RD	A000460790	HARRIS CORPORATION	A000460790		\$132,131	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
LARGE MASS DUAL BORE REVERSIBLE HELICALELECTROMAGNETIC LAUNCHER SBIR/STTR: ARMY'S PHASE II: SBIR PROPOSAL, RADIOLYTIC ATOMIC CELL FOR LONG-LIVED SENSORS	12.RD	N000278076	HONEYWELL FEDERAL MFG AND TECH	N000278076		\$3,923	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
STTR: DESTRUCTION OF AFFE IN HFZ REACTOR, PHASE II	12.RD	00063289	LIQUID CARBONIC LLC	00063289		\$119,177	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
STTR: DESTRUCTION OF AFF IN HFZ REACTOR	12.RD	F4805118P0002	LIQUID CARBONIC LLC	F4805118P0002		\$36,511	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGH ENERGY DENSITY CAPACITORS FOR DIRECTED ENERGY SYSTEMS	12.RD	N/A	NANOELECTROMAGNETICS LLC	N/A		\$44,957	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
PRECISION MACHINING OF COMPOSITE STRUCTURES	12.RD	N/A	PRODUCT INNOVATION AND ENGINEERING LLC	N/A		\$152,981	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
ADVANCED SILICON DIODE SWITCH FOR HPRF SYSTEMS	12.RD	0049209	RADIATION DETECTION TECHNOLOGY INC	0049209		\$113,751	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
R960 EVALUATING ALTERNATIVE MAINTENANCE FORCE STRUCTURE CONCEPTS FOR THE F-35A	12.RD	9920180106	RAND COPROARTION	9920180106		\$11,311	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
R970 OPTIMAL BASING POSTURE FOR CONUS-BASED FORCES	12.RD	9920190001	RAND COPROARTION	9920190001		\$15,456	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
R920 - FIGHTING FROM NON-SANCTUARY BASES IN THE INDO-PACIFIC AREA OF OPERATIONS	12.RD	9920190003	RAND COPROARTION	9920190003		\$15,142	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGH STRENGTH LIGHTWEIGHT STEELS FOR IMPROVED MILITARY READINESS	12.RD	2017-106	STEEL FOUNDERS' SOCIETY OF AMERICA	2017-106		\$108,589	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
MATERIALS MODELING TOOL FOR ALLOY DESIGN TO STREAMLINE THE DEVELOPMENT OF HIGH TEMPERATURE, HIGH-ENTROPY ALLOYS FOR ADVANCED PROPULSION SYSTEMS	12.RD	2074-001-02	TECHNICAL DATA ANALYSIS INC	2074-001-02		\$5,645	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
RFID FOR METALLIC ENVIRONMENT	12.RD	N122-126	TECHNICAL DATA ANALYSIS INC	N122-126		\$24,365	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
DESIGN AND PROTOTYPING OF A REAL-TIME MILLIMETER WAVE COMPRESSIVE SENSING IMAGER	12.RD	A7605-400-16-SC1608	TEXAS RESEARCH INSTITUTE AT AUSTIN	A7605-400-16-SC1608		\$43,540	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
INSPECTION SYSTEM FOR BODY AND VEHICLE BALLISTIC ARMOR	12.RD	F-30100-SC1711	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30100-SC1711		\$15,000	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
RAPID, FIELD-DEPLOYABLE & NONINVASIVE MICROWAVE METHOD FOR CONCRETE ASSESSMENT	12.RD	F-30119-500-01-SC1690	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30119-500-01-SC1690		\$56,959	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
ACCURATE & FIELD-DEPLOYABLE MICROWAVE NONDESTRUCTIVE EVALUATION OF ABLATIVES	12.RD	F-30124-500-01-SC1706	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30124-500-01-SC1706		\$44,000	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
MICROWAVE-BASED GUIDED WAVE IMPEDANCE ASSESSMENT OF THIN RESISTIVE COATINGS	12.RD	F-30130G-500-01-SC1750	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30130G-500-01-SC1750		\$11,686	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
SBIR: NONDESTRUCTIVE EVALUATION OF COMPOSITE SUBSTRATE BELOW THICK TOP COAT MATERIALS	12.RD	F-30131G-500-01-SC1757	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30131G-500-01-SC1757		\$21,058	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
MULTI-MODE MICROPROPULSION CUBESAT TECHNOLOGY DEMONSTRATION MISSION	12.RD	CP0039814	UTAH STATE UNIVERSITY	CP0039814		\$5,860	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
ENABLING FORMATION FLYING WITH MULTI-MODE MICROPROPULSION	12.RD	CP0053709	UTAH STATE UNIVERSITY RESEARCH FOUNDATION	CP0053709		\$9,577	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
ACUTE MRI CHANGES IN ASSOCIATION WITH A SINGLE HYPOBARIC OR HYPOXIC EXPOSURE	12.RD	T72708	WYLE LAB INC	T72708		\$34,827	\$5,060,714	RESEARCH AND DEVELOPMENT	\$168,798,546
POST BLAST FORENSICS TRAINING FOR FORT LEONARD WOOD USAMPS	12.U01	W9115718P0042				\$33,312	\$33,312	N/A	\$0
NGA PROGRAM OF STUDY IN DATA SCIENCE	12.U02	HM047616C0037			\$340,944	\$2,222,330	\$2,222,330	N/A	\$0

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<b>TOTAL DEPARTMENT OF DEFENSE</b>					<b>\$2,381,281</b>	<b>\$22,138,776</b>			
<b>DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT</b>									
COMMUNITY DEVELOPMENT BLOCK GRANTS/ENTITLEMENT GRANTS	14.218		CITY OF COLUMBIA MISSOURI	N/A		\$1,301	\$7,802	CDBG - DISASTER RECOVERY GRANTS - PUB. L. NO. 113-2 CLUSTER	\$7,802
COMMUNITY DEVELOPMENT BLOCK GRANTS/ENTITLEMENT GRANTS	14.218		CITY OF KANSAS CITY MISSOURI	N/A		\$6,501	\$7,802	CDBG - DISASTER RECOVERY GRANTS - PUB. L. NO. 113-2 CLUSTER	\$7,802
TO CREATE NEW HEALTHY HOMES PUBLICATIONS/GUIDES FOR PUERTO RICO AND THE UNITED STATES VIRGIN ISLANDS	14.U01	86543119P00007				\$18,118	\$18,118	N/A	\$0
<b>TOTAL DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT</b>						<b>\$25,920</b>			
<b>DEPARTMENT OF THE INTERIOR</b>									
SPORT FISH RESTORATION PROGRAM	15.605		MISSOURI DEPARTMENT OF CONSERVATION MISSOURI DEPARTMENT OF CONSERVATION	380 424		\$212,336	\$212,336	RESEARCH AND DEVELOPMENT	\$168,798,546
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		KANSAS WILDLIFE, PARKS AND TROURISM	N/A		\$109,058	\$887,552	RESEARCH AND DEVELOPMENT	\$168,798,546
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		MISSOURI DEPARTMENT OF CONSERVATION MISSOURI DEPARTMENT OF CONSERVATION MISSOURI DEPARTMENT OF CONSERVATION	357 369 373					
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		MISSOURI DEPARTMENT OF CONSERVATION	377	\$66,482	\$564,059	\$887,552	RESEARCH AND DEVELOPMENT	\$168,798,546
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		NEBRASKA GAME AND PARKS	N/A		\$77,051	\$887,552	RESEARCH AND DEVELOPMENT	\$168,798,546
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		PENNSYLVANIA GAME COMMISSION	4300589787					
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		PENNSYLVANIA GAME COMMISSION STATE OF NEBRASKA	P04300410870 N/A	\$116,452	\$20,932	\$887,552	RESEARCH AND DEVELOPMENT	\$168,798,546
STATE WILDLIFE GRANTS	15.634		ARKANSAS GAME AND FISH COMMISSION	N/A		\$22,624	\$22,624	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH GRANTS (GENERIC)	15.650					\$9,716	\$9,716	RESEARCH AND DEVELOPMENT	\$168,798,546
NATURAL RESOURCE DAMAGE ASSESSMENT, RESTORATION AND IMPLEMENTATION	15.658						\$52,182	RESEARCH AND DEVELOPMENT	\$168,798,546
FISH AND WILDLIFE COORDINATION AND ASSISTANCE PROGRAMS	15.664		MISSOURI CONSERVATION HERITAGE FOUNDATION	N/A		\$1,355	\$1,355	RESEARCH AND DEVELOPMENT	\$168,798,546
COOPERATIVE LANDSCAPE CONSERVATION	15.669		KANSAS WILDLIFE, PARKS AND TROURISM	N/A		\$1,412	\$52,543	RESEARCH AND DEVELOPMENT	\$168,798,546
COOPERATIVE LANDSCAPE CONSERVATION	15.669		NEBRASKA GAME AND PARKS	N/A		\$51,131	\$52,543	RESEARCH AND DEVELOPMENT	\$168,798,546
COOPERATIVE ECOSYSTEM STUDIES UNITS	15.678					\$72,193	\$72,193	RESEARCH AND DEVELOPMENT	\$168,798,546
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805					\$66,526	\$66,526	RESEARCH AND DEVELOPMENT	\$168,798,546
U.S. GEOLOGICAL SURVEY_ RESEARCH AND DATA COLLECTION	15.808					\$24,619	\$80,063	N/A	\$0
U.S. GEOLOGICAL SURVEY_ RESEARCH AND DATA COLLECTION	15.808					\$55,444	\$80,063	RESEARCH AND DEVELOPMENT	\$168,798,546
COOPERATIVE RESEARCH UNITS PROGRAM	15.812				\$12,770	\$318,480	\$318,480	RESEARCH AND DEVELOPMENT	\$168,798,546
NATIONAL CLIMATE CHANGE AND WILDLIFE SCIENCE CENTER	15.820		UNIVERSITY OF MASSACHUSETTS UNIVERSITY OF MASSACHUSETTS	12 007036 E 17-009638 A 00		\$142,136	\$142,136	RESEARCH AND DEVELOPMENT	\$168,798,546
HISTORIC PRESERVATION FUND GRANTS-IN-AID	15.904		MISSOURI DEPARTMENT OF NATURAL RESOURCES	29-18-161413-001		\$17,542	\$17,542	N/A	\$0
NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT	15.922					\$48,323	\$48,323	N/A	\$0
NATIONAL HERITAGE AREA FEDERAL FINANCIAL ASSISTANCE	15.939		FREEDOM'S FRONTIER NATL HERITAGE AREA	N/A		\$111	\$111	N/A	\$0
NATURAL RESOURCE STEWARDSHIP	15.944					\$2,413	\$2,413	RESEARCH AND DEVELOPMENT	\$168,798,546
COOPERATIVE RESEARCH AND TRAINING PROGRAMS D RESOURCES OF THE NATIONAL PARK SYSTEM	15.945					\$31,904	\$125,706	N/A	\$0
COOPERATIVE RESEARCH AND TRAINING PROGRAMS D RESOURCES OF THE NATIONAL PARK SYSTEM	15.945					\$93,802	\$125,706	RESEARCH AND DEVELOPMENT	\$168,798,546
NATIONAL ATMOSPHERIC DEPOSITION PROGRAM	15.U01	G16PX00487				\$8,351	\$8,351	N/A	\$0
<b>TOTAL DEPARTMENT OF THE INTERIOR</b>					<b>\$79,252</b>	<b>\$2,120,152</b>			
<b>DEPARTMENT OF JUSTICE</b>									
GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS	16.525					\$68,169	\$68,169	N/A	\$0
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560				\$40,163	\$1,184,456	\$1,242,673	RESEARCH AND DEVELOPMENT	\$168,798,546



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NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560		UNIVERSITY OF VIRGINIA UNIVERSITY OF VIRGINIA	GG11811 147780 GG12074 PO 2122567		\$58,217	\$1,242,673	RESEARCH AND DEVELOPMENT	\$168,798,546
CRIME VICTIM ASSISTANCE	16.575		MISSOURI DEPARTMENT OF SOCIAL SERVICES MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER130180034 ER130180111		\$326,003	\$326,003	N/A	\$0
JUVENILE MENTORING PROGRAM	16.726		NATIONAL 4-H COUNCIL NATIONAL 4-H COUNCIL	4-H NMP8 N/A		\$132,715	\$132,715	N/A	\$0
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738		MISSOURI DEPARTMENT OF NATURAL RESOURCES	CS182319001		\$26,000	\$106,937	N/A	\$0
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738		KANSAS CITY MISSOURI POLICE DEPARTMENT	2016-WY-BX-0006	\$10,269	\$80,937	\$106,937	RESEARCH AND DEVELOPMENT	\$168,798,546
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751		KANSAS CITY MISSOURI POLICE DEPARTMENT	2017-DG-BX-0001	\$12,807	\$27,201	\$80,895	N/A	\$0
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751		CITY OF ST LOUIS MISSOURI METRO POLICE DEPARTMENT	2016-DG-BX-K001		\$53,494	\$80,895	RESEARCH AND DEVELOPMENT	\$168,798,546
HAROLD ROGERS PRESCRIPTION DRUG MONITORING PROGRAM	16.754		ST LOUIS COUNTY MISSOURI	38-663		\$69,547	\$69,547	RESEARCH AND DEVELOPMENT	\$168,798,546
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817		CITY OF ST LOUIS DEPARTMENT OF HEALTH	HD CONTRACT #16-27		\$57,146	\$57,146	RESEARCH AND DEVELOPMENT	\$168,798,546
ATF EXPLOSIVE ENGINEERING COURSES	16.RD	DIA-15-AHDQ-K-0184				\$435,559	\$435,559	RESEARCH AND DEVELOPMENT	\$168,798,546
UMKC/CFA CLEARMYRECORD EXPUNGEMENT PROJECT	16.U01	19998	JACKSON COUNTY MISSOURI	19998		\$1,453	\$1,453	N/A	\$0
<b>TOTAL DEPARTMENT OF JUSTICE</b>						<b>\$63,239</b>	<b>\$2,520,897</b>		
<b>DEPARTMENT OF LABOR</b>									
WIA DISLOCATED WORKER FORMULA GRANTS	17.278		MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	10-36-36-18 99-21-16-17		\$160,757	\$160,757	WIOA CLUSTER	\$160,757
<b>TOTAL DEPARTMENT OF LABOR</b>							<b>\$160,757</b>		
<b>DEPARTMENT OF STATE</b>									
PUBLIC DIPLOMACY PROGRAMS	19.040					\$35,688	\$35,688	N/A	\$0
BUREAU OF WESTERN HEMISPHERE AFFAIRS (WHA) GRANT PROGRAMS (INCLUDING ENERGY AND CLIMATE PARTNERSHIP FOR THE AMERICAS)	19.750		CENTRO DE DESARROLLO EMPRESARIAL PARA LA	N/A		-\$3,960	\$800	N/A	\$0
BUREAU OF WESTERN HEMISPHERE AFFAIRS (WHA) GRANT PROGRAMS (INCLUDING ENERGY AND CLIMATE PARTNERSHIP FOR THE AMERICAS)	19.750		UNIVERSIDAD ICESI	N/A		\$4,760	\$800	N/A	\$0
<b>TOTAL DEPARTMENT OF STATE</b>							<b>\$36,488</b>		
<b>DEPARTMENT OF TRANSPORTATION</b>									
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109				-\$50,126	\$62,095	\$62,095	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200					\$83,727	\$465,581	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		BOOZ ALLEN HAMILTON	SP9001398AH		\$32,597	\$465,581	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		OKLAHOMA DEPARTMENT OF TRANSPORTATION	3459056367		\$160,537	\$465,581	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		OKLAHOMA DEPARTMENT OF TRANSPORTATION	SPR ITEM 2279		\$11,146	\$465,581	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		PARSONS BRINCKERHOFF INC	TASK ORDER NO. 03		\$9,123	\$465,581	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		PURDUE UNIVERSITY	4108-68289		\$7,636	\$465,581	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		SHANNON & WILSON INC	23-1-01565					
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		TRANSPORTATION RESEARCH BOARD TRANSPORTATION RESEARCH BOARD TRANSPORTATION RESEARCH BOARD	HR 04-40 HR 20-05(50-01) HR 20-05(50-11)		\$160,815	\$465,581	RESEARCH AND DEVELOPMENT HIGHWAY PLANNING AND CONSTRUCTION CLUSTER	\$168,798,546
HIGHWAY PLANNING AND CONSTRUCTION	20.205		COOK, FLATT, & STROBEL (CFS) ENGR	N/A		\$109,708	\$2,172,298	CONSTRUCTION CLUSTER	\$662,687
HIGHWAY PLANNING AND CONSTRUCTION	20.205		MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF TRANSPORTATION	N/A S060601C TR201801 TR201908 TTY11101		\$552,979	\$2,172,298	HIGHWAY PLANNING AND CONSTRUCTION CLUSTER	\$662,687
HIGHWAY PLANNING AND CONSTRUCTION	20.205		CALIFORNIA DEPARTMENT OF TRANSPORTATION IOWA DEPARTMENT OF TRANSPORTATION IOWA DEPARTMENT OF TRANSPORTATION	65A0613 00064252 19998		\$407,684	\$2,172,298	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY PLANNING AND CONSTRUCTION	20.205		IOWA DEPARTMENT OF TRANSPORTATION	TPF-5(295) #19025		\$63,221	\$2,172,298	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY PLANNING AND CONSTRUCTION	20.205		MARQUETTE UNIVERSITY	0092-16-01		\$653	\$2,172,298	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY PLANNING AND CONSTRUCTION	20.205		MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF TRANSPORTATION	TR201518 TR201614 TR201702 TR201722 TR201804		\$21,023	\$2,172,298	RESEARCH AND DEVELOPMENT	\$168,798,546

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			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201806					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201807					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201809					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201811					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201901					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201904					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201905					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201910					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201912					
HIGHWAY PLANNING AND CONSTRUCTION	20.205		MISSOURI DEPARTMENT OF TRANSPORTATION	TR201815		\$987,733	\$2,172,298	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY PLANNING AND CONSTRUCTION	20.205		UNIVERSITY OF WISCONSIN-PLATTEVILLE	N/A		\$18,405	\$2,172,298	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY PLANNING AND CONSTRUCTION	20.205		WISCONSIN DEPARTMENT OF TRANSPORTATION	0092-16-07		\$10,892	\$2,172,298	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY TRAINING AND EDUCATION	20.215					\$4,503	\$126,172	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGHWAY TRAINING AND EDUCATION	20.215		IOWA STATE UNIVERSITY	436-17-35		\$121,669	\$126,172	RESEARCH AND DEVELOPMENT	\$168,798,546
FORMULA GRANTS FOR RURAL AREAS	20.509		MISSOURI DEPARTMENT OF TRANSPORTATION	RTAP		\$250,410	\$250,410	RESEARCH AND DEVELOPMENT	\$168,798,546
			MISSOURI DEPARTMENT OF TRANSPORTATION	18-CP-09-006					
			MISSOURI DEPARTMENT OF TRANSPORTATION	18-DE-02-001					
			MISSOURI DEPARTMENT OF TRANSPORTATION	18-RS-11-002					
			MISSOURI DEPARTMENT OF TRANSPORTATION	19-CP-09-005					
			MISSOURI DEPARTMENT OF TRANSPORTATION	19-DE-02001					
			MISSOURI DEPARTMENT OF TRANSPORTATION	19-EM-02-001					
			MISSOURI DEPARTMENT OF TRANSPORTATION	19-RS-11-002					
STATE AND COMMUNITY HIGHWAY SAFETY	20.600		MISSOURI DEPARTMENT OF TRANSPORTATION	19-TSP-14-001	\$25,474	\$471,739	\$471,739	HIGHWAY SAFETY CLUSTER	\$808,767
			MISSOURI DEPARTMENT OF TRANSPORTATION	18-154-AL-182					
ALCOHOL OPEN CONTAINER REQUIREMENTS	20.607		MISSOURI DEPARTMENT OF TRANSPORTATION	19-154-AL-153	\$7,989	\$120,832	\$120,832	N/A	\$0
			MISSOURI DEPARTMENT OF TRANSPORTATION	18-MSTR-03-003					
			MISSOURI DEPARTMENT OF TRANSPORTATION	19-MSTR-03-006					
NATIONAL PRIORITY SAFETY PROGRAMS	20.616		MISSOURI DEPARTMENT OF TRANSPORTATION	812HP06800018		\$337,028	\$357,028	HIGHWAY SAFETY CLUSTER	\$808,767
NATIONAL PRIORITY SAFETY PROGRAMS	20.616		MISSOURI DEPARTMENT OF PUBLIC SAFETY			\$20,000	\$357,028	RESEARCH AND DEVELOPMENT	\$168,798,546
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701				\$813,510	\$1,685,657	\$2,409,048	RESEARCH AND DEVELOPMENT	\$168,798,546
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		FLORIDA ATLANTIC UNIVERSITY	UR-K104		\$13,288	\$2,409,048	RESEARCH AND DEVELOPMENT	\$168,798,546
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		IOWA STATE UNIVERSITY	436-77-40		\$61,942	\$2,409,048	RESEARCH AND DEVELOPMENT	\$168,798,546
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		UNIVERSITY OF ALASKA	UAF 17-0108 / PO P0515932		\$312,481	\$2,409,048	RESEARCH AND DEVELOPMENT	\$168,798,546
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		UNIVERSITY OF NEBRASKA LINCOLN	25-1121-0005-130		\$335,680	\$2,409,048	RESEARCH AND DEVELOPMENT	\$168,798,546
INTERAGENCY HAZARDOUS MATERIALS PUBLIC SECTOR TRAINING AND PLANNING GRANTS	20.703		MISSOURI OFFICE OF ADMINISTRATION	CS160215002		\$2,435	\$2,435	N/A	\$0
PIPELINE SAFETY RESEARCH COMPETITIVE ACADEMIC AGREEMENT PROGRAM (CAAP)	20.724					\$83,168	\$83,168	RESEARCH AND DEVELOPMENT	\$168,798,546
HIGH-SPATIAL- AND HYPERSPECTRAL-RESOLUTION IMAGING FOR BRIDGE INSPECTION PREPARATION AND PRODUCTION OF AN NVPM ELMS COURSE.	20.RD	0002	AWARE VEHICLES INC	0002		\$46,993	\$424,124	RESEARCH AND DEVELOPMENT	\$168,798,546
	20.RD	S901646BAH-2	BOOZ ALLEN HAMILTON	S901646BAH-2		\$86,775	\$424,124	RESEARCH AND DEVELOPMENT	\$168,798,546
2018 MULTIDISCIPLINARY AIRBORNE EXPERIMENT (ND-MAX) CAMPAIGN	20.RD	S90164BAH	BOOZ ALLEN HAMILTON	S90164BAH	\$177,000	\$177,000	\$424,124	RESEARCH AND DEVELOPMENT	\$168,798,546
NCHRP18-17 ENTRAINED AIR VOID SYSTEM FOR DURABLE HIGHWAY CONCRETE	20.RD	428-17-14A	IOWA STATE UNIVERSITY	428-17-14A		\$41,289	\$424,124	RESEARCH AND DEVELOPMENT	\$168,798,546
UPDATE TARGETED WORK ZONE ENGAGEMENT FRAMEWORK AND CONDUCT WORKSHOPS   FHWA TASK ORDER NO. HOTOXX1700000026PR	20.RD	TASK ORDER RELEASE NO. 1	LEIDOS INC	TASK ORDER RELEASE NO. 1		\$5,567	\$424,124	RESEARCH AND DEVELOPMENT	\$168,798,546
NCHRP 12-104: GUIDELINES TO IMPROVE THE QUALITY OF ELEMENT-LEVEL BRIDGE INSPECTION DATA	20.RD	HR 12-104	TRANSPORTATION RESEARCH BOARD	HR 12-104	\$2,460	\$56,303	\$424,124	RESEARCH AND DEVELOPMENT	\$168,798,546
EVALUATION OF AIRPORT WAYFINDING ACCESSIBILITY WITH THE USE OF A WHEELCHAIR SIMULATOR	20.RD	N/A	VIRGINIA SPACE GRANT CONSORTIUM	N/A		\$10,197	\$424,124	RESEARCH AND DEVELOPMENT	\$168,798,546
DEVELOPMENT OF DESIGN GUIDANCE FOR BELOW GROUND MASS HIGH PERFORMANCE CONCRETE POURS II	20.U01	TASK ORDER 4	WSP USA INC	TASK ORDER 4		\$38,789	\$38,789	N/A	\$0
<b>TOTAL DEPARTMENT OF TRANSPORTATION</b>						<b>\$976,307</b>	<b>\$6,983,719</b>		
<b>DEPARTMENT OF TREASURY</b>									
LOW INCOME TAXPAYER CLINICS	21.008					\$97,877	\$97,877	N/A	\$0
VOLUNTEER INCOME TAX ASSISTANCE (VITA) MATCHING GRANT PROGRAM	21.009				\$6,216	\$26,461	\$26,461	N/A	\$0
STUDY ON THE PERFORMANCE OF BRIDGES	21.RD	2000009045	TRANSPORTATION RESEARCH BOARD	2000009045		\$37,652	\$37,652	RESEARCH AND DEVELOPMENT	\$168,798,546
<b>TOTAL DEPARTMENT OF TREASURY</b>						<b>\$6,216</b>	<b>\$161,990</b>		
<b>APPALACHIAN REGIONAL COMMISSION</b>									
APPALACHIAN RESEARCH, TECHNICAL ASSISTANCE, AND DEMONSTRATION PROJECTS	23.011					\$25,436	\$25,436	N/A	\$0
<b>TOTAL APPALACHIAN REGIONAL COMMISSION</b>							<b>\$25,436</b>		
<b>OFFICE OF PERSONNEL MANAGEMENT</b>									

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INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011					\$46,014	\$242,496	N/A	\$0
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011					\$196,482	\$242,496	RESEARCH AND DEVELOPMENT	\$168,798,546
<b>TOTAL OFFICE OF PERSONNEL MANAGEMENT</b>							\$242,496		
<b>NATIONAL AERONAUTICS &amp; SPACE ADMINISTRATION</b>									
SCIENCE	43.001				\$29,768	\$331,003	\$480,505	RESEARCH AND DEVELOPMENT	\$168,798,546
SCIENCE	43.001		CALIFORNIA INSTITUTE OF TECHNOLOGY	5408361		\$7,000	\$480,505	RESEARCH AND DEVELOPMENT	\$168,798,546
			JET PROPULSION LABORATORY	1549171					
			JET PROPULSION LABORATORY	RSA 1623696					
SCIENCE	43.001		JET PROPULSION LABORATORY	RSA1595819		\$77,247	\$480,505	RESEARCH AND DEVELOPMENT	\$168,798,546
			SMITHSONIAN ASTROPHYSICAL OBSERVATORY	G06-17130X					
			SMITHSONIAN ASTROPHYSICAL OBSERVATORY	G07-18123A					
			SMITHSONIAN ASTROPHYSICAL OBSERVATORY	TM9-20009X		\$6,436	\$480,505	RESEARCH AND DEVELOPMENT	\$168,798,546
SCIENCE	43.001		SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15040.001-A		\$55,546	\$480,505	RESEARCH AND DEVELOPMENT	\$168,798,546
SCIENCE	43.001		UNIVERSITY OF MINNESOTA	H006036602		\$3,273	\$480,505	RESEARCH AND DEVELOPMENT	\$168,798,546
EXPLORATION	43.003					\$25,533	\$25,533	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION	43.008					\$5,587	\$709,020	N/A	\$0
EDUCATION	43.008		WHICHITA STATE UNIVERSITY	WSUSUB10430	\$225,584	\$686,726	\$709,020	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION	43.008					\$16,707	\$709,020	RESEARCH AND DEVELOPMENT	\$168,798,546
CROSS AGENCY SUPPORT	43.009					\$8,312	\$8,312	RESEARCH AND DEVELOPMENT	\$168,798,546
SPACE TECHNOLOGY	43.012				\$90,976	\$508,648	\$508,648	RESEARCH AND DEVELOPMENT	\$168,798,546
MILLIMETER-WAVE IMAGING OF AVCOAT BLOCKS - T1-15-01038 BOND VERIFICATION PLAN FOR ORION'S MOLDED AVCOAT BLOCK HEATSHIELD DESIGN	43.RD	T3-0276-FY18	ANALYTICAL MECHANICS ASSOCIATION INC	T3-0276-FY18		\$19,727	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
CLIMATIC AND SOCIOECONOMIC DRIVERS OF LAND COVER AND LAND-USE CHANGE IN TROPICAL ANDEAN ALPINE WETLANDS	43.RD	21512-16-003	SCIENCE SYSTEMS AND APPLICATION INC	21512-16-003		\$26,818	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
DWARFS IN THE DEEPEST FIELDS AT NOON: STUDYING SIZE AND SHAPE OF LOW-MASS GALAXIES OUT TO Z~3 IN FIVE HST LEGACY FIELDS	43.RD	HST-AR-15025.023-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15025.023-A		\$16,908	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
UNIFYING THE INTERSTELLAR EXTINCTION AND ELEMENTAL ABUNDANCES: A COMPREHENSIVE STUDY OF THE DUST PROPERTIES IN INDIVIDUAL INTERSTELLAR SIGHT LINES	43.RD	HST-AR-15037.001-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15037.001-A		-\$6,064	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
SEE CHANGE: TESTING TIME-VARYING DARK ENERGY WITH Z > 1 SUPERNOVAE AND THEIR MASSIVE CLUSTER HOSTS	43.RD	HST-GO-13677.015-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-13677.015-A		-\$5,140	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
DETERMINING THE ROLE OF MERGING IN THE GROWTH OF THE GALAXY CLUSTER POPULATION IN THE MASSIVE AND DISTANT CLUSTERS OF WISE SURVEY	43.RD	HST-GO-14456.001-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-14456.001-A		\$10,787	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
ULTRAVIOLET SPECTROSCOPY OF THE DUST EXTINCTION IN THE M31 INNER BULGE	43.RD	HST-GO-15164.004-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-15164.004-A		\$14,744	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
BUILDING THE SPT-HST LEGACY: IMAGING MASSIVE CLUSTERS TO Z=1.5	43.RD	HST-GO-15307.003-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-15307.003-A		\$30,168	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
SBIR: THIN-PLY COMPOSITE TECHNOLOGY AND APPLICATIONS	43.RD	2091-001-01	TECHNICAL DATA ANALYSIS INC	2091-001-01		\$3,529	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
FREQUENCY SELECTIVE SURFACE-BASED SENSING FOR WIRELESS STRUCTURAL HEALTH MONITORING	43.RD	F30097-500-01-SC1658	TEXAS RESEARCH INSTITUTE AT AUSTIN	F30097-500-01-SC1658		\$30,568	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
DESIGN OF AN ADAPTIVE REAL-TIME MILLIMETER WAVE IMAGING SYSTEM FOR IN-SPACE NDT APPLICATIONS - PHASE II	43.RD	F-30117-G-500-01-SC1687	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30117-G-500-01-SC1687		\$107,847	\$249,892	RESEARCH AND DEVELOPMENT	\$168,798,546
CABLE ROBOT SIMULATION	43.U01	N/A				\$4,642	\$4,642	N/A	\$0
<b>TOTAL NATIONAL AERONAUTICS &amp; SPACE ADMINISTRATION</b>						\$346,328	\$1,986,552		
<b>INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES</b>									
PROMOTION OF THE ARTS _GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024					\$60,079	\$91,103	N/A	\$0
PROMOTION OF THE ARTS _GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024		NEA FOUNDATION	N/A		\$10,000	\$91,103	N/A	\$0
PROMOTION OF THE ARTS _GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024		TEXAS A&M UNIVERSITY	02-M1801009		\$21,024	\$91,103	RESEARCH AND DEVELOPMENT	\$168,798,546
PROMOTION OF THE ARTS _PARTNERSHIP AGREEMENTS	45.025		MISSOURI ARTS COUNCIL	2019-1326		\$20,000	\$20,000	N/A	\$0
			MISSOURI HUMANITIES COUNCIL	2114					
			MISSOURI HUMANITIES COUNCIL	2168					
			MISSOURI HUMANITIES COUNCIL	2181					
PROMOTION OF THE HUMANITIES _FEDERAL/STATE PARTNERSHIP	45.129		MISSOURI HUMANITIES COUNCIL	2211		\$9,757	\$9,757	N/A	\$0
PROMOTION OF THE HUMANITIES _DIVISION OF PRESERVATION AND ACCESS	45.149					\$890	\$890	N/A	\$0
PROMOTION OF THE HUMANITIES _RESEARCH	45.161				\$45,320	\$148,342	\$148,342	RESEARCH AND DEVELOPMENT	\$168,798,546
PROMOTION OF THE HUMANITIES _TEACHING AND LEARNING RESOURCES AND CURRICULUM DEVELOPMENT	45.162					\$19,065	\$19,065	RESEARCH AND DEVELOPMENT	\$168,798,546
MUSEUMS FOR AMERICA	45.301					\$3,937	\$28,507	N/A	\$0
MUSEUMS FOR AMERICA	45.301					\$24,570	\$28,507	RESEARCH AND DEVELOPMENT	\$168,798,546

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GRANTS TO STATES	45.310		MISSOURI STATE LIBRARY	2019-ICE8-SHM18CN8-9057		\$650	\$650	N/A	\$0
NATIONAL LEADERSHIP GRANTS	45.312					\$15,485	\$28,507	N/A	\$0
NATIONAL LEADERSHIP GRANTS	45.312					\$10,002	\$28,507	RESEARCH AND DEVELOPMENT	\$168,798,546
NATIONAL LEADERSHIP GRANTS	45.312		PENNSYLVANIA STATE UNIVERSITY	5901-UM-JMLS-0236		\$3,020	\$28,507	RESEARCH AND DEVELOPMENT	\$168,798,546
LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM	45.313					\$1,080	\$9,179	N/A	\$0
LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM	45.313		WGBH EDUCATIONAL FOUNDATION	K201702146		\$8,099	\$9,179	N/A	\$0
<b>TOTAL INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES</b>						\$45,320	\$356,000		
<b>NATIONAL SCIENCE FOUNDATION</b>									
ENGINEERING GRANTS	47.041					\$3,704,897	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		AWARE VEHICLES INC	0001		\$46,993	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		BOISE STATE UNIVERSITY	8437-PO125243		\$10,350	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		CARNEGIE MELLON UNIVERSITY	1122191-351314		\$1,317	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		GEORGE WASHINGTON UNIVERSITY	15-531		\$6,810	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		IMPEDX DIAGNOSTICS	N/A		\$34,373	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		NORTH CAROLINA STATE UNIVERSITY	2008-1015-03		\$44,167	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		PLASMONIC DIAGNOSTICS LLC	N/A		\$70,284	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		RUTGERS UNIVERSITY	SUBAWARD NO. 2, PO711356		\$96,061	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		TUFTS UNIVERSITY	100854-00001		\$89,416	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	3200001492-18-080		\$2,031	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION	ULRF 16-1120-01		-\$30	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		UNIVERSITY OF TENNESSEE	A17-0549-S001		\$21,420	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGINEERING GRANTS	47.041		WORCESTER POLYTECHNIC INSTITUTE	16-204140-01		-\$12,028	\$4,116,061	RESEARCH AND DEVELOPMENT	\$168,798,546
MATHEMATICAL AND PHYSICAL SCIENCES	47.049					\$4,821,867	\$4,976,468	RESEARCH AND DEVELOPMENT	\$168,798,546
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		NATIONAL RADIO ASTRONOMY OBSERVATORY	1519126		\$23,338	\$4,976,468	RESEARCH AND DEVELOPMENT	\$168,798,546
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	5112413		\$47,084	\$4,976,468	RESEARCH AND DEVELOPMENT	\$168,798,546
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		VIRGINIA POLYTECHNIC INST AND STATE UNIVERSITY	479342-19228		\$20,058	\$4,976,468	RESEARCH AND DEVELOPMENT	\$168,798,546
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		WASHINGTON UNIVERSITY	N/A		\$64,121	\$4,976,468	RESEARCH AND DEVELOPMENT	\$168,798,546
GEOSCIENCES	47.050					\$1,090,555	\$1,121,127	RESEARCH AND DEVELOPMENT	\$168,798,546
GEOSCIENCES	47.050		COLUMBIA UNIVERSITY	69(GG09393)		\$21,598	\$1,121,127	RESEARCH AND DEVELOPMENT	\$168,798,546
GEOSCIENCES	47.050		UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	FY2015-091		\$8,974	\$1,121,127	RESEARCH AND DEVELOPMENT	\$168,798,546
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF NEBRASKA LINCOLN	26-6331-0310-002		\$4,553	\$2,854,124	N/A	\$0
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070				\$41,334	\$2,826,624	\$2,854,124	RESEARCH AND DEVELOPMENT	\$168,798,546
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		KANSAS CITY DIGITAL DRIVE	N/A		\$10,000	\$2,854,124	RESEARCH AND DEVELOPMENT	\$168,798,546
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		NEW JERSEY INSTITUTE OF TECHNOLOGY	996634		\$6,908	\$2,854,124	RESEARCH AND DEVELOPMENT	\$168,798,546
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF NORTH TEXAS	GF30029-1		\$6,039	\$2,854,124	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074				\$1,005,056	\$7,342,157	\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		CARY INSTITUTE OF ECOSYSTEM STUDIES	3325/200201871			\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		CARY INSTITUTE OF ECOSYSTEM STUDIES	3392/200201970		\$9,401	\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		CORNELL UNIVERSITY	67183-10109		\$109,081	\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		ST LOUIS UNIVERSITY	ERS# 39493			\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		ST LOUIS UNIVERSITY	ERS# 44521		\$168,227	\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF GEORGIA	RC371-288/S000904			\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF GEORGIA	SUB00000817		\$620,471	\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF MINNESOTA	H004551101		\$20,309	\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF RHODE ISLAND	0004451/102615			\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF RHODE ISLAND	4451/102615		\$117,239	\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		WASHINGTON STATE UNIVERSITY	118996 G003358		\$58,594	\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOLOGICAL SCIENCES	47.074		WORCESTER POLYTECHNIC INSTITUTE	16-203730-00		\$9,817	\$8,455,296	RESEARCH AND DEVELOPMENT	\$168,798,546
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075				\$132,336	\$791,299	\$795,841	RESEARCH AND DEVELOPMENT	\$168,798,546
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075		RESEARCH FOUNDATION OF SUNY	15-15-70868		\$4,542	\$795,841	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION AND HUMAN RESOURCES	47.076				\$221,519	\$24,000	\$2,834,604	N/A	\$0
EDUCATION AND HUMAN RESOURCES	47.076					\$2,598,391	\$2,834,604	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION AND HUMAN RESOURCES	47.076		HARRIS STOWE STATE COLLEGE	1619629			\$2,834,604	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION AND HUMAN RESOURCES	47.076		HARRIS STOWE STATE COLLEGE	N/A		\$233,475	\$2,834,604	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION AND HUMAN RESOURCES	47.076		ILLINOIS STATE UNIVERSITY	A17-0061-S002		\$14,447	\$2,834,604	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION AND HUMAN RESOURCES	47.076		MIDDLE TENNESSEE STATE UNIVERSITY	537225-7777-01		\$5,406	\$2,834,604	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION AND HUMAN RESOURCES	47.076		STATE UNIVERSITY OF NEW YORK AT BUFFALO	N/A		\$5,000	\$2,834,604	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF MARYLAND	47965-Z4772001		\$1,162	\$2,834,604	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF NEBRASKA LINCOLN	25-6238-0781-002		\$723	\$2,834,604	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079				\$38,177	\$43,984	\$43,984	RESEARCH AND DEVELOPMENT	\$168,798,546

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OFFICE OF INTEGRATIVE ACTIVITIES	47.083				\$1,412,460	\$4,995,803	\$4,995,803	RESEARCH AND DEVELOPMENT	\$168,798,546
INTERGOVERNMENTAL PERSONNEL ACT ASSIGNMENT: SHUBRA GANGOPADHYAY, PROGRAM DIRECTOR IN THE COMMUNICATIONS, CIRCUITS, AND SENSING SYSTEMS PROGRAM	47.RD	1.650301				\$279,730	\$499,280	RESEARCH AND DEVELOPMENT	\$168,798,546
IPA ASSIGNMENT FOR DR. ROBERT LANDERS TO NSF CMMI PROGRAM	47.RD	CMMI-1853148			\$173,075	\$499,280	\$499,280	RESEARCH AND DEVELOPMENT	\$168,798,546
EXPANDING THE STATEWIDE J-CORPS SITE PROGRAM	47.RD	2017-23-019	MISSOURI TECH CORPORATION	2017-23-019	\$45,035	\$499,280	\$499,280	RESEARCH AND DEVELOPMENT	\$168,798,546
BUILDING WITH BIOLOGY FORUM 2018	47.RD	N/A	MISSOURI OF SCIENCE BOSTON	N/A		\$1,440	\$499,280	RESEARCH AND DEVELOPMENT	\$168,798,546
<b>TOTAL NATIONAL SCIENCE FOUNDATION</b>					<b>\$2,850,882</b>	<b>\$30,692,588</b>			
<b>SMALL BUSINESS ADMINISTRATION</b>									
SMALL BUSINESS DEVELOPMENT CENTERS	59.037				\$987,892	\$2,518,850	\$2,518,850	N/A	\$0
PRIME TECHNICAL ASSISTANCE	59.050				\$55,656	\$70,736	\$70,736	N/A	\$0
<b>TOTAL SMALL BUSINESS ADMINISTRATION</b>					<b>\$1,043,548</b>	<b>\$2,589,586</b>			
<b>DEPARTMENT OF VETERANS AFFAIRS</b>									
IPA AGREEMENTS	64.RD	N/A				\$900,479	\$1,678,860	RESEARCH AND DEVELOPMENT	\$168,798,546
POSTTRAUMATIC STRESS DISORDER AND TRAUMATIC BRAIN INJURY IN WOMEN SURVIVORS OF INTIMATE PARTNER VIOLENCE	64.RD	36C24118C0076			\$23,400	\$724,755	\$1,678,860	RESEARCH AND DEVELOPMENT	\$168,798,546
OPEN-FIELD BLAST CORE FACILITY	64.RD	8944				\$11,130	\$1,678,860	RESEARCH AND DEVELOPMENT	\$168,798,546
IPA AGREEMENT	64.RD	N/A				\$17,386	\$1,678,860	RESEARCH AND DEVELOPMENT	\$168,798,546
IPA AGREEMENT WITH MINNEAPOLIS VA HEALTHCARE SYSTEM	64.RD	N/A	MINNEAPOLIS VA HEALTH CARE SYSTEM	N/A		\$25,110	\$1,678,860	RESEARCH AND DEVELOPMENT	\$168,798,546
VA IPA - DR. THANGAVEL - GMF AND DEMENTIA (RENEWAL)	64.U01	N/A				-\$1,041	-\$1,041	N/A	\$0
VA FOCUS GROUPS	64.U02	N/A				\$2,216	\$2,216	N/A	\$0
<b>TOTAL DEPARTMENT OF VETERANS AFFAIRS</b>					<b>\$23,400</b>	<b>\$1,680,035</b>			
<b>ENVIRONMENTAL PROTECTION AGENCY</b>									
WATER POLLUTION CONTROL STATE, INTERSTATE, AND TRIBAL PROGRAM SUPPORT	66.419		MISSOURI DEPARTMENT OF NATURAL RESOURCES	MU38015443-17C002094		\$8,984	\$8,984	N/A	\$0
			MISSOURI DEPARTMENT OF NATURAL RESOURCES	G18-NPS-04					
			MISSOURI DEPARTMENT OF NATURAL RESOURCES	G18-NPS-05					
			MISSOURI DEPARTMENT OF NATURAL RESOURCES	G19-NPS-06					
			MISSOURI DEPARTMENT OF NATURAL RESOURCES	G19-NPS-07		\$442,416	\$444,367	N/A	\$0
NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460		SCHUYLER CTY SOIL & WATER CONSERVATION DIST	G14-NPS-01		\$1,951	\$444,367	N/A	\$0
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461				\$168,921	\$170,333	\$170,333	RESEARCH AND DEVELOPMENT	\$168,798,546
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS	66.461		MISSOURI DEPARTMENT OF CONSERVATION	384		\$1,412	\$170,333	RESEARCH AND DEVELOPMENT	\$168,798,546
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS	66.468		MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A		\$54,907	\$125,365	DRINKING WATER STATE REVOLVING FUND CLUSTER	\$54,907
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS	66.468		MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A	\$3,000	\$70,458	\$125,365	RESEARCH AND DEVELOPMENT	\$168,798,546
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM	66.509				\$120,901	\$129,841	\$129,841	RESEARCH AND DEVELOPMENT	\$168,798,546
PERFORMANCE PARTNERSHIP GRANTS	66.605		MISSOURI DEPARTMENT OF AGRICULTURE	N/A		-\$2,279		N/A	\$0
POLLUTION PREVENTION GRANTS PROGRAM	66.708					\$6,522	\$6,522	N/A	\$0
RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, TRAINING, DEMONSTRATIONS, AND STUDIES	66.716		EXTENSION FOUNDATION	SA-2017-56		\$17,307	\$17,307	N/A	\$0
HARMFUL ALGAE BLOOM/ALGAL TOXIN TREATMENT, AND TASTE/ODOR CAUSING 2,4,6-TRICHLOROANISOLE FORMATION AND REMOVAL STUDY IN MISSOURI DRINKING WATER SYSTEMS	66.RD	N/A	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A		\$4,151	\$50,990	RESEARCH AND DEVELOPMENT	\$168,798,546
SINGLE PARTICLE-ICP-MS METHODS FOR NANOPARTICLES FATE IN BIOLOGICAL SAMPLES: METHODS TRANSFORMATION AND OPTIMIZATION WITH A NEW MODEL OF ICP-MS INSTRUMENT, PHASE 2	66.RD	MS&T-18-001	PEGASUS TECH SERVICES INC	MS&T-18-001		\$11,250	\$50,990	RESEARCH AND DEVELOPMENT	\$168,798,546
INVESTIGATION OF NANOPARTICLES FATE IN SIMULATED GASTRIC FLUID USING SP-ICP-MS	66.RD	MS&T-18-001 EP-C-15-010	PEGASUS TECH SERVICES INC	MS&T-18-001 EP-C-15-010		\$35,589	\$50,990	RESEARCH AND DEVELOPMENT	\$168,798,546
TECHNOLOGY ASSISTANCE TO MISSOURI UTILITIES TO MEET DBPS STANDARDS	66.U01	N/A	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A		\$1	\$1	N/A	\$0
<b>TOTAL ENVIRONMENTAL PROTECTION AGENCY</b>					<b>\$123,901</b>	<b>\$951,431</b>			

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<b>NUCLEAR REGULATORY COMMISSION</b>									
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM	77.008					\$92,352	\$827,105	N/A	\$0
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM	77.008					\$734,753	\$827,105	RESEARCH AND DEVELOPMENT	\$168,798,546
<b>TOTAL NUCLEAR REGULATORY COMMISSION</b>						<b>\$827,105</b>			
<b>DEPARTMENT OF ENERGY</b>									
STATE ENERGY PROGRAM	81.041		MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	N/A		\$2,500	\$2,500	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049				\$70,236	\$312,133	\$3,231,692	N/A	\$0
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049				\$343,416	\$2,002,894	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		COLD SPRINGS HARBOR LAB COLD SPRINGS HARBOR LAB	51850113 51850213		\$95,203	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		DONALD DANFORTH PLANT SCIENCE CENTER	23410-M		\$53,522	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710004152		\$64,504	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		MISSOURI SCIENCE CORPORATION	N/A		\$38,032	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		NORTH CAROLINA STATE UNIVERSITY	2015-2076-01		\$190,383	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		PHDS COMPANY	N/A		\$20,034	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		THERMOFLOW LABS	N/A		\$26,879	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		UNIVERSITY OF SOUTHERN CALIFORNIA	68291175		\$86,697	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		UNIVERSITY OF TEXAS AUSTIN	UT15-001186	\$92,474	\$317,115	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		UNIVERSITY OF WASHINGTON	UW5C9930		\$24,296	\$3,231,692	RESEARCH AND DEVELOPMENT	\$168,798,546
CONSERVATION RESEARCH AND DEVELOPMENT	81.086				\$73,421	\$298,061	\$318,620	RESEARCH AND DEVELOPMENT	\$168,798,546
CONSERVATION RESEARCH AND DEVELOPMENT	81.086		METROPOLITAN ENERGY CENTER	PO S-EVST06		\$20,559	\$318,620	RESEARCH AND DEVELOPMENT	\$168,798,546
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087				\$215,226	\$403,796	\$403,796	RESEARCH AND DEVELOPMENT	\$168,798,546
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089					\$340,717	\$844,264	RESEARCH AND DEVELOPMENT	\$168,798,546
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		GAS TECHNOLOGY INSTITUTE	5733-22166		\$121,015	\$844,264	RESEARCH AND DEVELOPMENT	\$168,798,546
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		MISSOURI STATE UNIVERSITY	18018-1 / DE-FC0031554					
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		MISSOURI STATE UNIVERSITY	18018-2		\$116,571	\$844,264	RESEARCH AND DEVELOPMENT	\$168,798,546
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		NEW MEXICO INSTITUTE OF MINING AND TECH	N/A		\$36,787	\$844,264	RESEARCH AND DEVELOPMENT	\$168,798,546
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		UNIVERSITY OF ALASKA	POS28935 - UAF19-0013		\$115,294	\$844,264	RESEARCH AND DEVELOPMENT	\$168,798,546
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		UNIVERSITY OF KANSAS	FY2019-081		\$55,849	\$844,264	RESEARCH AND DEVELOPMENT	\$168,798,546
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		UNIVERSITY OF LOUISIANA LAFAYETTE	330135-01		\$58,031	\$844,264	RESEARCH AND DEVELOPMENT	\$168,798,546
STEWARDSHIP SCIENCE GRANT PROGRAM	81.112					\$10,278	\$10,278	RESEARCH AND DEVELOPMENT	\$168,798,546
DEFENSE NUCLEAR NONPROLIFERATION RESEARCH	81.113		GENERAL ATOMICS	4500063419		\$1,388,874	\$1,388,874	N/A	\$0
ENERGY EFFICIENCY AND RENEWABLE ENERGY INFORMATION DISSEMINATION, OUTREACH, TRAINING AND TECHNICAL ANALYSIS/ASSISTANCE	81.117				\$20,677	\$204,646	\$204,646	RESEARCH AND DEVELOPMENT	\$168,798,546
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121					\$129,460	\$1,115,909	N/A	\$0
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121					\$910,976	\$1,115,909	RESEARCH AND DEVELOPMENT	\$168,798,546
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121		IDAHO STATE UNIVERSITY	16-0226A		\$71,238	\$1,115,909	RESEARCH AND DEVELOPMENT	\$168,798,546
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121		OHIO STATE UNIVERSITY	60067834		\$4,235	\$1,115,909	RESEARCH AND DEVELOPMENT	\$168,798,546
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135					\$193,084	\$1,050,069	RESEARCH AND DEVELOPMENT	\$168,798,546
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		ADVANCED COOLING TECH INC	24019		\$17,663	\$1,050,069	RESEARCH AND DEVELOPMENT	\$168,798,546
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		GAS TECHNOLOGY INSTITUTE	22144		\$107,164	\$1,050,069	RESEARCH AND DEVELOPMENT	\$168,798,546
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		REDWAVE ENERGY INC	UOFM-0529-16		\$1,425	\$1,050,069	RESEARCH AND DEVELOPMENT	\$168,798,546
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		UNIVERSITY OF FLORIDA	UFDSPO0012000		\$612,402	\$1,050,069	RESEARCH AND DEVELOPMENT	\$168,798,546
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		VIRGINIA COMMONWEALTH UNIVERSITY	FP00001756-SA002		\$118,331	\$1,050,069	RESEARCH AND DEVELOPMENT	\$168,798,546
PREDICTING THE PERFORMANCE AND IMPACT OF DYNAMIC PFC SURFACES	81.RD	4000159698	BATTELLE OAK RIDGE NATIONAL LAB	4000159698		\$81,751	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
ECO-FRIENDLY QUANTUM DOT COATING FOR RADIATION CONTAMINATION	81.RD	4300156797	CONSOLIDATED NUCLEAR SECURITY LLC	4300156797		\$35,865	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
SUMMER RESEARCH EXPERIENCE IN ADDITIVE MANUFACTURING	81.RD	N/A	HONEYWELL FEDERAL MFG AND TECH	N/A		\$54,839	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	N0000262729	HONEYWELL FEDERAL MFG AND TECH	N0000262729		\$2,189	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	N000216452	HONEYWELL FEDERAL MFG AND TECH	N000216452		\$2	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
ADDITIVE MANUFACTURING OF BATTERIES	81.RD	N000217910	HONEYWELL FEDERAL MFG AND TECH	N000217910		\$74	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING (TRAVEL)	81.RD	N000224172	HONEYWELL FEDERAL MFG AND TECH	N000224172		\$1	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
SPIN COATING LTCC SUBSTRATES - SENIOR DESIGN	81.RD	N000247472	HONEYWELL FEDERAL MFG AND TECH	N000247472		\$4,938	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	N000256497	HONEYWELL FEDERAL MFG AND TECH	N000256497		\$456,764	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
RADAR 2021 - DEVELOPMENT AND FABRICATION OF THIN FILM PASSIVE DEVICES ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AND LAMINATE SUBSTRATES	81.RD	N000256504	HONEYWELL FEDERAL MFG AND TECH	N000256504		\$162,012	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
ADDITIVE MANUFACTURING OF BATTERIES	81.RD	N000258110	HONEYWELL FEDERAL MFG AND TECH	N000258110	\$38,154	\$86,567	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
FUTURE GLASS SEALS	81.RD	N000259995	HONEYWELL FEDERAL MFG AND TECH	N000259995		\$43,710	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546

University of Missouri System  
Schedule of Expenditures of Federal Awards  
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Federal Awarding Agency/Program Title	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity	Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN CIRCULAR PIPES FOR HEAT TRANSFER	81.RD	N000260325	HONEYWELL FEDERAL MFG AND TECH	N000260325		\$154,302	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546
FREQUENCY RESPONSE INSPECTION OF ADDITIVELY MANUFACTURED PARTS FOR DEFECT IDENTIFICATION	81.RD	N000261348	HONEYWELL FEDERAL MFG AND TECH	N000261348	\$88,663	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
AM OF CERAMIC COMPOSITES	81.RD	N000261784	HONEYWELL FEDERAL MFG AND TECH	N000261784	\$125,665	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	N000262729	HONEYWELL FEDERAL MFG AND TECH	N000262729	\$124,016	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
DESIGN FOR MITIGATION OF ELECTROMAGNETIC NOISE COUPLING	81.RD	N000263442	HONEYWELL FEDERAL MFG AND TECH	N000263442	\$40,303	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
PLASMA ENHANCED CHEMICAL VAPOR DEPOSITION (PECVD) PROCESS FIXTURE DESIGN	81.RD	N000265859	HONEYWELL FEDERAL MFG AND TECH	N000265859	\$11,188	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
FALL 2017 SENIOR DESIGN CLASSES - MAE	81.RD	N000272038	HONEYWELL FEDERAL MFG AND TECH	N000272038	\$23,761	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
MAGNETIC MATERIAL SYNTHESIS	81.RD	N000280760	HONEYWELL FEDERAL MFG AND TECH	N000280760	\$24,902	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	N000285533	HONEYWELL FEDERAL MFG AND TECH	N000285533	\$376,687	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
MILLIMETER WAVE IMAGING	81.RD	N000291599	HONEYWELL FEDERAL MFG AND TECH	N000291599	\$54,888	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
MATERIALS FOR EXTREME ENVIRONMENTS: BORANE CONTAINING FILLERS	81.RD	N000292317	HONEYWELL FEDERAL MFG AND TECH	N000292317	\$55,279	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
ADDITIVELY MANUFACTURED METAL CELLULAR STRUCTURES	81.RD	N000293027	HONEYWELL FEDERAL MFG AND TECH	N000293027	\$54,997	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN CIRCULAR PIPES FOR HEAT TRANSFER	81.RD	N0002931310	HONEYWELL FEDERAL MFG AND TECH	N0002931310	\$76,537	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
AM OF CERAMIC COMPOSITES	81.RD	N000293380	HONEYWELL FEDERAL MFG AND TECH	N000293380	\$112,064	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
FREQUENCY RESPONSE INSPECTION OF AM PARTS	81.RD	N000293582	HONEYWELL FEDERAL MFG AND TECH	N000293582	\$44,322	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
RESEARCH & DEVELOPMENT LARGE MASS DUAL BORE REVERSIBLE HELICAL ELECTROMAGNETIC LAUNCHER	81.RD	N000293975	HONEYWELL FEDERAL MFG AND TECH	N000293975	\$57,574	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
PICK BY LIGHT SYSTEM DESIGN	81.RD	N000294091	HONEYWELL FEDERAL MFG AND TECH	N000294091	\$54,512	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	N000294227	HONEYWELL FEDERAL MFG AND TECH	N000294227	\$112,051	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
HIPERCO REPLACEMENT	81.RD	N000294228	HONEYWELL FEDERAL MFG AND TECH	N000294228	\$31,195	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
VIDEO INTEGRATION INTO VIRTUAL ENVIRONMENTS	81.RD	N000294768	HONEYWELL FEDERAL MFG AND TECH	N000294768	\$6,674	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
RESEARCH ROCKETS	81.RD	N000295050	HONEYWELL FEDERAL MFG AND TECH	N000295050	\$22,846	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
CYBER-PHYSICAL SYSTEMS SECURITY PROJECT	81.RD	N000295114	HONEYWELL FEDERAL MFG AND TECH	N000295114	\$34,937	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
DEVELOPMENT AND FABRICATION OF THIN FILM PASSIVE DEVICES ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AND LAMINATE SUBSTRATES	81.RD	N000295115	HONEYWELL FEDERAL MFG AND TECH	N000295115	\$33,658	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
EMI SUSCEPTIBILITY ANALYSIS OF RFICS	81.RD	N000296038	HONEYWELL FEDERAL MFG AND TECH	N000296038	\$19,307	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
ATOMIC LAYER DEPOSITION (ALD) CONFORMAL COAT	81.RD	N000296039	HONEYWELL FEDERAL MFG AND TECH	N000296039	\$72,456	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
RFID-IN PLANT LOCATION TRACKING #704987	81.RD	N000297505	HONEYWELL FEDERAL MFG AND TECH	N000297505	\$38,728	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
PDND PROJECT 704856- FUTURE GLASS SEALS	81.RD	N000297537	HONEYWELL FEDERAL MFG AND TECH	N000297537	\$43,603	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
APPLICATIONS OF EYE TRACKING	81.RD	N000300892	HONEYWELL FEDERAL MFG AND TECH	N000300892	\$61,125	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
DIGITAL PROTECTIVE ENVIRONMENT FOR SMART MANUFACTURING	81.RD	N000302943	HONEYWELL FEDERAL MFG AND TECH	N000302943	\$67,832	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
SENIOR DESIGN COURSE PROJECT: MULTI-FACTOR AUTHENTICATION SYSTEM	81.RD	N/A	HONEYWELL FEDERAL MFG AND TECH	N/A	\$794	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
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	6700892	LAWRENCE BERKELEY NATIONAL LAB	6700892	\$232,599	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
UNCERTAINTY REDUCTION IN HIGH SPEED FLIGHT VEHICLE MODELING	81.RD	N/A	MA ENGINEERING INC	N/A	\$31,185	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
CREATION OF AN ADAPTIVE REMAINING LIFETIME PREDICTION MODEL OF POWER ELECTRONICS	81.RD	XFC-7-62302-01	NATIONAL RENEWABLE ENERGY LAB	XFC-7-62302-01	\$5,068	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
MISSOURI OZARK AMERIFLUX (MOFLUX) PROJECT PHASE FOUR	81.RD	4000150689	OAK RIDGE NATIONAL LABORATORY	4000150689	\$210,047	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
LARGE SCALE MANUFACTURING SUPPORT	81.RD	4000164687	OAK RIDGE NATIONAL LABORATORY	4000164687	\$131,023	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
DEVELOPMENT OF INTEGRATED MULTI-PORT POWER ELECTRONICS	81.RD	4000167159	OAK RIDGE NATIONAL LABORATORY	4000167159	\$24,144	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
OPTIMIZATION OF ELECTRIC SHUTTLE FLEET IN AN AUTOMATED MOBILITY DISTRICT	81.RD	4000167924	OAK RIDGE NATIONAL LABORATORY	4000167924	\$19,739	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
COATING ULTRATHIN CONDUCTIVE POLYMER ON POROUS SUBSTRATE	81.RD	389090	PACIFIC NORTHWEST NATIONAL AB	389090	\$18,375	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
DECODER IMPROVEMENT FOR THE JUVENILE SALMON ACOUSTIC TELEMETRY SYSTEM	81.RD	CN413431	PACIFIC NORTHWEST NATIONAL AB	CN413431	\$24,756	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
DNS COMPUTATIONS OF TURBULENT PRESSURE FLUCTUATIONS ON A CONE IN A WIND TUNNEL	81.RD	1885712	SANDIA NATIONAL LAB	1885712	\$90,390	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
CABINET X-RAY SYSTEM	81.RD	N/A	SANDIA NATIONAL LAB	N/A	\$150,000	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
LANL/MISSOURI UNIVERSITY OF SCIENCE AND TECHNOLOGY CYBER SECURITY SCIENCES INSTITUTE	81.RD	259565	TRIAD NATIONAL SECURITY LLC	259565	\$79,965	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
COUNTERING PATHOGEN INTERFACES WITH HUMAN DEFENSES	81.RD	363436	TRIAD NATIONAL SECURITY LLC	363436	\$23,674	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
PRODUCE OPTICAL FIBER TEST SPECIMENS	81.RD	487036	TRIAD NATIONAL SECURITY LLC	487036	\$28,108	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
BUILDING AND CONFIGURING A GLASS MELTING ADDITIVE MANUFACTURING SYSTEM	81.RD	487084	TRIAD NATIONAL SECURITY LLC	487084	\$13,573	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
HIGH RESOLUTION SIMULATIONS OF PARTICLE ACCELERATION IN SHOCK-DRIVEN MULTIPHASE FLOWS	81.RD	527153	TRIAD NATIONAL SECURITY LLC	527153	\$5,692	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
CYBER SECURITY SCIENCES INSTITUTE (CSSI)	81.RD	531898	TRIAD NATIONAL SECURITY LLC	531898	\$20,869	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
JOINING OF CERAMIC COMPOSITES FOR NUCLEAR APPLICATIONS	81.RD	S-155-000-001	UES	S-155-000-001	\$141,024	\$4,203,809	RESEARCH AND DEVELOPMENT	\$168,798,546	
PRELIMINARY SAR REVIEW AND CONVERSION TRANSITION PLANNING WORK ORDER # 8	81.U01	6I-00005-00084	ARGONNE NATIONAL LABORATORY	6I-00005-00084	\$93,206			N/A	\$0
BERYLLIUM REFLECTOR LIFETIME EXTENSION STUDY	81.U02	7J-30010-0002A	ARGONNE NATIONAL LABORATORY	7J-30010-0002A	\$64,155			N/A	\$0
AUTO CAMERA CALIBRATION	81.U03	MU-F-2017-002	HONEYWELL FEDERAL MFG AND TECH	MU-F-2017-002	\$1,500			N/A	\$0
VACUUM COMPATIBLE 2-AXIS ROTATING FIXTURE	81.U04	MU-F-2017-008	HONEYWELL FEDERAL MFG AND TECH	MU-F-2017-008	\$1,500			N/A	\$0
HOPPER HANDLER	81.U05	MU-F-2017-010	HONEYWELL FEDERAL MFG AND TECH	MU-F-2017-010	\$1,500			N/A	\$0

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Federal Awarding Agency/Program Title	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity	Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
TORQUE LIMITER	81.U06	MU-F-2017-011	HONEYWELL FEDERAL MFG AND TECH	MU-F-2017-011		\$1,500	\$1,500	N/A	\$0
TORQUE LIMITER	81.U07	MU-F-2017-012	HONEYWELL FEDERAL MFG AND TECH	MU-F-2017-012		\$1,500	\$1,500	N/A	\$0
GUNSHOT DETECTOR	81.U08	MU-F-2017-013	HONEYWELL FEDERAL MFG AND TECH	MU-F-2017-013		\$1,500	\$1,500	N/A	\$0
ACOUSTIC GUNSHOT DETECTOR WITH AUDIBLE AND TEXT RESPONSE	81.U09	MU-S-2018-010	HONEYWELL FEDERAL MFG AND TECH	MU-S-2018-010		\$1,000	\$1,000	N/A	\$0
GUNSHOT DETECTOR AND WARNING SYSTEM FOR OFFICE AND WAREHOUSE SPACES (CAPSTONE PROJECT)	81.U10	MU-S-2018-011	HONEYWELL FEDERAL MFG AND TECH	MU-S-2018-011		\$1,000	\$1,000	N/A	\$0
SYSTEMS ENGINEERING TRAINING COURSE	81.U11	N00279821	HONEYWELL FEDERAL MFG AND TECH	N00279821		\$38,700	\$38,700	N/A	\$0
THERMAL SET THREADED INSERT PULLOUT FORCE FOR POLYMER AM	81.U12	N/A	HONEYWELL FEDERAL MFG AND TECH	N/A		\$1,097	\$1,097	N/A	\$0
DESIGN OF INSTRUMENTATION FOR A 3D PRINTED WIDGET FOR RESEARCH ROCKETS (1ST OF 2 PROJECTS WITH THIS TITLE)	81.U13	N/A	HONEYWELL FEDERAL MFG AND TECH	N/A		\$1,500	\$1,500	N/A	\$0
DESIGN OF INSTRUMENTATION FOR A 3D PRINTED WIDGET FOR RESEARCH ROCKETS (2ND OF 2 PROJECTS WITH THIS TITLE)	81.U14	N/A	HONEYWELL FEDERAL MFG AND TECH	N/A		\$1,500	\$1,500	N/A	\$0
FLOATING DIE FIXTURE	81.U15	N/A	HONEYWELL FEDERAL MFG AND TECH	N/A		\$909	\$909	N/A	\$0
ECE001 - MULTI-FACTOR AUTHENTICATION	81.U16	N/A	HONEYWELL FEDERAL MFG AND TECH	N/A		\$142	\$142	N/A	\$0
ECE002 - RF ENERGY HARVESTING	81.U17	N/A	HONEYWELL FEDERAL MFG AND TECH	N/A		\$444	\$444	N/A	\$0
ECE004 - EMBEDDED ENERGY CONSERVATION & SAFETY	81.U18	N/A	HONEYWELL FEDERAL MFG AND TECH	N/A		\$312	\$312	N/A	\$0
REQUEST FOR APPLICATION SUPPORT FOR DOE NETL REVIEWS-FIXED PRICE	81.U19	PO-5000-205-001	KEYLOGIC	PO-5000-205-001		\$1,364	\$1,364	N/A	\$0
WATER DYNAMICS NEAR A HYDROPHILIC CUD SURFACE	81.U20	4000157204	OAK RIDGE NATIONAL LABORATORY	4000157204		\$44,984	\$44,984	N/A	\$0
SMALL ANGLE NEUTRON SCATTERING OF 70S RIBOSOMES IN MULTIPLE CONFORMATIONAL STATES	81.U21	4000158960	OAK RIDGE NATIONAL LABORATORY	4000158960		\$50,920	\$50,920	N/A	\$0
POLARIZED NEUTRON REFLECTIVITY INVESTIGATION OF HYDROGEN-INDUCED MAGNETISM IN EPITAXIAL GRAPHENE AND OTHER 2D MATERIALS	81.U22	4000159141	OAK RIDGE NATIONAL LABORATORY	4000159141		\$27,762	\$27,762	N/A	\$0
MURR SECURITY ENHANCEMENTS	81.U23	1846116	SANDIA NATIONAL LABORATORY	1846116		\$19,851	\$19,851	N/A	\$0
<b>TOTAL DEPARTMENT OF ENERGY</b>						<b>\$853,604</b>	<b>\$13,132,303</b>		
<b>DEPARTMENT OF EDUCATION</b>									
CIVIL RIGHTS TRAINING AND ADVISORY SERVICES	84.004		INDIANA UNIVERSITY PURDUE UNIVERSITY INDIANAPOLIS	N/A		\$32,010	\$32,010	N/A	\$0
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS	84.007					\$1,901,933	\$1,901,933	STUDENT FINANCIAL ASSISTANCE	\$476,390,494
TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES	84.010		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$208,539	\$208,539	N/A	\$0
MIGRANT EDUCATION STATE GRANT PROGRAM	84.011		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$39,290	\$39,290	N/A	\$0
UNDERGRADUATE INTERNATIONAL STUDIES AND FOREIGN LANGUAGE PROGRAMS	84.016		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION			\$69,093	\$69,093	RESEARCH AND DEVELOPMENT	\$168,798,546
SPECIAL EDUCATION GRANTS TO STATES	84.027					\$2,371,564	\$2,371,564	SPECIAL EDUCATION CLUSTER (IDEA)	\$2,371,564
FEDERAL WORK-STUDY PROGRAM	84.033					\$3,070,545	\$3,070,545	STUDENT FINANCIAL ASSISTANCE	\$476,390,494
PERKINS LOAN PROGRAM	84.038					\$31,475,801	\$31,475,801	STUDENT FINANCIAL ASSISTANCE	\$476,390,494
TRIO STUDENT SUPPORT SERVICES	84.042					\$669,448	\$669,448	TRIO CLUSTER	\$991,217
CAREER AND TECHNICAL EDUCATION -- BASIC GRANTS TO STATES	84.048		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$62,158	\$62,158	N/A	\$0
FEDERAL PELL GRANT PROGRAM	84.063					\$56,660,820	\$56,660,820	STUDENT FINANCIAL ASSISTANCE	\$476,390,494
MINORITY SCIENCE AND ENGINEERING IMPROVEMENT	84.120		HARRIS STOWE STATE COLLEGE	N/A		\$7,085	\$7,085	N/A	\$0
REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES	84.126		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$3,446,570	\$3,449,972	N/A	\$0
REHABILITATION SERVICES VOCATIONAL REHABILITATION GRANTS TO STATES	84.126		MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER101140001		\$3,402	\$3,449,972	N/A	\$0
SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES NATIONAL PROGRAMS	84.184		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$427,851	\$694,440	N/A	\$0
SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES NATIONAL PROGRAMS	84.184		ST LOUIS PUBLIC SCHOOLS	N/A		\$266,589	\$694,440	N/A	\$0
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200					\$129,248	\$1,308,378	N/A	\$0
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200					\$1,179,130	\$1,308,378	RESEARCH AND DEVELOPMENT	\$168,798,546
TRIO MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217					\$321,769	\$321,769	TRIO CLUSTER	\$991,217
FEDERAL DIRECT STUDENT LOANS	84.268					\$359,731,402	\$359,731,402	STUDENT FINANCIAL ASSISTANCE	\$476,390,494
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287		BOONSLICK HEARTLAND YMCA	N/A		\$2,000	\$916,407	N/A	\$0
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287		BOYS & GIRLS CLUB OF COLUMBIA	N/A		\$2,400	\$916,407	N/A	\$0
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287		COLUMBIA HOUSING AUTHORITY LOW INCOME SERVICES	N/A		\$2,000	\$916,407	N/A	\$0
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287		LOCAL INVESTMENT COMMISSION	25EJ19					
			MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	LNC-18-E102561		\$390,487	\$916,407	N/A	\$0
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287					\$519,520	\$916,407	N/A	\$0
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305					\$173,961	\$2,385,351	N/A	\$0
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305				\$95,520	\$2,103,298	\$2,385,351	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305		SRI INTERNATIONAL	30755		\$46,892	\$2,385,351	RESEARCH AND DEVELOPMENT	\$168,798,546
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305		UNIVERSITY OF WISCONSIN MADISON	851K222		\$61,200	\$2,385,351	RESEARCH AND DEVELOPMENT	\$168,798,546
SPECIAL EDUCATION - STATE PERSONNEL DEVELOPMENT	84.323		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$938,385	\$938,385	N/A	\$0
RESEARCH IN SPECIAL EDUCATION	84.324		UNIVERSITY OF MINNESOTA	A005942802		\$388,131	\$445,257	RESEARCH AND DEVELOPMENT	\$168,798,546



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RESEARCH IN SPECIAL EDUCATION	84.324		UNIVERSITY OF SOUTH FLORIDA	5810-1021-00-A		\$57,126	\$445,257	RESEARCH AND DEVELOPMENT	\$168,798,546
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325					\$358,099	\$564,538	N/A	\$0
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325					\$206,439	\$564,538	RESEARCH AND DEVELOPMENT	\$168,798,546
SPECIAL EDUCATION, TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326		UNIVERSITY OF OREGON	224400A		\$697,339	\$1,035,241	N/A	\$0
SPECIAL EDUCATION, TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326		UNIVERSITY OF OREGON	282070K					
CHILD CARE ACCESS MEANS PARENTS IN SCHOOL	84.335				\$186,044	\$337,902	\$1,035,241	RESEARCH AND DEVELOPMENT	\$168,798,546
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365					\$51,601	\$51,601	N/A	\$0
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365				\$14,429	\$584,852	\$604,382	N/A	\$0
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$19,530	\$604,382	N/A	\$0
MATHEMATICS AND SCIENCE PARTNERSHIPS	84.366		STLOUIS PUBLIC SCHOOLS	N/A		\$10,077	\$10,077	N/A	\$0
IMPROVING TEACHER QUALITY STATE GRANTS	84.367		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$322,433	\$553,971	N/A	\$0
IMPROVING TEACHER QUALITY STATE GRANTS	84.367		MISSOURI DEPARTMENT OF HIGHER EDUCATION	N/A	\$41,937	\$63,296	\$553,971	N/A	\$0
IMPROVING TEACHER QUALITY STATE GRANTS	84.367		NATIONAL WRITING PROJECT CORP	92-MO01-SEED2017-CRWPPD					
IMPROVING TEACHER QUALITY STATE GRANTS	84.367		NATIONAL WRITING PROJECT CORP	92-MO01-SEED2017-ILI					
IMPROVING TEACHER QUALITY STATE GRANTS	84.367		NATIONAL WRITING PROJECT CORP	92-MO03-SEED2017-ILI		\$26,041	\$553,971	N/A	\$0
IMPROVING TEACHER QUALITY STATE GRANTS	84.367		MISSOURI DEPARTMENT OF HIGHER EDUCATION	N/A		\$142,201	\$553,971	RESEARCH AND DEVELOPMENT	\$168,798,546
SCHOOL IMPROVEMENT GRANTS	84.377		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$60,290	\$60,290	N/A	\$0
TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION GRANTS (TEACH GRANTS)	84.379					\$229,295	\$229,295	STUDENT FINANCIAL ASSISTANCE	\$476,390,494
TRANSITION PROGRAMS FOR STUDENTS WITH INTELLECTUAL DISABILITIES INTO HIGHER EDUCATION	84.407					\$421,494	\$421,494	N/A	\$0
INVESTING IN INNOVATION (I3) FUND	84.411				\$861,648	\$2,140,691	\$2,248,178	N/A	\$0
INVESTING IN INNOVATION (I3) FUND	84.411		NATIONAL WRITING PROJECT CORP	92-MO03-2018I3C3WP	\$14,000	\$89,173	\$2,248,178	N/A	\$0
INVESTING IN INNOVATION (I3) FUND	84.411		MORNINGSIDE CENTER FOR TEACHING SOCIAL RESPONSIBILITY	N/A		\$18,314	\$2,248,178	RESEARCH AND DEVELOPMENT	\$168,798,546
SUPPORTING EFFECTIVE EDUCATOR DEVELOPMENT PROGRAM	84.423					\$82,676	\$305,756	N/A	\$0
<b>TOTAL DEPARTMENT OF EDUCATION</b>						<b>\$1,296,254</b>	<b>\$472,844,470</b>		
<b>NATIONAL ARCHIVES &amp; RECORDS ADMINISTRATION</b>									
PROJECT WHISTLESTOP 2018-2019	89.U01	NAR14TFLC-005				\$53,608	\$53,608	N/A	\$0
<b>TOTAL NATIONAL ARCHIVES &amp; RECORDS ADMINISTRATION</b>							<b>\$53,608</b>		
<b>DEPARTMENT OF HEALTH AND HUMAN SERVICES</b>									
COMPETITIVE ABSTINENCE EDUCATION (CAE)	93.060					\$349,562	\$349,562	N/A	\$0
LABORATORY TRAINING, EVALUATION, AND QUALITY ASSURANCE PROGRAMS	93.064		CHILDREN'S MERCY HOSPITAL	16-0010		\$94,425	\$94,425	N/A	\$0
ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE	93.070		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380007		\$220,061	\$220,061	N/A	\$0
BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE	93.073				\$60,801	\$188,021	\$225,615	N/A	\$0
BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE	93.073		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380143		\$12	\$225,615	N/A	\$0
BIRTH DEFECTS AND DEVELOPMENTAL DISABILITIES - PREVENTION AND SURVEILLANCE	93.073		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380003		\$37,582	\$225,615	RESEARCH AND DEVELOPMENT	\$168,798,546
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		\$1,313	\$1,313	N/A	\$0
BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH	93.080		UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0011472N		\$13,102	\$13,102	N/A	\$0
HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS	93.086				\$1,458,376	\$2,226,813	\$2,226,813	N/A	\$0
ENHANCE SAFETY OF CHILDREN AFFECTED BY SUBSTANCE ABUSE	93.087		PREFERRED FAMILY HEALTHCARE	N/A		\$111,982	\$111,982	N/A	\$0
AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM	93.092		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380071		\$32,399	\$32,399	N/A	\$0
WELL-INTEGRATED SCREENING AND EVALUATION FOR WOMEN ACROSS THE NATION	93.094		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH180012001		-\$166	-\$166	N/A	\$0
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103		MISSOURI DEPARTMENT OF AGRICULTURE	N/A		\$128,636	\$234,830	N/A	\$0
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103					\$103,886	\$234,830	RESEARCH AND DEVELOPMENT	\$168,798,546
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103		UNIVERSITY OF KANSAS CENTER FOR RESEARCH INC	TAME		\$2,308	\$234,830	RESEARCH AND DEVELOPMENT	\$168,798,546
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC19380016		\$277,348	\$428,864	N/A	\$0

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COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		SAINT LOUIS MENTAL HEALTH BOARD	16045-C FY19					
AREA HEALTH EDUCATION CENTERS POINT-OF-SERVICE MAINTENANCE AND ENHANCEMENT AWARDS	93.107		SAINT LOUIS MENTAL HEALTH BOARD	16045C-18					
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		SAINT LOUIS MENTAL HEALTH BOARD	1605550C					
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		SAINT LOUIS MENTAL HEALTH BOARD	1605750C					
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		SAINT LOUIS MENTAL HEALTH BOARD	1701850C					
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		A.T. STILL UNIVERSITY	321-375		\$151,516	\$428,864	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		A.T. STILL UNIVERSITY	322-375		\$61,573	\$61,573	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MASSACHUSETTS GENERAL HOSPITAL	226858		\$544,844	\$1,182,094	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MASSACHUSETTS GENERAL HOSPITAL	226861		\$71,205	\$1,182,094	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC19380201		\$386,140	\$1,182,094	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0012728N		\$9,574	\$1,182,094	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		CURE AUTISM NOW/AUTISM SPEAKS	10743		\$10,973	\$1,182,094	RESEARCH AND DEVELOPMENT	\$168,798,546
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MASSACHUSETTS GENERAL HOSPITAL	226858					
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MASSACHUSETTS GENERAL HOSPITAL	226859		\$159,358	\$1,182,094	RESEARCH AND DEVELOPMENT	\$168,798,546
ENVIRONMENTAL HEALTH	93.113		MASSACHUSETTS GENERAL HOSPITAL	226861		\$97,042	\$1,232,179	RESEARCH AND DEVELOPMENT	\$168,798,546
ENVIRONMENTAL HEALTH	93.113		UNIVERSITY OF NORTH CAROLINA GREENSBORO	20170011		\$25,962	\$1,232,179	RESEARCH AND DEVELOPMENT	\$168,798,546
ORAL DISEASES AND DISORDERS RESEARCH	93.121				\$513,711	\$2,298,717	\$2,411,632	RESEARCH AND DEVELOPMENT	\$168,798,546
ORAL DISEASES AND DISORDERS RESEARCH	93.121		WASHINGTON UNIVERSITY	WU-17-285		\$112,915	\$2,411,632	RESEARCH AND DEVELOPMENT	\$168,798,546
NURSE ANESTHETIST TRAINESHIPS	93.124					\$53,989	\$53,989	N/A	\$0
EMERGENCY MEDICAL SERVICES FOR CHILDREN	93.127					\$127,266	\$127,266	N/A	\$0
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380087					
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380074					
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380237		\$130,488	\$180,590	N/A	\$0
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		JOHNS HOPKINS UNIVERSITY	2004039536		\$47,528	\$180,590	RESEARCH AND DEVELOPMENT	\$168,798,546
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH170018005					
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH1925A0001		\$2,574	\$180,590	RESEARCH AND DEVELOPMENT	\$168,798,546
COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM	93.137				\$152,182	\$536,387	\$536,387	N/A	\$0
NIHES SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION	93.143					\$13,017	\$13,017	RESEARCH AND DEVELOPMENT	\$168,798,546
AIDS EDUCATION AND TRAINING CENTERS	93.145		UNIVERSITY OF ILLINOIS AT CHICAGO	17460-00		\$6,642	\$6,642	N/A	\$0
HUMAN GENOME RESEARCH	93.172					\$212,991	\$212,991	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173				\$11,150	\$355,987	\$382,186	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		ARIZONA STATE UNIVERSITY	ASUB00000119		\$19,173	\$382,186	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		INDIANA UNIVERSITY	BL-4635515-UMC		\$7,026	\$382,186	RESEARCH AND DEVELOPMENT	\$168,798,546
DISABILITIES PREVENTION	93.184		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380030		\$97,366	\$97,360	N/A	\$0
DISABILITIES PREVENTION	93.184		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH160016001					
DISABILITIES PREVENTION	93.184		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380030		-\$6	\$97,360	RESEARCH AND DEVELOPMENT	\$168,798,546
GRADUATE PSYCHOLOGY EDUCATION PROGRAM AND PATIENT NAVIGATOR AND CHRONIC DISEASE PREVENTION PROGRAM	93.191					\$253,220	\$253,220	N/A	\$0
TELEHEALTH PROGRAMS	93.211		INSTITUTE	Z1N00031		\$99,972	\$99,972	N/A	\$0
TELEHEALTH PROGRAMS	93.211		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH	Z1N00032					
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213					\$79,347	\$79,347	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		RUTGERS UNIVERSITY	6305		\$38,786	\$1,463,523	N/A	\$0
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		UNIVERSITY OF OKLAHOMA	RS20140542		\$5,792	\$1,463,523	N/A	\$0
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226				\$185,163	\$1,373,927	\$1,463,523	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		OREGON HEALTH SCIENCE UNIVERSITY	1005866_CUMISSOURI		\$36,003	\$1,463,523	RESEARCH AND DEVELOPMENT	\$168,798,546
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		UNIVERSITY OF PITTSBURGH	0042771(125364-2)		\$9,015	\$1,463,523	RESEARCH AND DEVELOPMENT	\$168,798,546
NATIONAL CENTER ON SLEEP DISORDERS RESEARCH	93.233					\$185,796	\$185,796	RESEARCH AND DEVELOPMENT	\$168,798,546
TRAUMATIC BRAIN INJURY STATE DEMONSTRATION GRANT PROGRAM	93.234		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380035					
TRAUMATIC BRAIN INJURY STATE DEMONSTRATION GRANT PROGRAM	93.234		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380032	\$15,000	\$102,409	\$102,409	N/A	\$0
TRAUMATIC BRAIN INJURY STATE DEMONSTRATION GRANT PROGRAM	93.234		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380071					
TRAUMATIC BRAIN INJURY STATE DEMONSTRATION GRANT PROGRAM	93.234		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380144		\$193,153	\$193,153	N/A	\$0
AFFORDABLE CARE ACT (ACA) ABSTINENCE EDUCATION PROGRAM	93.235								
STATE RURAL HOSPITAL FLEXIBILITY PROGRAM	93.241		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380163		\$165,159	\$165,159	N/A	\$0
MENTAL HEALTH RESEARCH GRANTS	93.242				\$1,043,668	\$2,840,870	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
MENTAL HEALTH RESEARCH GRANTS	93.242		BRANDEIS UNIVERSITY	403000		\$245,302	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
MENTAL HEALTH RESEARCH GRANTS	93.242		EXOCYTRONICS LLC	00047734		\$126,398	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
MENTAL HEALTH RESEARCH GRANTS	93.242		HENRY M JACKSON FOUNDATION	4367		\$3,190	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
MENTAL HEALTH RESEARCH GRANTS	93.242		LOUISIANA STATE UNIVERSITY	NURS-18-117-002		\$39,322	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
MENTAL HEALTH RESEARCH GRANTS	93.242		QUADRANT BIOSCIENCES INC	1293481860000		\$51,521	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
MENTAL HEALTH RESEARCH GRANTS	93.242		RAND COPROARTION	9920170010		\$22,470	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSITY OF CALIFORNIA SAN FRANCISCO	101815C		\$44,281	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546

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MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSITY OF HAWAII	KA1083		\$15,700	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSITY OF MINNESOTA	ND06344501		\$62,148	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
MENTAL HEALTH RESEARCH GRANTS	93.242		WASHINGTON UNIVERSITY	WU-19-324		\$21,400	\$3,472,612	RESEARCH AND DEVELOPMENT	\$168,798,546
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243				\$276,256	\$2,502,419	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		45TH JUDICIAL CIRCUIT OF MISSOURI	N/A		\$24,016	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		9TH JUDICIAL CIRCUIT OF MISSOURI	N/A		\$63,155	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		BEHAVIORAL HEALTH NETWORK OF GREATER ST. LOUIS	N/A		\$51,684	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380164					
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH180033001		\$178,341	\$5,399,443	N/A	\$0
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC13380092					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380080					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380041					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380042					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC19380203		\$680,217	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		NATIONAL ALLIANCE FOR MENTALLY ILL	N/A		\$12,007	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		PREFERRED FAMILY HEALTHCARE	N/A		\$73,843	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		QUEEN OF PEACE CENTER	N/A		\$189,300	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		ST LOUIS COUNTY MISSOURI	3100 HU702		\$48,866	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		ST LOUIS COUNTY MISSOURI	N/A					
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		TRUMAN MEDICAL CENTER CORP	1H79T080208	\$16,920	\$733,936	\$5,399,443	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243				\$52,304	\$497,037	\$5,399,443	RESEARCH AND DEVELOPMENT	\$168,798,546
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380080		\$218,336	\$5,399,443	RESEARCH AND DEVELOPMENT	\$168,798,546
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES, PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		STANFORD UNIVERSITY	61904509-137362		\$126,286	\$5,399,443	RESEARCH AND DEVELOPMENT	\$168,798,546
ADVANCED NURSING EDUCATION GRANT PROGRAM	93.247					\$511,068	\$537,809	N/A	\$0
ADVANCED NURSING EDUCATION GRANT PROGRAM	93.247					\$26,741	\$537,809	RESEARCH AND DEVELOPMENT	\$168,798,546
FAMILY PLANNING PERSONNEL TRAINING	93.260					\$951,316	\$951,316	N/A	\$0
			UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-127					
			UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-128					
			UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-208		\$28,430	\$28,430	RESEARCH AND DEVELOPMENT	\$168,798,546
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262					\$3,024,255	\$3,024,255	STUDENT FINANCIAL ASSISTANCE	\$476,390,494
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264				\$32,960	\$3,302,204	\$3,558,020	RESEARCH AND DEVELOPMENT	\$168,798,546
ALCOHOL RESEARCH PROGRAMS	93.273		PURDUJE UNIVERSITY	11000771-004		\$33,709	\$3,558,020	RESEARCH AND DEVELOPMENT	\$168,798,546
ALCOHOL RESEARCH PROGRAMS	93.273		WASHINGTON UNIVERSITY	WU-17-150		\$222,107	\$3,558,020	RESEARCH AND DEVELOPMENT	\$168,798,546
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279					\$330,992	\$424,271	RESEARCH AND DEVELOPMENT	\$168,798,546
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279		REAL PREVENTION LLC	N/A		\$28,544	\$424,271	RESEARCH AND DEVELOPMENT	\$168,798,546
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZAN00050		\$30,976	\$424,271	RESEARCH AND DEVELOPMENT	\$168,798,546
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279		UNIVERSITY OF MARYLAND	RO1DA042748		\$43,759	\$424,271	RESEARCH AND DEVELOPMENT	\$168,798,546
CENTERS FOR DISEASE CONTROL AND PREVENTION INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283		WASHINGTON UNIVERSITY	WU-18-86					
			WASHINGTON UNIVERSITY	WU-19-143		\$164,048	\$164,048	RESEARCH AND DEVELOPMENT	\$168,798,546
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286					\$481,924	\$481,924	RESEARCH AND DEVELOPMENT	\$168,798,546
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307					\$28,476	\$114,241	RESEARCH AND DEVELOPMENT	\$168,798,546
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307		RAND COPROARTION	9920180014		\$85,765	\$114,241	RESEARCH AND DEVELOPMENT	\$168,798,546
TRANS-NIH RESEARCH SUPPORT	93.310				\$72,376	\$595,346	\$704,549	RESEARCH AND DEVELOPMENT	\$168,798,546
TRANS-NIH RESEARCH SUPPORT	93.310		OREGON HEALTH SCIENCE UNIVERSITY	1012396_UMISSOURI		\$105,108	\$704,549	RESEARCH AND DEVELOPMENT	\$168,798,546
TRANS-NIH RESEARCH SUPPORT	93.310		UNIVERSITY OF MARYLAND BALTIMORE COUNTY	1677		\$4,095	\$704,549	RESEARCH AND DEVELOPMENT	\$168,798,546
EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	93.323		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380151		\$15,349	\$44,657	N/A	\$0
EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	93.323		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380254		\$29,308	\$44,657	RESEARCH AND DEVELOPMENT	\$168,798,546
BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM	93.336		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380018		\$1	\$1	N/A	\$0
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342					\$18,585,069	\$18,585,069	STUDENT FINANCIAL ASSISTANCE	\$476,390,494
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350				\$114,824	\$165,469	\$821,673	RESEARCH AND DEVELOPMENT	\$168,798,546
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00000					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00010					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00016-ALLSWORTH					
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00003-BERKLEY-PATTON		\$70,145	\$821,673	RESEARCH AND DEVELOPMENT	\$168,798,546
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00004					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00006					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00010					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00012					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00013					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00014					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPB00016					
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH	ZPB0001Z	\$23,429	\$267,810	\$821,673	RESEARCH AND DEVELOPMENT	\$168,798,546

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NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350		WASHINGTON UNIVERSITY	WU-18-24						
			WASHINGTON UNIVERSITY	WU-18-337						
			WASHINGTON UNIVERSITY	WU-18-338						
			WASHINGTON UNIVERSITY	WU-18-358			\$9,322	\$821,673	RESEARCH AND DEVELOPMENT	\$168,798,546
			WASHINGTON UNIVERSITY	WU-18-372						
			WASHINGTON UNIVERSITY	WU-18-373						
			WASHINGTON UNIVERSITY	WU-18-374						
			WASHINGTON UNIVERSITY	WU-18-375						
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350		WASHINGTON UNIVERSITY	WU-19-333						
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350		WASHINGTON UNIVERSITY	WU-19-346						
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		WASHINGTON UNIVERSITY	WU-19-347						
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		WASHINGTON UNIVERSITY	WU-19-348						
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		WASHINGTON UNIVERSITY	WU-19-396	\$304,370	\$821,673	RESEARCH AND DEVELOPMENT	\$168,798,546		
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		CHILDRENS MERCY HOSPITAL	18-0003	\$4,557	\$821,673	RESEARCH AND DEVELOPMENT	\$168,798,546		
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		CRYOCRATE LLC	001	\$5,180,715	\$5,321,600	RESEARCH AND DEVELOPMENT	\$168,798,546		
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		PARATECHS CORPORATION	N/A	\$80,645	\$5,321,600	RESEARCH AND DEVELOPMENT	\$168,798,546		
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		UNIVERSITY OF SOUTHERN CALIFORNIA	92097662	\$13,484	\$5,321,600	RESEARCH AND DEVELOPMENT	\$168,798,546		
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		VIRGINIA POLYTECHNIC INST AND STATE UNIVERSITY	432076-19228	\$14,991	\$5,321,600	RESEARCH AND DEVELOPMENT	\$168,798,546		
PUBLIC HEALTH EMERGENCY RESPONSE: COOPERATIVE AGREEMENT FOR EMERGENCY RESPONSE: PUBLIC HEALTH CRISIS RESPONSE	93.354		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380115	\$31,765	\$5,321,600	RESEARCH AND DEVELOPMENT	\$168,798,546		
PUBLIC HEALTH EMERGENCY RESPONSE: COOPERATIVE AGREEMENT FOR EMERGENCY RESPONSE: PUBLIC HEALTH CRISIS RESPONSE	93.354		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380269	\$77,301	\$119,612	N/A	\$0		
PUBLIC HEALTH EMERGENCY RESPONSE: COOPERATIVE AGREEMENT FOR EMERGENCY RESPONSE: PUBLIC HEALTH CRISIS RESPONSE	93.354		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380260	\$42,311	\$119,612	RESEARCH AND DEVELOPMENT	\$168,798,546		
ADVANCED EDUCATION NURSING TRAINESHIPS	93.358		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH190031001	\$151	\$151	N/A	\$0		
NURSE EDUCATION, PRACTICE QUALITY AND RETENTION GRANTS	93.359				\$139,701	\$139,701	N/A	\$0		
BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360		KANSAS DEPARTMENT OF CHILDREN AND FAMILIES	KCOD-2019-CLCSN-01	\$34,439	\$75,576	N/A	\$0		
BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360		STRATATECH CORPORATION	STRATA2016	\$41,137	\$75,576	RESEARCH AND DEVELOPMENT	\$168,798,546		
NURSING RESEARCH	93.361				\$103,129	\$1,369,174	RESEARCH AND DEVELOPMENT	\$168,798,546		
NURSING RESEARCH	93.361		PERCEPTIMED INC	N/A	\$89,003	\$1,825,963	RESEARCH AND DEVELOPMENT	\$168,798,546		
NURSING RESEARCH	93.361		STOECKER AND ASSOCIATES	1R41NR018126-01	\$48,569	\$1,825,963	RESEARCH AND DEVELOPMENT	\$168,798,546		
NURSING RESEARCH	93.361		UNIVERSITY OF CALIFORNIA SAN FRANCISCO	8648	\$28,490	\$1,825,963	RESEARCH AND DEVELOPMENT	\$168,798,546		
NURSING RESEARCH	93.361		UNIVERSITY OF PENNSYLVANIA	573708	\$123,811	\$1,825,963	RESEARCH AND DEVELOPMENT	\$168,798,546		
NURSING RESEARCH	93.361		WASHINGTON UNIVERSITY SCHOOL OF MEDICINE	WU-14-86-MOD-3		\$928	\$1,825,963	RESEARCH AND DEVELOPMENT	\$168,798,546	
NURSING RESEARCH	93.361		WASHINGTON UNIVERSITY SCHOOL OF MEDICINE	WU-16-301						
NURSING RESEARCH	93.361		WASHINGTON UNIVERSITY	WU-15-341		\$165,988	\$1,825,963	RESEARCH AND DEVELOPMENT	\$168,798,546	
NURSING STUDENT LOANS	93.364		WASHINGTON UNIVERSITY	WU-17-77		\$1,711,374	\$1,711,374	STUDENT FINANCIAL ASSISTANCE	\$476,390,494	
SICKLE CELL TREATMENT DEMONSTRATION PROGRAM	93.365		WASHINGTON UNIVERSITY	WU-18-195		\$18,364	\$18,364	N/A	\$0	
NATIONAL CENTER FOR RESEARCH RESOURCES	93.389		TEXAS STATE UNIVERSITY	19018-81699-1		\$14,468	\$14,468	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER CAUSE AND PREVENTION RESEARCH	93.393				\$222,324	\$820,911	\$974,942	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER CAUSE AND PREVENTION RESEARCH	93.393		UNIVERSITY OF KANSAS	FY2014-081		\$86,966	\$974,942	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER CAUSE AND PREVENTION RESEARCH	93.393		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE							
CANCER CAUSE AND PREVENTION RESEARCH	93.393		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	QR864360		\$22,074	\$974,942	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER CAUSE AND PREVENTION RESEARCH	93.393		UNIVERSITY OF SOUTH CAROLINA	18-3693		\$23,738	\$974,942	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER CAUSE AND PREVENTION RESEARCH	93.393		UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0012186A		\$21,253	\$974,942	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394		UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0012844B		\$20,252	\$27,793	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394		SURGISENSE CORPORATION	N/A		\$6,480	\$27,793	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394		WASHINGTON UNIVERSITY	WU-16-310		\$1,061	\$27,793	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER TREATMENT RESEARCH	93.395				\$129,488	\$1,519,725	\$1,667,133	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER TREATMENT RESEARCH	93.395		ALLIANCE FOR CLINICAL TRIALS IN ONCOLOGY	MO036		\$127,404	\$1,667,133	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER TREATMENT RESEARCH	93.395		CHILDRENS HOSPITAL OF PHILADELPHIA	9500080215-12C						
CANCER TREATMENT RESEARCH	93.395		CHILDRENS HOSPITAL OF PHILADELPHIA	NCORP FP00017458_SUB142		\$7,315	\$1,667,133	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER TREATMENT RESEARCH	93.395		ONCOVIR INC	ONC2014-001		\$1,214	\$1,667,133	RESEARCH AND DEVELOPMENT	\$168,798,546	
CANCER TREATMENT RESEARCH	93.395		UNIVERSITY OF OKLAHOMA	RV20151703-01		\$1,475	\$1,667,133	RESEARCH AND DEVELOPMENT	\$168,798,546	

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CANCER BIOLOGY RESEARCH	93.396				\$4,466	\$185,442	\$203,925	RESEARCH AND DEVELOPMENT	\$168,798,546
CANCER BIOLOGY RESEARCH	93.396		UNIVERSITY OF GEORGIA	RR571-424/S001502		\$18,483	\$203,925	RESEARCH AND DEVELOPMENT	\$168,798,546
CANCER CENTERS SUPPORT GRANTS	93.397		MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BDS18793C BDS18793E		\$128,731	\$128,731	RESEARCH AND DEVELOPMENT	\$168,798,546
STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATIONS HEALTH	93.421		ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES	N/A		\$840	\$840	N/A	\$0
NON-ACA/PPHFRBUILDING CAPACITY OF THE PUBLIC HEALTH SYSTEM TO IMPROVE POPULATION HEALTH THROUGH NATIONAL NONPROFIT ORGANIZATIONS	93.424		ASSOCIATION OF UNIVERSITY CENTERS ON DISABILITIES	N/A		\$2,963	\$2,963	N/A	\$0
IMPROVING THE HEALTH OF AMERICANS THROUGH PREVENTION AND MANAGEMENT OF DIABETES AND HEART DISEASE AND STROKE	93.426		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380299 AOC19380226 AOC19380241	\$960	\$66,130	\$66,130	N/A	\$0
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433					\$2,293,457	\$2,301,363	N/A	\$0
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433		MEMORIAL HERMANN HEALTH SYSTEMS	19-801		\$5,116	\$2,301,363	RESEARCH AND DEVELOPMENT	\$168,798,546
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433		UNIVERSITY OF ILLINOIS SYSTEM	16247-02		\$2,790	\$2,301,363	RESEARCH AND DEVELOPMENT	\$168,798,546
EVERY STUDENT SUCCEEDS ACT/PRESCHOOL DEVELOPMENT GRANTS	93.434		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	\$100,134	\$264,059	\$264,059	N/A	\$0
WELL-INTEGRATED SCREENING AND EVALUATION FOR WOMEN ACROSS THE NATION (WISEWOMAN)	93.436		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH190033001		\$6,189	\$6,189	N/A	\$0
STATE PHYSICAL ACTIVITY AND NUTRITION (SPAN)	93.439		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380137 AOC19380202	\$2,978	\$84,872	\$84,872	N/A	\$0
ASSISTIVE TECHNOLOGY ALTERNATIVE FINANCING PROGRAM	93.469		MISSOURI ASSISTIVE TECHNOLOGY COUNCIL	N/A		\$19,222	\$19,222	N/A	\$0
PREGNANCY ASSISTANCE FUND PROGRAM	93.500		PARENTS AS TEACHERS NATIONAL CENTER	N/A		\$24,217	\$24,217	N/A	\$0
FAMILY TO FAMILY HEALTH INFORMATION CENTERS	93.504					\$78,860	\$82,019	N/A	\$0
FAMILY TO FAMILY HEALTH INFORMATION CENTERS	93.504					\$3,159	\$82,019	RESEARCH AND DEVELOPMENT	\$168,798,546
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC17380070		\$10,478	\$10,478	TANF CLUSTER	\$10,478
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575		COLUMBIA PUBLIC SCHOOLS	N/A		\$66,511	\$2,270,611	CCDF CLUSTER	\$2,270,611
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$769	\$2,270,611	CCDF CLUSTER	\$2,270,611
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575		MISSOURI DEPARTMENT OF SOCIAL SERVICES MISSOURI DEPARTMENT OF SOCIAL SERVICES MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380011 AOC14380146 AOC15380293		\$2,203,331	\$2,270,611	CCDF CLUSTER	\$2,270,611
COMMUNITY-BASED CHILD ABUSE PREVENTION GRANTS	93.590		CHILDRENS TRUST FUND	N/A	\$2,875	\$3,007	\$3,007	N/A	\$0
HEAD START	93.600					\$177,403	\$177,403	N/A	\$0
AFFORDABLE CARE ACT INITIATIVE TO REDUCE AVOIDABLE HOSPITALIZATIONS AMONG NURSING FACILITY RESIDENTS	93.621				\$739,749	\$4,857,532	\$4,857,532	RESEARCH AND DEVELOPMENT	\$168,798,546
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630		CONNECTICUT COUNCIL ON DEVELOPMENTAL DISABILITIES	N/A		\$2,338	\$177,193	N/A	\$0
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630		MISSOURI DEPARTMENT OF MENTAL HEALTH MISSOURI DEPARTMENT OF MENTAL HEALTH MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC11380081 PGA010-08001 PGA10-08001		\$106,781	\$177,193	N/A	\$0
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630		MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL	AOC17380019 PGA010-19001	\$20,340	\$68,074	\$177,193	N/A	\$0
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631		MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL	N/A	\$1,882	\$123,109	\$181,067	N/A	\$0
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631		ADMINISTRATION FOR COMMUNITY LIVING ADMINISTRATION FOR COMMUNITY LIVING	SABE-SARTAC 2016-2021 N/A		\$57,958	\$181,067	N/A	\$0
UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH, AND SERVICE	93.632					\$570,484	\$570,484	N/A	\$0
ACA-TRANSFORMING CLINICAL PRACTICE INITIATIVE: SUPPORT AND ALIGNMENT NETWORKS (SANS)	93.639		AMERICAN BOARD OF FAMILY MEDICINE	N/A		\$77,021	\$77,021	N/A	\$0
SOCIAL SERVICES RESEARCH AND DEMONSTRATION	93.647				\$26,406	\$26,406	\$26,406	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD WELFARE RESEARCH TRAINING OR DEMONSTRATION	93.648		NATIONAL CHILD WELFARE WORKFORCE INSTITUTE	90CT7002		\$134,973	\$134,973	N/A	\$0
MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS	93.732					\$471,309	\$471,309	N/A	\$0

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EMPOWERING OLDER ADULTS AND ADULTS WITH DISABILITIES THROUGH CHRONIC DISEASE SELF-MANAGEMENT EDUCATION PROGRAMS D FINANCED BY PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.734					\$24,223	\$24,223	N/A	\$0
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		-\$1,231	-\$28,275	N/A	\$0
PPHF: HEALTH CARE SURVEILLANCE/HEALTH STATISTICS D SURVEILLANCE PROGRAM ANNOUNCEMENT: BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM FINANCED IN PART BY PREVENTION AND PUBLIC HEALTH FUND	93.745		STATE OF ALASKA HEALTH AND SOCIAL SERVICES	0618-059		-\$27,044	-\$28,275	N/A	\$0
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 MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380048 AOC17380096	\$2,584	\$35,085	\$35,085	N/A	\$0
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	AOC19380035		\$80,000	\$80,000	N/A	\$0
EVIDENCE-BASED FALLS PREVENTION PROGRAMS FINANCED SOLELY BY PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.761		OASIS INSTITUTE UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	N/A		\$63,454	\$63,454	N/A	\$0
ALZHEIMER'S DISEASE INITIATIVE: SPECIALIZED SUPPORTIVE SERVICES PROJECT (ADISS) THRU PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.763		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	90ALGG0009 Z1V00000		\$32,239	\$32,239	RESEARCH AND DEVELOPMENT	\$168,798,546
MEDICAL ASSISTANCE PROGRAM	93.778		MARYLAND DEPARTMENT OF HEALTH	19-18320-G		\$26,452	\$1,465,964	MEDICAID CLUSTER	\$1,465,957
MEDICAL ASSISTANCE PROGRAM	93.778		MISSOURI COALITION OF COMM MENTAL HEALTH CENTERS	N/A		\$218,761	\$1,465,964	MEDICAID CLUSTER	\$1,465,957
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC02380105					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC1380234 TA19906					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC14380047					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380086					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC18380066					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC19380238 PA19050					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	ERO19912005					
MEDICAL ASSISTANCE PROGRAM	93.778		MISSOURI DEPARTMENT OF MENTAL HEALTH	ERO19918017		\$1,220,744	\$1,465,964	MEDICAID CLUSTER	\$1,465,957
MEDICAL ASSISTANCE PROGRAM	93.778		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC15380134		\$7	\$1,465,964	RESEARCH AND DEVELOPMENT	\$168,798,546
CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMS) RESEARCH, DEMONSTRATIONS AND EVALUATIONS	93.779		MISSOURI DEPARTMENT OF SOCIAL SERVICES MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC11380275 AOC11380275		\$88,786	\$88,786	N/A	\$0
			AMERICAN ACADEMY OF ADDICTION PSYCHIATRY	1H791080816					
OPIOID STR	93.788		AMERICAN ACADEMY OF ADDICTION PSYCHIATRY	STATES 16-1	\$2,525,747	\$3,643,636	\$7,192,469	N/A	\$0
			AMERICAN ACADEMY OF ADDICTION PSYCHIATRY	STATES-18-1-51					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098					
OPIOID STR	93.788		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380119	\$555,750	\$3,548,833	\$7,192,469	N/A	\$0
MONEY FOLLOWS THE PERSON REBALANCING DEMONSTRATION	93.791		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC19380207		-\$1	-\$1	N/A	\$0
DOMESTIC EBOLA SUPPLEMENT TO THE EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	93.815		MISSOURI DEPARTMENT OF HEALTH AND SOCIAL SERVICES	AOC18380151		\$56,435	\$56,435	N/A	\$0
HEALTH CAREERS OPPORTUNITY PROGRAM	93.822					\$236,131	\$236,131	N/A	\$0
CAPACITY BUILDING ASSISTANCE (CBA) FOR HIGH-IMPACT HIV PREVENTION	93.834				\$8,192	\$76,506	\$76,506	N/A	\$0
CARDIOVASCULAR DISEASES RESEARCH	93.837				\$249,247	\$9,100,698	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
CARDIOVASCULAR DISEASES RESEARCH	93.837		BRIGHAM AND WOMENS HOSPITAL	PS# 107223		-\$5,290	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
CARDIOVASCULAR DISEASES RESEARCH	93.837		DUKE UNIVERSITY	203-8480		\$16,258	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
CARDIOVASCULAR DISEASES RESEARCH	93.837		NANOVA INC	0050018		\$359,973	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
CARDIOVASCULAR DISEASES RESEARCH	93.837		OHIO STATE UNIVERSITY	60067403		\$2,546	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
CARDIOVASCULAR DISEASES RESEARCH	93.837		REGENCOR INC	N/A		\$151,362	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
CARDIOVASCULAR DISEASES RESEARCH	93.837		TEXAS A&M UNIVERSITY	23-S152308/M1500033		\$73,930	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
CARDIOVASCULAR DISEASES RESEARCH	93.837		UNIVERSITY OF CALIFORNIA SAN FRANCISCO	80345C		\$12,179	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
CARDIOVASCULAR DISEASES RESEARCH	93.837		UNIVERSITY OF ROCHESTER	417457G/UR FAO GR510850		\$712	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
			WASHINGTON UNIVERSITY	WU-16-41					
CARDIOVASCULAR DISEASES RESEARCH	93.837		WASHINGTON UNIVERSITY	WU-18-433		\$279,677	\$9,992,045	RESEARCH AND DEVELOPMENT	\$168,798,546
LUNG DISEASES RESEARCH	93.838				\$138,309	\$473,806	\$764,994	RESEARCH AND DEVELOPMENT	\$168,798,546
LUNG DISEASES RESEARCH	93.838		INDIANA UNIVERSITY	IN4687787UMKC		\$10,263	\$764,994	RESEARCH AND DEVELOPMENT	\$168,798,546
			UNIVERSITY OF IOWA	1150786					
			UNIVERSITY OF IOWA	S00313-01					
			UNIVERSITY OF IOWA	S00313-02					
LUNG DISEASES RESEARCH	93.838		UNIVERSITY OF IOWA	W000976362/1001830340		\$243,754	\$764,994	RESEARCH AND DEVELOPMENT	\$168,798,546

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LUNG DISEASES RESEARCH	93.838		UNIVERSITY OF VIRGINIA	GB10393 154878		\$14,461	\$764,994	RESEARCH AND DEVELOPMENT	\$168,798,546
LUNG DISEASES RESEARCH	93.838		XEMED LLC	2R44HL117337-3_MU	\$22,710	\$22,710	\$764,994	RESEARCH AND DEVELOPMENT	\$168,798,546
BLOOD DISEASES AND RESOURCES RESEARCH	93.839		OHIO STATE UNIVERSITY	60067293		\$284,371	\$376,169	RESEARCH AND DEVELOPMENT	\$168,798,546
BLOOD DISEASES AND RESOURCES RESEARCH	93.839		WASHINGTON UNIVERSITY	WU-18-224					
BLOOD DISEASES AND RESOURCES RESEARCH	93.839		WASHINGTON UNIVERSITY	WU-18-224-MOD-1	\$64,979	\$91,798	\$376,169	RESEARCH AND DEVELOPMENT	\$168,798,546
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846				\$36,999	\$1,477,017	\$1,865,291	RESEARCH AND DEVELOPMENT	\$168,798,546
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		COLUMBIA UNIVERSITY	1(GG012259)					
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		COLUMBIA UNIVERSITY	1(GG012460)		\$235,190	\$1,865,291	RESEARCH AND DEVELOPMENT	\$168,798,546
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		DUKE UNIVERSITY	203-5349					
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		DUKE UNIVERSITY	A03-1070	\$143,653		\$1,865,291	RESEARCH AND DEVELOPMENT	\$168,798,546
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		KANSAS STATE UNIVERSITY	519049		\$9,431	\$1,865,291	RESEARCH AND DEVELOPMENT	\$168,798,546
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		LURIE CHILDREN'S HOSPITAL OF CHICAGO	PRIME R01DK090030		\$4,266	\$3,695,669	N/A	\$0
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF SOUTH FLORIDA	6163-1007-00-X					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF SOUTH FLORIDA	6163-1050-00-X		-\$2,760	\$3,695,669	N/A	\$0
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847				\$167,688	\$3,039,952	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN UNIVERSITY	RESS12221					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN UNIVERSITY	RESS12551					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN UNIVERSITY	RESS12836					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN UNIVERSITY	RESS12868					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN UNIVERSITY	RESS13281					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN UNIVERSITY	RESS14009		\$163,951	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		EMORY UNIVERSITY	A018862					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		EMORY UNIVERSITY	TS21105		\$77,056	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		INDIANA UNIVERSITY	BL-4645315-UM		\$148,336	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		MAYO CLINIC	UMI-203449		\$39,796	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		THE AMERICAN UROGYNECOLOGIC SOCIETY	N/A		\$710	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF MICHIGAN	SUBK00007925		\$20,744	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
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	6163-1042-00-X		\$21,828	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		VANDERBILT UNIVERSITY	UNIV60430		\$15,757	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		WASHINGTON UNIVERSITY	WU-17-184					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		WASHINGTON UNIVERSITY	WU-17-399					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		WASHINGTON UNIVERSITY	WU-18-308					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		WASHINGTON UNIVERSITY	WU-19-177		\$166,033	\$3,695,669	RESEARCH AND DEVELOPMENT	\$168,798,546
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853					\$2,003,775	\$2,116,119	RESEARCH AND DEVELOPMENT	\$168,798,546
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		INDIANA UNIVERSITY	IN-4683139-UM		\$112,344	\$2,116,119	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855				\$103,022	\$3,858,507	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		COLORADO STATE UNIVERSITY	G-44372		\$176,224	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		DUKE UNIVERSITY	SUM1A1104681-07		\$8,000	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		EMORY UNIVERSITY	7942000		\$52,653	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		FRED HUTCHINSON CANCER RESEARCH CENTER	0000956621		\$3,100	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		NOTRE DAME UNIVERSITY	203542UM		\$1,069	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		TECHSHOT INC	N/A		-\$29,131	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		UNIVERSITY OF HAWAII	Z10174965		\$6,750	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		UNIVERSITY OF MICHIGAN	SUBK00009447		\$7,603	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		UNIVERSITY OF TENNESSEE	19-0209 UMKC					
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		UNIVERSITY OF TENNESSEE	2R01A058145		\$28,473	\$4,113,248	RESEARCH AND DEVELOPMENT	\$168,798,546
MICROBIOLOGY AND INFECTIOUS DISEASES RESEARCH	93.856					\$22,234	\$22,234	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859				\$526,303	\$6,751,597	\$7,028,901	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		CORNELL UNIVERSITY	81218-11170		\$24,951	\$7,028,901	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		EMORY UNIVERSITY	7951652		\$63,582	\$7,028,901	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		ST LOUIS UNIVERSITY	43216		\$130,806	\$7,028,901	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	Z980000 ZAF00010		\$23,301	\$7,028,901	RESEARCH AND DEVELOPMENT	\$168,798,546
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		VIRGINIA POLYTECHNIC INST AND STATE UNIVERSITY	432054-19228		\$34,664	\$7,028,901	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865				\$18,999	\$1,818,705	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		JOHNS HOPKINS UNIVERSITY	2002181008		\$32,802	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		LEHIGH UNIVERSITY	543567-78001		\$86,609	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		OREGON HEALTH SCIENCE UNIVERSITY	1007056_UMO		\$737	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		PENNSYLVANIA STATE UNIVERSITY	5976-UM-DHHS-8806		\$20,267	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		UNIVERSITY OF CALIFORNIA SAN FRANCISCO	103745C		\$108,142	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		UNIVERSITY OF PITTSBURGH	0053267 (12949-1)		\$160,452	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546

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CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		UNIVERSITY OF SOUTHERN CALIFORNIA	100324072		\$14,201	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		UNIVERSITY OF VIRGINIA	GB10325 151803		\$11,114	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		WASHINGTON UNIVERSITY	WU-19-221		\$3,602	\$2,256,631	RESEARCH AND DEVELOPMENT	\$168,798,546
AGING RESEARCH	93.866		INDIANA UNIVERSITY	IN4668176UMKC	\$35,081	\$691,933	\$1,965,965	RESEARCH AND DEVELOPMENT	\$168,798,546
AGING RESEARCH	93.866		INDIANA UNIVERSITY	IN4680040UM					
AGING RESEARCH	93.866		INDIANA UNIVERSITY	IN4688176UMKC		\$1,011,198	\$1,965,965	RESEARCH AND DEVELOPMENT	\$168,798,546
AGING RESEARCH	93.866		NORTHWESTERN UNIVERSITY	60040682 UMKC		\$7,046	\$1,965,965	RESEARCH AND DEVELOPMENT	\$168,798,546
AGING RESEARCH	93.866		UNIVERSITY OF MARYLAND	65843-20159202		\$22,038	\$1,965,965	RESEARCH AND DEVELOPMENT	\$168,798,546
AGING RESEARCH	93.866		UNIVERSITY OF NORTH TEXAS	RM0088-2017-0392		\$98,627	\$1,965,965	RESEARCH AND DEVELOPMENT	\$168,798,546
AGING RESEARCH	93.866		WASHINGTON UNIVERSITY	1RF1AG053303		\$135,123	\$1,965,965	RESEARCH AND DEVELOPMENT	\$168,798,546
VISION RESEARCH	93.867					\$2,154,116	\$2,156,695	RESEARCH AND DEVELOPMENT	\$168,798,546
VISION RESEARCH	93.867		UNIVERSITY OF NORTH TEXAS	1R01EY027005		\$2,579	\$2,156,695	RESEARCH AND DEVELOPMENT	\$168,798,546
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT	93.870		CHILDREN'S MERCY HOSPITAL	18-0001		\$54,810	\$171,877	MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING CLUSTER	\$149,905
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT	93.870		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC16380067		\$95,095	\$171,877	MATERNAL, INFANT, AND EARLY CHILDHOOD HOME VISITING	\$149,905
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT	93.870		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380106		\$21,972	\$171,877	RESEARCH AND DEVELOPMENT	\$168,798,546
MEDICAL LIBRARY ASSISTANCE	93.879		CHILDREN'S MERCY HOSPITAL	18-0001	\$96,160	\$833,137	\$948,519	RESEARCH AND DEVELOPMENT	\$168,798,546
MEDICAL LIBRARY ASSISTANCE	93.879		UNIVERSITY OF UTAH	10039576-04		\$115,382	\$948,519	RESEARCH AND DEVELOPMENT	\$168,798,546
GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	93.884					\$251,864		N/A	\$0
CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS	93.898		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380166		\$959,843	\$959,843	RESEARCH AND DEVELOPMENT	\$168,798,546
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910		ST LOUIS COUNTY DEPARTMENT OF HEALTH	38-675				N/A	\$0
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910		ST LOUIS COUNTY DEPARTMENT OF HEALTH	N/A		\$47,344	\$140,693	N/A	\$0
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910		ST LOUIS COUNTY MISSOURI	N/A		\$93,349	\$140,693	RESEARCH AND DEVELOPMENT	\$168,798,546
RURAL HEALTH CARE SERVICES OUTREACH, RURAL HEALTH NETWORK DEVELOPMENT AND SMALL HEALTH CARE PROVIDER QUALITY IMPROVEMENT PROGRAM	93.912		RANDOLPH COUNTY CARING COMMUNITY PARTNERSHIP	N/A		\$10,888	\$11,641	N/A	\$0
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		\$753	\$11,641	RESEARCH AND DEVELOPMENT	\$168,798,546
HEALTHY START INITIATIVE	93.926		MATERNAL AND CHILD HEALTH COALITION	N/A		\$72,487	\$91,548	N/A	\$0
HEALTHY START INITIATIVE	93.926		MATERNAL AND CHILD HEALTH COALITION	2 H49MCO1449-17-00		\$19,061	\$91,548	RESEARCH AND DEVELOPMENT	\$168,798,546
HIV PREVENTION ACTIVITIES_NON-GOVERNMENTAL ORGANIZATION BASED	93.939				\$253,042	\$1,019,197	\$1,019,197	N/A	\$0
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380257				N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380299		\$140,034	\$140,034	N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH160016001				N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		IOWA DEPARTMENT OF HEALTH	5880MM41				N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		IOWA DEPARTMENT OF HEALTH	5889MM41		\$46,070	\$107,349	N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC15380250		-\$67	\$107,349	N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		NORTH DAKOTA DEPARTMENT OF HEALTH	PF17.139		\$8,155	\$107,349	N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		RHODE ISLAND DEPARTMENT OF ADMINISTRATION	N/A		-\$294	\$107,349	N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		STATE OF FLORIDA	813D0D				N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		STATE OF FLORIDA	834683		\$20,587	\$107,349	N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		STATE OF MONTANA	17-07-5-01-300-0				N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		STATE OF MONTANA	19-07-5-01-300-0		\$32,898	\$107,349	N/A	\$0
BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE	93.959		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098				N/A	\$0
PPHF GERIATRIC EDUCATION CENTERS	93.969		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC09380028		\$603,348	\$603,348	N/A	\$0
COOPERATIVE AGREEMENTS FOR STATE-BASED DIABETES CONTROL PROGRAMS AND EVALUATION OF SURVEILLANCE SYSTEMS	93.988		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC1380234 TA 19901		\$9,893	\$9,893	RESEARCH AND DEVELOPMENT	\$168,798,546
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT	93.991		ST LOUIS UNIVERSITY	SU1QH28716				N/A	\$0
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		STATE OF MONTANA	15-07-1-01-022-0		\$186,157	\$186,157	N/A	\$0
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		OHIO DEPARTMENT OF HEALTH	DOH01-0000054764		\$13,244	\$13,244	N/A	\$0
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		MONTANA DEPARTMENT OF HEALTH	145097				N/A	\$0
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		MONTANA DEPARTMENT OF HEALTH	66561 AMD 2		\$29,617	\$74,305	N/A	\$0
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380018				N/A	\$0
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	CS170220009		\$19,416	\$74,305	N/A	\$0
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380256		\$25,272	\$74,305	RESEARCH AND DEVELOPMENT	\$168,798,546
DEVELOPMENT OF A LOW COST LIDAR GROUND CONTROL HAZARD DETECTION NETWORK	93.RD	200-2016-91155				\$3,933	\$281,928	RESEARCH AND DEVELOPMENT	\$168,798,546



University of Missouri System  
Schedule of Expenditures of Federal Awards  
Fiscal Period 7/1/2018 - 6/30/2019

Federal Awarding Agency/Program Title	Federal CFDA Number	Additional Award Identification (Optional)	Name of Funder Pass-Through Entity	Identifying Number Assigned By Funder Pass-Through Entity	Total Amount Provided to Sub-Recipients	Federal Expenditures	Federal Program Total	Cluster Name	Cluster Total
EVALUATION OF ACTIVE SUPPRESSION SYSTEMS FOR UNDERGROUND COAL MINE EXPLOSIONS	93.RD	200-2017-95256				\$136,707	\$281,928	RESEARCH AND DEVELOPMENT	\$168,798,546
MEASUREMENT OF SODIUM, IODINE, AND SCANDIUM IN NAIL SAMPLES FROM THE GOLESTAN COHORT, IRAN	93.RD	HHSN261201800293P				\$10,583	\$281,928	RESEARCH AND DEVELOPMENT	\$168,798,546
CANCER INTERVENTION AND SURVEILLANCE MODELING (CISNET) CONTRACT	93.RD	HHSN261201800655P				\$1,906	\$281,928	RESEARCH AND DEVELOPMENT	\$168,798,546
PANDA RECOVERY PROJECT	93.RD	75N95019P00275				\$3,343	\$281,928	RESEARCH AND DEVELOPMENT	\$168,798,546
COMPUTER METHODS FOR DIGITIZED HISTOLOGY IMAGE ANALYSIS AND BIOMEDICAL CLASSIFICATION	93.RD	HHSN276201500691P				\$30,727	\$281,928	RESEARCH AND DEVELOPMENT	\$168,798,546
<i>DIRECT-FROM-SAMPLE PHENOTYPIC AST DIAGNOSTIC FOR N. GONORRHOEAE</i>	93.RD	00063570	IMPEDX DIAGNOSTICS	00063570		\$77,283	\$281,928	RESEARCH AND DEVELOPMENT	\$168,798,546
<i>COTC028: PRECLINICAL ASSESSMENT OF AN ORAL P97 INHIBITOR, CB-5339, IN TUMOR-BEARING DOGS</i>	93.RD	19X021	LEIDOS INC	19X021		\$17,446	\$281,928	RESEARCH AND DEVELOPMENT	\$168,798,546
LABORATORY DIABETES ANALYSES FOR NHANES 2016-2021	93.U01	200-2017-91987				\$83,248	\$83,248	N/A	\$0
<i>TA AND TRAINING ON WOMEN AND FAMILIES IMPACTED BY SUBSTANCE USE AND MENTAL HEALTH DISORDERS (WOMENS TA/T)</i>	93.U02	7252.00-SAMHSA-WOMEN	ADVOCATES FOR HUMAN POTENTIAL INC	7252.00-SAMHSA-WOMEN		\$14,404	\$14,404	N/A	\$0
HEALTHY FOOD RETAIL PROJECT (STOCK HEALTHY, SHOP HEALTHY)	93.U03	AOC17380022	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380022		-\$4,080	-\$4,080	N/A	\$0
MO HEALTHNET DATA PROJECT	93.U04	AOC15380036	MISSOURI DIVISION OF MEDICAL SERVICES	AOC15380036		\$190,968	\$190,968	N/A	\$0
NEW EDITIONS EVALUATION WITH NASDDDS 2018-2019	93.U05	N/A	NATIONAL ASSOCIATION OF STATE DIRECTIONS OF DEVELOPMENTAL DISABILITIES	N/A		-\$2,324	-\$2,324	N/A	\$0
PATTERNS OF OVARIAN CANCER	93.U06	6282.05-503	WESTAT INC	6282.05-503		\$3,428	\$3,428	N/A	\$0
<b>TOTAL DEPARTMENT OF HEALTH AND HUMAN SERVICES</b>						\$10,285,705	\$126,304,053		
<b>CORPORATION FOR NATIONAL AND COMMUNITY SERVICE</b>									
AMERICORPS	94.006					\$545,483	\$769,051	N/A	\$0
AMERICORPS	94.006		JUMPSTART	500200		\$23,568	\$769,051	N/A	\$0
<b>TOTAL CORPORATION FOR NATIONAL AND COMMUNITY SERVICE</b>							\$769,051		
<b>DEPARTMENT OF HOMELAND SECURITY</b>									
EMERGENCY FOOD AND SHELTER NATIONAL BOARD PROGRAM	97.024		UNITED WAY OF GREATER ST LOUIS	547600-63		\$3,000	\$3,000	N/A	\$0
NATIONAL DAM SAFETY PROGRAM	97.041		MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A		\$39,402	\$39,402	N/A	\$0
HOMELAND SECURITY GRANT PROGRAM	97.067		EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	48887005		\$28,600	\$196,043	N/A	\$0
HOMELAND SECURITY GRANT PROGRAM	97.067		STATE EMERGENCY MANAGEMENT AGENCY	AOC16380071		\$113,800	\$196,043	N/A	\$0
HOMELAND SECURITY GRANT PROGRAM	97.067		EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	48887005-GIS		\$53,643	\$196,043	RESEARCH AND DEVELOPMENT	\$168,798,546
HOMELAND SECURITY GRANT PROGRAM	97.067		EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	48887005-SPSS		\$53,643	\$196,043	RESEARCH AND DEVELOPMENT	\$168,798,546
<b>TOTAL DEPARTMENT OF HOMELAND SECURITY</b>							\$238,445		
<b>U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT</b>									
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		MICHIGAN STATE UNIVERSITY	RC102095BHEARD		\$32,888	\$442,284	N/A	\$0
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		PENNSYLVANIA STATE UNIVERSITY	4933-UM-AID-0077		\$5,975	\$442,284	N/A	\$0
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF ILLINOIS SYSTEM	072112-17361		\$33,958	\$442,284	N/A	\$0
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF ILLINOIS SYSTEM	072112-17425		\$33,958	\$442,284	N/A	\$0
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		LINC INC	LINC-SUB-UM-17-0001		\$3,465	\$442,284	RESEARCH AND DEVELOPMENT	\$168,798,546
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-05		\$85,036	\$365,998	RESEARCH AND DEVELOPMENT	\$168,798,546
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-13		\$85,036	\$365,998	RESEARCH AND DEVELOPMENT	\$168,798,546
USAID AGRICULTURE AND RURAL DEVELOPMENT SUPPORT (ARDS) - UKRAINE	98.U01	SUB-325	CHEMONICS INTERNATIONAL INC	SUB-325		\$28,942	\$28,942	N/A	\$0
<b>TOTAL U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT</b>						\$85,036	\$471,226		
<b>TOTAL EXPENDITURE OF FEDERAL AWARDS</b>						\$21,832,975	\$732,537,049		

**Please Note:**

*Italicized award lines indicate pass-through funding*

The accompanying Notes to the Schedule of Expenditures of Federal Awards are an integral part of the schedule.

**University of Missouri System**  
**Notes to the Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2019**

**Notes to Schedule**

1. The accompanying schedule of expenditures of federal awards (the "Schedule") includes the federal award activity of University of Missouri System (the System) under programs of the federal government for the year ended June 30, 2019. The information in this Schedule 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 Schedule presents only a selected portion of the operations of the System, it is not intended to and does not present the financial position, changes in net position or cash flows of the System.
2. Expenditures reported on the Schedule are reported on the accrual basis of accounting. Such expenditures are recognized following, as applicable, either the cost principles in the Office of Management and Budget (OMB) Circular A-21, *Cost Principles for Educational Institutions* or the cost principles contained in the Uniform Guidance, wherein certain types of expenditures are not allowable or are limited as to reimbursement. Negative amounts shown on the Schedule, if any, 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 Schedule. The balance of loans outstanding at June 30, 2019, consists of:

<i>Federal Grantor/Program Title</i>	<i>Federal CFDA Number</i>	<i>Outstanding Balance at 6/30/2019</i>
<b>DEPARTMENT OF EDUCATION LOAN PROGRAMS</b>		
PERKINS LOAN PROGRAM	84.038	\$ 25,387,816
FEDERAL DIRECT STUDENT LOANS	84.268	N/A
<b>DEPARTMENT OF HEALTH AND HUMAN SERVICES LOAN PROGRAMS</b>		
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264	\$ 2,810,210
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342	15,500,307
NURSING STUDENT LOANS	93.364	1,426,665

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

**Independent Auditor's Report**

The Board of Curators  
University of Missouri System  
Columbia, Missouri

We have audited, in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, the financial statements of the business-type activities and the fiduciary activities of the University of Missouri System (the "System") as of and for the year ended June 30, 2019, 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 15, 2019, which contained an emphasis-of-matter paragraph regarding a change in accounting principle.

**Internal Control Over Financial Reporting**

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

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

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

### **Compliance and Other Matters**

As part of obtaining reasonable assurance about whether the System's financial statements are free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts and grant agreements, noncompliance with which could have a direct and material effect on the determination of financial statement amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*.

### **Purpose of this Report**

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the entity's internal control or on compliance. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the entity's internal control and compliance. Accordingly, this communication is not suitable for any other purpose.

**BKD, LLP**

Kansas City, Missouri  
October 15, 2019

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

**Independent Auditor's Report**

The Board of Curators  
University of Missouri System  
Columbia, Missouri

**Report on Compliance for Each Major Federal Program**

We have audited the University of Missouri System's (the "System") compliance with the types of compliance requirements described in the *OMB Compliance Supplement* that could have a direct and material effect on each of the System's major federal programs for the year ended June 30, 2019. The System's major federal programs are identified in the summary of auditor's results section of the accompanying schedule of findings and questioned costs.

**Management's Responsibility**

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

**Auditor's Responsibility**

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

We believe that our audit provides a reasonable basis for our opinion on compliance for each major federal program. However, our audit does not provide a legal determination of the System's compliance.

### **Opinion on Each Major Federal Program**

In our opinion, the System complied, in all material respects, with the types of compliance requirements referred to above that could have a direct and material effect on each of its major federal programs for the year ended June 30, 2019.

### **Report on Internal Control Over Compliance**

Management of the System is responsible for establishing and maintaining effective internal control over compliance with the types of compliance requirements referred to above. In planning and performing our audit of compliance, we considered the System's internal control over compliance with the types of requirements that could have a direct and material effect on each major federal program to determine the auditing procedures that are appropriate in the circumstances for the purpose of expressing an opinion on compliance for each major federal program and to test and report on internal control over compliance in accordance with the Uniform Guidance, but not for the purpose of expressing an opinion on the effectiveness of internal control over compliance. Accordingly, we do not express an opinion on the effectiveness of the System's internal control over compliance.

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

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

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

### **Report on Schedule of Expenditures of Federal Awards Required by the Uniform Guidance**

We have audited the financial statements of the business-type activities and the fiduciary activities of the University of Missouri System as of and for the year ended June 30, 2019, and the related notes to the financial statements, which collectively comprise the System's basic financial statements. We issued our report thereon dated October 15, 2019, which contained an unmodified opinion on those financial statements and an emphasis-of-matter paragraph regarding a change in accounting principle. Our audit was conducted for the purpose of forming opinions on the financial statements that collectively comprise the basic financial statements. The accompanying schedule of expenditures of federal awards is presented for purposes of additional analysis as required by the Uniform Guidance and is not a required part of the basic financial statements. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the basic financial statements. The information has been subjected to the auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the basic financial statements or to the basic financial statements themselves, and other additional procedures in accordance with auditing standards generally accepted in the United States of America. In our opinion, the schedule of expenditures of federal awards is fairly stated in all material respects in relation to the basic financial statements as a whole.

*BKD, LLP*

Kansas City, Missouri  
February 19, 2020

**University of Missouri System**  
**Schedule of Findings and Questioned Costs**  
**Year Ended June 30, 2019**

**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 opinion expressed in the independent auditor's report on compliance for major federal awards was:

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, 2019**

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
Health Professional Student Loans	93.342
Nursing Student Loans	93.364
Smith-Lever Funding	10.511
Opioid State Targeted Response Technical Assistance	93.788

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, 2019**

<b>Reference Number</b>	<b>Summary of Finding</b>	<b>Status</b>
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No matters are reportable.