

# **University of Missouri System**

Single Audit Reports

June 30, 2020

**University of Missouri System**  
**Single Audit Reports and Schedule of Expenditures of Federal Awards**  
**Year Ended June 30, 2020**

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**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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	58-5070-9-017				\$85,366	\$3,091,362	N/A	\$0
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-2070-0-017				\$12,777	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5030-6-063				\$161,389	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5030-9-047				\$6,953	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-0-012				\$19,033	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-0-013				\$28,271	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-0-014				\$45,706	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-0-018				\$6,037	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-5-016				\$140,228	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-7-019				\$160,898	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-8-013				\$1,692	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-9-004				\$7,567	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-9-005				\$266,249	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-9-007				\$70,478	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-9-008				\$827	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-9-010				\$36,972	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-9-011				\$15,972	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-5070-9-016				\$57,039	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-6020-6-001				\$1,224,725	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	58-8042-5-075				\$19,620	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-0206-4-025				-\$3	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-0206-8-204				\$108,716	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-0206-9-120				\$9,301	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-0208-0-003				\$6,976	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-5070-0-003				\$43,058	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-5070-0-010				\$134,722	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-5070-0-014				\$20,396	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-5070-7-007				\$103,214	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-5070-7-008				-\$23,452	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-5070-7-010				\$50,682	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-5070-9-001				\$3,877	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-6070-0-002				\$40,132	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-6070-0-003				\$10,848	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-6070-0-013				\$55,040	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-6070-0-014				\$54,297	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001	59-6070-0-015				\$79,262	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL RESEARCH_BASIC AND APPLIED RESEARCH	10.001		MISSISSIPPI STATE UNIVERSITY	182090.310330.01		\$26,497	\$3,091,362	RESEARCH AND DEVELOPMENT	\$178,747,631
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025	AP18VSNVSL00C029				\$1,184	\$242,490	RESEARCH AND DEVELOPMENT	\$178,747,631
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025	AP20VSD&B000C017				\$159,282	\$242,490	RESEARCH AND DEVELOPMENT	\$178,747,631
PLANT AND ANIMAL DISEASE, PEST CONTROL, AND ANIMAL CARE	10.025		MISSISSIPPI STATE UNIVERSITY	WAN MSU--USDA 310265		\$82,024	\$242,490	RESEARCH AND DEVELOPMENT	\$178,747,631
WILDLIFE SERVICES	10.028	AP19WSNWRCC0C018				\$104,738	\$249,498	RESEARCH AND DEVELOPMENT	\$178,747,631
WILDLIFE SERVICES	10.028	AP19WSNWRCC0C020				\$47,926	\$249,498	RESEARCH AND DEVELOPMENT	\$178,747,631
WILDLIFE SERVICES	10.028		MISSISSIPPI STATE UNIVERSITY	WAN MSU--USDA 310268		\$96,834	\$249,498	RESEARCH AND DEVELOPMENT	\$178,747,631
WETLANDS RESERVE PROGRAM	10.072		NATURE CONSERVANCY	20180705-02		\$139,187	\$139,187	RESEARCH AND DEVELOPMENT	\$178,747,631
MARKET NEWS	10.153		MISSOURI DEPARTMENT OF AGRICULTURE	N/A		\$9,712	\$9,712	N/A	\$0
FARMERS' MARKET AND LOCAL FOOD PROMOTION PROGRAM	10.168		OREGON FARMERS MARKETS ASSOCIATION	N/A		\$7,705	\$7,705	N/A	\$0
			MISSOURI DEPARTMENT OF AGRICULTURE						
			MISSOURI DEPARTMENT OF AGRICULTURE						
			MISSOURI DEPARTMENT OF AGRICULTURE						
			MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP00003 PROJECT 2					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM180100XXXXG011 PROJ 6					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM180100XXXXG011 PROJ 8					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM190100XXXXG029					
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170		AGRICULTURE	N/A		\$67,628	\$130,656	N/A	\$0
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	AM190200XXXXG010				\$2,583	\$130,656	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
			MISSOURI DEPARTMENT OF AGRICULTURE						
			MISSOURI DEPARTMENT OF AGRICULTURE						
			MISSOURI DEPARTMENT OF AGRICULTURE						
			MISSOURI DEPARTMENT OF AGRICULTURE						
			MISSOURI DEPARTMENT OF AGRICULTURE	16SCBGP00003 PROJECT 7					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 PROJ 10					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 PROJ 11					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 PROJ 3					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM180100XXXXG011 PROJ 7					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM180100XXXXG011 PROJ 9					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM190100XXXXG029 PROJ 10					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM190100XXXXG029 PROJ 3					
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170		MISSOURI DEPARTMENT OF AGRICULTURE	AM190100XXXXG029 PROJ 4		\$51,219	\$130,656	RESEARCH AND DEVELOPMENT	\$178,747,631
			MISSOURI DEPARTMENT OF AGRICULTURE						
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170		MISSOURI DEPARTMENT OF AGRICULTURE	AM190100XXXXG029 PROJ 7					
			MISSOURI DEPARTMENT OF AGRICULTURE	N/A		\$9,226	\$130,656	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE FORESTRY RESEARCH	10.202	N119MSCFRXXXG053				\$133,551	\$685,115	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE FORESTRY RESEARCH	10.202	N120MSCFRXXXG077				\$551,564	\$685,115	RESEARCH AND DEVELOPMENT	\$178,747,631
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203	N119HFPXXXXG005				\$960,494	\$5,156,954	RESEARCH AND DEVELOPMENT	\$178,747,631
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203	N119HMFXXXXG031				\$193,853	\$5,156,954	RESEARCH AND DEVELOPMENT	\$178,747,631
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203	N120HFPXXXXG042				\$3,317,536	\$5,156,954	RESEARCH AND DEVELOPMENT	\$178,747,631
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10.203	N120HMFXXXXG041				\$685,071	\$5,156,954	RESEARCH AND DEVELOPMENT	\$178,747,631
ANIMAL HEALTH AND DISEASE RESEARCH	10.207	N120AHDRXXXXG028				\$57,459	\$57,459	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHER EDUCATION - GRADUATE FELLOWSHIPS GRANT PROGRAM	10.210	2019-38420-28972				\$58,859	\$58,859	N/A	\$0
SMALL BUSINESS INNOVATION RESEARCH	10.212		CRYOCRATE LLC	002		\$20,103	\$43,769	RESEARCH AND DEVELOPMENT	\$178,747,631
SMALL BUSINESS INNOVATION RESEARCH	10.212		THERMOCORE OF MISSOURI LLC	00069130		\$23,666	\$43,769	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF MINNESOTA	H005722917					
			UNIVERSITY OF MINNESOTA	H005722924					
			UNIVERSITY OF MINNESOTA	H006607401					
			UNIVERSITY OF MINNESOTA	H007179301					
			UNIVERSITY OF MINNESOTA	H007179332					
			UNIVERSITY OF MINNESOTA	H007179344					
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H007813901		\$325,990	\$362,535	N/A	\$0
			UNIVERSITY OF MINNESOTA	H006607418					
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H007179350		\$36,545	\$362,535	RESEARCH AND DEVELOPMENT	\$178,747,631
			LINCOLN UNIVERSITY	2014-3560					
			LINCOLN UNIVERSITY	2017-3560					
			LINCOLN UNIVERSITY	2018-3640					
			LINCOLN UNIVERSITY	2018-3641					
1890 INSTITUTION CAPACITY BUILDING GRANTS	10.216		LINCOLN UNIVERSITY	2019-38821-29050		\$177,893	\$207,891	RESEARCH AND DEVELOPMENT	\$178,747,631
1890 INSTITUTION CAPACITY BUILDING GRANTS	10.216		LINCOLN UNIVERSITY	R000039		\$29,998	\$207,891	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM	10.217	2017-70003-26392	VIRGINIA STATE UNIVERSITY			\$1,684	\$1,684	N/A	\$0
RESEARCH INNOVATION AND DEVELOPMENT GRANTS IN ECONOMIC (RIDGE)	10.255		TUFTS UNIVERSITY	AG9002-ARTEAGA	\$20,000	\$31,865	\$31,865	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL MARKET AND ECONOMIC RESEARCH	10.290	58-0111-18-027				\$123,900	\$123,900	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS	10.291	58-0111-17-015				\$5	\$1,570,347	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS	10.291	58-0111-18-024			\$139,183	\$622,795	\$1,570,347	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS	10.291	58-0111-19-011			\$88,873	\$897,409	\$1,570,347	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS	10.291	58-0111-19-012				\$50,138	\$1,570,347	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF WISCONSIN MADISON	0000000409		\$965	\$244,076	N/A	\$0
INTEGRATED PROGRAMS	10.303	2017-51106-27007			\$14,845	\$221,378	\$244,076	RESEARCH AND DEVELOPMENT	\$178,747,631
INTEGRATED PROGRAMS	10.303		MICHIGAN STATE UNIVERSITY	RC110122UMO	\$1,617	\$21,733	\$244,076	RESEARCH AND DEVELOPMENT	\$178,747,631
HOMELAND SECURITY_AGRICULTURAL	10.304		MISSISSIPPI STATE UNIVERSITY	RC106556G		\$25,082	\$300,143	N/A	\$0
HOMELAND SECURITY_AGRICULTURAL	10.304	2019-37620-30494				\$275,061	\$300,143	RESEARCH AND DEVELOPMENT	\$178,747,631
ORGANIC AGRICULTURE RESEARCH AND EXTENSION INITIATIVE	10.307	2014-51300-22251				\$-99	\$-99	RESEARCH AND DEVELOPMENT	\$178,747,631
SPECIALTY CROP RESEARCH INITIATIVE	10.309		VIGINIA TECH	422652-19228		\$1,816	\$1,816	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67032-29290				\$78,525	\$4,496,243	N/A	\$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2018-67012-28044				\$54,346	\$4,496,243	N/A	\$0



**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
VETERINARY SERVICES GRANT PROGRAM	10.336	2019-70024-30316				\$3,572	\$3,572	N/A	\$0
RURAL BUSINESS DEVELOPMENT GRANT	10.351	N/A				\$26,065	\$26,065	N/A	\$0
OUTREACH AND ASSISTANCE FOR SOCIALLY DISADVANTAGED AND VETERAN FARMERS AND RANCHERS	10.443	AO172501X443G044				\$23,094	\$23,094	N/A	\$0
RISK MANAGEMENT EDUCATION PARTNERSHIPS	10.460		UNIVERSITY OF NEBRASKA LINCOLN	25-6324-0182-002		\$13,891	\$13,891	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500	2014-41590-22323				\$49,756	\$636,648	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500	2015-41520-23773				\$89,460	\$636,648	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500	2016-48540-25859			\$98,171	\$173,118	\$636,648	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500	2018-41590-28716			\$55,384	\$162,292	\$636,648	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500	2019-41210-30095				\$15,821	\$636,648	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500	2019-41520-30039				\$44,475	\$636,648	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500	2019-48540-30098			\$14,075	\$52,103	\$636,648	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF NEBRASKA LINCOLN	25-6324-0150-321					
			UNIVERSITY OF NEBRASKA LINCOLN	25-6324-0187-007		\$35,600	\$636,648	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF WISCONSIN MADISON	N/A		\$14,023	\$636,648	N/A	\$0
SMITH-LEVER FUNDING (VARIOUS PROGRAMS)	10.511	N19SLBCXXXXG012				\$1,557,812	\$9,815,511	N/A	\$0
SMITH-LEVER FUNDING (VARIOUS PROGRAMS)	10.511	N120SLBCXXXXG023				\$8,257,699	\$9,815,511	N/A	\$0
EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM	10.514	N19EFNEPXXXXG032				\$284,153	\$1,401,698	N/A	\$0
EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM	10.514	N120EFNEPXXXXG058				\$1,117,545	\$1,401,698	N/A	\$0
RENEWABLE RESOURCES EXTENSION ACT AND NATIONAL FOCUS FUND PROJECTS	10.515	N19RREAFXXXXG044				\$18,909	\$80,036	N/A	\$0
RENEWABLE RESOURCES EXTENSION ACT AND NATIONAL FOCUS FUND PROJECTS	10.515	N120RREAFXXXXG011				\$61,127	\$80,036	N/A	\$0
FARM AND RANCH STRESS ASSISTANCE NETWORK COMPETITIVE GRANTS PROGRAM (B)	10.525		IOWA STATE UNIVERSITY	021546D		\$2,495	\$2,495	N/A	\$0
SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN, INFANTS, AND CHILDREN	10.557		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES						
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380018		\$29,623	\$29,623	N/A	\$0
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC20380009					
CHILD AND ADULT CARE FOOD PROGRAM	10.558		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	ERS46110020		\$17,206	\$17,206	N/A	\$0
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	ERS4611511					
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.561		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC18380029					
SCIENTIFIC COOPERATION EXCHANGE PROGRAM WITH CHINA	10.614	FX18SE-10614R004			\$18,091	\$10,464,749	\$10,464,749	SNAP CLUSTER	\$10,464,749
COOPERATIVE FORESTRY ASSISTANCE	10.664		TEXAS A&M UNIVERSITY	CO-19-286	\$7,145	\$29,797	\$29,797	N/A	\$0
COOPERATIVE FORESTRY ASSISTANCE	10.664		UNIVERSITY OF TENNESSEE	9500085477		\$104,556	\$119,056	RESEARCH AND DEVELOPMENT	\$178,747,631
FOREST HEALTH PROTECTION	10.680	15-CA-11420004-206				\$5,662	\$17,515	RESEARCH AND DEVELOPMENT	\$178,747,631
FOREST HEALTH PROTECTION	10.680	19-CA-11420000-299				\$11,853	\$17,515	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	16-JV-11242313-119				\$126,388	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	17-JV-11242311-025				\$4,018	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	17-JV-11242311-032				\$25,977	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	17-JV-11242311-043				\$31,235	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	17-JV-11330143-106				\$13,213	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	18-JV-11221639-175				\$19,044	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	18-JV-11242311-030				\$82,888	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	18-JV-11242311-068				\$30,147	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	18-JV-11242311-084				\$54,776	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	19-JV-11242311-005				\$8,879	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	19-JV-11242311-013				\$55,517	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	19-JV-11242311-050				\$5,805	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	19-JV-11242311-071				\$3,007	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	19-JV-11242311-092				\$14,985	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS	10.699	19-JV-11242313-035				\$49,044	\$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH JOINT VENTURE AND COST REIMBURSABLE AGREEMENTS	10.707	19-JV-11242311-073				\$74,532	\$74,532	RESEARCH AND DEVELOPMENT	\$178,747,631
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX18BF-10777R012				\$8,026	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX18BF-10777R018				\$10,548	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX18BF-10777R029				\$7,160	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX19BF-10777R013				\$27,320	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX19BF-10777R018				\$30,058	\$210,701	N/A	\$0

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX198F-10777R019				\$38	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX198F-10777R023				\$26,088	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX198F-10777R027				\$23,557	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX198F-10777R031				\$33,748	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX198F-10777R045				\$22,503	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX208F-10777R003				\$21,655	\$210,701	RESEARCH AND DEVELOPMENT	\$178,747,631
RURAL ENERGY FOR AMERICA PROGRAM	10.868	GLSX0001925183				\$89	\$89	N/A	\$0
SOIL AND WATER CONSERVATION	10.902	68-6424-17-014				\$272,262	\$977,378	N/A	\$0
SOIL AND WATER CONSERVATION	10.902	69-6424-16-517				\$117,172	\$977,378	N/A	\$0
SOIL AND WATER CONSERVATION	10.902	69-6424-17-020				\$85,462	\$977,378	N/A	\$0
SOIL AND WATER CONSERVATION	10.902	NR193A750023C006				\$48,706	\$977,378	N/A	\$0
SOIL AND WATER CONSERVATION	10.902	NR196424XXXXC003				\$3,451	\$977,378	N/A	\$0
SOIL AND WATER CONSERVATION	10.902	NR196424XXXXG001				\$11,919	\$977,378	N/A	\$0
SOIL AND WATER CONSERVATION	10.902	NR196424XXXXG002				\$30,272	\$977,378	N/A	\$0
SOIL AND WATER CONSERVATION	10.902	NR196424XXXXG007				\$53,643	\$977,378	N/A	\$0
SOIL AND WATER CONSERVATION	10.902		LINCOLN UNIVERSITY	2018-3632		\$5,649	\$977,378	N/A	\$0
SOIL AND WATER CONSERVATION	10.902	68-6424-15-267				\$16,275	\$977,378	RESEARCH AND DEVELOPMENT	\$178,747,631
SOIL AND WATER CONSERVATION	10.902	68-6424-16-503				\$14,825	\$977,378	RESEARCH AND DEVELOPMENT	\$178,747,631
SOIL AND WATER CONSERVATION	10.902	68-7482-17-015				\$41,347	\$977,378	RESEARCH AND DEVELOPMENT	\$178,747,631
SOIL AND WATER CONSERVATION	10.902	NR183A750023C003				\$73,467	\$977,378	RESEARCH AND DEVELOPMENT	\$178,747,631
SOIL AND WATER CONSERVATION	10.902	NR186424XXXXC032				\$79,143	\$977,378	RESEARCH AND DEVELOPMENT	\$178,747,631
SOIL AND WATER CONSERVATION	10.902	NR196424XXXXC004				\$58,996	\$977,378	RESEARCH AND DEVELOPMENT	\$178,747,631
SOIL AND WATER CONSERVATION	10.902	NR196424XXXXC005				\$64,789	\$977,378	RESEARCH AND DEVELOPMENT	\$178,747,631
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	68-6424-17-014				-\$40,762	\$124,092	N/A	\$0
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	69-3A75-17-277				\$105,346	\$124,092	N/A	\$0
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	69-6424-16-517				\$5,822	\$124,092	N/A	\$0
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	69-6424-17-020				\$18,147	\$124,092	N/A	\$0
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	NR186424XXXXG013				\$32,787	\$124,092	N/A	\$0
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		LINCOLN UNIVERSITY	2018-3632		\$529	\$124,092	N/A	\$0
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912	NR186424XXXXG014				\$506	\$124,092	RESEARCH AND DEVELOPMENT	\$178,747,631
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		ALITA ANN JOHNSON REVOCABLE TRUST	NA/		\$113	\$124,092	RESEARCH AND DEVELOPMENT	\$178,747,631
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		INDIANA UNIVERSITY OF PENNSYLVANIA	1718-172.002		\$1,604	\$124,092	RESEARCH AND DEVELOPMENT	\$178,747,631
CONSERVATION STEWARDSHIP PROGRAM	10.924	NR186424XXXXG011				\$25,241	\$25,241	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	FX17TA-10960R001A				\$6,578	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	FX18TA-10960R020				\$102,928	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	FX18TA-10960R022				\$77,216	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	FX18TA-10960R024				\$50,001	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	FX19TA-10960R008				\$6,215	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	FX19TA-10960R010				\$61,894	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	TA-CR-14-046				\$10,129	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	TA-CR-14-060				\$35,082	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	TA-CR-15-005				\$59,962	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	TA-CR-17-012				\$2,126	\$425,537	N/A	\$0
TECHNICAL AGRICULTURAL ASSISTANCE	10.960	TA-CR-17-016				\$13,406	\$425,537	N/A	\$0
COCHRAN FELLOWSHIP PROGRAM-INTERNATIONAL TRAINING-FOREIGN PARTICIPANT	10.962	FX19CO-10962R036				\$63,019	\$107,196	N/A	\$0
COCHRAN FELLOWSHIP PROGRAM-INTERNATIONAL TRAINING-FOREIGN PARTICIPANT	10.962	FX19CO-10962R053				\$44,177	\$107,196	N/A	\$0
INTERGOVERNMENTAL PERSONNEL AGREEMENT	10.RD	N/A				\$107,850	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
STUDY ON THE ECONOMICS AND POLICIES OF GENOME EDITING TECHNOLOGIES IN AGRICULTURE AND FOOD 2018	10.RD	12315118P0166				\$5,008	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
SONGBIRD DEMOGRAPHIC RESPONSES TO LANDSCAPE AND CLIMATE CHANGE IN THE MIDWESTERN UNITED STATES	10.RD	14-CR-11242311-064				-\$6	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
EFFECTS OF STAND DENSITY AND COMPOSITION ON MITIGATION AND ADAPTABILITY TO CLIMATE CHANGE IN PINE AND HARDWOOD FORESTS AND WOODLANDS OF MISSOURI	10.RD	14-JV-11242311-065				\$4,687	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
COMBINING LANDIS-II AND LANDIS-PRO INTO A COMMON FRAMEWORK	10.RD	14-JV-11242311-116				\$4,803	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPARING THE EFFECTS OF PRESCRIBED BURNING AND THINNING TREATMENTS ON VEGETATION DEVELOPMENT IN OAK WOODLANDS OF KANSAS	10.RD	14-JV-11242311-122				\$32,914	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPING HISTORIC FIRE REGIMES IN THE EASTERN REGION R9, USFS	10.RD	16-JV-11242311-046				\$60	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631

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Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
OAK WOODLANDS & FORESTS FIRE CONSORTIUM, 2016 TO 2019	10.RD	16-JV-11242311-074				\$82,135	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
MODELING FIRE-INDUCED TREE MORTALITY FOR EASTERN HARDWOOD FORESTS	10.RD	16-JV-11242311-076				\$19,335	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
THE SURVIVAL AND PERFORMANCE OF IMPROVED SHORTLEAF PINE SEEDLINGS	10.RD	16-JV-11242311-080				\$282	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
INTEGRATED DISEASE MANAGEMENT FOR WHITE-NOSE SYNDROME	10.RD	16-JV-11242311-118				\$56,740	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
ABUNDANCE, SURVIVAL, AND VIABILITY OF GOLDEN-CHEEKED WARBLER ON BALCONES CANYONLANDS PRESERVE, AUSTIN, TX	10.RD	18-JV-11242311-027				\$38,993	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
PREDICTING FOREST LANDSCAPE CHANGE TO SUPPORT ENVIRONMENTAL ANALYSES AND DECISION MAKING	10.RD	18-JV-11242311-028				\$83,761	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
US FOREST SERVICE - MISSOURI S&T STUDENT INTERNS	10.RD	18-PA-11090500-041				\$10,014	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
MRBI STUDY - MORRIS	10.RD	N/A	ORA CLAY MORRIS JR	N/A		\$14,582	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
MIXEDWOODS WORKSHOP	10.U01	14-CR-11242311-098				\$16,876	\$16,876	N/A	\$0
<b>TOTAL DEPARTMENT OF AGRICULTURE</b>					\$1,160,710	\$43,472,562			
<b>DEPARTMENT OF COMMERCE</b>									
STATISTICAL, RESEARCH, AND METHODOLOGY ASSISTANCE	11.016	0090-FY19-IPA-0102.000				\$126,502	\$177,735	N/A	\$0
STATISTICAL, RESEARCH, AND METHODOLOGY ASSISTANCE	11.016	N/A				\$51,233	\$177,735	N/A	\$0
CLUSTER GRANTS	11.020	ED19HQD0200011				\$198,358	\$198,358	RESEARCH AND DEVELOPMENT	\$178,747,631
INVESTMENTS FOR PUBLIC WORKS AND ECONOMIC DEVELOPMENT FACILITIES	11.300	05-01-05681			\$511,670	\$511,670	\$511,670	ECONOMIC DEVELOPMENT CLUSTER	\$770,587
ECONOMIC DEVELOPMENT_TECHNICAL ASSISTANCE	11.303	ED18DEN3030029				\$60,951	\$180,692	N/A	\$0
ECONOMIC DEVELOPMENT_TECHNICAL ASSISTANCE	11.303	ED18EDN3030029				\$98,813	\$180,692	N/A	\$0
ECONOMIC DEVELOPMENT_TECHNICAL ASSISTANCE	11.303	ED19DEN3030026				\$20,928	\$180,692	N/A	\$0
ECONOMIC ADJUSTMENT ASSISTANCE	11.307	05-79-05785				\$258,917	\$258,917	ECONOMIC DEVELOPMENT CLUSTER	\$770,587
TRADE ADJUSTMENT ASSISTANCE FOR FIRMS	11.313	ED17HQD3130047				\$1,255	\$927,667	N/A	\$0
TRADE ADJUSTMENT ASSISTANCE FOR FIRMS	11.313	ED18HQD3130009				\$53,556	\$927,667	N/A	\$0
TRADE ADJUSTMENT ASSISTANCE FOR FIRMS	11.313	ED19HQD3130106				\$872,856	\$927,667	N/A	\$0
SEA GRANT SUPPORT	11.417	F0002362202059				\$20,743	\$20,743	N/A	\$0
METEOROLOGIC AND HYDROLOGIC MODERNIZATION DEVELOPMENT	11.467		UNIVERSITY OF CORPORATION FOR ATMOSPHERIC RESEARCH	SUBAWD001461		\$14,170	\$14,170	RESEARCH AND DEVELOPMENT	\$178,747,631
UNALLIED SCIENCE PROGRAM	11.472	NA19NMF4720227			\$87,910	\$139,949	\$139,949	RESEARCH AND DEVELOPMENT	\$178,747,631
MEASUREMENT AND ENGINEERING RESEARCH AND STANDARDS	11.609	70NANB15H285				\$65,045	\$65,045	RESEARCH AND DEVELOPMENT	\$178,747,631
MANUFACTURING EXTENSION PARTNERSHIP	11.611		MISSOURI ENTERPRISE BUS ASSISTANCE	N/A		\$544,254	\$544,254	N/A	\$0
DISSERTATION PROPOSAL: BAYESIAN UNIT-LEVEL MODELING OF NON-GAUSSIAN SURVEY DATA UNDER INFORMATIVE SAMPLING WITH APPLICATION TO SMALL AREA ESTIMATION	11.U01	1333LB19P00000173				\$39,162	\$39,162	N/A	\$0
EARTH NETWORKS AGREEMENT	11.U02	N/A	EARTH NETWORKS INC	N/A		\$67,059	\$67,059	N/A	\$0
TASK ORDER S2020-128	11.U03	S2020-128	SYNOPTIC DATA PBC	S2020-128		\$21,619	\$21,619	N/A	\$0
<b>TOTAL DEPARTMENT OF COMMERCE</b>					\$599,580	\$3,167,040			
<b>DEPARTMENT OF DEFENSE</b>									
SENIOR DESIGN PROJECT: 2018 MARSOC TE 2 SPEECH TRANSLATION	12.000		STEVENS INSTITUTE OF TECHNOLOGY	2102796-14		\$626	\$70,834	RESEARCH AND DEVELOPMENT	\$178,747,631
BIO-INSPIRED FUNCTIONALLY GRADED COMPOSITES FOR BLAST AND IMPACT HAZARD MITIGATION	12.000		STEVENS INSTITUTE OF TECHNOLOGY	2102796-15					
PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS	12.002	SP4800-18-2-1820	UNIVERSITY OF MISSISSIPPI	19-03-037	\$479	\$70,208	\$70,834	RESEARCH AND DEVELOPMENT	\$178,747,631
PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS	12.002	SP4800-19-2-1920			\$3,308	\$46,411	\$682,763	N/A	\$0
COLLABORATIVE RESEARCH AND DEVELOPMENT	12.114	W912DQ1920002				\$636,352	\$682,763	N/A	\$0
COLLABORATIVE RESEARCH AND DEVELOPMENT	12.114		MISSOURI STATE UNIVERSITY	19044-01		\$18,518	\$24,860	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	FA8750-19-2-0001				\$6,342	\$24,860	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00244-19-2-0003				\$102,119	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00173-16-1-G004				\$26,995	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00173-19-1-G004				\$15,488	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00173-19-2-C900				\$31,576	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00173-19-2-C900				\$164,974	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-16-1-2323			\$45,064	\$139,278	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-16-1-2408				\$113,853	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-17-1-2572				\$101,158	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-17-1-2931				\$137,115	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-17-1-2932				\$136,316	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-17-1-3016				\$1,588,611	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631



**UNIVERSITY OF MISSOURI SYSTEM**  
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BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-19-1-2006				\$102,274	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-19-1-2597				\$149,680	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-19-1-2688			\$104,966	\$183,884	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	W911QY1820001				\$99,049	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		INNOVATIVE VETERINARY MEDICINE INC	7001-03		\$4,643	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300		PURDUE UNIVERSITY	4104-79717		\$38,317	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	HDTRA1-15-1-0016				\$114,136	\$362,718	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	HDTRA1-16-1-0019				\$26,866	\$362,718	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351	HDTRA1-17-1-0033				\$152,223	\$362,718	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		UNIVERSITY OF FLORIDA	UFDSP00011428		\$69,358	\$362,718	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS DESTRUCTION	12.351		UNIVERSITY OF TENNESSEE	A16-0325-S001		\$135	\$362,718	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH-15-1-0567				\$48	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH-16-1-0221			\$29,938	\$59,391	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH-16-1-0321				\$325,716	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH-17-1-0596				\$89	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH1810179				\$470,448	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH1810430				\$528,983	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH1910694				\$90,414	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH-15-2-0037			\$88,475	\$429,256	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH-17-1-0164				\$1,596	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		COLUMBIA UNIVERSITY	1(GG014473)		\$90,441	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		HENRY M JACKSON FOUNDATION	4558		\$45,797	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		SHIFT PHARMACEUTICALS	N/A		\$174,171	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		THE FEINSTEIN INST FOR MEDICAL RESEARCH	500512 UMC		\$13,579	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420		UNIVERSIT OF PITTSBURGH	CNVA00056666 (413614-22)		\$1,871	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF-14-1-0359			\$615,996	\$780,274	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF-14-1-0584				\$121,278	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF-17-1-0099				\$94,472	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF-17-1-0183				\$1,967,753	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF-18-1-0031				\$133,243	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF-18-1-0153				\$288,076	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF1810155				\$85,971	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF1910181				\$165,002	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF1910246				\$87,277	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF1910283			\$323,486	\$905,060	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF1920044				\$43,165	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431	W911NF1820285			\$67,803	\$1,265,525	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431		CARNEGIE MELLSON UNIVERSITY	1130233-417379		\$763,231	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
			LEONARD WOOD INSTITUTE	2018-003					
			LEONARD WOOD INSTITUTE	2018-004					
			LEONARD WOOD INSTITUTE	2018-005					
			LEONARD WOOD INSTITUTE	2018-011					
			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	\$127,390	\$2,907,109	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431		LEONARD WOOD INSTITUTE	SUBAWARD 2018-006					
BASIC SCIENTIFIC RESEARCH	12.431		LEONARD WOOD INSTITUTE	SUBAWARD 2018-063		\$890,190	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC SCIENTIFIC RESEARCH	12.431		UNIVERSITY OF CALIFORNIA LOS ANGELES	1000 G TE691		\$127,101	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		JUNIOR SCIENCE & HUMANITIES SYMPOSIUM	20-871-021		\$33,260	\$158,679	N/A	\$0
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	HM04761912006				\$124,623	\$158,679	RESEARCH AND DEVELOPMENT	\$178,747,631
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630		AMERICAN LIGHTWEIGHT MATERIALS MANUFACTURING INNOVATION INSTITUTE	PO # 4005-01		\$796	\$158,679	RESEARCH AND DEVELOPMENT	\$178,747,631
UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS	12.750	HU000119920057				\$18,780	\$817,252	RESEARCH AND DEVELOPMENT	\$178,747,631
UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS	12.750		HENRY M JACKSON FOUNDATION	4270	\$480,607	\$798,472	\$817,252	RESEARCH AND DEVELOPMENT	\$178,747,631
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	FA9550-16-1-0437				\$13,698	\$1,464,806	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	FA9550-18-1-0096				\$10,416	\$1,464,806	RESEARCH AND DEVELOPMENT	\$178,747,631
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	FA9550-18-1-0342				\$91,657	\$1,464,806	RESEARCH AND DEVELOPMENT	\$178,747,631
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	FA9550-19-1-0318			\$634,921	\$1,010,706	\$1,464,806	RESEARCH AND DEVELOPMENT	\$178,747,631
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	FA9550-20-1-0205				\$248,958	\$1,464,806	RESEARCH AND DEVELOPMENT	\$178,747,631
<b>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</b>	<b>12.800</b>		<b>INDIANA UNIVERISTY</b>	<b>BL-4331206-MST</b>		<b>\$9,645</b>	<b>\$1,464,806</b>	<b>RESEARCH AND DEVELOPMENT</b>	<b>\$178,747,631</b>
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	<i>12.800</i>		<i>UNIVERSITY OF CALIFORNIA LOS ANGELES</i>	<i>1000 G TC133</i>		<i>\$32,097</i>	<i>\$1,464,806</i>	<i>RESEARCH AND DEVELOPMENT</i>	<i>\$178,747,631</i>
<i>AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM</i>	<i>12.800</i>		<i>UNIVERSITY OF MARYLAND</i>	<i>57641-28057201</i>		<i>\$68,461</i>	<i>\$1,464,806</i>	<i>RESEARCH AND DEVELOPMENT</i>	<i>\$178,747,631</i>
INFORMATION SECURITY GRANTS	12.902	H98230-17-1-0352				\$4,710	\$4,710	RESEARCH AND DEVELOPMENT	\$178,747,631
CYBERSECURITY CORE CURRICULUM	12.905	H98230-17-1-0393				\$12,828	\$12,828	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910	W911NF1820260				\$148,010	\$272,108	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910	D18AP00054				\$128,976	\$272,108	RESEARCH AND DEVELOPMENT	\$178,747,631
<i>RESEARCH AND TECHNOLOGY DEVELOPMENT</i>	<i>12.910</i>		<i>UNIVERSITY OF SOUTH FLORIDA</i>	<i>2105-1138-00-A</i>		<i>-\$4,878</i>	<i>\$272,108</i>	<i>RESEARCH AND DEVELOPMENT</i>	<i>\$178,747,631</i>
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			\$57,692	\$168,696	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
REGIONAL PHASE BLOCKAGE AND LEFT CENSORED DATA IN THE MIDDLE EAST	12.RD	FA9453-19-C-0067				\$89,867	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
SITE PREPARATION FOR LONGLEAF PINE RESTORATION ON HYDRIC SITES: STAND DEVELOPMENT AND GROUND LAYER RESPONSE 15 YEARS FOLLOWING PLANTING	12.RD	W912HQ17C0022				\$7,545	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT AND EVALUATION OF NON-CHROMATE LHE ZNNI PASSIVATIONS FOR DOD ELECTRICAL CONNECTORS	12.RD	W912HQ18C0065			\$53,120	\$287,756	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
YELLOWSTONE RIVER CULTURAL INVENTORY UPDATE WITH EMPHASIS ON DROUGHT AND FLOOD PREPAREDNESS	12.RD	W9128F18P0124				\$4,071	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
SHORT PULSE RESEARCH, EVALUATION AND NON-SWAP DEMONSTRATION FOR C-SUAV	12.RD	N00014-18-C-1017			\$926,343	\$4,151,021	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
ERDC IPA: OPTIMIZED SURFACE EMISSION USING MACHINE LEARNING	12.RD	N/A				\$15,497	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
EXPLAINABLE ARTIFICIAL INTELLIGENCE AND ADVERSARIAL ALGORITHMS FOR ENVIRONMENT UNDERSTANDING	12.RD	W912HZ19C0007				\$133,781	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
EVALUATION OF STATE-OF-THE-ART MACHINE LEARNING MODELS APPLIED TO SENSING MANEUVERABILITY HAZARDS UNDER MULTIPLE PHENOMENOLOGIES AND PLATFORMS	12.RD	W912HZ19C0018				\$257,361	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
<i>FABRICATION OF SILICA PARTICLE COLLOIDAL CRYSTALS ON GLASS SUBSTRATES</i>	<i>12.RD</i>	<i>N/A</i>	<i>ZWITECH LLC</i>	<i>N/A</i>		<i>\$424</i>	<i>\$7,354,823</i>	<i>RESEARCH AND DEVELOPMENT</i>	<i>\$178,747,631</i>
SEPARATION OF GRAPHITE FLAKE INTO MONO-PARTICLES BY HIGH ENERGY WATERJET	12.RD	19-MST-01	ADVANCED FIBER TECHNOLOGIES INC	19-MST-01		\$5,546	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
INNOVATIVE CASTING TECHNOLOGIES/INTENSIVE QUENCHING TO PRODUCE HIGH PERFORMANCE CAST PARTS	12.RD	2018-509-01	ADVANCED TECHNOLOGY INTERNATIONAL	2018-509-01		\$65,572	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPACT 500KV, HIGH ENERGY DENSITY CAPACITOR FOR PULSED POWER APPLICATIONS	12.RD	DOTC-17-01-INIT0115	ADVANCED TECHNOLOGY INTERNATIONAL	DOTC-17-01-INIT0115		-\$2,028	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
AFRL SAR CURATION PILOT EFFORT	12.RD	00117	APPLIED RESEARCH SOLUTIONS	00117		\$1,215	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED DRIFT STEP RECOVERY DIODE	12.RD	N/A	ASR CORPORATION	N/A		\$107,540	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
FREQUENCY-AGILE, SOLID-STATE, PHOTOCONDUCTIVE-SWITCH-BASED HIGH POWER MICROWAVE (HPM) GENERATOR	12.RD	1027020	BAE SYSTEMS	1027020		\$2,558	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
FPGA VULNERABILITY ANALYSIS TOOLS	12.RD	TSSA1700041	BLUERISC INC	TSSA1700041		\$42,000	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
SURFACE RESIDUAL STRESS RESOLUTION STUDY	12.RD	1666774	BOEING CO	1666774		\$11,716	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
VIRTUALLY GUIDED CERTIFICATION OF COMPUTER NUMERICALLY CONTROLLED MACHINE TOOLS VIA VIRTUAL TWIN	12.RD	PC1330354	BOEING CO	PC1330354		\$65,701	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
PCSS SYSTEM STUDY	12.RD	S900047BAH	BOOZ ALLEN HAMILTON	S900047BAH		\$10,400	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
NGA BAH RECON	12.RD	S902427BAH	BOOZ ALLEN HAMILTON	S902427BAH		\$133,094	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
CFDRC MDA STTR PHASE II - FINE POWDER CATHODE AND SEPARATOR BINDER CHARACTERIZATION FOR THERMAL BATTERIES	12.RD	9324	CFD RESEARCH CORPORATION	9324		\$75,609	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
JANUS AERONAUTICAL FEATURES VERTICAL OBSTRUCTIONS DELIVERY ORDER 5	12.RD	CMC-UOFM-190805-1	CONTINENTAL MAPPING CONSULTANTS	CMC-UOFM-190805-1		\$509,455	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
PERFORMANCE ON DARPA MACH PROGRAM	12.RD	PO-401138963	GENERAL ELECTRIC	PO-401138963		\$50,773	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
DETECTING MALWARE-BASED TAMPERING OF BIG DATA PROGRAMS USING HASHING AND BLOCKCHAIN	12.RD	SA20190560031246	GRIFFISS INSTITUTE	SA20190560031246		\$100,000	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
APPLICATIONS OF QUANTUM PROBABILITY THEORY TO HUMAN-MACHINE COMMUNICATION NETWORKS	12.RD	8423	INDIANA UNIVERSITY	8423		\$5,475	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
SBIR/STTR: ARMY'S PHASE II: SBIR PROPOSAL, RADIOLYTIC ATOMIC CELL FOR LONG-LIVED SENSORS	12.RD	N/A	INFINITY POWER LLC	N/A		\$45,446	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
SBIR: HIGHLY STABLE AND RELIABLE RADIOISOTOPE BATTERY	12.RD	N/A	INFINITY POWER LLC	N/A		\$33,420	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
THROUGH-THE-HULL DATA TRANSFER	12.RD	N68335-19-C-0391	KALSCOTT ENGINEERING INC	N68335-19-C-0391		\$21,000	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
AI/ML TECHNIQUES FOR ADS-B TO SUPPORT BASE SECURITY AND DEFENSE	12.RD	N/A	KALSCOTT ENGINEERING INC	N/A		\$15,000	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGH RESPONSIVITY LATERAL GAN SWITCH	12.RD	P0329-P000-UMKC-20191212	KYMA TECHNOLOGIES	P0329-P000-UMKC-20191212		\$17,468	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: DESTRUCTION OF AFFX IN HFZ REACTOR, PHASE II	12.RD	00063289	LIQUID CARBONIC LLC	00063289		\$83,935	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
TASK ORDER: MRI GLOBAL (DARPA) RADIATION STUDY	12.RD	748-111105-01	MRI GLOBAL	748-111105-01		\$3,038	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGH ENERGY DENSITY CAPACITORS FOR DIRECTED ENERGY SYSTEMS	12.RD	N/A	NANO ELECTROMAGNETICS LLC	N/A		\$24,141	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: PHASE II: OPTIMIZED BUILD PLATE DESIGN TOOL FOR METAL LASER POWDER BED ADDITIVE	12.RD	00067042	PRODUCT INNOVATION AND ENGINEERING LLC	00067042		\$89,948	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
PHASE II: ONSITE STRUCTURAL RESTORATION METHODS FOR AIRCRAFT COMPONENTS	12.RD	N/A	PRODUCT INNOVATION AND ENGINEERING LLC	N/A		\$67,323	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
PRECISION MACHINING OF COMPOSITE STRUCTURES	12.RD	N/A	PRODUCT INNOVATION AND ENGINEERING LLC	N/A		\$16,806	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
ADDITIVE MANUFACTURING OF ALUMINUM ALLOY COMPONENTS	12.RD	N/A	PRODUCT INNOVATION AND ENGINEERING LLC	N/A		\$17,936	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: PHASE II: ADVANCED MECHANICAL TESTING (AMT) SYSTEM FOR HIGHLY IRRADIATED MATERIALS	12.RD	N/A	PRODUCT INNOVATION AND ENGINEERING LLC	N/A		\$80,978	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: PHASE I: FATIGUE PREDICTION FOR ADDITIVE MANUFACTURED (AM) METALLIC COMPONENTS	12.RD	N/A	PRODUCT INNOVATION AND ENGINEERING LLC	N/A		\$34,375	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: PHASE I: ADDITIVE MANUFACTURING OF INORGANIC TRANSPARENT MATERIALS FOR ADVANCED OPTICS	12.RD	N/A	PRODUCT INNOVATION AND ENGINEERING LLC	N/A		\$21,870	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: PHASE II: INNOVATIVE PROCESSING TECHNIQUES FOR ADDITIVE MANUFACTURE OF 7000 SERIES ALUMINUM ALLOY COMPONENTS	12.RD	N/A	PRODUCT INNOVATION AND ENGINEERING LLC	N/A		\$35,704	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
MORPHOLOGY NETS AND PASSIVE RANGING	12.RD	48406	QINETIQ LTD	48406		\$18,861	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED SILICON DIODE SWITCH FOR HPRF SYSTEMS	12.RD	0049209	RADIATION DETECTION TECHNOLOGIES INC	0049209		\$178,049	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
R960 EVALUATING ALTERNATIVE MAINTENANCE FORCE STRUCTURE CONCEPTS FOR THE F-35A	12.RD	9920180106	RAND CORPORATION	9920180106		\$15,341	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
R970 OPTIMAL BASING POSTURE FOR CONUS-BASED FORCES	12.RD	9920190001	RAND CORPORATION	9920190001		\$12,391	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
R920 - FIGHTING FROM NON-SANCTUARY BASES IN THE INDO-PACIFIC AREA OF OPERATIONS	12.RD	9920190003	RAND CORPORATION	9920190003		\$12,704	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STRATEGIC DESIGN OF WAR RESERVE MATERIEL PACKAGES AND POSTURES	12.RD	SCON-00000270	RAND CORPORATION	SCON-00000270		\$19,136	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
EVALUATION OF EFFECTIVENESS AND COSTS OF ALTERNATIVE SUPPORT STRATEGIES AND POSTURE OPTIONS	12.RD	SCON-00000288	RAND CORPORATION	SCON-00000288		\$16,043	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGH STRENGTH LIGHTWEIGHT STEELS FOR IMPROVED MILITARY READINESS	12.RD	2017-106	STEEL FOUNDERS' SOCIETY OF AMERICA	2017-106		\$101,210	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
IMPROVED PREDICTION OF TERMINAL BALLISTIC EVENTS USING ADVANCED PENETRATION ALGORITHMS	12.RD	S19-095003	SURVICE ENGINEERING COMPANY	S19-095003		\$1,000	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
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		\$8,828	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
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		-\$1,302	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
ENABLING FORMATION FLYING WITH MULTI-MODE MICROPROPULSION	12.RD	CP0053709	UTAH STATE UNIVERSITY RESEARCH FOUNDATION	CP0053709		\$63,529	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
POST BLAST FORENSICS TRAINING FOR FORT LEONARD WOOD USAMPS	12.U01	W911S718P0042				\$33,197	\$33,197	N/A	\$0
NGA PROGRAM OF STUDY IN DATA SCIENCE	12.U02	HM047616C0037			\$237,350	\$1,696,821	\$1,696,821	N/A	\$0
NGA PROGRAM OF STUDY IN DATA SCIENCE	12.U03	HM47616C0037			\$18,320	\$37,008	\$37,008	N/A	\$0
<b>TOTAL DEPARTMENT OF DEFENSE</b>						\$3,815,258	\$28,982,072		
<b>DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT</b>									
CONTINUUM OF CARE PROGRAM	14.267		MISSOURI HOUSING DEVELOPMENT COMMISSION	19-800-GA		\$23,829	\$23,829	RESEARCH AND DEVELOPMENT	\$178,747,631
TO CREATE NEW HEALTHY HOMES PUBLICATIONS/GUIDES FOR PUERTO RICO AND THE UNITED STATES VIRGIN ISLANDS	14.U01	86543119P00007				\$75,861	\$75,861	N/A	\$0
<b>TOTAL DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT</b>							\$99,690		
<b>DEPARTMENT OF THE INTERIOR</b>									
SPORT FISH RESTORATION PROGRAM	15.605		MISSOURI DEPARTMENT OF CONSERVATION	380		\$172,429	\$172,429	RESEARCH AND DEVELOPMENT	\$178,747,631
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		KANSAS WILDLIFE, PARKS AND TOURISM	N/A		\$62,924	\$490,127	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
			MISSOURI DEPARTMENT OF CONSERVATION						
			MISSOURI DEPARTMENT OF CONSERVATION	357					
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		MISSOURI DEPARTMENT OF CONSERVATION	369					
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		MISSOURI DEPARTMENT OF CONSERVATION	377	\$35,787	\$249,093	\$490,127	RESEARCH AND DEVELOPMENT	\$178,747,631
			NEBRASKA GAME AND PARKS	N/A		\$78,970	\$490,127	RESEARCH AND DEVELOPMENT	\$178,747,631
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		PENNSYLVANIA GAME COMMISSION	4300589787		\$99,140	\$490,127	RESEARCH AND DEVELOPMENT	\$178,747,631
NORTH AMERICAN WETLANDS CONSERVATION FUND	15.623		DUCKS UNLIMITED CANADA	12144-001QZ		\$17,429	\$17,429	RESEARCH AND DEVELOPMENT	\$178,747,631
			ARKANSAS GAME AND FISH COMMISSION	N/A		\$24,541	\$34,459	RESEARCH AND DEVELOPMENT	\$178,747,631
STATE WILDLIFE GRANTS	15.634		TEXAS PARKS & WILDLIFE DEPARTMENT	531025		\$9,918	\$34,459	RESEARCH AND DEVELOPMENT	\$178,747,631
STATE WILDLIFE GRANTS	15.634					\$9,918	\$34,459	RESEARCH AND DEVELOPMENT	\$178,747,631
MIGRATORY BIRD JOINT VENTURES	15.637	F19AP00254				\$25,527	\$25,527	RESEARCH AND DEVELOPMENT	\$178,747,631
			KANSAS WILDLIFE, PARKS AND TOURISM	N/A		\$116,499	\$146,784	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE LANDSCAPE CONSERVATION	15.669		NEBRASKA GAME AND PARKS	N/A		\$30,285	\$146,784	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE ECOSYSTEM STUDIES UNITS	15.678	F17AC00913				\$9,469	\$93,103	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE ECOSYSTEM STUDIES UNITS	15.678	F19AC00735				\$44,815	\$93,103	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE ECOSYSTEM STUDIES UNITS	15.678	F19AP00873				\$38,819	\$93,103	RESEARCH AND DEVELOPMENT	\$178,747,631
ASSISTANCE TO STATE WATER RESOURCES RESEARCH INSTITUTES	15.805	G16AP00066				\$96,089	\$96,089	RESEARCH AND DEVELOPMENT	\$178,747,631
U.S. GEOLOGICAL SURVEY_ RESEARCH AND DATA COLLECTION	15.808	G15AC00121				\$2,733	\$70,964	N/A	\$0
U.S. GEOLOGICAL SURVEY_ RESEARCH AND DATA COLLECTION	15.808	G17AC00069				\$65,032	\$70,964	RESEARCH AND DEVELOPMENT	\$178,747,631
U.S. GEOLOGICAL SURVEY_ RESEARCH AND DATA COLLECTION	15.808	G18AC00327				\$1,486	\$70,964	RESEARCH AND DEVELOPMENT	\$178,747,631
U.S. GEOLOGICAL SURVEY_ RESEARCH AND DATA COLLECTION	15.808	G20AC00127				\$1,713	\$70,964	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL COOPERATIVE GEOLOGIC MAPPING PROGRAM	15.810	G19AC00218				\$196	\$196	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G16AC00272				\$13,259	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G16AC00401				\$33,921	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G17AC00379			\$17,906	\$73,126	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G17AC00380				\$6,378	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G18AC00005				\$2,688	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G18AC00219				\$30,452	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G18AC00357				\$83,011	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G19AC00039				-\$2,639	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G19AC00108				\$44,022	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL CLIMATE CHANGE AND WILDLIFE SCIENCE CENTER	15.820		UNIVERSITY OF MASSACHUSETTS	12 007036 E		\$29,952	\$29,952	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF MASSACHUSETTS	20 015184 C 00					
			MISSOURI DEPARTMENT OF NATURAL RESOURCES						
			MISSOURI DEPARTMENT OF NATURAL RESOURCES	29-18-161413-001					
HISTORIC PRESERVATION FUND GRANTS-IN-AID	15.904		NATURAL RESOURCES	29-19-171413-021		\$15,485	\$15,485	N/A	\$0
NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT	15.922	P17AP00315				\$146	\$34,343	N/A	\$0
NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT	15.922	P18AP00353				\$12,819	\$34,343	N/A	\$0
NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT	15.922	P19AP00242				\$8,765	\$34,343	N/A	\$0
NATIVE AMERICAN GRAVES PROTECTION AND REPATRIATION ACT	15.922	P19AP00243				\$12,613	\$34,343	N/A	\$0
NATURAL RESOURCE STEWARDSHIP	15.944	RM-AQ-2018-027				\$3	\$1,482	RESEARCH AND DEVELOPMENT	\$178,747,631
NATURAL RESOURCE STEWARDSHIP	15.944	RM-AQ-2019-197				\$1,479	\$1,482	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH AND TRAINING PROGRAMS D RESOURCES OF THE NATIONAL PARK SYSTEM	15.945	P15AC01749				\$15,542	\$39,482	N/A	\$0
COOPERATIVE RESEARCH AND TRAINING PROGRAMS D RESOURCES OF THE NATIONAL PARK SYSTEM	15.945	P16AC01391				\$23,940	\$39,482	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL ATMOSPHERIC DEPOSITION PROGRAM	15.U01	G16PX00487				\$3,338	\$3,338	N/A	\$0
<b>TOTAL DEPARTMENT OF THE INTERIOR</b>						<b>\$53,693</b>	<b>\$1,555,407</b>		
<b>DEPARTMENT OF JUSTICE</b>									
			UNITED WAY OF GREATER ST. LOUIS	N/A		\$11,013	\$11,013	N/A	\$0
COMMUNITY-BASED VIOLENCE PREVENTION PROGRAM	16.123								
GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS	16.525	2016-WA-AX-0034				\$58,991	\$109,231	N/A	\$0
GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL ASSAULT, AND STALKING ON CAMPUS	16.525	2019-WA-AX-0037				\$50,240	\$109,231	N/A	\$0
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560	2015-CX-BX-0021				\$258,487	\$1,078,304	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560	2015-II-CX-0015			\$1,796	\$82,313	\$1,078,304	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560	2016-CK-BX-0004				\$623,999	\$1,078,304	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560		CAN	20-UMSL-1-1491		\$32,760	\$1,078,304	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560		TEXAS STATE UNIVERSITY	20019-83392-1		\$8,564	\$1,078,304	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560		UNIVERSITY OF VIRGINIA	GG11811 147780		\$72,181	\$1,078,304	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND DEVELOPMENT PROJECT GRANTS	16.560		UNIVERSITY OF VIRGINIA	GG12074 PO 2122567					
CRIME VICTIM ASSISTANCE	16.575		MISSOURI DEPARTMENT OF CORRECTIONS	N/A		\$16,122	\$355,420	N/A	\$0
			MISSOURI DEPARTMENT OF SOCIAL SERVICES						
			MISSOURI DEPARTMENT OF SOCIAL SERVICES						
			MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER130180034					
			MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER130180111					
CRIME VICTIM ASSISTANCE	16.575		MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER130200022		\$339,298	\$355,420	N/A	\$0
			MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER130200103					
BULLETPROOF VEST PARTNERSHIP PROGRAM	16.607		MISSOURI DEPARTMENT OF PUBLIC SAFETY	2018B08X18091656		\$4,298	\$4,298	N/A	\$0
JUVENILE MENTORING PROGRAM	16.726		NATIONAL 4-H COUNCIL	4-H NMP8		\$67,825	\$67,825	N/A	\$0
			NATIONAL 4-H COUNCIL	N/A					
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738		MISSOURI DEPARTMENT OF NATURAL RESOURCES	CS182319001		\$6,500	\$31,846	N/A	\$0
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738		KANSAS CITY MISSOURI POLICE DEPARTMENT	2016-WY-BX-0006		\$25,346	\$31,846	RESEARCH AND DEVELOPMENT	\$178,747,631
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751		KANSAS CITY MISSOURI POLICE DEPARTMENT	2017-DG-BX-0001	\$51,070	\$79,335	\$92,405	N/A	\$0
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751		CITY OF ST. LOUIS MISSOURI METRO POLICE DEPARTMENT	2016-DG-BX-K001		\$13,070	\$92,405	RESEARCH AND DEVELOPMENT	\$178,747,631
HAROLD ROGERS PRESCRIPTION DRUG MONITORING PROGRAM	16.754		ST. LOUIS COUNTY MISSOURI	38-663		\$56,262	\$56,262	RESEARCH AND DEVELOPMENT	\$178,747,631
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817		CITY OF ST. LOUIS DEPARTMENT OF HEALTH	HD CONTRACT #16-27		\$10,868	\$10,868	RESEARCH AND DEVELOPMENT	\$178,747,631
POSTCONVICTION TESTING OF DNA EVIDENCE TO EXONERATE THE INNOCENT	16.820	2019-DY-BX-0002			\$35,195	\$46,445	\$46,445	N/A	\$0
COMPREHENSIVE OPIOID ABUSE SITE-BASED PROGRAM	16.838		ST. LOUIS CITY MISSOURI	N/A		\$15,375	\$15,375	N/A	\$0
ATF EXPLOSIVE ENGINEERING COURSES	16.RD	DJA-15-AHDQ-K-0184				\$331,545	\$331,545	RESEARCH AND DEVELOPMENT	\$178,747,631
UMKC/CFA CLEARMYRECORD EXPUNGEMENT PROJECT	16.U01	19998	JACKSON COUNTY MISSOURI	19998		\$17,396	\$17,396	N/A	\$0
<b>TOTAL DEPARTMENT OF JUSTICE</b>						\$88,061	\$2,228,233		
<b>DEPARTMENT OF LABOR</b>									
WIA DISLOCATED WORKER FORMULA GRANTS	17.278		MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	10-36-36-18		-\$42	\$42,687	WIOA CLUSTER	\$42,687
			MISSOURI DEPARTMENT OF HIGHER EDUCATION AND WORKFORCE DEVELOPMENT						
WIA DISLOCATED WORKER FORMULA GRANTS	17.278			10-36-36-19		\$42,729	\$42,687	WIOA CLUSTER	\$42,687
<b>TOTAL DEPARTMENT OF LABOR</b>							\$42,687		
<b>DEPARTMENT OF STATE</b>									
PUBLIC DIPLOMACY PROGRAMS	19.040	SIN65017CA005				\$2,800	\$2,800	N/A	\$0
<b>TOTAL DEPARTMENT OF STATE</b>							\$2,800		
<b>DEPARTMENT OF TRANSPORTATION</b>									
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109	13-C-AJFE-MST-003			\$9,162	\$28,924	\$636,252	RESEARCH AND DEVELOPMENT	\$178,747,631
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109	13-C-AJFE-MST-008			\$6,395	\$6,395	\$636,252	RESEARCH AND DEVELOPMENT	\$178,747,631
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109	13-C-AJFE-MST-010			\$84,066	\$105,942	\$636,252	RESEARCH AND DEVELOPMENT	\$178,747,631
AIR TRANSPORTATION CENTERS OF EXCELLENCE	20.109	13-C-AJFE-MST-012			\$306,737	\$494,991	\$636,252	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	693J131950023			\$43,676	\$117,674	\$863,384	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	DTFH6116H00001				\$24,622	\$863,384	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		IOWA STATE UNIVERSITY	0212318		\$27,540	\$863,384	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		MICRO SYSTEMS INC	G010165		\$585	\$863,384	RESEARCH AND DEVELOPMENT	\$178,747,631

UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
			OKLAHOMA DEPARTMENT OF TRANSPORTATION						
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		OKLAHOMA DEPARTMENT OF TRANSPORTATION	3459056367		\$544,253	\$863,384	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		PARSONS BRINCKERHOFF INC	TASK ORDER NO. 03		-\$3,491	\$863,384	RESEARCH AND DEVELOPMENT	\$178,747,631
			TRANSPORTATION RESEARCH BOARD	HR 04-40					
			TRANSPORTATION RESEARCH BOARD	HR 20-05(50-01)					
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		TRANSPORTATION RESEARCH BOARD	HR 20-05(50-11)	\$15,000	\$139,425	\$863,384	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		UNIVERSITY OF CALIFORNIA LOS ANGELES	0121 G XA080		\$12,776	\$863,384	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY PLANNING AND CONSTRUCTION	20.205		COOK, FLATT, & STROBEL ENGINEERS	N/A		\$292	\$1,587,682	HIGHWAY PLANNING AND CONSTRUCTION CLUSTER	\$542,478
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION	S060601C					
			MISSOURI DEPARTMENT OF TRANSPORTATION	S064401C					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201801					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201908					
HIGHWAY PLANNING AND CONSTRUCTION	20.205		MISSOURI DEPARTMENT OF TRANSPORTATION	TR202001				HIGHWAY PLANNING AND CONSTRUCTION CLUSTER	
HIGHWAY PLANNING AND CONSTRUCTION	20.205		MISSOURI DEPARTMENT OF TRANSPORTATION	TR202018		\$542,186	\$1,587,682	CONSTRUCTION CLUSTER	\$542,478
HIGHWAY PLANNING AND CONSTRUCTION	20.205		CALIFORNIA DEPARTMENT OF TRANSPORTATION	65A0613		\$134,223	\$1,587,682	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY PLANNING AND CONSTRUCTION	20.205		IOWA DEPARTMENT OF TRANSPORTATION	00064252		\$31,786	\$1,587,682	RESEARCH AND DEVELOPMENT	\$178,747,631
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			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					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR201919					
HIGHWAY PLANNING AND CONSTRUCTION	20.205		MISSOURI DEPARTMENT OF TRANSPORTATION	TR2020 04	\$6,738	\$625,809	\$1,587,682	RESEARCH AND DEVELOPMENT	\$178,747,631
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR2020 08					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR202002					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR202005					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR202009					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR202012					
			MISSOURI DEPARTMENT OF TRANSPORTATION	TR202013					
HIGHWAY PLANNING AND CONSTRUCTION	20.205		MISSOURI DEPARTMENT OF TRANSPORTATION	TR202023					
HIGHWAY PLANNING AND CONSTRUCTION	20.205		MISSOURI DEPARTMENT OF TRANSPORTATION	TR202024	\$13,431	\$245,462	\$1,587,682	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
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HIGHWAY PLANNING AND CONSTRUCTION	20.205		UNIVERSITY OF WISCONSIN PLATTEVILLE	N/A		\$7,924	\$1,587,682	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY TRAINING AND EDUCATION	20.215	693J131945079				\$497	\$23,690	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHWAY TRAINING AND EDUCATION	20.215		IOWA STATE UNIVERSITY	436-17-35		\$23,193	\$23,690	RESEARCH AND DEVELOPMENT	\$178,747,631
FORMULA GRANTS FOR RURAL AREAS AND TRIBAL TRANSIT PROGRAM	20.509		MISSOURI DEPARTMENT OF TRANSPORTATION	RTAP		\$217,997	\$217,997	RESEARCH AND DEVELOPMENT	\$178,747,631
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			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					
			MISSOURI DEPARTMENT OF TRANSPORTATION	19-TSP-14-001					
STATE AND COMMUNITY HIGHWAY SAFETY	20.600		MISSOURI DEPARTMENT OF TRANSPORTATION	20-EM-02-001	\$9,127	\$169,617	\$489,665	HIGHWAY SAFETY CLUSTER	\$429,067
			MISSOURI DEPARTMENT OF TRANSPORTATION						
			MISSOURI DEPARTMENT OF TRANSPORTATION	20-CP-09-004					
			MISSOURI DEPARTMENT OF TRANSPORTATION	20-DE-02-002					
STATE AND COMMUNITY HIGHWAY SAFETY	20.600		MISSOURI DEPARTMENT OF TRANSPORTATION	20-TSP-14-002	\$22,630	\$320,048	\$489,665	RESEARCH AND DEVELOPMENT	\$178,747,631
			MISSOURI DEPARTMENT OF TRANSPORTATION						
ALCOHOL OPEN CONTAINER REQUIREMENTS	20.607		MISSOURI DEPARTMENT OF TRANSPORTATION	19-154-AL-153	\$3,545	\$30,183	\$30,183	N/A	\$0
			MISSOURI DEPARTMENT OF TRANSPORTATION						
NATIONAL PRIORITY SAFETY PROGRAMS	20.616		MISSOURI DEPARTMENT OF TRANSPORTATION	19-MSTR-03-006 20-MSTR-03-003		\$259,450	\$279,450	HIGHWAY SAFETY CLUSTER	\$429,067
			MISSOURI DEPARTMENT OF PUBLIC SAFETY	N/A		\$20,000	\$279,450	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL PRIORITY SAFETY PROGRAMS	20.616					\$665,975	\$1,106,711	RESEARCH AND DEVELOPMENT	\$178,747,631
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	69A3551747126				\$59,776	\$325,952	RESEARCH AND DEVELOPMENT	\$178,747,631
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	DTRT13-G-UTC45				-\$198	\$1,911,223	RESEARCH AND DEVELOPMENT	\$178,747,631
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		IOWA STATE UNIVERSITY	436-77-40		-\$198	\$1,911,223	RESEARCH AND DEVELOPMENT	\$178,747,631
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		UNIVERSITY OF ARKANSAS	UAF 17-0108 / PO P0515932		\$108,042	\$1,911,223	RESEARCH AND DEVELOPMENT	\$178,747,631
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701		UNIVERSITY OF NEBRASKA LINCOLN	25-1121-0005-130		\$370,716	\$1,911,223	RESEARCH AND DEVELOPMENT	\$178,747,631
PIPELINE SAFETY RESEARCH COMPETITIVE ACADEMIC AGREEMENT PROGRAM (CAAP)	20.724	693JK1850012CAAP				\$93,959	\$120,792	RESEARCH AND DEVELOPMENT	\$178,747,631
PIPELINE SAFETY RESEARCH COMPETITIVE ACADEMIC AGREEMENT PROGRAM (CAAP)	20.724	693JK1950005CAAP				\$26,833	\$120,792	RESEARCH AND DEVELOPMENT	\$178,747,631
PREPARATION AND PRODUCTION OF AN NVPM ELMS COURSE.	20.RD	S901646BAH-2	BOOZ ALLEN HAMILTON	S901646BAH-2		\$1,225	\$35,235	RESEARCH AND DEVELOPMENT	\$178,747,631
UNMANNED AERIAL SYSTEM TECH BRIEF DEVELOPMENT AND EVERY DAY COUNTS ROUND 5 SUPPORT	20.RD	436-17-47E	IOWA STATE UNIVERSITY	436-17-47E		\$946	\$35,235	RESEARCH AND DEVELOPMENT	\$178,747,631
UPDATE TARGETED WORK ZONE ENGAGEMENT FRAMEWORK AND CONDUCT WORKSHOPS FHWA TASK ORDER NO. HOTOXX170000026PR	20.RD	TASK ORDER RELEASE NO. 1	LEIDOS INC	TASK ORDER RELEASE NO. 1		\$31,261	\$35,235	RESEARCH AND DEVELOPMENT	\$178,747,631
EVALUATION OF AIRPORT WAYFINDING ACCESSIBILITY WITH THE USE OF A WHEELCHAIR SIMULATOR	20.RD	N/A	VIRGINIA SPACE GRANT CONSORTIUM	N/A		\$1,803	\$35,235	RESEARCH AND DEVELOPMENT	\$178,747,631
THEORETICAL ANALYSIS OF GAS-FIRED BINARY-FLUID SORPTION-ASSISTED EJECTOR HEAT PUMP FOR WATER HEATING	20.U01	4000173558	BATTELLE OAK RIDGE NATIONAL LAB	4000173558		\$8,264	\$8,264	N/A	\$0
DEVELOPMENT OF DESIGN GUIDANCE FOR BELOW GROUND MASS	20.U02	TASK ORDER 4	WSP USA INC	TASK ORDER 4		\$79,350	\$79,350	N/A	\$0
HIGH PERFORMANCE CONCRETE POURS II	20.U02	TASK ORDER 4	WSP USA INC	TASK ORDER 4		\$79,350	\$79,350	N/A	\$0
<b>TOTAL DEPARTMENT OF TRANSPORTATION</b>					<b>\$1,246,060</b>	<b>\$6,283,167</b>			
<b>DEPARTMENT OF TREASURY</b>									
LOW INCOME TAXPAYER CLINICS	21.008	19-LITC0413-01-00				\$41,919	\$82,577	N/A	\$0
LOW INCOME TAXPAYER CLINICS	21.008	20-LITC0413-02-00				\$40,658	\$82,577	N/A	\$0
<b>TOTAL DEPARTMENT OF TREASURY</b>						<b>\$82,577</b>			
<b>OFFICE OF PERSONNEL MANAGEMENT</b>									
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011	1843371				\$227,319	\$227,319	RESEARCH AND DEVELOPMENT	\$178,747,631
<b>TOTAL OFFICE OF PERSONNEL MANAGEMENT</b>						<b>\$227,319</b>			

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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>NATIONAL AERONAUTICS &amp; SPACE ADMINISTRATION</b>									
SCIENCE	43.001	NNX16AP49H				\$11,570	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE	43.001	NNX17AE88G			\$3,722	\$299,910	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE	43.001	80NSSC19K0572				\$31,012	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE	43.001	80NSSC19K0575				\$68,780	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE	43.001	80NSSC19K0701				\$417	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
			JET PROPULSION LAB	1549171					
			JET PROPULSION LAB	1632718					
SCIENCE	43.001		JET PROPULSION LAB	RSA #1646164		\$104,568	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE	43.001		JET PROPULSION LAB	RSA 1623696					
			PURDUE UNIVERSITY	12000289-07		\$19,185	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
			SMITHSONIAN ASTROPHYSICAL OBSERVATORY						
			SMITHSONIAN ASTROPHYSICAL OBSERVATORY						
SCIENCE	43.001		SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GOO-21115X					
			SMITHSONIAN ASTROPHYSICAL OBSERVATORY	GO7-18123A					
			SMITHSONIAN ASTROPHYSICAL OBSERVATORY	TM9-20009X		\$51,036	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
			SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15040.001-A		\$19,091	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE	43.001		STANFORD UNIVERSITY	62216044-136705		\$24,863	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE	43.001		UNIVERSITY OF MINNESOTA	H006036602		\$7,728	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION	43.008	NNX15AK03H			\$313,961	\$614,976	\$755,660	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION	43.008	NNX15AK38A				-\$3,920	\$755,660	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION	43.008	NNX15AMS1A			\$59,745	\$96,039	\$755,660	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION	43.008	NNX16AI85A				\$10,584	\$755,660	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION	43.008		WHICHITA STATE UNIVERSITY	WSUSUB10430		\$37,981	\$755,660	RESEARCH AND DEVELOPMENT	\$178,747,631
SPACE TECHNOLOGY	43.012	80NSSC18K1665				\$150,782	\$266,677	RESEARCH AND DEVELOPMENT	\$178,747,631
SPACE TECHNOLOGY	43.012	80NSSC19K1150				\$41,698	\$266,677	RESEARCH AND DEVELOPMENT	\$178,747,631
SPACE TECHNOLOGY	43.012	80NSSC17K0170				\$59,953	\$266,677	RESEARCH AND DEVELOPMENT	\$178,747,631
SPACE TECHNOLOGY	43.012	NNX15AP31H				\$3,286	\$266,677	RESEARCH AND DEVELOPMENT	\$178,747,631
SPACE TECHNOLOGY	43.012	NNX16AL26G			\$10,958	\$10,958	\$266,677	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	21512-16-003	SCIENCE SYSTEMS AND APPLICATIONS INC	21512-16-003		\$304	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	HST-AR-15025.023-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15025.023-A		\$39,652	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	HST-AR-15037.001-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15037.001-A		\$49	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	HST-AR-15798.001-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15798.001-A		\$6,343	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	HST-GO-14456.001-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-14456.001-A		\$34,247	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	HST-GO-15164.004-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-15164.004-A		\$380	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	HST-GO-15307.003-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-15307.003-A		\$1,182	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	HST-GO-15647.038-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-15647.038-A		\$5,251	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	2091-001-01	TECHNICAL DATA ANALYSIS INC	2091-001-01		\$33,971	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	F-30117-G-500-01-SC1687	TEXAS RESEARCH INSTITUTE AT AUSTIN	F-30117-G-500-01-SC1687		\$17,402	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
	43.RD	SC1755	TEXAS RESEARCH INSTITUTE AT AUSTIN	SC1755		\$90,282	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
CABLE ROBOT SIMULATION	43.U01	N/A				\$4,567	\$4,567	N/A	\$0
<b>TOTAL NATIONAL AERONAUTICS &amp; SPACE ADMINISTRATION</b>						<b>\$388,386</b>	<b>\$1,894,127</b>		
<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	1853838-55-19				\$30,000	\$45,319	N/A	\$0



**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
PROMOTION OF THE ARTS, GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024	1854899-54-19				\$2,769	\$45,319	N/A	\$0
<i>PROMOTION OF THE ARTS, GRANTS TO ORGANIZATIONS AND INDIVIDUALS</i>	<i>45.024</i>		<i>TEXAS A&amp;M UNIVERSITY</i>	<i>02-M1801009</i>		<i>\$12,550</i>	<i>\$45,319</i>	<i>RESEARCH AND DEVELOPMENT</i>	<i>\$178,747,631</i>
<i>PROMOTION OF THE ARTS, PARTNERSHIP AGREEMENTS</i>	<i>45.025</i>		<i>MISSOURI ARTS COUNCIL</i>	<i>2020-2202</i>		<i>\$25,000</i>	<i>\$25,000</i>	<i>N/A</i>	<i>\$0</i>
<i>PROMOTION OF THE HUMANITIES, FEDERAL/STATE PARTNERSHIP</i>	<i>45.129</i>		<i>MISSOURI HUMANITIES COUNCIL</i>	<i>2168</i>		<i>\$1,493</i>	<i>\$1,493</i>	<i>N/A</i>	<i>\$0</i>
PROMOTION OF THE HUMANITIES, RESEARCH	45.161	RQ-255691-17			\$20,696	\$32,580	\$32,580	RESEARCH AND DEVELOPMENT	\$178,747,631
PROMOTION OF THE HUMANITIES, PROFESSIONAL DEVELOPMENT	45.163	BH-267146-19				\$7,471	\$7,471	N/A	\$0
PROMOTION OF THE HUMANITIES, PUBLIC PROGRAMS	45.164	GI-264508-19			\$46,000	\$73,409	\$73,409	N/A	\$0
NATIONAL LEADERSHIP GRANTS	45.312	MG-51-18-0064-18				\$33,197	\$37,002	N/A	\$0
<i>NATIONAL LEADERSHIP GRANTS</i>	<i>45.312</i>		<i>PENNSYLVANIA STATE UNIVERSITY</i>	<i>5901-UM-IMLS-0236</i>		<i>\$3,805</i>	<i>\$37,002</i>	<i>RESEARCH AND DEVELOPMENT</i>	<i>\$178,747,631</i>
LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM	45.313	RE-17-19-0022-19				\$112,509	\$112,509	N/A	\$0
<b>TOTAL INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES</b>					\$66,696	\$334,783			
<b>NATIONAL SCIENCE FOUNDATION</b>									
ENGINEERING	47.041	1606036				\$70,586	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1844603				\$58,093	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1903716				\$65,524	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1933861				\$86,970	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1464504				\$114,357	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1509589				\$10,658	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1537762				\$45,757	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1841752				\$11,139	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1903575				\$14,532	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1609642				\$29,733	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1406533				\$101,825	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1609470				\$132,424	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1610396				\$97,280	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1646162			\$2,499	\$82,232	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1653032				\$21,712	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1707588				\$97,650	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1917630			\$18,535	\$31,834	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	2027571				\$309	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1801666				\$55,658	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1926480				\$63,879	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1937128				\$3,858	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1510085				\$14,249	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1702841				\$120,552	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1706894				\$365	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1743992				\$17,691	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1802049				\$132,053	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1803812				\$7,882	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1901578				\$54,362	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1933457				\$22,603	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	2015217				\$2,151	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1538415				\$95,341	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1538416				\$8,713	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1562543				\$20,807	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1563029				\$34,293	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1625736				\$137,994	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1635256				\$32,724	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1646065				\$22,504	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1651538				\$107,894	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1652662				\$10,642	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1661609				\$98,891	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1662284				\$93,640	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1662897				\$41,480	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1760915				\$75,709	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1761697				\$51,127	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1762477				\$20,849	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1825352				\$115,580	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1830479				\$7,015	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1843892				\$139,174	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1846673				\$45,012	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1901740			\$20,970	\$32,503	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
	47.041	1902069			\$12,730	\$100,429	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	1917055				\$12,320	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	1930873				\$23,012	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	1930881				\$20,578	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	1932690				\$70,845	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	1440110				\$28,508	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	1547949				\$28,679	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	1929292				\$16,593	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	1940870				\$44,220	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	2022602				\$2,232	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041	1827846				-\$15,170	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		BOISE STATE UNIVERSITY	8437-PO125243		\$452	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		CAREGIE MELLON UNIVERSITY	1122191-351314		-\$1	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		IMPEDEX DIAGNOSTICS	N/A		\$195,688	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		LEHIGH UNIVERSITY	543871-78001		\$3,253	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		LINCOLN UNIVERSITY	2019-8253-MS&T		\$18,041	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		LIQUID CARBONIC LLC	N/A		\$19,429	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		NORTH CAROLINA STATE UNIVERSITY	2008-1015-03		\$15,297	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		PLASMIONIC DIAGNOSTICS LLC	N/A		\$4,716	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		RESEARCH FOUNDATION OF SUNY	87162/2/1159175		\$11,500	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		RUTGERS UNIVERSITY	SUBAWARD NO. 2, PO711356		\$139,053	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		TUFTS UNIVERSITY	100854-00001		\$61,871	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		UNIVERSITY OF KENTUCKY	RESEARCH FOUNDATION	3200001492-18-080	\$10,085	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.041		UNIVERSITY OF TENNESSEE	A17-0549-S001-A02		\$38,657	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1362431				\$23,167	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1463724				\$1,991	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1554776				\$109,922	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1609061				\$103,974	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1642913				\$8,804	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1720001				\$54,110	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1722647				\$39,534	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1800350				\$96,219	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1800578				\$48,005	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1808394				\$15,811	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1818642				\$65,100	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1827756				-\$7,804	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1828489				\$158,130	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1839210				\$11,674	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1906109				\$10,339	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1566246				\$915	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1566442				\$50,089	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1710594				\$192,615	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1764437				\$125,033	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1808672				\$213,031	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1841346				\$30,739	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1856522			\$13,913	\$57,380	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1955239				\$25,384	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1464111				\$41,049	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1552871				\$13,308	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1709792				\$81,371	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1710313				\$110,625	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1729227				\$203,909	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1729779				\$245,322	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1742086				\$134,569	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1757936				\$78,612	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1807263				\$171,073	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1809128				\$151,492	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1809160				\$117,753	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1810922				\$152,054	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1905442				\$3,100	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	2028803				\$22,320	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1609760				\$54,678	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1615789				\$20,501	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1620465				\$53,196	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1664047				\$50,186	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1700036				\$62,271	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
	47.049	1700046				\$39,370	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1710989				\$36,474	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1801806				\$11,397	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1811745				\$14,973	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1812436				\$47,413	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1844731				\$4,118	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1853222				\$77,962	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1853556				\$42,976	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1901871				\$36,106	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1906725				\$85,755	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1912715				\$3,906	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1913293				\$2,395	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1615441				\$33,990	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1812946				\$61,224	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1816411				\$31,271	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1665207				-\$508	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1703109				\$132,537	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1710856				\$69,962	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1921006				\$212,878	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1827180				\$61,566	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF NORTH CAROLINA						
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		CHAPEL HILL	5112413		\$1,418	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049		WASHINGTON UNIVERSITY	N/A		\$4	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1714749				\$105,342	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1724581				\$38,324	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1801598				\$65,295	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1830644				\$109,219	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1927715				\$28,499	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1939228				\$5,785	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1940192				\$2,446	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1109699				\$40,711	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1419906				\$3,058	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1519980				\$49,369	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1620591				\$8,312	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1631684				\$77,912	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1636643				\$3,901	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1650745				\$77,059	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1652351				\$87,885	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1714875				\$52,513	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1838376				\$1,082	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1917031				\$35,975	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1928360				\$1,535	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1935290				\$32,476	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050		COLUMBIA UNIVERSITY	69(GG009393)		\$18,141	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY CORPORATION FOR						
GEOSCIENCES	47.050		ATMOSPHERIC RESEARCH	N/A		\$4,375	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF NEBRASKA LINCOLN	26-6331-0310-002		\$448	\$4,652,630	N/A	\$0
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1539389				\$94,532	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1544794				\$10,042	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1553548				\$75,674	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1629908				\$12,848	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1827177			\$65,522	\$189,486	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	2006816				\$1,552	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1461914				\$121,969	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1505610				\$8,337	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1526299				\$47,948	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1545037				\$74,226	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1545050				\$79,242	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1647182				\$52,353	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1647213				\$146,738	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1747751				\$265,341	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1818462				\$8,911	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1818942			\$14,408	\$24,036	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1837472				\$192,254	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1841716				\$11	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1851429				\$25,863	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1852554				\$2,401	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1855391				\$180,197	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1905200				\$96,378	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1935076				\$25,461	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1950873				\$6,481	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1954327				\$126,225	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	2016822				\$2,900	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	NS1659134				\$144,069	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1533918				\$21,571	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1617443				\$95,394	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1725755				\$21,482	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1814797				\$91,161	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1834218				-\$800	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1900924				\$30,535	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1763246				\$118,792	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1948117				\$1,051	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1730655			\$33,809	\$149,001	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1919789				\$1,825,943	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1925681			\$161,148	\$254,729	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSIT OF NORTH TEXAS	GF30029-1		\$21,359	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070		UNIVERSITY OF WASHINGTON	UWSC974/BPO25974		\$6,489	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1339198				\$141,605	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1359593			\$65,617	\$78,520	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1408736				\$55,341	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1444448			\$1,405	\$770,334	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1457319				\$51,934	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1545780				\$133,354	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1557806				\$159,235	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1638550				\$49,130	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1715534				\$196,529	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1716688			\$62,765	\$324,983	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1723147				\$2,083	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1755175				\$68,856	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1659831				\$131,188	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1759896			\$4,112	\$354,675	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1759934				\$155,806	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1355151				\$19,482	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1638972				\$113,757	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1754802				\$217,489	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1802400			\$14,955	\$26,236	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1940624			\$35,599	\$71,388	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1818298				\$119,240	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1818312			\$59,051	\$332,670	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1936590			\$12,579	\$386,649	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1940655				\$7,063	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	2030473				\$10,958	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1339156			\$21,536	\$34,751	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1354609				\$11,257	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1456023				\$114,455	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1456181				\$6,649	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1546873			\$557,763	\$904,269	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1557439				\$10,113	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1557801				\$28,416	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1639618			\$4	\$141,379	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1654866				\$36,617	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1734145			\$310,686	\$778,805	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1743594				\$49,021	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1754201			\$52,589	\$256,311	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1758843				\$174,066	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1826803				\$154,380	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1829365			\$205,564	\$669,055	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1856093				\$116,629	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1923779				\$11,745	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1932639			\$12,364	\$70,517	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1936492			\$484,322	\$644,932	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074	1456256			\$44,881	\$72,766	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
			CARY INSTITUTE OF ECOSYSTEM STUDIES	3392/200201970		\$5,299	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074		IOWA STATE UNIVERSITY	420-41-148		\$164,918	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
			ST LOUIS UNIVERSITY	ERS# 44521					
BIOLOGICAL SCIENCES	47.074		ST LOUIS UNIVERSITY	ERS# 39493		\$162,172	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF GEORGIA	RC371-288/S000904					
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF GEORGIA	SUB00000817		\$398,960	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF MINNESOTA	H004551101		\$13,637	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF RHODE ISLAND	4451/102615		\$57,006	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1515709				\$5,570	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1551992				\$104,789	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1460719				\$7,282	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1847486				\$13,512	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1853096				\$58,257	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1919515				\$2,664	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1921312				\$42,278	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1355750				\$4,328	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1621158				\$100,471	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1658345				\$563	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1733893				\$27,102	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1912776				\$45,259	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	2031703				\$6,209	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1132031				\$55,233	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1451757				\$14,653	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1460436				\$11,384	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1733990			\$30,767	\$87,130	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1953798				\$6,888	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	2021600				\$22,471	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075		RUTGERS UNIVERSITY	1129		\$80,309	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1414438			\$1,017	\$128,323	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1430614				\$26,039	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1504363				\$26,446	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1540848				\$125,896	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1646888				\$6,041	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1659133				\$347,354	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1712560			\$123,911	\$158,861	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1721025				\$253,619	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1852822			\$17,149	\$132,952	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1906795				\$99,035	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1945995				\$38,558	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1545177				\$27,949	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1842485				\$235,875	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1316683				\$10,102	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1742523			\$4,989	\$97,800	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1836857				\$42,628	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1914771				\$375,882	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1930221				\$15,822	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076	1930402				\$23,395	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076		HARRIS STOWE STATE COLLEGE	1619639				RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076		HARRIS STOWE STATE COLLEGE	N/A		\$318,629	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076		ILLINOIS STATE UNIVERSITY	A17-0061-S002		\$37,818	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076		JOHNSON COUNTY COMMUNITY COLLEGE	N/A		\$8,423	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076		MIDDLE TENNESSEE STATE UNIVERSITY	537225-77777-01		\$27,393	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	5116677		\$41,038	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076		UNIVERSITY OF NEVADA, LAS VEGAS	19-GR09294-00		\$29,069	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF INTERNATIONAL SCIENCE AND ENGINEERING	47.079	1355406				\$163	\$163	RESEARCH AND DEVELOPMENT	\$178,747,631
INTEGRATIVE ACTIVITIES	47.083	1355406			\$441,661	\$1,280,955	\$1,854,346	RESEARCH AND DEVELOPMENT	\$178,747,631
INTEGRATIVE ACTIVITIES	47.083	1810732			\$294,839	\$573,391	\$1,854,346	RESEARCH AND DEVELOPMENT	\$178,747,631
INTERGOVERNMENTAL PERSONNEL ACT ASSIGNMENT: SHUBRA GANGOPADHYAY, PROGRAM DIRECTOR IN THE COMMUNICATIONS, CIRCUITS, AND SENSING SYSTEMS PROGRAM	47.RD	1650301				\$276,625	\$501,804	RESEARCH AND DEVELOPMENT	\$178,747,631
IPA ASSIGNMENT FOR DR. ROBERT LANDERS TO NSF CMMI EXPANDING THE STATEWIDE I-CORPS SITE PROGRAM	47.RD	1853148				\$211,740	\$501,804	RESEARCH AND DEVELOPMENT	\$178,747,631
EXPANDING THE STATEWIDE I-CORPS SITE PROGRAM	47.RD	2017-23-019	MISSOURI TECH CORPORATION	2017-23-019		\$13,439	\$501,804	RESEARCH AND DEVELOPMENT	\$178,747,631
<b>TOTAL NATIONAL SCIENCE FOUNDATION</b>						\$3,203,659	\$28,062,839		
<b>SMALL BUSINESS ADMINISTRATION</b>									
SMALL BUSINESS DEVELOPMENT CENTERS	59.037	SBAHQ18B0086			\$42,438	\$52,364	\$2,197,161	N/A	\$0
SMALL BUSINESS DEVELOPMENT CENTERS	59.037	SBAHQ19B0024			\$513,113	\$1,069,500	\$2,197,161	N/A	\$0
SMALL BUSINESS DEVELOPMENT CENTERS	59.037	SBAHQ20B0003			\$299,268	\$918,374	\$2,197,161	N/A	\$0
SMALL BUSINESS DEVELOPMENT CENTERS	59.037	SBAHQ20C0032				\$156,923	\$2,197,161	N/A	\$0
FEDERAL AND STATE TECHNOLOGY PARTNERSHIP PROGRAM	59.058	SBAHQ19G0019				\$43,014	\$43,014	N/A	\$0

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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>TOTAL SMALL BUSINESS ADMINISTRATION</b>									
					\$854,819	\$2,240,175			
<b>DEPARTMENT OF VETERANS AFFAIRS</b>									
POSTTRAUMATIC STRESS DISORDER AND TRAUMATIC BRAIN INJURY IN WOMEN SURVIVORS OF INTIMATE PARTNER VIOLENCE									
	64.RD	36C24118C0076				\$914,828	\$2,068,426	RESEARCH AND DEVELOPMENT	\$178,747,631
DEPT. OF VETERANS AFFAIRS CONTRACT									
	64.RD	36C26319C0108				\$17,598	\$2,068,426	RESEARCH AND DEVELOPMENT	\$178,747,631
OPEN-FIELD BLAST CORE FACILITY OBLIGATION #589-C18051									
	64.RD	OBLIGATION# 589-C08018				\$24,247	\$2,068,426	RESEARCH AND DEVELOPMENT	\$178,747,631
IPA AGREEMENTS									
	64.RD	N/A				\$989,183	\$2,068,426	RESEARCH AND DEVELOPMENT	\$178,747,631
IPA AGREEMENTS WITH VA									
	64.RD	N/A				\$103,552	\$2,068,426	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVIANT SYNCHRONIZATION OF NEURAL FUNCTION IN SCHIZOPHRENIA									
	64.RD	N/A	MINNEAPOLIS VA HEALTH CARE SYSTEM	N/A		\$19,018	\$2,068,426	RESEARCH AND DEVELOPMENT	\$178,747,631
<b>TOTAL DEPARTMENT OF VETERANS AFFAIRS</b>									
						\$2,068,426			
<b>ENVIRONMENTAL PROTECTION AGENCY</b>									
NONPOINT SOURCE IMPLEMENTATION GRANTS									
	66.460		MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI DEPARTMENT OF NATURAL RESOURCES	G19-NPS-06 G19-NPS-07 G19-NPS-14 G19-NPS-15		\$369,262	\$375,591	N/A	\$0
NONPOINT SOURCE IMPLEMENTATION GRANTS									
	66.460		SCHUYLER COUNTY SOIL & WATER CONSERVATION DISTRICT SCHUYLER COUNTY SOIL & WATER CONSERVATION DISTRICT	G14-NPS-01 N/A		\$6,329	\$375,591	N/A	\$0
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS									
	66.461	97770401				\$8,237	\$141,235	RESEARCH AND DEVELOPMENT	\$178,747,631
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS									
	66.461	CD97757801				\$69,563	\$141,235	RESEARCH AND DEVELOPMENT	\$178,747,631
REGIONAL WETLAND PROGRAM DEVELOPMENT GRANTS									
	66.461	CD97763201				\$63,435	\$141,235	RESEARCH AND DEVELOPMENT	\$178,747,631
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS									
	66.468		MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A		\$47,787	\$52,358	DRINKING WATER STATE REVOLVING FUND CLUSTER	\$47,787
CAPITALIZATION GRANTS FOR DRINKING WATER STATE REVOLVING FUNDS									
	66.468	N/A	MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A		-\$107	\$4,571	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE TO ACHIEVE RESULTS (STAR) RESEARCH PROGRAM									
	66.509	RD83575101			\$24,517	\$24,517	\$24,517	RESEARCH AND DEVELOPMENT	\$178,747,631
P3 AWARD: NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY									
	66.516	SU-83996201				\$25,000	\$25,000	RESEARCH AND DEVELOPMENT	\$178,747,631
PERFORMANCE PARTNERSHIP GRANTS									
	66.605		MISSOURI DEPARTMENT OF AGRICULTURE	N/A		\$30,002	\$30,002	N/A	\$0
RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION, TRAINING, DEMONSTRATIONS, AND STUDIES									
	66.716		EXTENSION FOUNDATION	SA-2019-56		\$20,649	\$20,649	N/A	\$0
WA 4-34 LOW-BROMIDE ANALYSIS									
	66.RD	MS&T-20-001	PEGASUS TECHNICAL SERVICES INC	MS&T-20-001		\$1,490	\$1,490	RESEARCH AND DEVELOPMENT	\$178,747,631
<b>TOTAL ENVIRONMENTAL PROTECTION AGENCY</b>									
					\$24,410	\$670,842			
<b>NUCLEAR REGULATORY COMMISSION</b>									
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM									
	77.008	NRC-HQ-84-15-G-0036				\$73,580	\$569,200	N/A	\$0
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM									
	77.008	31310018M0015				\$101,230	\$569,200	RESEARCH AND DEVELOPMENT	\$178,747,631
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM									
	77.008	31310018M0044				\$100,328	\$569,200	RESEARCH AND DEVELOPMENT	\$178,747,631
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM									
	77.008	31310019M0018				\$102,139	\$569,200	RESEARCH AND DEVELOPMENT	\$178,747,631
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM									
	77.008	31310019M0030				\$32,297	\$569,200	RESEARCH AND DEVELOPMENT	\$178,747,631
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM									
	77.008	NRC-HQ-84-14-G-0031				\$107,645	\$569,200	RESEARCH AND DEVELOPMENT	\$178,747,631
U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP PROGRAM									
	77.008	NRC-HQ-84-15-G-0044				\$51,981	\$569,200	RESEARCH AND DEVELOPMENT	\$178,747,631
<b>TOTAL NUCLEAR REGULATORY COMMISSION</b>									
						\$569,200			
<b>DEPARTMENT OF ENERGY</b>									

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
STATE ENERGY PROGRAM	81.041		MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT	DE-EE0007480-320-P		\$21,371	\$21,371	N/A	\$0
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	SC0007808			\$139,183	\$251,001	\$2,980,312	N/A	\$0
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-FG02-00ER45818				\$125,895	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-FG02-05ER46203				\$98,589	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-FG02-08ER46518				\$188,177	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-SC0014461				\$180,990	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-SC0018662			\$59,500	\$139,501	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-SC0019109				\$91,101	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-SC0019114				\$182,530	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-SC0019218				\$130,787	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-SC0019740				\$118,840	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-SC0020159			\$77,112	\$161,781	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-SC0020292				\$49,021	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	DE-SC0020346			\$64,762	\$156,741	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	SC0013978			\$11,089	\$11,089	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	SC0014174				\$162,721	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	SC0017130				\$154,974	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049	SC0018222			\$75,253	\$160,264	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		COLD SPRINGS HARBOR LAB	51850213					
			COLD SPRINGS HARBOR LAB	51850313		\$177,156	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
			DONALD DANFORTH PLAN SCIENCE CENTER						
			DONALD DANFORTH PLAN SCIENCE CENTER	22915-M 23410-M		\$90,186	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		MASSACHUSETTS INSTITUTE OF TECHNOLOGY	5710004152		\$330	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		NORTH CAROLINA STATE UNIVERSITY	2015-2076-01		\$29,062	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		PHDS CO	N/A		\$68,577	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		UNIVERSITY OF MINNESOTA	H007829701		\$10	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		UNIVERSITY OF SOUTHERN CALIFORNIA	68291175		\$50,649	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		UNIVERSITY OF TEXAS AUSTIN	UTA15-001186	\$12,565	\$171,051	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		UNIVERSITY OF WASHINGTON	UWSC9930		\$29,289	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
CONSERVATION RESEARCH AND DEVELOPMENT	81.086	DE-EE0008449			\$38,597	\$544,712	\$806,306	RESEARCH AND DEVELOPMENT	\$178,747,631
CONSERVATION RESEARCH AND DEVELOPMENT	81.086	EE0007282			\$12,045	\$204,777	\$806,306	RESEARCH AND DEVELOPMENT	\$178,747,631
CONSERVATION RESEARCH AND DEVELOPMENT	81.086		METROPOLITAN ENERGY CENTER WORCESTER POLYTECHNIC INSTITUTE	PO S-EVST06		\$29,227	\$806,306	RESEARCH AND DEVELOPMENT	\$178,747,631
CONSERVATION RESEARCH AND DEVELOPMENT	81.086			10685-GR		\$27,590	\$806,306	RESEARCH AND DEVELOPMENT	\$178,747,631
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087	DE-EE0008781			\$47,591	\$140,844	\$306,032	RESEARCH AND DEVELOPMENT	\$178,747,631
RENEWABLE ENERGY RESEARCH AND DEVELOPMENT	81.087		ARCELORMITTAL	4550 G WA302		\$165,188	\$306,032	RESEARCH AND DEVELOPMENT	\$178,747,631
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		ECHOGEN INC	N/A		\$1,626	\$833,073	N/A	\$0
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089	DE-FE0031645				\$166,554	\$833,073	RESEARCH AND DEVELOPMENT	\$178,747,631
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		GAS TECHNOLOGY INSTITUTE	5733-22166		\$78,210	\$833,073	RESEARCH AND DEVELOPMENT	\$178,747,631
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		MISSOURI STATE UNIVERSITY	18018-1 / DE-FE0031554					
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		MISSOURI STATE UNIVERSITY	18018-2		\$148,695	\$833,073	RESEARCH AND DEVELOPMENT	\$178,747,631
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		MEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY	N/A		\$72,199	\$833,073	RESEARCH AND DEVELOPMENT	\$178,747,631
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		UNIVERSITY OF ALASKA	POS28935 - UAF19-0013		\$147,549	\$833,073	RESEARCH AND DEVELOPMENT	\$178,747,631
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		UNIVERSITY OF KANSAS	FY2019-081		\$150,757	\$833,073	RESEARCH AND DEVELOPMENT	\$178,747,631
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		UNIVERSITY OF LOUISIANA AT LAFAYETTE	330135-01		\$67,483	\$833,073	RESEARCH AND DEVELOPMENT	\$178,747,631
DEFENSE NUCLEAR NONPROLIFERATION RESEARCH	81.113		GENERAL ATOMICS	4500063419		\$8,104	\$8,104	N/A	\$0
ENERGY EFFICIENCY AND RENEWABLE ENERGY INFORMATION DISSEMINATION, OUTREACH, TRAINING AND TECHNICAL ANALYSIS/ASSISTANCE	81.117	DE-EE0007723			\$75,309	\$189,948	\$189,948	RESEARCH AND DEVELOPMENT	\$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	DE-NE0000118				\$46,702	\$761,906	N/A	\$0
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	DE-NE0008729				\$30,907	\$761,906	N/A	\$0
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	NE0000123				\$24,611	\$761,906	N/A	\$0
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	DE-NE0008702				\$168,630	\$761,906	RESEARCH AND DEVELOPMENT	\$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	DE-NE0008753			\$1,764	\$166,720	\$761,906	RESEARCH AND DEVELOPMENT	\$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	NE0008666				\$254,626	\$761,906	RESEARCH AND DEVELOPMENT	\$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121		AUBURN UNIVERSITY	20-ENG-211752-UMO		\$22,966	\$761,906	RESEARCH AND DEVELOPMENT	\$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121		IDAHO STATE UNIVERSITY	16-0226A		\$41,481	\$761,906	RESEARCH AND DEVELOPMENT	\$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121		OHIO STATE UNIVERSITY	60067834		\$5,263	\$761,906	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	AR0000874				\$92,711	\$1,129,846	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	DE-AR0000874				\$80,540	\$1,129,846	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	DE-AR0001125				\$149,466	\$1,129,846	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135	DE-AR0001213				\$62,020	\$1,129,846	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		GAS TECHNOLOGY INSTITUTE	22144		\$78,968	\$1,129,846	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		UNIVERSITY OF CALIFORNIA LOS ANGELES	0121 G XA098		\$26,615	\$1,129,846	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		UNIVERSITY OF FLORIDA	UFDSP00012000		\$647,514	\$1,129,846	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135		VIRGINIA COMMONWEALTH UNIVERSITY	FP00001756-SA002		-\$7,988	\$1,129,846	RESEARCH AND DEVELOPMENT	\$178,747,631
BLAST RESISTANT WINDOWS AND STRUCTURES	81.RD	US001-0000761395	BATTELLE MEMORIAL INSTITUTE	US001-0000761395		\$282,368	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
PREDICTING THE PERFORMANCE AND IMPACT OF DYNAMIC PFC SURFACES	81.RD	4000159698	BATTELLE OAK RIDGE NATIONAL LAB	4000159698		\$111,745	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
ECO-FRIENDLY QUANTUM DOT COATING FOR RADIATION CONTAMINATION	81.RD	4300156797	CONSOLIDATED NUCLEAR SECURITY LLC	4300156797		\$103,572	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
MULTISCALE MODELING OF CORROSION AND OXIDATION PERFORMANCE AND THEIR IMPACT ON HIGH-TEMPERATURE FATIGUE OF AUTOMOTIVE EXHAUST MANIFOLD COMPONENTS	81.RD	AGC-RQ19-126R05	FORD MOTOR COMPANY	AGC-RQ19-126R05		\$133,581	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
SUMMER RESEARCH EXPERIENCE IN ADDITIVE MANUFACTURING	81.RD	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$38,379	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	N000256497	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000256497		-\$495	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
METAL ADDITIVE MANUFACTURING MATERIALS ANALYSIS FOR MISSOURI S&T	81.RD	N000285533	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000285533		\$398,469	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
MILLIMETER WAVE IMAGING	81.RD	N000291599	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000291599		\$37,660	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
MATERIALS FOR EXTREME ENVIRONMENTS: BORANE CONTAINING FILLERS	81.RD	N000292317	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000292317		\$69,721	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
ADDITIVELY MANUFACTURED METAL CELLULAR STRUCTURES	81.RD	N000293027	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000293027		\$72,303	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN CIRCULAR PIPES FOR HEAT TRANSFER	81.RD	N0002931310	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N0002931310		\$30,743	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
AM OF CERAMIC COMPOSITES	81.RD	N000293380	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000293380		\$161,073	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
FREQUENCY RESPONSE INSPECTION OF AM PARTS	81.RD	N000293582	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000293582		\$79,829	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH & DEVELOPMENT LARGE MASS DUAL BORE REVERSIBLE HELICAL ELECTROMAGNETIC LAUNCHER	81.RD	N000293975	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000293975		\$63,884	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
PICK BY LIGHT SYSTEM DESIGN	81.RD	N000294091	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000294091		\$5,673	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	81.RD	N000294227	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000294227		\$37,949	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
HIPERCO REPLACEMENT	81.RD	N000294228	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000294228		\$88,805	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
VIDEO INTEGRATION INTO VIRTUAL ENVIRONMENTS	81.RD	N000294768	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000294768		\$68,326	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH ROCKETS	81.RD	N000295050	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000295050		\$3,354	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT AND FABRICATION OF THIN FILM PASSIVE DEVICES ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AND LAMINATE SUBSTRATES	81.RD	N000295115	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000295115		\$15,512	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
EMI SUSCEPTIBILITY ANALYSIS OF RFICS	81.RD	N000296038	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000296038		\$40,693	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631



**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
PDRD PROJECT 704856: FUTURE GLASS SEALS	81.RD	N000297537	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000297537		\$6,397	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
APPLICATIONS OF EYE TRACKING	81.RD	N000300892	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000300892		\$9,332	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DIGITAL PROTECTIVE ENVIRONMENT FOR SMART MANUFACTURING	81.RD	N000302943	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000302943		\$12,549	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
ATOMISTIC POTENTIAL GENERATION FOR DIFFUSION PROCESSES I	81.RD	N000322300	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000322300		\$30,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
SEALING GLASS CHARACTERIZATION PROJECT	81.RD	N000332010	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000332010		\$20,457	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
AM OF ADVANCED CERAMICS	81.RD	N000335752	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000335752		\$82,666	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
ULTRA-HIGH TEMPERATURE CERAMICS	81.RD	N000335755	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000335755		\$96,639	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGH G SHOCK AND PROGRAMMABLE POWER SUPPLY	81.RD	N000335865	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000335865		\$45,014	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
ADDITIVELY MANUFACTURED METAL CELLULAR STRUCTURES	81.RD	N000335867	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000335867		\$116,264	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
ATOMIC LAYER DEPOSITION (ALD) CONFORMAL COAT	81.RD	N000336110	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000336110		\$47,247	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
CYBER PHYSICAL TESTER SECURITY	81.RD	N000336427	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000336427		\$26,958	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
HIPERCO REPLACEMENT	81.RD	N000337270	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000337270		\$82,833	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
RFID-IN PLANT LOCATION TRACKING #704987	81.RD	N000337839	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000337839		\$52,668	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DIGITAL PROTECTIVE EQUIPMENT	81.RD	N000338298	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000338298		\$50,333	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
VERIFICATION AND VALIDATION OF THERMOFLUID SIMULATION	81.RD	N000338330	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000338330		\$68,233	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH AND SOUNDING ROCKETS	81.RD	N000338372	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000338372		\$14,302	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
NEXT GENERATION CERAMIC MATERIALS	81.RD	N000340984	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000340984		\$14,301	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
FREQUENCY RESPONSE INSPECTION OF AM PARTS	81.RD	N000342832	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000342832		\$19,272	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
GLASS FIBERS	81.RD	N000343581	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000343581		\$16,851	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
ADDITIVE MATERIALS EVALUATIONS	81.RD	N000343667	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N000343667		\$50,838	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
SENIOR DESIGN COURSE PROJECT: MULTI-FACTOR AUTHENTICATION SYSTEM	81.RD	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$206	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
SENIOR DESIGN COURSE PROJECT: LOW LOSS POWER MANAGEMENT	81.RD	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$1,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DESIGN OF LIFTING SYSTEM FOR HEAVY FIXTURING- STUDENT DESIGN	81.RD	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$11,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
MINIATURE PRESSURE TESTING APPARATUS	81.RD	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$11,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DESIGN OF A DIE TRANSFER MECHANISM- STUDENT DESIGN	81.RD	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$11,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DESIGN OF A FLOATING DIE FIXTURE - STUDENT DESIGN	81.RD	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$11,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
SENIOR DESIGN - ION EXCHANGE GAS	81.RD	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$1,025	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DATA ANALYTICS FOR ADDITIVE MANUFACTURING (AM)	81.RD	PO6400424189	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	PO6400424189		\$5,475	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT OF HIGH THROUGHPUT MECHANICAL PROPERTIES TESTING	81.RD	234370	IDAHO NATIONAL LABORATORY	234370		\$11,407	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
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		\$17,762	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
INVESTIGATION OF BIOCHEMICAL NUTRIENT TRANSFORMATION IN THE EAST RIVER, CO	81.RD	7516211	LAWRENCE BERKELEY NATIONAL LAB	7516211		\$2,640	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
VALIDATION TESTING OF LLNL ONSITE ENERGETIC MATERIAL TRANSPORTION CONTAINERS	81.RD	B639781	LAWRENCE LIVERMORE NATIONAL LABORATORY	B639781		\$28,532	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
UNCERTAINTY REDUCTION IN HIGH SPEED FLIGHT VEHICLE MODELING	81.RD	N/A	M4 ENGINEERING INC	N/A		\$18,725	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
2020 SOLAR DECATHLON	81.RD	60025201 34416	NATIONAL RENEWABLE ENERGY LAB	60025201 34416		\$1,618	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
MISSOURI OZARK AMERIFLUX (MOFLUX) PROJECT PHASE FOUR	81.RD	4000150689	OAK RIDGE NATIONAL LABORATORY	4000150689		\$170,791	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
LARGE SCALE MANUFACTURING SUPPORT	81.RD	4000164687	OAK RIDGE NATIONAL LABORATORY	4000164687		-\$8,524	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT OF INTEGRATED MULTI-PORT POWER ELECTRONICS OPTIMIZATION OF ELECTRIC SHUTTLE FLEET IN AN AUTOMATED MOBILITY DISTRICT	81.RD	4000167159	OAK RIDGE NATIONAL LABORATORY	4000167159		\$53,219	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
THEORETICAL PREDICTION OF NITROGEN DIOXIDE POTENTIAL ENERGY SURFACES AND ABSORPTION SPECTRA	81.RD	4000167924	OAK RIDGE NATIONAL LABORATORY	4000167924		\$13,751	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT OF NONDESTRUCTIVE TECHNIQUE (MICROWAVE IMAGING) WITH SIGNAL ANALYSIS TOOLS ON COMPOSITES AND POLYMER MATERIALS	81.RD	1987755	SANDIA NATIONAL LABORATORY	1987755		\$55,380	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
PRODUCTION OF Si2N2O2/BN COMPOSITES AND COLD SINTERING DEVELOPMENT FOR SANDIA NATIONAL LABORATORIES	81.RD	2056331	SANDIA NATIONAL LABORATORY	2056331		\$13,829	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
SOLSMART PROGRAM EVALUATION	81.RD	2132640	SANDIA NATIONAL LABORATORY	2132640		\$7,659	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
PRODUCE OPTICAL FIBER TEST SPECIMENS	81.RD	N/A	SOLAR FOUNDATION	N/A	\$1,514	\$11,579	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGH RESOLUTION SIMULATIONS OF PARTICLE ACCELERATION IN SHOCK-DRIVEN MULTIPHASE FLOWS	81.RD	487036	TRIAD NATIONAL SECURITY LLC	487036		-\$383	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
CYBER SECURITY SCIENCES INSTITUTE (CSSI)	81.RD	527153	TRIAD NATIONAL SECURITY LLC	527153		\$54,943	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT AND APPLICATION OF RAYLEIGH BACKSCATTER OPTICAL MEASUREMENT SYSTEM	81.RD	531898	TRIAD NATIONAL SECURITY LLC	531898		\$55,264	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
EMBEDDING DISTRIBUTED FIBER OPTIC SENSORS IN LASER DEPOSITION MODELING METAL ADDITIVE MANUFACTURED COMPONENTS	81.RD	540498	TRIAD NATIONAL SECURITY LLC	540498		\$65,198	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
JOINING OF CERAMIC COMPOSITES FOR NUCLEAR APPLICATIONS	81.RD	553044	TRIAD NATIONAL SECURITY LLC	553044		\$16,084	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
PRELIMINARY SAR REVIEW AND CONVERSION TRANSITION PLANNING WORK ORDER # 8	81.U01	S-155-000-001	UES	S-155-000-001		\$115,554	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
BERYLLIUM REFLECTOR LIFETIME EXTENSION STUDY	81.U02	6J-00005-0008A	ARGONNE NATIONAL LAB	6J-00005-0008A		\$41,846	\$41,846	N/A	\$0
ARGONNE WORK ORDER #3 BOA 7J-30010	81.U03	7J-30010-0002A	ARGONNE NATIONAL LAB	7J-30010-0002A		\$64,876	\$64,876	N/A	\$0
DESIGN OF AN FPGA-BASED MODULAR SENSING ARCHITECTURE	81.U04	7J-30010-0003A	ARGONNE NATIONAL LAB	7J-30010-0003A		\$60,178	\$60,178	N/A	\$0
SP19 SR DESIGN - DIE TRANSFER MECHANISM (HONEYWELL)	81.U05		HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	DE-NA0002839		\$6,069	\$6,069	N/A	\$0
SP19 SR DESIGN - METAL AM SUBSTRATE TRANSPORTATION CONTAINER	81.U06	N0002839	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N0002839		\$587	\$587	N/A	\$0
		NA0002839	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	NA0002839		\$3,363	\$3,363	N/A	\$0

**UNIVERSITY OF MISSOURI SYSTEM  
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Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
THERMAL SET THREADED INSERT PULLOUT FORCE FOR POLYMER AM	81.U07	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$403	\$403	N/A	\$0
FLOATING DIE FIXTURE	81.U08	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$591	\$591	N/A	\$0
ECE001: MULTI-FACTOR AUTHENTICATION	81.U09	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$2,358	\$2,358	N/A	\$0
ECE002 - RF ENERGY HARVESTING	81.U10	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$2,056	\$2,056	N/A	\$0
ECE004 - EMBEDDED ENERGY CONSERVATION & SAFETY	81.U11	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$2,188	\$2,188	N/A	\$0
MICROSCOPE INSPECTION FIXTURE	81.U12	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$98	\$98	N/A	\$0
ECE003 - STAGE SENSOR WITH ALGORITHM	81.U13	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$2,500	\$2,500	N/A	\$0
SP20 SR DESIGN: TELEMETRY ROCKET MOTOR DESIGN	81.U14	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$1,003	\$1,003	N/A	\$0
SP20 SR DESIGN: DESIGN OF A STAGE ALIGNMENT VERIFICATION TOOL	81.U15	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$928	\$928	N/A	\$0
SP20 SR DESIGN: GLASS SLUMPING FIXTURE	81.U16	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$69	\$69	N/A	\$0
SP20 SR DESIGN: TELEMETRY ROCKET BODY OPTIMIZATION AND INSTRUMENTATION	81.U17	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$272	\$272	N/A	\$0
SP20 SR DESIGN: DESIGN AND FABRICATE AN ELECTROPERMANENT MAGNET	81.U18	N/A	HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$313	\$313	N/A	\$0
WATER DYNAMICS NEAR A HYDROPHILIC CUO SURFACE	81.U19	4000157204	OAK RIDGE NATIONAL LAB	4000157204		\$22,572	\$22,572	N/A	\$0
SMALL ANGLE NEUTRON SCATTERING OF 70S RIBOSOMES IN MULTIPLE CONFORMATIONAL STATES	81.U20	4000158960	OAK RIDGE NATIONAL LAB	4000158960		\$21,247	\$21,247	N/A	\$0
POLARIZED NEUTRON REFLECTIVITY INVESTIGATION OF HYDROGEN-INDUCED MAGNETISM IN EPITAXIAL GRAPHENE AND OTHER 2D MATERIALS	81.U21	4000159141	OAK RIDGE NATIONAL LAB	4000159141		\$6,114	\$6,114	N/A	\$0
<b>TOTAL DEPARTMENT OF ENERGY</b>						<u>\$616,284</u>	<u>\$10,739,561</u>		
<b>DEPARTMENT OF EDUCATION</b>									
CIVIL RIGHTS TRAINING AND ADVISORY SERVICES	84.004		INDIANA UNIVERSITY PURDUE INDIANAPOLIS	N/A		\$28,093	\$28,093	N/A	\$0
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS	84.007		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$1,965,518	\$1,965,518	STUDENT FINANCIAL ASSISTANCE	\$466,400,116
TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES	84.010		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$374,030	\$374,030	N/A	\$0
MIGRANT EDUCATION_STATE GRANT PROGRAM	84.011		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$43,589	\$43,589	N/A	\$0
SPECIAL EDUCATION_GRANTS TO STATES	84.027		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$11,882	\$3,008,585	RESEARCH AND DEVELOPMENT	\$178,747,631
SPECIAL EDUCATION_GRANTS TO STATES	84.027		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$2,996,703	\$3,008,585	SPECIAL EDUCATION CLUSTER (IDEA)	\$2,996,703
FEDERAL WORK-STUDY PROGRAM	84.033					\$3,034,488	\$3,034,488	STUDENT FINANCIAL ASSISTANCE	\$466,400,116
PERKINS LOAN PROGRAM	84.038					\$25,387,816	\$25,387,816	STUDENT FINANCIAL ASSISTANCE	\$466,400,116
TRIO_STUDENT SUPPORT SERVICES	84.042	P042A151581				\$768,748	\$768,748	TRIO CLUSTER	\$1,070,060
CAREER AND TECHNICAL EDUCATION -- BASIC GRANTS TO STATES	84.048		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$21,550	\$21,550	N/A	\$0
FEDERAL PELL GRANT PROGRAM	84.063					\$54,479,898	\$54,543,838	STUDENT FINANCIAL ASSISTANCE	\$466,400,116

**UNIVERSITY OF MISSOURI SYSTEM  
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Federal Awarding Agency/Program Title	Federal Assistance Listing 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
FEDERAL PELL GRANT PROGRAM	84.063					\$63,940	\$54,543,838	STUDENT FINANCIAL ASSISTANCE	\$466,400,116
MINORITY SCIENCE AND ENGINEERING IMPROVEMENT	84.120		HARRIS STOWE STATE COLLEGE	N/A		\$30,951	\$30,951	N/A	\$0
REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.126		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$3,457,254	\$3,457,948	N/A	\$0
REHABILITATION SERVICES_VOCATIONAL REHABILITATION GRANTS TO STATES	84.126		MISSOURI DEPARTMENT OF SOCIAL SERVICES	ER101140001		\$694	\$3,457,948	N/A	\$0
SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES_NATIONAL PROGRAMS	84.184		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$163,551	\$253,171	N/A	\$0
SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES_NATIONAL PROGRAMS	84.184		ST. LOUIS PUBLIC SCHOOLS	N/A		\$89,620	\$253,171	N/A	\$0
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A150123				\$147,406	\$1,335,199	N/A	\$0
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A150190				\$7,352	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A150208			\$3,319	\$126,351	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A150309				\$2,070	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A150327				\$92,905	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A160235				\$158,135	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A180051				\$167,952	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A180061				\$249,863	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A180066				\$107,389	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A180071				\$87,763	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A180090				\$86,404	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
GRADUATE ASSISTANCE IN AREAS OF NATIONAL NEED	84.200	P200A180095				\$101,609	\$1,335,199	RESEARCH AND DEVELOPMENT	\$178,747,631
TRIO_MCNAIR POST-BACCALAUREATE ACHIEVEMENT	84.217	P217A170201				\$301,312	\$301,312	TRIO CLUSTER	\$1,070,060
FEDERAL DIRECT STUDENT LOANS	84.268					\$356,864,871	\$356,864,871	STUDENT FINANCIAL ASSISTANCE	\$466,400,116
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287		LOCAL INVESTMENT COMMISSION	25E119		\$61,682	\$582,329	N/A	\$0
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$520,647	\$582,329	N/A	\$0
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	R305B150028				\$86,821	\$3,828,954	N/A	\$0
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	R305A150364			\$3,319	\$5,527	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	R305A150517				\$701,882	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	R305A170180				\$563,976	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	R305A180111			\$34,440	\$193,155	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	R305A180516				\$364,792	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	R305C190014			\$124,010	\$1,446,981	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	R305H170023				\$109,690	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305		SRI INTERNATIONAL	30755		\$269,793	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305		UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	5114108		\$26,602	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305		UNIVERSITY OF WISCONSIN MADISON	895K624		\$25,574	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
SPECIAL EDUCATION - STATE PERSONNEL DEVELOPMENT	84.323		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$41,722	\$41,722	N/A	\$0
RESEARCH IN SPECIAL EDUCATION	84.324	R324A190046			\$94,554	\$156,193	\$711,214	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH IN SPECIAL EDUCATION	84.324		AMERICAN INSTITUTE FOR RESEARCH	048000001		\$177,578	\$711,214	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH IN SPECIAL EDUCATION	84.324		UNIVERSITY OF MINNESOTA	A005942802		\$334,166	\$711,214	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH IN SPECIAL EDUCATION	84.324		UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	5115068		\$39,709	\$711,214	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH IN SPECIAL EDUCATION	84.324		UNIVERSITY OF SOUTH FLORIDA	5810-1021-00-A		\$204	\$711,214	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH IN SPECIAL EDUCATION	84.324		UNIVERSITY OF WISCONSIN MADISON	0000000255		\$3,364	\$711,214	RESEARCH AND DEVELOPMENT	\$178,747,631
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325	H325D160067				\$277,453	\$561,770	N/A	\$0
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325	H325D190033				\$13,824	\$561,770	N/A	\$0
SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.325	H325K160028				\$270,493	\$561,770	RESEARCH AND DEVELOPMENT	\$178,747,631
SPECIAL EDUCATION_TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326		NATIONAL CENTER ON DEAF-BLINDNESS	N/A		\$545	\$1,560,632	N/A	\$0
SPECIAL EDUCATION_TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326		UNIVERSITY OF OREGON	282070K		\$1,230,316	\$1,560,632	N/A	\$0
SPECIAL EDUCATION_TECHNICAL ASSISTANCE AND DISSEMINATION TO IMPROVE SERVICES AND RESULTS FOR CHILDREN WITH DISABILITIES	84.326	H326M170006			\$195,150	\$329,771	\$1,560,632	RESEARCH AND DEVELOPMENT	\$178,747,631

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CHILD CARE ACCESS MEANS PARENTS IN SCHOOL	84.335	P335A180302				\$83,699	\$83,699	N/A	\$0
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365	T365Z170135			\$14,560	\$593,892	\$606,606	N/A	\$0
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$12,714	\$606,606	N/A	\$0
IMPROVING TEACHER QUALITY STATE GRANTS	84.367		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$350,848	\$364,287	N/A	\$0
IMPROVING TEACHER QUALITY STATE GRANTS	84.367		NATIONAL WRITING PROJECT CORPORATION	93-MO03-SEED-EI2019		\$13,439	\$364,287	RESEARCH AND DEVELOPMENT	\$178,747,631
TEACHER EDUCATION ASSISTANCE FOR COLLEGE AND HIGHER EDUCATION GRANTS (TEACH GRANTS)	84.379					\$206,559	\$206,559	STUDENT FINANCIAL ASSISTANCE	\$466,400,116
TRANSITION PROGRAMS FOR STUDENTS WITH INTELLECTUAL DISABILITIES INTO HIGHER EDUCATION	84.407	P407A150057				\$432,697	\$432,697	N/A	\$0
INVESTING IN INNOVATION (I3) FUND	84.411	U411B150005			\$1,898,580	\$2,370,466	\$3,074,532	N/A	\$0
INVESTING IN INNOVATION (I3) FUND	84.411	U411C140081			\$4,861	\$210,689	\$3,074,532	N/A	\$0
INVESTING IN INNOVATION (I3) FUND	84.411	U411C180114			\$61,497	\$378,969	\$3,074,532	N/A	\$0
INVESTING IN INNOVATION (I3) FUND	84.411		NATIONAL WRITING PROJECT CORP	92-MO03-2018I3C3WP	\$14,000	\$90,882	\$3,074,532	N/A	\$0
INVESTING IN INNOVATION (I3) FUND	84.411		NATIONAL WRITING PROJECT CORP	92-MO03-2019I3C3WP					
SUPPORTING EFFECTIVE EDUCATOR DEVELOPMENT PROGRAM	84.423	U423A180058	MORNINGSIDES CENTER FOR TEACHING SOCIAL RESPONSIBILITY	N/A	\$2,705,899	\$3,224,111	\$3,224,111	RESEARCH AND DEVELOPMENT	\$178,747,631
STUDENT SUPPORT AND ACADEMIC ENRICHMENT PROGRAM	84.424		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$31,997	\$31,997	N/A	\$0
COVID-19 EDUCATION STABILIZATION FUND - STUDENT AID	84.425	E COVID-19				\$14,333,205	\$28,977,087	N/A	\$0
COVID-19 EDUCATION STABILIZATION FUND - INSTITUTIONAL AID	84.425	F COVID-19				\$14,585,490	\$28,977,087	N/A	\$0
COVID-19 EDUCATION STABILIZATION FUND - SIP	84.425	M COVID-19				\$58,392	\$28,977,087	N/A	\$0
NEW EDITIONS EVALUATION WITH NASDDDS 2019-2020	84.RD	N/A	NATIONAL ASSOCIATION OF STATE DIRECTORS OF DEVELOPMENTAL DISABILITIES	N/A		\$3,766	\$3,766	RESEARCH AND DEVELOPMENT	\$178,747,631
<b>TOTAL DEPARTMENT OF EDUCATION</b>					<b>\$5,515,662</b>	<b>\$495,711,669</b>			
<b>NATIONAL ARCHIVES &amp; RECORDS ADMINISTRATION</b>									
PROJECT WHISTLESTOP 2018-2019	89.U01	NAR14TFLC-005				-\$4	-\$4	N/A	\$0
<b>TOTAL NATIONAL ARCHIVES &amp; RECORDS ADMINISTRATION</b>						<b>-\$4</b>			
<b>DEPARTMENT OF HEALTH AND HUMAN SERVICES</b>									
MEDICAL RESERVE CORPS SMALL GRANT PROGRAM	93.008	ASTWH190088				\$86,933	\$86,933	RESEARCH AND DEVELOPMENT	\$178,747,631
SPECIAL PROGRAMS FOR THE AGING_TITLE IV_AND TITLE II_DISCRETIONARY PROJECTS	93.048	90NW30052				\$12,744	\$12,744	N/A	\$0
COMPETITIVE ABSTINENCE EDUCATION (CAE)	93.060	90SR0017				\$169,633	\$304,329	N/A	\$0
COMPETITIVE ABSTINENCE EDUCATION (CAE)	93.060	90SR0068-01-00				\$134,696	\$304,329	N/A	\$0
ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE	93.070		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380007 DH200047765		\$235,149	\$280,058	N/A	\$0
ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE	93.070		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC20380085		\$44,909	\$280,058	RESEARCH AND DEVELOPMENT	\$178,747,631
BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND RESEARCH	93.080		UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0011472N		\$17,863	\$17,863	N/A	\$0
RESEARCH OF THE RESPONSIBLE CONDUCT OF RESEARCH (RCR)	93.085	1 ORIR190058-01-00				\$34,074	\$34,074	RESEARCH AND DEVELOPMENT	\$178,747,631
HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS	93.086	90FM0080-04			\$287,785	\$519,543	\$1,665,347	N/A	\$0
HEALTHY MARRIAGE PROMOTION AND RESPONSIBLE FATHERHOOD GRANTS	93.086	90FM0080-05			\$660,808	\$1,145,804	\$1,665,347	N/A	\$0
ENHANCE SAFETY OF CHILDREN AFFECTED BY SUBSTANCE ABUSE	93.087		PREFERRED FAMILY HEALTHCARE	N/A		\$193,678	\$193,678	N/A	\$0
AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY EDUCATION PROGRAM	93.092		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380071 AOC20380010		\$150,056	\$150,056	N/A	\$0
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103		MISSOURI DEPARTMENT OF AGRICULTURE	N/A		\$133,550	\$346,100	N/A	\$0
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103	U18FD005179				\$1,243	\$346,100	RESEARCH AND DEVELOPMENT	\$178,747,631
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103	U18FD006460				\$47,886	\$346,100	RESEARCH AND DEVELOPMENT	\$178,747,631

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Federal Awarding Agency/Program Title	Federal Assistance Listing 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
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103	U18FD006670				\$33,180	\$346,100	RESEARCH AND DEVELOPMENT	\$178,747,631
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103	U18FD006710				\$107,966	\$346,100	RESEARCH AND DEVELOPMENT	\$178,747,631
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103		UNIVERSITY OF KANSAS CENTER FOR RESEARCH	TAME		\$22,275	\$346,100	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC19380016		\$208,458	\$377,649	N/A	\$0
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		SAINT LOUIS MENTAL HEALTH BOARD	16045-C FY19					
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		SAINT LOUIS MENTAL HEALTH BOARD	16057SOC					
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		SAINT LOUIS MENTAL HEALTH BOARD	17019SOC					
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		SAINT LOUIS MENTAL HEALTH BOARD	20-025SOC		\$169,191	\$377,649	N/A	\$0
AREA HEALTH EDUCATION CENTERS POINT OF SERVICE MAINTENANCE AND ENHANCEMENT AWARDS	93.107		A.T. STILL UNIVERSITY	322-375		\$59,547	\$59,547	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110	T73MC00022	A.T. STILL UNIVERSITY	323-375		\$567,395	\$902,752	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC19380201	\$113,072	\$196,142	\$902,752	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0012728N		\$19,333	\$902,752	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MASSACHUSETTS GENERAL HOSPITAL						
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MASSACHUSETTS GENERAL HOSPITAL	226858		\$119,882	\$902,752	RESEARCH AND DEVELOPMENT	\$178,747,631
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MASSACHUSETTS GENERAL HOSPITAL	226859					
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.110		MASSACHUSETTS GENERAL HOSPITAL	226861					
ENVIRONMENTAL HEALTH	93.113	R01ES021007			\$149,652	\$197,361	\$1,272,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ENVIRONMENTAL HEALTH	93.113	R01ES022966				\$207,962	\$1,272,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ENVIRONMENTAL HEALTH	93.113	R01ES025547			\$6,010	\$428,197	\$1,272,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ENVIRONMENTAL HEALTH	93.113	R01ES026200				\$304,211	\$1,272,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ENVIRONMENTAL HEALTH	93.113	R13ES031477			\$8,000	\$8,000	\$1,272,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ENVIRONMENTAL HEALTH	93.113		GEORGETOWN UNIVERSITY	CON-0011846		\$126,349	\$1,272,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ORAL DISEASES AND DISORDERS RESEARCH	93.121	F32DE029104				\$56,576	\$2,406,132	RESEARCH AND DEVELOPMENT	\$178,747,631
ORAL DISEASES AND DISORDERS RESEARCH	93.121	R01DE007389			\$199,811	\$670,587	\$2,406,132	RESEARCH AND DEVELOPMENT	\$178,747,631
ORAL DISEASES AND DISORDERS RESEARCH	93.121	R01DE023342			\$16,323	\$141,683	\$2,406,132	RESEARCH AND DEVELOPMENT	\$178,747,631
ORAL DISEASES AND DISORDERS RESEARCH	93.121	R01DE024732			\$192,203	\$488,499	\$2,406,132	RESEARCH AND DEVELOPMENT	\$178,747,631
ORAL DISEASES AND DISORDERS RESEARCH	93.121	R01DE027049				\$371,601	\$2,406,132	RESEARCH AND DEVELOPMENT	\$178,747,631
ORAL DISEASES AND DISORDERS RESEARCH	93.121	R01DE027879			\$8,495	\$492,914	\$2,406,132	RESEARCH AND DEVELOPMENT	\$178,747,631
ORAL DISEASES AND DISORDERS RESEARCH	93.121	UH2DE025510				\$17,663	\$2,406,132	RESEARCH AND DEVELOPMENT	\$178,747,631
ORAL DISEASES AND DISORDERS RESEARCH	93.121		WASHINGTON UNIVERSITY	WU-17-285		\$166,609	\$2,406,132	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSE ANESTHETIST TRAINEESHIPS	93.124	A22HP31006				\$22,301	\$22,301	N/A	\$0
EMERGENCY MEDICAL SERVICES FOR CHILDREN	93.127	H33MC31623				\$105,736	\$105,736	N/A	\$0
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380237					
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH1925A0001		\$113,419	\$201,161	N/A	\$0
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH210048770					
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		JOHNS HOPKINS UNIVERSITY	2004039536		\$86,542	\$201,161	RESEARCH AND DEVELOPMENT	\$178,747,631
INJURY PREVENTION AND CONTROL RESEARCH AND STATE AND COMMUNITY BASED PROGRAMS	93.136		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH170018005		\$1,200	\$201,161	RESEARCH AND DEVELOPMENT	\$178,747,631
COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM	93.137	CPIMP151115			\$84,205	\$528,950	\$555,427	N/A	\$0
COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM	93.137		BOYS AND GIRLS CLUBS OF GREATER ST. LOUIS	N/A		\$26,477	\$555,427	N/A	\$0
NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION	93.143	1R13ES029825-01				\$1,983	\$15,000	RESEARCH AND DEVELOPMENT	\$178,747,631
NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND EDUCATION	93.143	1R13ES031014-01				\$13,017	\$15,000	RESEARCH AND DEVELOPMENT	\$178,747,631
AIDS EDUCATION AND TRAINING CENTERS	93.145		UNIVERSITY OF ILLINOIS AT CHICAGO	17460-00					
AIDS EDUCATION AND TRAINING CENTERS	93.145		UNIVERSITY OF ILLINOIS AT CHICAGO	A17460-01		\$10,907	\$29,031	N/A	\$0
AIDS EDUCATION AND TRAINING CENTERS	93.145		UNIVERSITY OF ILLINOIS SYSTEM	17461-00		\$9,942	\$29,031	N/A	\$0
AIDS EDUCATION AND TRAINING CENTERS	93.145		UNIVERSITY OF ILLINOIS SYSTEM	17461-01		\$8,182	\$29,031	RESEARCH AND DEVELOPMENT	\$178,747,631
RURAL HEALTH RESEARCH CENTERS	93.155	P13RH33181				\$77,044	\$77,044	N/A	\$0
HUMAN GENOME RESEARCH	93.172	R56HG009338				-\$8,323	\$4,585	RESEARCH AND DEVELOPMENT	\$178,747,631

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HUMAN GENOME RESEARCH	93.172		UNIVERSITY OF WASHINGTON	UWSC11331		\$12,908	\$4,585	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	R01DC018026				\$247,096	\$605,253	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	R15DC015335				\$4,832	\$605,253	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	R15DC016383			\$9,098	\$147,381	\$605,253	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	R21DC016071			\$6,982	\$188,508	\$605,253	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173		ARIZONA STATE UNIVERSITY	ASUB00000119		\$17,436	\$605,253	RESEARCH AND DEVELOPMENT	\$178,747,631
DISABILITIES PREVENTION	93.184		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380030				N/A	\$0
GRADUATE PSYCHOLOGY EDUCATION PROGRAM AND PATIENT NAVIGATOR AND CHRONIC DISEASE PREVENTION PROGRAM	93.191	D40HP33369				\$91,035	\$91,035	N/A	\$0
TELEHEALTH PROGRAMS	93.211		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC	Z1N00032				N/A	\$0
TELEHEALTH PROGRAMS	93.211		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE, INC	Z1N00033		\$112,286	\$135,791	N/A	\$0
TELEHEALTH PROGRAMS	93.211		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	Z1N00050		\$23,505	\$135,791	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213	K01AT009373				\$41,916	\$143,031	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE HEALTH	93.213	R21AT009086				\$101,115	\$143,031	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	R01HS022497			\$8,755	\$256,263	\$850,021	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	R01HS023328			\$66,395	\$383,527	\$850,021	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226	R24HS022140			\$487	\$43,522	\$850,021	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		COLUMBIA UNIVERSITY	1(GG014728-01		\$62,637	\$850,021	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		OREGON HEALTH SCIENCE UNIVERSITY	1005865_CUMISSOURI		\$13,473	\$850,021	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		RUTGERS UNIVERSITY	1350		\$73,229	\$850,021	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226		UNIVERSITY OF PITTSBURGH	0042771(125364-2)		\$17,370	\$850,021	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL CENTER ON SLEEP DISORDERS RESEARCH	93.233	R01HL130984				\$361,925	\$361,925	RESEARCH AND DEVELOPMENT	\$178,747,631
TRAUMATIC BRAIN INJURY STATE DEMONSTRATION GRANT PROGRAM	93.234		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	9AOC19380032022222222222				N/A	\$0
TRAUMATIC BRAIN INJURY STATE DEMONSTRATION GRANT PROGRAM	93.234		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380032	\$11,599	\$94,967	\$94,967	N/A	\$0
AFFORDABLE CARE ACT (ACA) ABSTINENCE EDUCATION PROGRAM	93.235		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380071				N/A	\$0
AFFORDABLE CARE ACT (ACA) ABSTINENCE EDUCATION PROGRAM	93.235		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380144				N/A	\$0
AFFORDABLE CARE ACT (ACA) ABSTINENCE EDUCATION PROGRAM	93.235		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC20380010		\$56,460	\$56,460	N/A	\$0
STATE RURAL HOSPITAL FLEXIBILITY PROGRAM	93.241		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380163		\$6,644	\$6,644	N/A	\$0
MENTAL HEALTH RESEARCH GRANTS	93.242	R01MH061469				\$297,789	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242	R01MH099981			\$23,853	\$207,840	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242	R01MH108559			\$362,006	\$528,784	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242	R01MH113560			\$339,796	\$603,493	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242	R01MH114722			\$26,697	\$714,473	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242	R01MH122023			\$36,044	\$203,837	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242	R25MH109122				\$35,311	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242	R36MH115722				\$4,752	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		BRANDEIS UNIVERSITY	403000		\$135,336	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		EXOCYTRONICS LLC	00047734		\$18,256	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		FLORIDA STATE UNIVERSITY	R000002511		\$853	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		HENRY M JACKSON FOUNDATION	4367		\$784	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		LOUISIANA STATE UNIVERSITY	NURS-18-117-002		-\$20,797	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		NEUROLUX INC	N/A		\$54,820	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		QUADRANT BIOSCIENCES INC	1293481860000		\$100,507	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		RAND CORPORATION	SCON-00000032		\$11,707	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSITY OF CALIFORNIA SAN FRANCISCO	101815C		\$35,356	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSITY OF HAWAII	KA1083		-\$170	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSITY OF MINNESOTA	N006344501		\$39,152	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	5115585		\$22,643	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		VIRGINIA COMMONWEALTH UNIVERSITY	FP00006198_SA004		\$57,185	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENTAL HEALTH RESEARCH GRANTS	93.242		WASHINGTON UNIVERSITY	WU-19-324		\$20,769	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631

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SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	H79SP021253				\$264,093	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	H79SP081006			\$109,986	\$569,441	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	H79TI026013			\$7,256	\$20,699	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	H79TI082547				\$109,504	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	PROGRAM INCOME				\$160,596	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	TI026442				\$121,256	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	UR1TI080205			\$141,409	\$1,107,038	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		45TH JUDICIAL CIRCUIT OF MISSOURI	N/A		\$50,346	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		9TH JUDICIAL CIRCUIT OF MISSOURI	N/A		\$46,435	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		AMERICAN ACADEMY OF ADDICTION PSYCHIATRY	PCSSMAT19-5		\$62,574	\$5,845,727	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		\$11,588	\$5,845,727	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 DH180033001 N/A		\$153,713	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH						
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH						
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH						
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098					
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC16380080					
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380041					
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC17380042					
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC19380203					
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC20380004					
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC20380031	\$32,839	\$1,456,648	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		NATIONAL COUNCIL FOR BEHAVIORAL HEALTH	2650.0003		\$6,131	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		PREFERRED FAMILY HEALTHCARE	N/A		\$62,081	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		QUEEN OF PEACE CENTER	N/A		\$183,372	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		SAINT LOUIS MENTAL HEALTH BOARD	20-026SOC		\$34,190	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		ST. LOUIS COUNTY MISSOURI	3100 HU902		\$75,634	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		TRUMAN MEDICAL CENTER CORP	TMC-18-TI0808208					
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		TRUMAN MEDICAL CENTER CORP	TMC-19-TI080208		\$533,610	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		STANDOORD UNIVERSITY	61904509-137362		\$113,104	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	U79SM080025			\$62,498	\$656,608	\$5,845,727	RESEARCH AND DEVELOPMENT	\$178,747,631
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243		STANFORD UNIVERSITY	61904509-137362		\$47,066	\$5,845,727	RESEARCH AND DEVELOPMENT	\$178,747,631
ADVANCED NURSING EDUCATION GRANT PROGRAM	93.247	T94HP31877				\$572,017	\$572,017	N/A	\$0
FAMILY PLANNING_PERSONNEL TRAINING	93.260	FPTPA006029				\$972,458	\$1,051,335	N/A	\$0
FAMILY PLANNING_PERSONNEL TRAINING	93.260	NCTCFP PROGRAM INCOME				\$78,877	\$1,051,335	N/A	\$0



**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
			UNIVERSITY OF NEBRASKA MEDICAL CENTER						
			UNIVERSITY OF NEBRASKA MEDICAL CENTER						
			UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-128					
			UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-129					
			UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-208					
			UNIVERSITY OF NEBRASKA MEDICAL CENTER	34-5420-2006-209					
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262					\$26,150	\$26,150	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSE FACULTY LOAN PROGRAM (NFLP)	93.264					\$3,497,917	\$3,497,917	STUDENT FINANCIAL ASSISTANCE	\$466,400,116
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	PH200048223		\$12,039	\$12,039	N/A	\$0
IMMUNIZATION COOPERATIVE AGREEMENTS	93.268								
ALCOHOL RESEARCH PROGRAMS	93.273	F31AA026177				\$40,111	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	F31AA026207				\$30,382	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	F31AA027162				\$28,211	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	F31AA027957				\$27,292	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	F31AA027958				\$23,886	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	K23AA026895				\$159,941	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	K25AA024182				\$95,773	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	K99AA025998				\$119,432	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	R01AA019546				\$567,896	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	R01AA020806				\$125,983	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	R01AA021510			\$15,301	\$431,826	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	R01AA022108				\$224,144	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	R01AA024133				\$355,282	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	R01AA025451				\$508,939	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	R01AA028175				\$267,017	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	R21AA025715			\$41,954	\$191,425	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	R25AA023687				\$87,232	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273	T32AA013526				\$357,600	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273		PURDUE UNIVERSITY	11000771-004		\$62,223	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
ALCOHOL RESEARCH PROGRAMS	93.273		WASHINGTON UNIVERSITY	WU-17-150		\$40,724	\$3,745,319	RESEARCH AND DEVELOPMENT	\$178,747,631
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	R01DA010355				\$16	\$146,951	RESEARCH AND DEVELOPMENT	\$178,747,631
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	R03DA042183				\$24,828	\$146,951	RESEARCH AND DEVELOPMENT	\$178,747,631
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279	R21DA039818				\$16,699	\$146,951	RESEARCH AND DEVELOPMENT	\$178,747,631
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279		REAL PREVENTION LLC	N/A		\$1,503	\$146,951	RESEARCH AND DEVELOPMENT	\$178,747,631
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279		RUTGERS UNIVERSITY	1280		\$47,389	\$146,951	RESEARCH AND DEVELOPMENT	\$178,747,631
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZAN00050		\$50,142	\$146,951	RESEARCH AND DEVELOPMENT	\$178,747,631
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93.279		UNIVERSITY OF MARYLAND	R01DA042748		\$6,374	\$146,951	RESEARCH AND DEVELOPMENT	\$178,747,631
CENTERS FOR DISEASE CONTROL AND PREVENTION, INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283		WASHINGTON UNIVERSITY	WU-19-143					
			WASHINGTON UNIVERSITY	WU-20-19		\$118,974	\$118,974	RESEARCH AND DEVELOPMENT	\$178,747,631
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286	R01EB020415				\$194,031	\$575,975	RESEARCH AND DEVELOPMENT	\$178,747,631
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286	R21EB025272				\$202,769	\$575,975	RESEARCH AND DEVELOPMENT	\$178,747,631
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286	R21EB026560				\$132,493	\$575,975	RESEARCH AND DEVELOPMENT	\$178,747,631
DISCOVERY AND APPLIED RESEARCH FOR TECHNOLOGICAL INNOVATIONS TO IMPROVE HUMAN HEALTH	93.286		WASHINGTON UNIVERSITY	WU-20-282		\$46,682	\$575,975	RESEARCH AND DEVELOPMENT	\$178,747,631
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307	F31MD012751				\$39,351	\$86,049	RESEARCH AND DEVELOPMENT	\$178,747,631
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307		RAND CORPORATION	SCON-00000079		\$46,698	\$86,049	RESEARCH AND DEVELOPMENT	\$178,747,631
TRANS-NIH RESEARCH SUPPORT	93.310	U01HL152410			\$6,778	\$134,469	\$1,569,168	RESEARCH AND DEVELOPMENT	\$178,747,631
TRANS-NIH RESEARCH SUPPORT	93.310	U01GM120673			\$34,356	\$469,429	\$1,569,168	RESEARCH AND DEVELOPMENT	\$178,747,631
TRANS-NIH RESEARCH SUPPORT	93.310	U42OD027090				\$881,907	\$1,569,168	RESEARCH AND DEVELOPMENT	\$178,747,631
TRANS-NIH RESEARCH SUPPORT	93.310		OREGON HEALTH SCIENCE UNIVERSITY	1012396_UMISSOURI		\$58,584	\$1,569,168	RESEARCH AND DEVELOPMENT	\$178,747,631
TRANS-NIH RESEARCH SUPPORT	93.310		UNIVERSITY OF FLORIDA	SUB00002079		\$24,779	\$1,569,168	RESEARCH AND DEVELOPMENT	\$178,747,631
DIETARY SUPPLEMENT RESEARCH PROGRAM	93.321	R01EY023219				\$65,047	\$118,904	RESEARCH AND DEVELOPMENT	\$178,747,631
DIETARY SUPPLEMENT RESEARCH PROGRAM	93.321	R01EY030081				\$53,857	\$118,904	RESEARCH AND DEVELOPMENT	\$178,747,631
EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	93.323		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380151		\$76,503	\$87,283	N/A	\$0
EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	93.323		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380254		\$10,780	\$87,283	RESEARCH AND DEVELOPMENT	\$178,747,631
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342					\$19,005,481	\$19,005,481	STUDENT FINANCIAL ASSISTANCE	\$466,400,116
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	R21TR002277			\$121,162	\$155,429	\$918,652	RESEARCH AND DEVELOPMENT	\$178,747,631

UNIVERSITY OF MISSOURI SYSTEM  
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			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE						
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE						
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE						
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE						
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPBT0010					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPBU00016					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPBU00014					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPBU00016					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPBU00012					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPBU00022					
			UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPBU00023					
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPBU00026	\$69,618	\$280,801	\$918,652	RESEARCH AND DEVELOPMENT	\$178,747,631
			WASHINGTON UNIVERSITY	WU-18-372					
			WASHINGTON UNIVERSITY	WU-18-373					
			WASHINGTON UNIVERSITY	WU-18-374					
			WASHINGTON UNIVERSITY	WU-18-375					
			WASHINGTON UNIVERSITY	WU-19-333					
			WASHINGTON UNIVERSITY	WU-19-346					
			WASHINGTON UNIVERSITY	WU-19-347					
			WASHINGTON UNIVERSITY	WU-19-348					
			WASHINGTON UNIVERSITY	WU-19-349					
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350		WASHINGTON UNIVERSITY	WU-19-360		\$151,457	\$918,652	RESEARCH AND DEVELOPMENT	\$178,747,631
			WASHINGTON UNIVERSITY	WU-19-368					
			WASHINGTON UNIVERSITY	WU-19-389					
			WASHINGTON UNIVERSITY	WU-19-396					
			WASHINGTON UNIVERSITY	WU-19-429					
			WASHINGTON UNIVERSITY	WU-20-451					
			WASHINGTON UNIVERSITY	WU-20-506					
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350		WASHINGTON UNIVERSITY	WU-20-521		\$330,965	\$918,652	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	K01OD019924				\$158,454	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	P40OD011062				\$1,689,811	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	R03OD028259				\$9,746	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	R24OD011198				\$112,847	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	T32OD011126				\$217,612	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	U42OD010918				\$1,601,600	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	U42OD011140				\$2,123,473	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		CRYOCRATE LLC	001					
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		CRYOCRATE LLC	N/A		\$274,742	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		JACKSON LABORATORY	210265-0320-03		\$15,502	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		UNIVERSITY OF SOUTHERN CALIFORNIA	92097662		\$18,415	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		VIRGINIA TECH	432076-19228		\$32,841	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT	93.353	U01CA244314				\$478,400	\$495,767	RESEARCH AND DEVELOPMENT	\$178,747,631
21ST CENTURY CURES ACT - BEAU BIDEN CANCER MOONSHOT	93.353		WASHINGTON UNIVERSITY	WU-20-332		\$17,367	\$495,767	RESEARCH AND DEVELOPMENT	\$178,747,631
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES						
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES						
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380115					
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380260					
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380269					
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH190031001		\$163,123	\$163,123	N/A	\$0
NURSE EDUCATION, PRACTICE QUALITY AND RETENTION GRANTS	93.359	UD7HP28690				-\$42	-\$42	N/A	\$0
BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360		KANSAS DEPARTMENT FOR CHILDREN AND FAMILIES	KCDD-2019-CLCSN-01		\$39,726	\$139,293	N/A	\$0
BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360	1DSEP190056-01-00				\$17,606	\$139,293	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL ADVANCED RESEARCH AND DEVELOPMENT AUTHORITY (BARDA), BIODEFENSE MEDICAL COUNTERMEASURE DEVELOPMENT	93.360		STRATATECH CORPORATION	STRATA2016		\$81,961	\$139,293	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361	R01NR015314			\$103,294	\$247,960	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361	9R01NR016423				\$654,717	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361	F31NR018574				\$20,706	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361	R01NR017168			\$104,441	\$630,756	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
NURSING RESEARCH	93.361	T32NR015426				\$218,194	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361		GEEKS AND NERDS	2019-001		\$54,086	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361		PERCEPTIMED INC	N/A		\$4	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361		STOECKER AND ASSOCIATES	1R41NR018126-01		\$77,383	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361		UNIVERSITY OF CALIFORNIA SAN FRANCISCO	8648		\$9,717	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361		UNIVERSITY OF PENNSYLVANIA	573708		\$84,813	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361		WASHINGTON UNIVERSITY SCHOOL OF MEDICINE	WU-16-301		\$4,422	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361		WASHINGTON UNIVERSITY	WU-15-341					
NURSING RESEARCH	93.361		WASHINGTON UNIVERSITY	WU-17-77		\$3,070	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING STUDENT LOANS	93.364					\$1,893,628	\$1,893,628	STUDENT FINANCIAL ASSISTANCE	\$466,400,116
SICKLE CELL TREATMENT DEMONSTRATION PROGRAM	93.365		WASHINGTON UNIVERSITY	WU-19-160		\$908		N/A	\$0
NATIONAL CENTER FOR RESEARCH RESOURCES	93.389		TEXAS STATE UNIVERSITY	19018-81699-1		\$54,911	\$54,911	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER CAUSE AND PREVENTION RESEARCH	93.393	R01CA203999			\$267,409	\$776,752	\$862,431	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER CAUSE AND PREVENTION RESEARCH	93.393	R03CA216160				\$51,193	\$862,431	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER CAUSE AND PREVENTION RESEARCH	93.393		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE INC	ZAR00070		\$14,221	\$862,431	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER CAUSE AND PREVENTION RESEARCH	93.393		UNIVERSITY OF SOUTH CAROLINA	18-3693		-\$132	\$862,431	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER CAUSE AND PREVENTION RESEARCH	93.393		UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0012186A					
CANCER CAUSE AND PREVENTION RESEARCH	93.393		UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER AT HOUSTON	0012844B		\$12,718	\$862,431	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER CAUSE AND PREVENTION RESEARCH	93.393		WASHINGTON UNIVERSITY	WU-20-9		\$7,679	\$862,431	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	1R03CA219337-01A1				\$63,673	\$87,300	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394		MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD526771		\$11,549	\$87,300	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394		SURGISENSE CORPORATION	N/A		\$12,078	\$87,300	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395	R01CA190265				\$139,129	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395	R01CA208396			\$139,209	\$613,849	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395	R01CA222293			\$46,949	\$299,099	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395	R01CA231099				\$425,231	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395	R15CA224033				\$110,149	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395		ALLIANCE FOR CLINICAL TRIALS IN ONCOLOGY	MO036		\$78,982	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395		CHILDRENS HOSPITAL OF PHILADELPHIA						
CANCER TREATMENT RESEARCH	93.395		CHILDRENS HOSPITAL OF PHILADELPHIA						
CANCER TREATMENT RESEARCH	93.395		CHILDRENS HOSPITAL OF PHILADELPHIA	9500080215-12C					
CANCER TREATMENT RESEARCH	93.395		CHILDRENS HOSPITAL OF PHILADELPHIA	FP_00026529_SUB615_01					
CANCER TREATMENT RESEARCH	93.395		CHILDRENS HOSPITAL OF PHILADELPHIA	FP_00026529_SUB615_01					
CANCER TREATMENT RESEARCH	93.395		ONCOVIR INC	NCORP FP00017458_SUB142		\$3,329	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395		UNIVERSITY OF OKLAHOMA	RV20151703-01		-\$22,737	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER BIOLOGY RESEARCH	93.396	R01CA160461				\$10,025	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER BIOLOGY RESEARCH	93.396	R33CA228979			\$26,195	\$2,700	\$537,610	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER BIOLOGY RESEARCH	93.396		UNIVERSITY OF GEORGIA	RR571-424/S001502		\$489,233	\$537,610	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER BIOLOGY RESEARCH	93.396		MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER			\$45,677	\$537,610	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER CENTERS SUPPORT GRANTS	93.397		MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD518793E					
CANCER CENTERS SUPPORT GRANTS	93.397		MEMORIAL SLOAN-KETTERING INSTITUTE FOR CANCER	BD518793F		\$149,862	\$149,862	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER CONTROL	93.399		CHILDRENS HOSPITAL OF PHILADELPHIA	FP00028127_SUB51_01		\$843	\$843	RESEARCH AND DEVELOPMENT	\$178,747,631
STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT THE NATIONS HEALTH	93.421		ASSOCIATION OF UNIVERSITY OF CENTERS ON DISABILITIES	N/A		\$3,858	\$3,858	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	AOC19380226		\$11,046	\$52,362	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	AOC18380299					
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	AOC19380241	\$300	\$41,316	\$52,362	RESEARCH AND DEVELOPMENT	\$178,747,631
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433	90DP0093-03				\$564,695	\$1,522,478	N/A	\$0
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433	90DP0093-04				\$952,783	\$1,522,478	N/A	\$0

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND REHABILITATION RESEARCH	93.433		NATIONAL DISABILITY INSTITUTE	ABLE-DRRP		\$5,000	\$1,522,478	N/A	\$0
EVERY STUDENT SUCCEEDS ACT/PRESCHOOL DEVELOPMENT GRANTS	93.434		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A	\$430,866	\$3,433,014	\$3,467,463	N/A	\$0
EVERY STUDENT SUCCEEDS ACT/PRESCHOOL DEVELOPMENT GRANTS	93.434		MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY EDUCATION	N/A		\$34,449	\$3,467,463	RESEARCH AND DEVELOPMENT	\$178,747,631
WELL-INTEGRATED SCREENING AND EVALUATION FOR WOMEN ACROSS THE NATION (WISEWOMAN)	93.436		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	DH190033001		\$17,207	\$17,207	N/A	\$0
STATE PHYSICAL ACTIVITY AND NUTRITION (SPAN)	93.439		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380137		\$213,415	\$213,415	N/A	\$0
ASSISTIVE TECHNOLOGY ALTERNATIVE FINANCING PROGRAM	93.469		MISSOURI ASSISTIVE TECH COUNCIL	AOC19380202	\$35,522	\$4,908	\$4,908	N/A	\$0
FAMILY TO FAMILY HEALTH INFORMATION CENTERS	93.504	H84MC09484		N/A		\$95,101	\$95,101	N/A	\$0
PROMOTING SAFE AND STABLE FAMILIES	93.556		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC20380011		\$444,903	\$444,903	N/A	\$0
TEMPORARY ASSISTANCE FOR NEEDY FAMILIES	93.558		COMMUNITY CARING COUNCIL	N/A		\$4,999	\$4,999	RESEARCH AND DEVELOPMENT	\$178,747,631
COMMUNITY SERVICES BLOCK GRANT	93.569		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC20380048	\$25,638	\$336,849	\$336,849	N/A	\$0
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575		COLUMBIA PUBLIC SCHOOLS	N/A		\$63,683	\$2,250,074	CCDF CLUSTER	\$2,250,074
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC14380146					
			MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC15380293					
			MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC19380083		\$2,186,391	\$2,250,074	CCDF CLUSTER	\$2,250,074
REFUGEE AND ENTRANT ASSISTANCE_DISCRETIONARY GRANTS	93.576		INTERNATIONAL INSTITUTE OF ST. LOUIS	N/A		\$4,048	\$4,048	N/A	\$0
HEAD START	93.600	07CD4026-04-00				\$116,488	\$170,631	N/A	\$0
HEAD START	93.600	07CD4026-05-00				\$54,143	\$170,631	N/A	\$0
AFFORDABLE CARE ACT INITIATIVE TO REDUCE AVOIDABLE HOSPITALIZATIONS AMONG NURSING FACILITY RESIDENTS	93.621	1E1CMS331489			\$568,473	\$4,746,614	\$4,746,614	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630		INDIANA GOVERNMENT	CONTRACT #41727		\$3,790	\$171,627	N/A	\$0
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC11380081					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	PGA010-08001					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	PGA010-20002					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	PGA010-20003		\$101,964	\$171,627	N/A	\$0
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY GRANTS	93.630		MISSOURI DEVELOPMENTAL DISABILITIES COUNCIL	PGA010-19001	\$20,390	\$65,873	\$171,627	N/A	\$0
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	90DNDM0001			\$7,961	\$40,204	\$505,014	N/A	\$0
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	90DNIQ000701			\$34,227	\$143,036	\$505,014	N/A	\$0
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	90DNIQ000702			\$15,953	\$275,167	\$505,014	N/A	\$0
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631		SELF ADVOCATES BECOMING EMPOWERED	SABE-SARTAC 2016-2021		\$46,607	\$505,014	N/A	\$0
UNIVERSITY CENTERS FOR EXCELLENCE IN DEVELOPMENTAL DISABILITIES EDUCATION, RESEARCH, AND SERVICE	93.632	90DDUC0037				\$567,784	\$567,784	N/A	\$0
ACA-TRANSFORMING CLINICAL PRACTICE INITIATIVE: SUPPORT AND ALIGNMENT NETWORKS (SANS)	93.639		AMERICAN BOARD OF FAMILY MEDICINE	N/A		\$37,880	\$37,880	N/A	\$0
CHILD ABUSE AND NEGLECT DISCRETIONARY ACTIVITIES	93.670		MISSOURI DEPARTMENT OF SOCIAL SERVICES	PG271500015		\$312	\$312	N/A	\$0
MEDICAL STUDENT EDUCATION	93.680	T99HP33557			\$99,474	\$581,484	\$581,484	N/A	\$0
MENTAL AND BEHAVIORAL HEALTH EDUCATION AND TRAINING GRANTS	93.732	M01HP31366				\$507,257	\$507,257	N/A	\$0
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	90CSSG0010-01-00			\$8,397	\$26,409	\$32,709	N/A	\$0
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		MISSOURI ASSOCIATION OF AREA AGENCIES ON AGING	N/A		\$6,300	\$32,709	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
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 ALASKAS HEALTH AND SOCIAL SERVICES	0618-059		-\$15	-\$15	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 DH200048230 DH200048234		\$46,547	\$46,547	N/A	\$0
EVIDENCE-BASED FALLS PREVENTION PROGRAMS FINANCED SOLELY BY PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.761		OASIS INSTITUTE	N/A		\$71,184	\$71,184	N/A	\$0
ALZHEIMER'S DISEASE INITIATIVE: SPECIALIZED SUPPORTIVE SERVICES PROJECT (ADI-SSS) THRU PREVENTION AND PUBLIC HEALTH FUNDS (PPHF)	93.763		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE INC	Z1V00000		\$60,779	\$60,779	RESEARCH AND DEVELOPMENT	\$178,747,631
MEDICAL ASSISTANCE PROGRAM	93.778		MARYLAND DEPARTMENT OF HEALTH	19-18320-G		\$48	\$1,120,441	MEDICAID CLUSTER	\$1,120,441
MEDICAL ASSISTANCE PROGRAM	93.778		MISSOURI COALITION OF COMM MENTAL HEALTH CTRS	N/A		\$229,040	\$1,120,441	MEDICAID CLUSTER	\$1,120,441
			MISSOURI DEPARTMENT OF MENTAL HEALTH						
			MISSOURI DEPARTMENT OF MENTAL HEALTH						
			MISSOURI DEPARTMENT OF MENTAL HEALTH						
			MISSOURI DEPARTMENT OF MENTAL HEALTH						
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC02380105 AOC11380234 TA19906 AOC16380086 AOC18380066 AOC20380006 DMH205001 ER019912005 ER019918017					
MEDICAL ASSISTANCE PROGRAM	93.778		MISSOURI DEPARTMENT OF MENTAL HEALTH			\$888,853	\$1,120,441	MEDICAID CLUSTER	\$1,120,441
MEDICAL ASSISTANCE PROGRAM	93.778		STATE OF SOUTH DAKOTA DEPARTMENT OF HEALTH	20SC191054		\$2,500	\$1,120,441	MEDICAID CLUSTER	\$1,120,441
			MISSOURI DEPARTMENT OF SOCIAL SERVICES						
CENTERS FOR MEDICARE AND MEDICAID SERVICES (CMS) RESEARCH, DEMONSTRATIONS AND EVALUATIONS	93.779		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC11380275 AOC11380275		\$80,245	\$80,245	N/A	\$0
			AMERICAN ACADEMY OF ADDITION PSYCHIATRY						
			AMERICAN ACADEMY OF ADDITION PSYCHIATRY						
			AMERICAN ACADEMY OF ADDITION PSYCHIATRY						
			AMERICAN ACADEMY OF ADDITION PSYCHIATRY	1H79T080816 STATES 16-1 STATES 18-1-S2 STATES-16-1 STATES-18-1-S1 STATES-19-1-S1					
OPIOID STR	93.788		AMERICAN ACADEMY OF ADDITION PSYCHIATRY		\$3,301,835	\$5,161,902	\$7,258,063	N/A	\$0
OPIOID STR	93.788		IOWA STATE UNIVERSITY	SCN-1009584		\$6,701	\$7,258,063	N/A	\$0
			MISSOURI DEPARTMENT OF MENTAL HEALTH						
			MISSOURI DEPARTMENT OF MENTAL HEALTH						
OPIOID STR	93.788		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098 AOC17380119 AOC19380207		\$686,433	\$2,089,460	N/A	\$0
MONEY FOLLOWS THE PERSON REBALANCING DEMONSTRATION	93.791		MISSOURI DEPARTMENT OF SOCIAL SERVICES	AOC11380275		\$64,525	\$64,525	N/A	\$0
DOMESTIC EBOLA SUPPLEMENT TO THE EPIDEMIOLOGY AND LABORATORY CAPACITY FOR INFECTIOUS DISEASES (ELC)	93.815		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380151		\$2,666	\$2,666	N/A	\$0
HEALTH CAREERS OPPORTUNITY PROGRAM	93.822	D18HP32133				\$506,397	\$506,397	N/A	\$0
CAPACITY BUILDING ASSISTANCE (CBA) FOR HIGH-IMPACT HIV PREVENTION	93.834	19NU65PS923671			\$201,055	\$432,510	\$438,035	N/A	\$0
CAPACITY BUILDING ASSISTANCE (CBA) FOR HIGH-IMPACT HIV PREVENTION	93.834	NU65PS923671				\$5,525	\$438,035	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
CARDIOVASCULAR DISEASES RESEARCH	93.837	F31HL140858				\$3,657	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	F31HL147559				\$26,029	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	K01HL142944				\$36,460	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	K08HL129074				\$168,737	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	K08HL132012				\$162,417	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	K99HL141143				\$90,927	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R00HL129196				\$248,169	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R00HL130339				\$190,069	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R00HL134823			\$77,889	\$117,586	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL070241				\$6,460	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL088105				\$259,815	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL094404				\$27,222	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL098602				\$358,577	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL112998				\$9,785	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL116525				\$44	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL118376				\$26,044	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL119053				\$71,659	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL120867				\$74,008	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL122578				\$269,127	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL123302				\$113,878	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL124155				\$294,896	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL125608				\$15,451	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL126916				\$138,869	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL132836				\$353,455	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL135854				\$110,761	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL136292				\$393,338	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL136386			\$101,980	\$532,523	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL136710				\$394,603	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL136746			\$34,674	\$485,628	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL137769				\$358,397	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL138988			\$10,592	\$10,592	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL139523			\$43,726	\$335,766	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL141107				\$406,029	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL142133			\$148,669	\$468,242	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL142770				\$576,029	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL147313				\$195,945	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL148196				\$461,209	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R37HL041026				\$23,282	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R56HL140548				\$728,883	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	T32HL110837			\$31,644	\$332,395	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		BRIGHAM AND WOMENS HOSPITAL	PS# 107223		\$850	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		DUKE UNIVERSITY	203-8480		\$43,335	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		NANOVA INC	0050018		\$297,445	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		OHIO STATE UNIVERSITY	60067403		\$5,093	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		REGENCOR INC	N/A		\$87,571	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		TUFTS UNIVERSITY	5016780-SERV		\$143,395	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		TULANE UNIVERSITY	TUL-HSC-556694-18/19		\$10,566	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		TEXAS A&M UNIVERSITY	23-5152308/M1500033		\$26,707	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		UNIVERSITY OF MINNESOTA	P007129102		\$1,539	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		UNIVERSITY OF ROCHESTER	417457G/UR FAO GRS10850		\$2,557	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		WASHINGTON UNIVERSITY	WU-16-41					
CARDIOVASCULAR DISEASES RESEARCH	93.837		WASHINGTON UNIVERSITY	WU-18-433		\$262,666	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
LUNG DISEASES RESEARCH	93.838	R01HL128454	INDIANA UNIVERSITY	IN468778JUMKC	\$84,159	\$10,345	\$722,073	N/A	\$0
LUNG DISEASES RESEARCH	93.838	R01HL152288				\$385,860	\$722,073	RESEARCH AND DEVELOPMENT	\$178,747,631
LUNG DISEASES RESEARCH	93.838					\$16,054	\$722,073	RESEARCH AND DEVELOPMENT	\$178,747,631
LUNG DISEASES RESEARCH	93.838		UNIVERSITY OF IOWA	500313-01					
LUNG DISEASES RESEARCH	93.838		UNIVERSITY OF IOWA	500313-02					
LUNG DISEASES RESEARCH	93.838		UNIVERSITY OF IOWA	500649-01		\$239,848	\$722,073	RESEARCH AND DEVELOPMENT	\$178,747,631
LUNG DISEASES RESEARCH	93.838		UNIVERSITY OF VIRGINIA	GB10393 154878		\$28,619	\$722,073	RESEARCH AND DEVELOPMENT	\$178,747,631
LUNG DISEASES RESEARCH	93.838		XEMED LLC	2R44HL117337-3_MU		\$41,347	\$722,073	RESEARCH AND DEVELOPMENT	\$178,747,631
BLOOD DISEASES AND RESOURCES RESEARCH	93.839	K99HL143198				\$76,148	\$110,142	RESEARCH AND DEVELOPMENT	\$178,747,631
BLOOD DISEASES AND RESOURCES RESEARCH	93.839		OHIO STATE UNIVERSITY	60067293		\$33,994	\$110,142	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	R01AR055927			\$24,138	\$196,716	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	R01AR067450				\$332,361	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	R01AR070517			\$13,634	\$626,729	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	R15AR072344				\$102,958	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	R21AR071563			\$2,605	\$6,554	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	R21AR075160				\$31,477	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	R34AR074209				\$280,019	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		COLUMBIA UNIVERSITY	1(GG012259)		\$267,942	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		COLUMBIA UNIVERSITY	1(GG012460)		\$89,255	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		KANSAS STATE UNIVERSITY	S19049		\$6,069	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF SOUTH FLORIDA	6163-1050-00-X		\$40,855	\$3,945,136	N/A	\$0
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	DP3DK106921				\$255,955	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	F32DK116608				\$62,005	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	K08DK115886				\$169,207	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	R01DK055835			\$12,025	\$340,374	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	R01DK095501				-\$115	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	R01DK101513			\$40,000	\$483,037	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	R01DK113701				\$734,309	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	R01DK116859				\$378,365	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	R01DK124664				\$70,435	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	R21DK116081				\$250,289	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	R56DK115441			\$4,815	\$219,493	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847	UC4DK096587				\$510,998	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		CASE WESTERN UNIVERSITY	RESS12836					
			CASE WESTERN UNIVERSITY	RESS13281					
			CASE WESTERN UNIVERSITY	RESS14009					
			CASE WESTERN UNIVERSITY	RESS1448		\$154,794	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		COLUMBIA UNIVERSITY	3(GG014693-01)		\$54,698	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		INDIANA UNIVERSITY	BL-4645315-UM		-\$16	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		KANSAS UNIVERSITY POLYSCYSTIC KIDNEY DISEASE CENTER	ZPC00008		\$21,399	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		MAYO CLINIC	UNI-203449		\$20,723	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		THE AMERICAN UROGYNECOLOGIC SOCIETY	N/A		\$415	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF MICHIGAN	SUBK00007925		\$21,321	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		UNIVERSITY OF SOUTH FLORIDA	6163-1042-00-X					
			UNIVERSITY OF SOUTH FLORIDA	TRIALNET SITE #224		-\$6,368	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		VANDERBILT UNIVERSITY	UNIV60430		\$21,470	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847		WASHINGTON UNIVERSITY	WU-17-184					
			WASHINGTON UNIVERSITY	WU-19-177		\$141,493	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R01NS057194				\$43,299	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R01NS069726				\$303,785	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R01NS090634				\$364,492	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R01NS094539				\$440,044	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R01NS110915				\$461,129	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R01NS113765				\$15,872	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R15NS091914				\$60,499	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R15NS108371				\$171,906	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R21NS103028				\$93,190	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R21NS106490				\$154,729	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R21NS108367				\$153,157	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853	R21NS109762				\$118,906	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		INDIANA UNIVERSITY	IN-4683139-UM		\$48,108	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		SHIFT PHARMACEUTICALS	N/A		\$52,525	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631





**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R25GM056901				\$575,433	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R25GM064120				\$307,422	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R35GM122564			\$82,180	\$588,167	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R35GM126985				\$317,395	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R35GM134919				\$36,111	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R35GM136409				\$8,410	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R37GM029963				\$455,014	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	T32GM008396				\$262,367	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	T32GM135744				\$15,004	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R25GM129228			\$28,942	\$260,720	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		EMORY UNIVERSITY	7951652		\$84,361	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		PURDUE UNIVERSITY	1100088-012		\$7,122	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		ST. LOUIS UNIVERSITY	43216		\$15,811	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		SUBSTRATE INTERACTIVE INC	0061552		\$20,998	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		UNIVERSITY OF KANSAS CITY MEDICAL CENTER RESEARCH INSTITUTE INC						
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		UNIVERSITY OF KANSAS CITY MEDICAL CENTER RESEARCH INSTITUTE INC	Z9B000N0					
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		UNIVERSITY OF KANSAS CITY MEDICAL CENTER RESEARCH INSTITUTE INC	ZAF00010		\$13,211	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		VIRGINIA TECH	432054-19228		\$61,952	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		VANDERBILT UNIVERSITY	UNIV61126		\$16,414	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	F31HD091939				\$39,978	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	F31HD097079				\$32,712	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	K12HD000849			\$996,993	\$1,219,514	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R01HD021338				\$456,339	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R01HD084353				\$301,589	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R01HD087231				\$518,079	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R01HD092254				\$407,762	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R01HD094937			\$40,226	\$532,631	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R01HD096266				\$207,868	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R01HD097283			\$19,273	\$593,281	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R03HD098555				\$17,189	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R21HD087589				-\$783	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R21HD099337				\$99,182	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865	R21HD100726				\$2,859	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		JOHNS HOPKINS UNIVERSITY	2002181008		\$35,294	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		LEHIGH UNIVERSITY	543567-78001		\$28,900	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		OREGON HEALTH SCIENCE UNIVERSITY	1007056_UMO		\$4,240	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		PENNSYLVANIA STATE UNIVERSITY	5976-UM-DHHS-8806		\$4,028	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		UNIVERSITY OF CALIFORNIA SAN FRANCISCO	103745C		\$123,052	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE INC	ZAK00010		\$5,178	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		UNIVERSITY OF PITTSBURGH	0053267 (12949-1)		\$155,722	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865		UNIVERSITY OF SOUTHERN CALIFORNIA	100324072					
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865					\$25,036	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866	R01AG048205				\$302,518	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866	R01AG059818				\$132,893	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866	R15AG053879				\$17,236	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866	R21AG061691				\$180,201	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866		INDIANA UNIVERSITY	IN4680040UM					
AGING RESEARCH	93.866		INDIANA UNIVERSITY	IN4688176UMKC		\$1,248,454	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866		NEW MEXICO UNIVERSITY	60040682 UMKC		\$10,498	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866		UNIVERSITY OF CALIFORNIA SAN FRANCISCO	119555C		\$334	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE INC	QS85528Y		\$7,016	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866		UNIVERSITY OF MICHIGAN	SUBK0009483		\$38,072	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH	93.866		WASHINGTON UNIVERSITY	WU-17-250		\$137,676	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	1R15EY029813-01A1				\$55,640	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY017294				\$231,223	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY023219				\$367,857	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY023968				\$156,196	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
VISION RESEARCH	93.867	R01EY024221				\$331,645	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY027824				\$434,059	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY028946				\$399,424	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY029795				\$203,260	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY030081				\$325,504	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY030747				\$296,019	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY030774				\$120,094	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R01EY031248				\$63,215	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R21EY029393				\$187,494	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R21EY030233				\$211,572	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867	R21EY030234				\$286,657	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH	93.867		UNIVERSITY OF NORTH TEXAS	1R01EY027005		-\$140	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT	93.870		CHILDRENS MERCY HOSPITAL CHILDRENS MERCY HOSPITAL	16-0011 18-0001		\$87,622	\$283,302	N/A	\$0
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING GRANT	93.870		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380106 AOC20380002		\$195,680	\$283,302	N/A	\$0
MEDICAL LIBRARY ASSISTANCE	93.879	R01LM012221				\$94,806	\$659,948	RESEARCH AND DEVELOPMENT	\$178,747,631
MEDICAL LIBRARY ASSISTANCE	93.879	R21LM012790				\$199,697	\$659,948	RESEARCH AND DEVELOPMENT	178747631
MEDICAL LIBRARY ASSISTANCE	93.879	T32LM012410				\$276,952	\$659,948	RESEARCH AND DEVELOPMENT	\$178,747,631
MEDICAL LIBRARY ASSISTANCE	93.879		UNIVERSITY OF UTAH	10039576-04		\$88,493	\$659,948	RESEARCH AND DEVELOPMENT	\$178,747,631
GRANTS FOR PRIMARY CARE TRAINING AND ENHANCEMENT	93.884	T0BHP29303				\$196,961	\$196,961	N/A	\$0
CANCER PREVENTION AND CONTROL PROGRAMS FOR STATE, TERRITORIAL AND TRIBAL ORGANIZATIONS	93.898		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES ST LOUIS COUNTY DEPARTMENT OF HEALTH ST LOUIS COUNTY DEPARTMENT OF HEALTH	AOC18380166 N/A 38-675 N/A		\$1,051,161	\$1,051,161	RESEARCH AND DEVELOPMENT	\$178,747,631
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910		ST. LOUIS COUNTY MISSOURI	N/A		\$29,243	\$70,586	N/A	\$0
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910					\$41,343	\$70,586	RESEARCH AND DEVELOPMENT	\$178,747,631
RURAL HEALTH CARE SERVICES OUTREACH, RURAL HEALTH NETWORK DEVELOPMENT AND SMALL HEALTH CARE PROVIDER QUALITY IMPROVEMENT	93.912		RANDOLPH COUNTY CARING COMMUNITY PARTNERSHIP	N/A		\$14,112	\$14,112	N/A	\$0
HEALTHY START INITIATIVE	93.926		NURTURE KANSAS CITY	N/A		\$13,405	\$76,369	N/A	\$0
HEALTHY START INITIATIVE	93.926		NURTURE KANSAS CITY	2 H49MC01449-17-00		\$62,964	\$76,369	RESEARCH AND DEVELOPMENT	\$178,747,631
ASSISTANCE PROGRAMS FOR CHRONIC DISEASE PREVENTION AND CONTROL	93.945		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC18380299		\$128,326	\$128,326	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		IOWA DEPARTMENT OF HEALTH IOWA DEPARTMENT OF HEALTH	5880MH41 5889MH41		\$41,323	\$75,068	N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		STATE OF FLORIDA	B34683		\$40	\$75,068	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		\$28,309	\$75,068	N/A	\$0
COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		IOWA DEPARTMENT OF HEALTH	5881MH41		\$5,396	\$75,068	RESEARCH AND DEVELOPMENT	\$178,747,631
BLOCK GRANTS FOR COMMUNITY MENTAL HEALTH SERVICES	93.958		MISSOURI DEPARTMENT OF MENTAL HEALTH MISSOURI DEPARTMENT OF MENTAL HEALTH MISSOURI DEPARTMENT OF MENTAL HEALTH MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC11380234 TA 20905 AOC01380098 AOC09380028 AOC11380234 TA 19901 AOC11380234 TA 20901 AOC11380234 TA 20905		\$19,476	\$19,476	N/A	\$0
BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE	93.959		MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC11380234 TA 20905		\$920,149	\$924,966	N/A	\$0
BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE ABUSE	93.959		ACT MO	MAG-2020-10		\$4,817	\$924,966	N/A	\$0
PPHF GERIATRIC EDUCATION CENTERS	93.969		ST LOUIS UNIVERSITY	22499-44556		\$15,067	\$15,067	RESEARCH AND DEVELOPMENT	\$178,747,631
FAMILY PLANNING_SERVICE DELIVERY IMPROVEMENT RESEARCH GRANTS	93.974		ALTARUM INSTITUTE	SC-19-027		\$2,264	\$15,816	N/A	\$0
FAMILY PLANNING_SERVICE DELIVERY IMPROVEMENT RESEARCH GRANTS	93.974		PUBLIC HEALTH SOLUTIONS	19-PPD-911		\$13,552	\$15,816	RESEARCH AND DEVELOPMENT	\$178,747,631
INTERNATIONAL RESEARCH AND RESEARCH TRAINING	93.989		NORTHWESTERN UNIVERSITY	60049839 UMSL		\$24,585	\$24,585	RESEARCH AND DEVELOPMENT	\$178,747,631
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT	93.991		OHIO DEPARTMENT OF HEALTH OHIO DEPARTMENT OF HEALTH	34953 DOH01-000054764		\$10,693	\$10,693	N/A	\$0

**UNIVERSITY OF MISSOURI SYSTEM  
SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS  
Fiscal Period 7/1/2019 - 6/30/2020**

Federal Awarding Agency/Program Title	Federal Assistance Listing 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
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		MINNESOTA DEPARTMENT OF HEALTH	145097		\$38,246	\$81,777	N/A	\$0
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC17380018 AOC20380009 CS170220009 CS192865009		\$21,235	\$81,777	N/A	\$0
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE STATES	93.994		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380256		\$22,296	\$81,777	RESEARCH AND DEVELOPMENT	\$178,747,631
EVALUATION OF ACTIVE SUPPRESSION SYSTEMS FOR UNDERGROUND COAL MINE EXPLOSIONS	93.RD	200-2017-95256				\$99,005	\$172,286	RESEARCH AND DEVELOPMENT	\$178,747,631
MEASUREMENT OF SODIUM, IODINE, AND SCANDIUM IN NAIL SAMPLES FROM THE GOLESTAN COHORT, IRAN	93.RD	HHSN261201800293P				\$517	\$172,286	RESEARCH AND DEVELOPMENT	\$178,747,631
PANDA RECOVERY PROJECT	93.RD	75N95019P00275				\$11,880	\$172,286	RESEARCH AND DEVELOPMENT	\$178,747,631
NINDS-IPA ASSIGNMENT AGREEMENT-DR. SOHL	93.RD	5726610				\$51,139	\$172,286	RESEARCH AND DEVELOPMENT	\$178,747,631
LOW-COST AERIAL DELIVERY OF MEDICAL SUPPLIES	93.RD	N/A	BLOODSTONE DIVISION LLC	N/A		\$4,543	\$172,286	RESEARCH AND DEVELOPMENT	\$178,747,631
DIRECT-FROM-SAMPLE PHENOTYPIC AST DIAGNOSTIC FOR N. GONORRHOEAE	93.RD	00063570	IMPEDX DIAGNOSITCS	00063570		-\$4,143	\$172,286	RESEARCH AND DEVELOPMENT	\$178,747,631
COTC028: PRECLINICAL ASSESSMENT OF AN ORAL P97 INHIBITOR, CB-5339, IN TUMOR-BEARING DOGS	93.RD	19X021	LEIDOS INC	19X021		\$9,345	\$172,286	RESEARCH AND DEVELOPMENT	\$178,747,631
LABORATORY DIABETES ANALYSES FOR NHANES 2016-2021	93.U01	200-2017-91987				\$36,580	\$36,580	N/A	\$0
NCAPPS	93.U02	1176-UMKC	HUMAN SERVICES RESEARCH INSTITUTE	1176-UMKC		\$56,262	\$56,262	N/A	\$0
MO HEALTHNET DATA PROJECT	93.U03	AOC15380036	MISSOURI DIVISION OF MEDICAL SERVICES	AOC15380036		\$233,521	\$233,521	N/A	\$0
NEW EDITIONS EVALUATION WITH NASDDDS 2018-2019	93.U04	N/A	NATIONAL ASSOCIATION OF STATE DIRECTORS OF DEVELOPMENTAL DISABILITIES	N/A		\$3,357	\$3,357	N/A	\$0
CTLC LEWIN GROUP	93.U05	TLG19010-5677.05	THE LEWIN GROUP INC	TLG19010-5677.05		\$25,000	\$25,000	N/A	\$0
<b>TOTAL DEPARTMENT OF HEALTH AND HUMAN SERVICES</b>						<b>\$11,372,071</b>	<b>\$135,516,469</b>		
<b>CORPORATION FOR NATIONAL AND COMMUNITY SERVICE</b>									
AMERICORPS	94.006					\$2,005	\$755,372	N/A	\$0
AMERICORPS	94.006		JUMPSTART	2420200		\$207,452	\$755,372	N/A	\$0
AMERICORPS	94.006		MISSOURI COMMUNITY SERVICE COMMISSION	N/A		\$545,915	\$755,372	N/A	\$0
<b>TOTAL CORPORATION FOR NATIONAL AND COMMUNITY SERVICE</b>							<b>\$755,372</b>		
<b>EXECUTIVE OFFICE OF THE PRESIDENT</b>									
INTERGOVERNMENTAL PERSONNEL ACT AGREEMENT FOR DR. AARON HEDLUND	95.U01	N/A	COUNCIL OF ECONOMIC ADVISERS	N/A		\$66,662	\$66,662	N/A	\$0
<b>TOTAL EXECUTIVE OFFICE OF THE PRESIDENT</b>							<b>\$66,662</b>		
<b>DEPARTMENT OF HOMELAND SECURITY</b>									
NATIONAL DAM SAFETY PROGRAM	97.041		MISSOURI DEPARTMENT OF NATURAL RESOURCES	N/A		\$47,314	\$47,314	RESEARCH AND DEVELOPMENT	\$178,747,631
ASSISTANCE TO FIREFIGHTERS GRANT	97.044		CITY OF JACKSON	N/A		\$13,300	\$13,300	N/A	\$0
HOMELAND SECURITY GRANT PROGRAM	97.067		MISSOURI STATE UNIVERSITY	P0052051		\$18,000	\$74,779	N/A	\$0
HOMELAND SECURITY GRANT PROGRAM	97.067		STATE EMERGENCY MANAGEMENT AGENCY	AOC16380071		\$55,900	\$74,779	N/A	\$0
HOMELAND SECURITY GRANT PROGRAM	97.067		EAST-WEST GATEWAY COUNCIL OF GOVERNMENT	48887005-GIS		\$879	\$74,779	RESEARCH AND DEVELOPMENT	\$178,747,631
<b>TOTAL DEPARTMENT OF HOMELAND SECURITY</b>							<b>\$135,393</b>		
<b>U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT</b>									
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		MICHIGAN STATE UNIVERSITY	RC1020958HEARD		\$1,142	\$199,456	N/A	\$0

**UNIVERSITY OF MISSOURI SYSTEM**  
**SCHEDULE OF EXPENDITURES OF FEDERAL AWARDS**  
**Fiscal Period 7/1/2019 - 6/30/2020**

<i>Federal Awarding Agency/Program Title</i>	<i>Federal Assistance Listing Number</i>	<i>Additional Award Identification (Optional)</i>	<i>Name of Funder Pass-Through Entity</i>	<i>Identifying Number Assigned By Funder Pass-Through Entity</i>	<i>Total Amount Provided to Sub-Recipients</i>	<i>Federal Expenditures</i>	<i>Federal Program Total</i>	<i>Cluster Name</i>	<i>Cluster Total</i>
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	98.001		UNIVERSITY OF ILLINOIS SYSTEM	072112-17361		\$193,742	\$199,456	N/A	\$0
			UNIVERSITY OF ILLINOIS SYSTEM	072112-17425					
			UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN						
			UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-05					
<i>USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS</i>	98.001		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-13	\$4,572	\$4,572	\$199,456	RESEARCH AND DEVELOPMENT	\$178,747,631
<b>TOTAL U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT</b>					<u>\$4,572</u>	<u>\$199,456</u>			
<b>TOTAL EXPENDITURE OF FEDERAL AWARDS</b>					<u>\$29,009,921</u>	<u>\$765,108,524</u>			

**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, 2020**

**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, 2020. 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, 2020, consists of:

<i>Federal Grantor/Program Title</i>	<i>Assistance Listing Number</i>	<i>Outstanding Balance at 6/30/2020</i>
<b>DEPARTMENT OF EDUCATION LOAN PROGRAMS</b>		
PERKINS LOAN PROGRAM	84.038	\$ 20,035,966
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	\$ 3,220,451
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE LOANS/LOANS FOR DISADVANTAGED STUDENTS	93.342	14,832,194
NURSING STUDENT LOANS	93.364	1,541,823

**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, 2020, and the related notes to the financial statements, which collectively comprise the System's basic financial statements, and have issued our report thereon dated November 16, 2020, 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) as a basis for designing 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  
June 10, 2021

**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, 2020. 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, 2020.

### **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, 2020, and the related notes to the financial statements, which collectively comprise the System's basic financial statements. We issued our report thereon dated November 16, 2020, 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  
June 10, 2021

**University of Missouri System**  
**Schedule of Findings and Questioned Costs**  
**Year Ended June 30, 2020**

**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, 2020**

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
Rehabilitation Services Vocational Rehabilitation Grants	84.126
Education Innovation and Research	84.411
Supporting Effective Educator Development Program	84.423
Higher Education Emergency Relief Fund	
COVID-19 Education Stabilization Fund – Student Aid	84.425E
COVID-19 Education Stabilization Fund – Institutional Aid	84.425F
Every Student Succeeds Act/Preschool Development Grants	93.434

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

**University of Missouri System**  
**Schedule of Findings and Questioned Costs (Continued)**  
**Year Ended June 30, 2020**

**Findings Required to be Reported by *Government Auditing Standards***

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

**Findings Required to be Reported by the Uniform Guidance**

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

**University of Missouri System**  
**Summary Schedule of Prior Audit Findings**  
**Year Ended June 30, 2020**

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