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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	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
DEPARTMENT OF AGRICULTURE									
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	59-5020-8-003				\$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	33 0070 0 013	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	MISSISSI TI STATE CHITEISTI	102030.510530.01		\$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 MSUUSDA 310265		\$82,024	\$242,490	RESEARCH AND DEVELOPMENT	\$178,747,631
WILDLIFE SERVICES	10.028	AP19WSNWRC00C018	MISSISSIT T STATE CHATELIST T	WWW.W30 035/1310203		\$104,738	\$249,498	RESEARCH AND DEVELOPMENT	\$178,747,631
WILDLIFE SERVICES	10.028	AP19WSNWRC00C020				\$47,926	\$249,498	RESEARCH AND DEVELOPMENT	\$178,747,631
WILDLIFE SERVICES	10.028	711 13 113 1111 11 11 11 11 11 11 11 11 1	MISSISSIPPI STATE UNIVERSITY	WAN MSUUSDA 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
WE TE THE STREET THOUSEN	10.072		MISSOURI DEPARTMENT OF	20100703 02		<i>\$255,267</i>	<i>\$155,167</i>	NESE/MEN/MO DEVELO/ MEN/	\$170,747,031
MARKET NEWS	10.153		AGRICULTURE	N/A		\$9,712	\$9,712	N/A	\$0
manter news	10.133		OREGON FARMERS MARKETS	.,,,,		93,712	<i>\$3,712</i>	.,,,,	Ç
FARMERS' MARKET AND LOCAL FOOD PROMOTION PROGRAM	10.168		ASSOCIATION	N/A		\$7,705	\$7,705	N/A	\$0
			MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF	7		*****	, ,,,,,		
			AGRICULTURE MISSOURI DEPARTMENT OF AGRICULTURE MISSOURI DEPARTMENT OF	16SCBGPMO0003 PROJECT 2 AM180100XXXXG011 PROJ 6 AM180100XXXXG011 PROJ 8 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

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	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount		Federal		
Federal Awarding Agency/Program Title	Listing Number	Identification (Optional)	Pass-Through Entity	Pass-Through Entity	Provided to Sub-Recipients	Federal Expenditures	Program Total	Cluster Name	Cluster Total
reactal Awarding Agency, Program True	Number	(Ориони)	MISSOURI DEPARTMENT OF	Linuty	3ub-Recipients	Experiantures	Total	Nume	Total
			AGRICULTURE						
			MISSOURI DEPARTMENT OF AGRICULTURE						
			MISSOURI DEPARTMENT OF						
			AGRICULTURE						
			MISSOURI DEPARTMENT OF						
			AGRICULTURE MISSOURI DEPARTMENT OF						
			AGRICULTURE	16SCBGPMO0003 PROJECT 7					
			MISSOURI DEPARTMENT OF	AM170100XXXXG015 PROJ 10					
			AGRICULTURE	AM170100XXXXG015 PROJ 11					
			MISSOURI DEPARTMENT OF AGRICULTURE	AM170100XXXXG015 PROJ 3 AM180100XXXXG011 PROJ 7					
			MISSOURI DEPARTMENT OF	AM180100XXXXG011 PROJ 9					
			AGRICULTURE	AM190100XXXXG029 PROJ 10					
			MISSOURI DEPARTMENT OF	AM190100XXXXG029 PROJ 3		4	4		4
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170		AGRICULTURE MISSOURI DEPARTMENT OF	AM190100XXXXG029 PROJ 4		\$51,219	\$130,656	RESEARCH AND DEVELOPMENT	\$178,747,631
			AGRICULTURE						
			MISSOURI DEPARTMENT OF	AM190100XXXXG029 PROJ 7					
SPECIALTY CROP BLOCK GRANT PROGRAM - FARM BILL	10.170	AULA DA ACCERDIO ACCESA	AGRICULTURE	N/A		\$9,226	\$130,656	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE FORESTRY RESEARCH COOPERATIVE FORESTRY RESEARCH	10.202 10.202	NI19MSCFRXXXG053 NI20MSCFRXXXG077				\$133,551 \$551,564	\$685,115 \$685,115	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH	10.202	THEOMSCH MUNICOTT				\$331,30 4	Ų003,113	NESE/MENT/MS SEVEES MENT	\$1,0,747,031
ACT	10.203	NI19HFPXXXXXG005				\$960,494	\$5,156,954	RESEARCH AND DEVELOPMENT	\$178,747,631
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH ACT	10 202	NI19HMFPXXXXG031				Ć102.052	\$5,156,954	RESEARCH AND DEVELOPMENT	Ć170 747 C21
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH	10.203	MITAUMILLYYYYYGO2T				\$193,853	\$5,150,954	RESEARCH AND DEVELOPMENT	\$178,747,631
ACT	10.203	NI20HFPXXXXXG042				\$3,317,536	\$5,156,954	RESEARCH AND DEVELOPMENT	\$178,747,631
PAYMENTS TO AGRICULTURAL EXPERIMENT STATIONS UNDER THE HATCH									
ACT ANIMAL HEALTH AND DISEASE RESEARCH	10.203 10.207	NI20HMFPXXXXG041 NI20AHDRXXXXG028				\$685,071 \$57,459	\$5,156,954 \$57,459	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHER EDUCATION & GRADUATE FELLOWSHIPS GRANT PROGRAM	10.210	2019-38420-28972				\$58,859	\$58,859	N/A	\$178,747,631 \$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 UNIVERSITY OF MINNESOTA	H005722917 H005722924					
			UNIVERSITY OF MINNESOTA	H005722924 H006607401					
			UNIVERSITY OF MINNESOTA	H007179301					
			UNIVERSITY OF MINNESOTA	H007179332					
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA UNIVERSITY OF MINNESOTA	H007179344 H007813901		\$325,990	\$362,535	N/A	\$0
SUSTAINABLE AGRICULTURE RESEARCH AND EDUCATION	10.215		UNIVERSITY OF MINNESOTA	H00/613901		\$325,990	\$302,535	N/A	\$0
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 LINCOLN UNIVERSITY	2017-3560 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		VIRGINIA STATE UNIVERSITY	R000039		\$29,998	\$207,891	RESEARCH AND DEVELOPMENT	\$178,747,631
HIGHER EDUCATION - INSTITUTION CHALLENGE GRANTS PROGRAM RESEARCH INNOVATION AND DEVELOPMENT GRANTS IN	10.217	2017-70003-26392				\$1,684	\$1,684	N/A	\$0
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 AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS	10.291 10.291	58-0111-18-024 58-0111-19-011			\$139,183 \$88,873	\$622,795 \$897,409	\$1,570,347 \$1,570,347	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
AGRICULTURAL AND FOOD POLICY RESEARCH CENTERS	10.291	58-0111-19-012			200,073	\$50,138	\$1,570,347	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF WISCONSIN						
INTEGRATED PROGRAMS	10.303		MADISON	000000409		\$965	\$244,076	N/A	\$0
INTEGRATED PROGRAMS INTEGRATED PROGRAMS	10.303 10.303	2017-51106-27007	MICHIGAN STATE UNIVERSITY	RC110122UMO	\$14,845 \$1,617	\$221,378 <i>\$21,733</i>	\$244,076 <i>\$244,076</i>	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
HOMELAND SECURITY_AGRICULTURAL	10.304		MISSISSIPPI STATE UNIVERSITY	RC106556G	\$1,017	\$25,082	\$300,143	N/A	\$178,747,631
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	14604:	422.000		-\$99	-\$99	RESEARCH AND DEVELOPMENT	\$178,747,631
SPECIALTY CROP RESEARCH INITIATIVE AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.309 10.310	2019-67032-29290	VIGINIA TECH	422652-19228		<i>\$1,816</i> \$78,525	\$1,816 \$4,496,243	RESEARCH AND DEVELOPMENT N/A	<i>\$178,747,631</i> \$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2018-67012-28044				\$54,346	\$4,496,243	N/A	\$0

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		PURDUE UNIVERSITY	F9002711902007		\$14,983	\$4,496,243	N/A	\$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310 10.310		SOUTH DAKOTA UNIVERSITY UNIVERSITY OF ARKANSAS	3TC462 SA1909233		\$4,784 \$80,857	\$4,496,243 \$4,496,243	N/A N/A	\$0 \$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2016-67013-24429	UNIVERSITY OF ARKANSAS	3A1909233		\$95,490	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2013-67015-21076				-\$6,555	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2013-68004-20364				\$276,165	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2013-68004-25256			-\$734	-\$734	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2015-67015-23231				\$27,013	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2015-67015-23678				\$57,760	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2016-67013-24586				\$4,414	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2016-67015-24741				\$499,107	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2016-67019-25278			\$757	\$73,759	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310 10.310	2016-68004-24827 2016-68006-25210			\$151,035 \$42,728	\$450,753 \$137,205	\$4,496,243 \$4,496,243	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2016-68006-25210			\$61,444	\$247,654	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2017-67013-26216			301,444	\$80.444	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2017-67015-26451				\$41,403	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2017-67015-26587				\$44,907	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2017-67015-26630				\$109,821	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2017-67015-26760				\$151,817	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2017-67019-26286			\$7,489	\$71,752	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2018-67013-27536				\$91,023	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2018-67015-27598			\$19,486	\$349,408	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2018-67017-27880			620.445	\$127,124	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310 10.310	2018-68008-27891			\$20,446	\$45,616 \$48,003	\$4,496,243 \$4,496,243	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67011-29543 2019-67011-29709				\$40,284	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67012-29653				\$31,845	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67012-29655				\$73,266	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67012-29714				\$74,575	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67013-29313			\$60,937	\$89,379	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67013-29370			\$192,156	\$280,121	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67013-29440				\$15,767	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67015-28998			\$16,790	\$123,657	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67015-29484				\$38,906	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67021-28993				\$79,306	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI) AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310 10.310	2020-67013-30908 2020-67015-31017				\$14,746 \$30,542	\$4,496,243 \$4.496,243	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2020-67030-31017				\$18,909	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2020 07030 31330	COLORADO SCHOOL OF MINES	401541-5801		\$19,924	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		INDIANA UNIVERSITY	BL-4339916-UM		\$24,655	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		NORTH CAROLINA STATE UNIVERSITY	2019-1507-14		\$3,494	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		PURDUE UNIVERSITY	F9002796702008		\$12,494	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		SOUTH DAKOTA STATE UNIVERSITY	3TC390		\$1,382	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF GEORGIA	RC294-343/S001056		\$10,451	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF MINNESOTA	H006564202		\$6,528	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		UNIVERSITY OF WYOMING	1003080A - MISSOURI		\$46,920	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		VIRGINIA TECH WASHINGTON STATE UNIVERSITY	422569-19228 130160_G003742		\$45,020	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310		WASHINGTON STATE UNIVERSITY	132190-G003937		\$66,825	\$4,496,243	RESEARCH AND DEVELOPMENT	\$178,747,631
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67011-29618	Wishing on Shire Chivenshire	132130 0003337		\$50,657	\$4,496,243	N/A	\$0
AGRICULTURE AND FOOD RESEARCH INITIATIVE (AFRI)	10.310	2019-67011-29729				\$39,746	\$4,496,243	N/A	\$0
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311	2018-70017-28578			\$31,100	\$98,240	\$153,553	N/A	\$0
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311		DAIRY GRAZING APPRENTICESHIP	N/A		\$30,707	\$153,553	N/A	\$0
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311		UNIVERSITY OF ARKANSAS	91161-02		\$6,496	\$153,553	N/A	\$0
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311		UNIVERSITY OF VERMONT	29903SUB51956		\$5,366	\$153,553	N/A	\$0
			WESTERN CENTRAL MISSOURI						
BEGINNING FARMER AND RANCHER DEVELOPMENT PROGRAM	10.311		COMMUNITY ACTION AGENCY	N/A		\$12,744	\$153,553	RESEARCH AND DEVELOPMENT	\$178,747,631
FARM BUSINESS MANAGEMENT AND BENCHMARKING COMPETITIVE	10 210	2010 20504 20222			ć=7.000	¢0¢ 022	ć0C 022	N/A	**
GRANTS PROGRAM CAPACITY BUILDING FOR NON-LAND GRANT COLLEGES OF	10.319	2019-38504-29890	MISSOURI STATE UNIVERSITY	16161-001	\$57,368	\$96,923	\$96,923	N/A	\$0
AGRICULTURE (NLGCA)	10.326		MISSOURI STATE UNIVERSITY MISSOURI STATE UNIVERSITY	18042-001		\$99,044	\$99,044	RESEARCH AND DEVELOPMENT	\$178,747,631
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS	10.320		WILDSOURI STATE UNIVERSITY	10042-001		227,044	\$55,044	NESEARCH AND DEVELOPINENT	\$170,747,031
PROGRAM	10.329	2017-70006-27185				\$183,631	\$281,196	N/A	\$0
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE GRANTS							, , , , , , , , , , , , , , , , , , , ,		,
PROGRAM	10.329	2017-70006-27274			\$42,324	\$97,748	\$281,196	RESEARCH AND DEVELOPMENT	\$178,747,631
CROP PROTECTION AND PEST MANAGEMENT COMPETITIVE			UNIVERSITY OF KENTUCKY						
GRANTS PROGRAM	10.329		RESEARCH FOUNDATION	3200001582-18-186		-\$183	\$281,196	RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount		Federal		
Federal Awarding Agency/Program Title	Listing Number	Identification (Optional)	Pass-Through Entity	Pass-Through Entity	Provided to Sub-Recipients	Federal Expenditures	Program Total	Cluster Name	Cluster Total
VETERINARY SERVICES GRANT PROGRAM	10.336	2019-70024-30316	Linuty	Linuxy	Sub-necipients	\$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 COOPERATIVE EXTENSION SERVICE	10.500 10.500	2015-41520-23773 2016-48540-25859			\$98,171	\$89,460 \$173,118	\$636,648 \$636,648	N/A N/A	\$0
COOPERATIVE EXTENSION SERVICE COOPERATIVE EXTENSION SERVICE	10.500	2018-41590-28716			\$55,384	\$173,118	\$636,648	N/A N/A	\$0 \$0
COOPERATIVE EXTENSION SERVICE	10.500	2019-41210-30095			233,304	\$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 UNIVERSITY OF NEBRASKA LINCOLN	25-6324-0150-321 25-6324-0187-007		\$35,600	\$636,648	N/A	\$0
COOPERATIVE EXTENSION SERVICE	10.500		UNIVERSITY OF WISCONSIN MADISON	***		\$14.023	\$636.648	N/A	ćo
SMITH-LEVER FUNDING (VARIOUS PROGRAMS)	10.500	NI19SLBCXXXXG012	MADISUN	N/A		\$1,557,812	\$9,815,511	N/A N/A	<i>\$0</i> \$0
SMITH-LEVER FUNDING (VARIOUS PROGRAMS)	10.511	NI20SI BCXXXXG012				\$8,257,699	\$9,815,511	N/A N/A	\$0
EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM	10.511	NI19EFNEPXXXG032				\$284,153	\$1,401,698	N/A N/A	\$0
EXPANDED FOOD AND NUTRITION EDUCATION PROGRAM	10.514	NI20EFNEPXXXG058				\$1,117,545	\$1,401,698	N/A	\$0
RENEWABLE RESOURCES EXTENSION ACT AND NATIONAL FOCUS FUND						+-//	+=,=,	.,,	**
PROJECTS	10.515	NI19RREAFXXXG044				\$18,909	\$80,036	N/A	\$0
RENEWABLE RESOURCES EXTENSION ACT AND NATIONAL FOCUS FUND									
PROJECTS	10.515	NI20RREAFXXXG011				\$61,127	\$80,036	N/A	\$0
FARM AND RANCH STRESS ASSISTANCE NETWORK COMPETITIVE									
GRANTS PROGRAM (B)	10.525		IOWA STATE UNIVERSITY MISSOURI DEPARTMENT OF HEALTH	021546D		\$2,495	\$2,495	N/A	\$0
SPECIAL SUPPLEMENTAL NUTRITION PROGRAM FOR WOMEN,			AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	AOC17380018					
INFANTS. AND CHILDREN	10.557		AND SENIOR SERVICES	AOC20380009		\$29,623	\$29,623	N/A	\$0
novino, vino cinebieri	10.557		MISSOURI DEPARTMENT OF HEALTH	71002030003		<i>\$23,023</i>	\$23,023	747.	Ç0
			AND SENIOR SERVICES						
			MISSOURI DEPARTMENT OF HEALTH	ERS46110020					
CHILD AND ADULT CARE FOOD PROGRAM	10.558		AND SENIOR SERVICES	ERS4611511		\$17,206	\$17,206	N/A	\$0
			MISSOURI DEPARTMENT OF SOCIAL						
			SERVICES						
STATE ADMINISTRATIVE MATCHING GRANTS FOR THE			MISSOURI DEPARTMENT OF SOCIAL	AOC18380029					
SUPPLEMENTAL NUTRITION ASSISTANCE PROGRAM	10.561		SERVICES	AOC18380165	\$18,091	\$10,464,749	\$10,464,749	SNAP CLUSTER	\$10,464,749
SCIENTIFIC COOPERATION EXCHANGE PROGRAM WITH CHINA COOPERATIVE FORESTRY ASSISTANCE	10.614 10.664	FX18SE-10614R004	TEVAS AGAALINIU (EDSIT)	CO-19-286	\$7,145	\$29,797 \$104,556	\$29,797 \$119,056	N/A RESEARCH AND DEVELOPMENT	\$0
COOPERATIVE FORESTRY ASSISTANCE COOPERATIVE FORESTRY ASSISTANCE	10.664		TEXAS A&M UNIVERSITY UNIVERSITY OF TENNESSEE	9500085477		\$104,556 \$14,500	\$119,056	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
FOREST HEALTH PROTECTION	10.680	15-CA-11420004-206	ONIVERSITY OF TENNESSEE	9300083477		\$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 10.699	18-JV-11242311-068				\$30,147 \$54,776	\$524,923 \$524,923	RESEARCH AND DEVELOPMENT	\$178,747,631
PARTNERSHIP AGREEMENTS PARTNERSHIP AGREEMENTS	10.699	18-JV-11242311-084 19-JV-11242311-005				\$8,879	\$524,923	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
PARTNERSHIP AGREEMENTS	10.699	19-JV-11242311-003				\$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	40	FV400F				4.2			2.
TECHNOLOGY FELLOWSHIP NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND	10.777	FX18BF-10777R018				\$10,548	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX18BF-10777R029				¢7.100	\$210.701	N/A	ćo
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND	10.777	FX16BF-1U///KU29				\$7,160	\$210,701	N/A	\$0
TECHNOLOGY FELLOWSHIP	10.777	EX19BF-10777R013				\$27,320	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND	20.,,,					<i>\$2.,520</i>	Ç210,701		30
TECHNOLOGY FELLOWSHIP	10.777	FX19BF-10777R018				\$30,058	\$210,701	N/A	\$0

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	Identifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND	, vannoci	(optional)	z.m.ty	Linuty	Jub-Recipients	Expenditures	Total	rume	Total
TECHNOLOGY FELLOWSHIP	10.777	FX19BF-10777R019				\$38	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND									
TECHNOLOGY FELLOWSHIP	10.777	FX19BF-10777R023				\$26,088	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND									
TECHNOLOGY FELLOWSHIP	10.777	FX19BF-10777R027				\$23,557	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND TECHNOLOGY FELLOWSHIP	10.777	FX19BF-10777R031				ć22.740	¢210.701	N/A	ćo
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND	10.777	FX19BF-10///KU31				\$33,748	\$210,701	N/A	\$0
TECHNOLOGY FELLOWSHIP	10.777	FX19BF-10777R045				\$22,503	\$210,701	N/A	\$0
NORMAN E. BORLAUG INTERNATIONAL AGRICULTURAL SCIENCE AND	10.777	17(136)-10777(043				J22,303	3210,701	N/A	ÇÜ
TECHNOLOGY FELLOWSHIP	10.777	FX20BF-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 SOIL AND WATER CONSERVATION	10.902 10.902	NR183A750023C003 NR186424XXXXC032				\$73,467 \$79,143	\$977,378 \$977,378	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
SOIL AND WATER CONSERVATION SOIL AND WATER CONSERVATION	10.902	NR196424XXXXC004				\$58,996	\$977,378	RESEARCH AND DEVELOPMENT	\$178,747,631
SOIL AND WATER CONSERVATION	10.902	NR196424XXXXC004				\$64,789	\$977,378	RESEARCH AND DEVELOPMENT	\$178,747,631
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.902	68-6424-17-014				-\$40,762	\$124,092	N/A	\$178,747,031
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
			ALITA ANN JOHNSON REVOCABLE						
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		TRUST	NA/		\$113	\$124,092	RESEARCH AND DEVELOPMENT	\$178,747,631
			INDIANA UNIVERSITY OF						
ENVIRONMENTAL QUALITY INCENTIVES PROGRAM	10.912		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 TECHNICAL AGRICULTURAL ASSISTANCE	10.960 10.960	FX18TA-10960R020 FX18TA-10960R022				\$102,928 \$77,216	\$425,537 \$425,537	N/A N/A	\$0 \$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	40.00	44.00.44040044.00					****	DECEMBELL AND DELVELORMENT	4470 747 ***
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 PD	14 1/ 11242211 005				¢4.007	¢461.1F0	DESCRIPCH AND DEVELOPMENT	¢170 747 C24
COMBINING LANDIS-II AND LANDIS-PRO INTO A COMMON FRAMEWORK	10.RD 10.RD	14-JV-11242311-065 14-JV-11242311-116				\$4,687 \$4,803	\$461,158 \$461,158	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
COMBINING LANDIS-II AND LANDIS-PRO INTO A COMMON FRAMEWORK COMPARING THE EFFECTS OF PRESCRIBED BURNING AND THINNING	10.KD	14-14-11742311-110				\$4,803	\$401,158	NESCANCH AND DEVELOPMENT	21/8,/4/,031
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
							. ,		

Part		Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	Identifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Marie Mari				Entity	Entity	Sub-Recipients				
March Marc		10.KD	10-JV-11242311-074				\$82,133	\$401,138	RESEARCH AND DEVELOPMENT	\$178,747,031
Part		10.RD	16-IV-11242311-076				\$19.335	\$461.158	RESEARCH AND DEVELOPMENT	\$178.747.631
March Marc							¥,	¥,		
Part		10.RD	16-JV-11242311-080				\$282	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
Marie Mari	INTEGRATED DISEASE MANAGEMENT FOR WHITE-NOSE SYNDROME	10.RD	16-JV-11242311-118				\$56,740	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
MACHINE MONITOR MANNE 1900 1904 1905 1904 1905		10.RD	18-JV-11242311-027				\$38,993	\$461,158	RESEARCH AND DEVELOPMENT	\$178,747,631
15 15 15 15 15 15 15 15	PREDICTING FOREST LANDSCAPE CHANGE TO SUPPORT ENVIRONMENTAL									
March Marc										
MICHAN ANNIHOLD MICHAN ANN										
Transmission Tran			,	ORA CLAY MORRIS JR	N/A			, . ,		
Contament of Contament Contament of Cont		10.001	14-CR-11242311-098				\$16,876	\$16,876	N/A	\$0
Part	TOTAL DEPARTIMENT OF AGRICULTURE					\$1,160,710	\$43,472,562			
STATISTICAL RESEARCY, AND METHODOLOGO ASSTRANCE 11.00 10	DEPARTMENT OF COMMERCE									
SUMMER S										
NOTESTINETY CONTRICT CONTRIC										
MACHINES 1,300 0-9-0-0-0-0-0-1		11.020	ED19HDQ0200011				\$198,358	\$198,358	RESEARCH AND DEVELOPMENT	\$178,747,631
CEMPORANE PERSONAL ASSISTANCE 1.303 DISSIDANCE 1.300 DISSIDANCE DISSIDANCE 1.300 DISSIDANCE 1.30										
CECOMING DEVELOPMENT, TECNERIAL ASSISTANCE 11.90 50309409390007 503097 503			*** *** ******			\$511,670	1 - 7	1 - 7		
PROMINE PROM	ECONOMIC DEVELOPMENT TECHNICAL ASSISTANCE									
ECONOMIC ADJUSTMENT ASSESTANCE DE 11.00										
MACE ADDITIONATION ASSETMANCE FOR PRINTS 13.33 EDITIOCI330007 5.15.05 5.27.67 NA 5.0	ECONOMIC DEVELOT MENT_TECHNICAE ASSISTANCE	11.505	ED13DEN3030020				Ş20,320	\$100,032	19/10	ŞO
NAME ADDITIONATION OF PRINTS 13.33 EDITION 0331005 5.5255 5.927,667 N.A 5.0	ECONOMIC ADJUSTMENT ASSISTANCE	11.307	05-79-05785				\$258,917	\$258,917	ECONOMIC DEVELOPMENT CLUSTER	\$770,587
SEA GRANT SUPPORT 1.147 FOODS 2002-20079 1.947 FOODS 2002-20079 1.947 1.	TRADE ADJUSTMENT ASSISTANCE FOR FIRMS	11.313	ED17HDQ3130047				\$1,255	\$927,667	N/A	
SA CIBRAT SUPPORT 13.47 1002192200099 11.467 1002192200099 11.467		11.313	ED18HDQ3130009				\$53,556	\$927,667	N/A	\$0
### TECHNOLOGIC MODERNIZATION 11-67										
DEPENDMENT 11.467		11.417	F0002362202059				\$20,743	\$20,743	N/A	\$0
MAISONE SCENAR PROGRAM 11-72 MAISONET-7007-75 587-90 519-949 519										
MASSULATE INTERPRETATION DEPORTMENT STREAMS 1.609 700ANDIS178285 1.609 700ANDIS178285 1.609 700ANDIS178285 1.600 700ANDIS178285 1.601 700ANDIS178285 1.601 700ANDIS178285 1.601 700ANDIS178285 1.601 700ANDIS178285 1.601 700ANDIS178285 700AN				ATMOSPHERIC RESEARCH	SUBAWD001461					
MANUFACTURING EXTENSION PARTNERSIP MANUFACTURING MARKENET MANUFACTURING MARKENET MANUFACTURING AGREEMENT						\$87,910				
MANUFACTURING STRATISSOR PARTNESSIPP 11-11-11-11-11-11-11-11-11-11-11-11-11-	WEASONEWENT AND ENGINEERING RESEARCH AND STANDARDS	11.005	70NANB13H283	MISSOLIBLENTERDRISE BLIS			303,043	303,043	RESEARCH AND DEVELOPINENT	3170,747,031
DISSENTATION PROPOSAL: BAYESAN UNIT-LEVEL MODELING OF NON- APPLICATION PROPOSAL: BAYESAN UNIT-LEVEL MODELING OF NON- APPLICATION TO SMALL JARRE ASTIMATION 1.10.01 13318.19P00000173 1.10.02 N/A EARTH NETWORKS INC N/A \$50 567,059 567,059 N/A \$50 TASK ORDER SIZOD-128 1.10.03 \$3020-128 \$5000-128 \$5020-128 \$5020-128 \$5020-128 \$51,619 \$51,619 \$51,619 \$51,619 \$51,619 TOTAL DEPARTMENT OF COMMERCE \$5020-128 \$5000-128	MANUFACTURING EXTENSION PARTNERSHIP	11 611			N/A		\$544.254	\$544.254	N/A	Śn
APPLICATION TO SMALL RABE ASTINATION 11.001 1331819P00000173 N/A EARTH NETWORS INC N/A \$57,059 \$57,059 N/A \$50,057 \$57,059 N/A \$50,057 \$57,059 \$57,059 N/A \$50,057 \$595,580 \$53,167,040 \$57,059 \$57,059 \$7,0		11.011		7,00,077,11402	.,,,,		,5511,E51	<i>\$341,234</i>	.,,	Ç
## ARTH NETWORKS AGREEMENT 11.U02 N/A EARTH NETWORKS INC N/A \$57,059 \$57,059 N/A \$9.000 TASK ORDER 52020-128 \$11.000 \$2020-128 \$10.000 \$2020-128 \$	GAUSSIAN SURVEY DATA UNDER INFORMATIVE SAMPLING WITH									
TOTAL DEPARTMENT OF COMMERCE S599_S80 \$3,167,040	APPLICATION TO SMALL AREA ESTIMATION	11.U01	1333LB19P00000173				\$39,162	\$39,162	N/A	\$0
				EARTH NETWORKS INC					N/A	
DEPARTMENT OF DEFENSE STEVENS INSTITUTE OF TECHNOLOGY 12.000		11.U03	S2020-128	SYNOPTIC DATA PBC	S2020-128		\$21,619	\$21,619	N/A	\$0
SELIOR DESIGN PROJECT: 2018 MARSOC TE 2 SPEECH TRANSLATION 12.000 TECHNOLOGY 2102796-14 TRANSLATION 12.000 TECHNOLOGY 2102796-15 SERIOR DESIGN PROJECT: 2018 MARSOC TE 2 SPEECH TRANSLATION 12.000 TECHNOLOGY 2102796-15 SERIOR DESIGN PROJECT: 2018 MARSOC TE 2 SPEECH AND IMPACT HAZARD MITHIGATION 12.000 SP4800-182-1820 UNIVERSITY OF MISSISSIPPI 19-03-037 S70,208 S70,208 S70,208 S70,234 RESEARCH AND DEVELOPMENT S178,747,631 S80,763-52 S80,763 NA S0 PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS 12.002 SP4800-182-1820 SP4800-192-1920 S18,518 S24,860 RESEARCH AND DEVELOPMENT 12.114 W9120Q1920002 S18,518 S18,518 S24,860 RESEARCH AND DEVELOPMENT S178,747,631 S10,219 S31,5330 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S10,000 N00244-192-0003 RBSIC AND APPULED SCIENTIFIC RESEARCH S10,000 N00173-191-0004 S118,518 S31,5530 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S12,000 N00173-191-0004 S118,518 S31,52,500 S118,533 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOPMENT S178,747,631 BASIC AND APPULED SCIENTIFIC RESEARCH S118,683 S31,155,300 RESEARCH AND DEVELOP	TOTAL DEPARTMENT OF COMMERCE					\$599,580	\$3,167,040			
TECHNOLOGY STEVEN INSTITUTE OF 2102796-14 TECHNOLOGY 2102796-15 \$626 \$70,834 RESEARCH AND DEVELOPMENT \$178,747,631 RESEARCH AND DEVELOPM	DEPARTMENT OF DEFENSE									
TECHNOLOGY STEVEN INSTITUTE OF 2102796-14 TECHNOLOGY 2102796-15 \$626 \$70,834 RESEARCH AND DEVELOPMENT \$178,747,631 RESEARCH AND DEVELOPM				STEVENS INSTITUTE OF						
SEVINOR DESIGN PROJECT: 2018 MARSOCT 2 SPEECH TRANSLATION 12.000 TECHNOLOGY 12.02796-15 BIO-INSPIRED FUNCTIONALLY GRADED COMPOSITES FOR BLAST AND IMPACT HAZARD MITIGATION 12.000 UNIVERSITY OF MISSISSIPPI 19-03-037 S70,208										
TRANSLATION 12.000 TECHNOLOGY 2102796-15 \$626 \$70,834 RESEARCH AND DEVELOPMENT \$178,747,631 BIO-INSPIRED FUNCTIONALLY GRADED COMPOSITES FOR BLAST AND IMPACT HAZARO MITIGATION 12.000 SP4800-18-2-1820 UNIVERSITY OF MISSISSIPPI 19-03-037 \$70,208 \$70,208 \$70,834 RESEARCH AND DEVELOPMENT \$178,747,631 PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS 12.002 SP4800-18-2-1820 \$479 \$46,411 \$682,763 N/A \$0 \$0 \$0 \$0.0000 PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS 12.002 SP4800-19-2-1920 \$3,308 \$636,352 \$682,763 N/A \$0 \$0 \$0.0000 PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS 12.114 W912DQ1920002 \$18,518 \$24,860 RESEARCH AND DEVELOPMENT \$178,747,631 \$0.000 PROCUREMENT RESEARCH AND DEVELOPMENT \$1.000 PROCUREMENT SEPARCH AND DEVELOPMENT \$1.000 PROCUREMENT \$1.000 PROCUREMENT SEPARCH AND DEVELOPMENT \$1.000 PROCUREMENT	SENIOR DESIGN PROJECT: 2018 MARSOC TE 2 SPEECH				2102796-14					
AND IMPRACT HAZARD MITIGATION 12.000 12.001 12.002 12.003 12.0		12.000			2102796-15		\$626	\$70,834	RESEARCH AND DEVELOPMENT	\$178,747,631
PROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS 12.002 \$P4800-18-2-1820 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-1920 \$9450-19-2-19-2-19-2-19-2-19-2-19-2-19-2-19-	BIO-INSPIRED FUNCTIONALLY GRADED COMPOSITES FOR BLAST									
ROCUREMENT TECHNICAL ASSISTANCE FOR BUSINESS FIRMS 12.002 \$94800-19-2-1920 \$3,308 \$636,352 \$582,763 \$N/A \$9.00				UNIVERSITY OF MISSISSIPPI	19-03-037				RESEARCH AND DEVELOPMENT	
COLLABORATIVE RESEARCH AND DEVELOPMENT 12.114 W912D01920002 \$18,518 \$24,860 RESEARCH AND DEVELOPMENT 5178,747,631									,	
COLLABORATIVE RESEARCH AND DEVELOPMENT 12.114 MISSOURI STATE UNIVERSITY 1904-01 \$5,342 \$52,480 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPILED SCIENTIFIC RESEARCH 12.300 NO0244-19-2-0003 \$50,000 \$50						\$3,308		1,	-4	
BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 FA8750-19-2-0001 \$102,119 \$3,135,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N00244-19-2-0003 \$526,995 \$3,135,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N00173-19-1-6004 \$3,1576 \$3,135,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N00173-19-2-0900 \$164,974 \$3,155,330 RESEARCH AND DEVELOPMENT \$178,747,651 BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N00014-16-1-2323 \$45,064 \$139,278 \$3,135,330 RESEARCH AND DEVELOPMENT \$178,747,651 BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N00014-16-1-2408 \$135,330 RESEARCH AND DEVELOPMENT \$178,747,651 BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N00014-17-1-2572 \$10,158 \$3,155,330 RESEARCH AND DEVELOPMENT \$178,747,651 BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N00014-17-1-2931 \$10,158 \$3,155,330 RESEARCH AND DEVELOPMENT \$178,747,651 </td <td></td> <td></td> <td>W912DQ1920002</td> <td>AMICCOLUNI CTATE LIMIN COCITY</td> <td>40044.04</td> <td></td> <td></td> <td></td> <td></td> <td></td>			W912DQ1920002	AMICCOLUNI CTATE LIMIN COCITY	40044.04					
BASIC AND APPLIED SCIENTIFIC RESEARCH			EA97E0 10 2 0004	INISSUURI STATE UNIVERSITY	19044-01					
BASIC AND APPLIED SCIENTIFIC RESEARCH										
BASIC AND APPILED SCIENTIFIC RESEARCH 12.300 M00173-19-1-G004 \$31,576 \$3,135,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPILED SCIENTIFIC RESEARCH 12.300 M00173-19-2-C900 \$164,974 \$3,135,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPILED SCIENTIFIC RESEARCH 12.300 M00014-16-1-2323 \$45,064 \$139,278 \$3,135,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPILED SCIENTIFIC RESEARCH 12.300 M00014-16-1-2408 \$113,853 \$3,135,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPILED SCIENTIFIC RESEARCH 12.300 M00014-17-1-2572 \$101,158 \$3,15,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPILED SCIENTIFIC RESEARCH 12.300 M00014-17-1-2931 \$137,115 \$3,15,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPILED SCIENTIFIC RESEARCH 12.300 M00014-17-1-2931 \$137,115 \$3,15,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPILED SCIENTIFIC RESEARCH 12.300 M00014-17-1-2932 \$137,015 \$3,15,330 RESEARCH AND DEVELOPMENT										
BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N0017-19-2-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 N00014-17-1-2572 \$101,158 \$3,155,330 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 N00014-17-1-2931 \$137,115 \$3,135,330 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N00014-17-1-2932 \$137,115 \$3,15,330 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 \$113,833 \$3,125,330 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 N00014-17-1-2931 \$136,316 \$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								1 - 7 7		
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 \$136,516 \$3,155,330 RESEARCH AND DEVELOPMENT \$178,747,631						\$45,064				
BASIC AND APPLIED SCIENTIFIC RESEARCH 12.300 N00014-17-1-2931 \$13,715 \$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							\$113,853			\$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 \$18,747,631										
	BASIC AND APPLIED SCIENTIFIC RESEARCH	12.300	N00014-17-1-3016				\$1,588,611	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631

Marches Marc		Federal	Additional		Identifying Number					
Part		Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
The content of the						Provided to	Federal		Cluster	Cluster
MATERIAL 1.00 MATERIAL				Entity	Entity	Sub-Recipients				
MACHINE PRINTED 1200 MICHAEL SOURCE 1200										
March Marc						\$404.0CC				
MATERIAL PROPERTY SECRETARY 1,250						\$104,966				
SERVICE SERVIC			W911Q11820001							
Column C										
Control Cont		12.300		PURDUE UNIVERSITY	4104-79717		\$38,317	\$3,135,330	RESEARCH AND DEVELOPMENT	\$178,747,631
Deciding		12 251	HDTRA1-15-1-0016				\$114.136	\$362.718	RESEARCH AND DEVELOPMENT	\$178 747 631
Page		12.331	11D11(A1-13-1-0010				ÿ114,130	,502,710	RESEARCH AND DEVELOT WENT	\$170,747,031
Dec.		12.351	HDTRA1-16-1-0019				\$26,866	\$362,718	RESEARCH AND DEVELOPMENT	\$178,747,631
Section Sect	BASIC SCIENTIFIC RESEARCH - COMBATING WEAPONS OF MASS									
MATERIAL PROPERTY 12-00 WEEKWAN 15-20021 SAME AND SECRETARY 12-00 WEEKWAN 15-20021 SAME AND SECRETARY SAME AND SECRETAR		12.351	HDTRA1-17-1-0033				\$152,223	\$362,718	RESEARCH AND DEVELOPMENT	\$178,747,631
DESTRUCTION 12-25		12.351		UNIVERSITY OF FLORIDA	UFDSP00011428		\$69,358	\$362,718	RESEARCH AND DEVELOPMENT	\$178,747,631
MUTERY MEDICA, RESERVANI AND SOVERED METERS 12,200 METERS 12,200 METERS 12,000 METERS		12.351		UNIVERSITY OF TENNESSEE	A16-0325-S001		\$135	\$362,718	RESEARCH AND DEVELOPMENT	\$178,747,631
MILTRAY MERCAL RESERVAN DE ONCOMMENT 23-00 WESTAME \$4-032 S. 23-2866 S. 23-2866 RESEARCH AND DEVELOPMENT 23-00 S. 23-26-03 RESEARCH AND DEVELOPMENT S. 23-26-03 S. 23-26-03 RESEARCH AND DEVELOPMENT S. 23-26-03 RESEARCH AND DEVELOPMENT S. 23-26-03 S. 23-26-03 RESEARCH AND DEV	MILITARY MEDICAL RESEARCH AND DEVELOPMENT	12.420	W81XWH-15-1-0567					\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MUTIAN MEDICAL RESIDANCH NO DEVELOPMENT 12-400 MEDICAL 19-10-19-19-19-19-19-19-19-19-19-19-19-19-19-	MILITARY MEDICAL RESEARCH AND DEVELOPMENT		W81XWH-16-1-0221			\$29,938	\$59,391		RESEARCH AND DEVELOPMENT	\$178,747,631
MULTIAN MEDICAL SESSACIA-NO DESIGNAMENT 12-00 WILLYWINSTEIN 5-007-2-00			W81XWH-16-1-0321				\$325,716	\$2,228,608	RESEARCH AND DEVELOPMENT	\$178,747,631
MUTANY MODEL SESSAMEN AND DEVELOPMENT 12-00 WESTAMES 12-00 SESSAME 12-00										
MILTORY MEDICAL RESEARCH AND DEVELOPMENT 12-40 WESTWAND-10-10-10 WESTWAND-10-10-10-10-10-10-10-10-10-10-10-10-10-										
MUTATA MERCAL RESEARCH AND DEVELOPMENT 13-260 WESTON 15-20037 SUBJECT SUBJEC										
MILTARY MEDICAL RESIGNATION DEVELOPMENT 12-400 MISSANH-17-10164 COLUMBIA UNIVERSITY 15-0016472) SOLID 4-10-10-10-10-10-10-10-10-10-10-10-10-10-						Ć00 47F				
MUTRAY MEDICA RESIDANCI NO DEPLOYMENT 12.400						\$88,475				
MULTARY MEDICAL RESEARCH AND DEVELOPMENT 12-400			WOIXWII-17-1-0104	COLUMBIA UNIVERSITY	1(GG014473)					
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BASIC SCIENTIFIC RESEARCH 12.431 ANGELES 1000 G TE691 \$127,101 \$10,624,727 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND 12.630 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 AMERICAN LIGHTWEIGHT BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND MATERIALS MANUFACTURING ENGINEERING 12.630 INNOVATION INSTITUTE PO # 4005-01 \$7.96 \$158,679 RESEARCH AND DEVELOPMENT \$178,747,631 UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS 12.750 HU000119920057 HENRY M JACKSON FOUNDATION 4270 \$480,607 \$798,472 \$817,522 RESEARCH AND DEVELOPMENT \$178,747,631 \$178,7							4			
BASIC SCIENTIFIC RESEARCH 12.431 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 HM04761912006 \$12,630 \$124,623 \$158,679 RESEARCH AND DEVELOPMENT \$178,747,631 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 MM04761912006 \$158,679 RESEARCH AND DEVELOPMENT \$178,747,631 ENGINEERING 12.630 INNOVATION INSTITUTE PO # 4005-01 \$796 \$158,679 RESEARCH AND DEVELOPMENT \$178,747,631 UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS 12.750 HU000119920057 +0.4005-01 \$480,607 \$798,472 \$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	BASIC SCIENTIFIC RESEARCH	12.431			SUBAWARD 2018-063		\$890,190	\$10,624,727	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING 12.630 SYMPOSIUM 20-871-021 \$33,260 \$158,679 N/A \$0 BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND EVELOPMENT 12.630 HM04761912006 AMERICAN LIGHTWEIGHT \$124,623 \$158,679 RESEARCH AND DEVELOPMENT \$178,747,631 BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND EVELOPMENT MATERIALS MANUFACTURING ENGINEERING \$796 \$158,679 RESEARCH AND DEVELOPMENT \$178,747,631 UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS 12.750 HU00119920057 PLAND ADVANCED \$480,607 \$798,472 \$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		12.431		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 HM04761912006 AMERICAN LIGHTWEIGHT BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING 12.630 HM04761912006 12.630 INNOVATION INSTITUTE PO # 4005-01 \$796 \$158,679 RESEARCH AND DEVELOPMENT \$178,747,631 UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS 12.750 HU000119920057 HENRY M JACKSON FOUNDATION 4270 \$480,607 \$798,472 \$817,252 RESEARCH AND DEVELOPMENT \$178,747,631		12.630			20-871-021		\$33,260	\$158,679	N/A	\$0
AMERICAN LIGHTWEIGHT BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND 12.630 10.000119920057 UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS 12.750 HU000119920057 HENRY M JACKSON FOUNDATION 4270 \$480,607 \$480,607 \$798,472 \$817,252 RESEARCH AND DEVELOPMENT \$178,747,631 \$178,747,631										
BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND MATERIALS MANUFACTURING ENGINEERING 12.630 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	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND ENGINEERING	12.630	HM04761912006	AMERICAN LIGHT VICTOR			\$124,623	\$158,679	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING 12.630 INNOVATION INSTITUTE PO # 4005-01 \$796 \$158,679 RESEARCH AND DEVELOPMENT \$178,74,631 UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS 12.750 HU000119920057 \$118,780 <	BASIC, APPLIED, AND ADVANCED RESEARCH IN SCIENCE AND									
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		12.630			PO # 4005-01		\$796	\$158,679	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	UNIFORMED SERVICES UNIVERSITY MEDICAL RESEARCH PROJECTS	12.750	HU000119920057					\$817,252	RESEARCH AND DEVELOPMENT	
				HENRY M JACKSON FOUNDATION	4270	\$480,607	\$798,472			
	AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800	FA9550-16-1-0437				\$13,698	\$1,464,806	RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	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
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		INDIANA UNIVERISTY	BL-4331206-MST		\$9,645	\$1,464,806	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF CALIFORNIA LOS						
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		ANGELES	1000 G TC133		\$32,097	\$1,464,806	RESEARCH AND DEVELOPMENT	\$178,747,631
AIR FORCE DEFENSE RESEARCH SCIENCES PROGRAM	12.800		UNIVERSITY OF MARYLAND	57641-Z8057201		\$68,461	\$1,464,806	RESEARCH AND DEVELOPMENT	\$178,747,631
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
RESEARCH AND TECHNOLOGY DEVELOPMENT	12.910		UNIVERSITY OF SOUTH FLORIDA	2105-1138-00-A		-\$4,878	\$272,108	RESEARCH AND DEVELOPMENT	\$178,747,631
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					1- /	,,	, , ,		, ., ,
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						4.70.0	7.,00.,000		¥=: =): ::,
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					7-0,	¥=0.7.00	T.//		¥=:=/: ::/===
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	12	***************************************				ŷ4,071	\$7,554,6E5	RESEARCH AND DEVELOT MENT	\$170,747,031
FOR C-SUAV	12.RD	N00014-18-C-1017			\$926,343	\$4,151,021	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
FRDC IPA: OPTIMIZED SURFACE EMISSION USING MACHINE LEARNING	12.RD	N/A			\$320,343	\$15,497	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
EXPLAINABLE ARTIFICIAL INTELLIGENCE AND ADVERSARIAL ALGORITHMS		14,11				7-0,101	1.,,		7-10/11/00-
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	12.10	WSIZHZISCOOO				J155,761	\$7,554,625	RESEARCH AND DEVELOT WENT	\$170,747,031
TO SENSING MANEUVERABILITY HAZARDS UNDER MULTIPLE									
PHENOMENOLOGIES AND PLATFORMS	12.RD	W912HZ19C0018				\$257,361	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
FABRICATION OF SILICA PARTICLE COLLOIDAL CRYSTALS ON GLASS	12.10	VV31211213C0016				J257,301	\$7,554,625	RESEARCH AND DEVELOR WENT	\$170,747,031
SUBSTRATES	12.RD	N/A	ZWITECH LLC	N/A		\$424	\$7.354.823	RESEARCH AND DEVELOPMENT	\$178,747,631
SEPARATION OF GRAPHITE FLAKE INTO MONO-PARTICLES BY HIGH	12.ND	N/A	ADVANCED FIBER TECHNOLOGIES	NyA		J424	\$7,334,023	RESEARCH AND DEVELOPINENT	\$170,747,031
ENERGY WATERJET	12.RD	19-MST-01	INC	19-MST-01		\$5,546	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
INNOVATIVE CASTING TECHNOLOGIES/INTENSIVE QUENCHING TO	12.ND	15-10131-01	ADVANCED TECHNOLOGY	15-10131-01		\$3,340	\$7,334,023	RESEARCH AND DEVELOPINENT	\$170,747,031
PRODUCE HIGH PERFORMANCE CAST PARTS	12.RD	2018-509-01	INTERNATIONAL	2018-509-01		\$65,572	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPACT 500KV, HIGH ENERGY DENSITY CAPACITOR FOR PULSED	12.KD	2018-309-01	ADVANCED TECHNOLOGY	2018-309-01		\$05,572	\$7,334,823	RESEARCH AND DEVELOPMENT	\$178,747,031
POWER APPLICATIONS	12.RD	DOTC-17-01-INIT0115	INTERNATIONAL	DOTC-17-01-INIT0115		-\$2,028	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
AFRL SAR CURATION PILOT EFFORT	12.RD	001C-17-01-INTIO115 00117	APPLIED RESEARCH SOLUTIONS	00117		-\$2,028 \$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-	12.KD	N/A	ASK CORPORATION	N/A		\$107,540	\$7,354,823	RESEARCH AND DEVELOPMENT	\$170,747,031
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	
SURFACE RESIDUAL STRESS RESOLUTION STUDY	12.RD	1666774	BOEING CO					RESEARCH AND DEVELOPMENT	\$178,747,631
VIRTUALLY GUIDED CERTIFICATION OF COMPUTER NUMERICALLY	12.KD	1000//4	BOEING CO	1666774		\$11,716	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
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	S90047BAH S902427BAH	BOOZ ALLEN HAMILTON	S902427BAH		\$133,094	\$7,354,823 \$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
NOA BAH RECON	12.ND	3302427BAH	BOOZ ALLEN HAMILTON	3302427BAH		\$133,034	\$7,334,023	RESEARCH AND DEVELOPMENT	\$170,747,031
CFDRC MDA STTR PHASE II - FINE POWDER CATHODE AND									
	13.00	0224	CED DECEADED CORDODATION	9324		Ć7F C00	Ć7 254 022	DECEARCH AND DEVELOPMENT	Ć170 747 C21
SEPARATOR BINDER CHARACTERIZATION FOR THERMAL BATTERIES JANUS AERONAUTICAL FEATURES VERTICAL OBSTRUCTIONS	12.RD	9324	CFD RESEARCH CORPORATION CONTINENTAL MAPPING	9324		\$75,609	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
DELIVERY ORDER 5	12.RD	CMC-UOFM-190805-1	CONSULTANTS	CMC-UOFM-190805-1		\$509,455	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
PERFORMANCE ON DARPA MACH PROGRAM	12.RD							RESEARCH AND DEVELOPMENT	
	12.KD	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
	12.KD	3A2U19U30UU31246	GRIFFISS INSTITUTE	3A20190300031246		\$100,000	\$7,354,823	RESEARCH AND DEVELOPMENT	\$170,747,031
APPLICATIONS OF QUANTUM PROBABILITY THEORY TOHUMAN-	43.00	2422	NO. AND AND AND ADDRESS.	2422		45 475	47.254.022	DECEMBER AND DELICIONATION	6470 747 634
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						4.2	4		4
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							4		4
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 AFFF IN HFZ REACTOR, PHASE II	12.RD	00063289	LIQUID CARBONIC LLC	00063289		\$83,935	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	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	NANOELECTROMAGNETICS LLC	N/A		\$24,141	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: PHASE II: OPTIMIZED BUILD PLATE DESIGN TOOL FOR METAL			PRODUCT INNOVATION AND						
LASER POWDER BED ADDITIVE	12.RD	00067042	ENGINEERING LLC	00067042		\$89,948	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
PHASE II: ONSITE STRUCTURAL RESTORATION METHODS FOR			PRODUCT INNOVATION AND						
AIRCRAFT COMPONENTS	12.RD	N/A	ENGINEERING LLC	N/A		\$67,323	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
			PRODUCT INNOVATION AND						
PRECISION MACHINING OF COMPOSITE STRUCTURES	12.RD	N/A	ENGINEERING LLC	N/A		\$16,806	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
			PRODUCT INNOVATION AND						
ADDITIVE MANUFACTURING OF ALUMINUM ALLOY COMPONENTS	12.RD	N/A	ENGINEERING LLC	N/A		\$17,936	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: PHASE II: ADVANCED MECHANICAL TESTING (AMT) SYSTEM			PRODUCT INNOVATION AND						
FOR HIGHLY IRRADIATED MATERIALS	12.RD	N/A	ENGINEERING LLC	N/A		\$80,978	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: PHASE I: FATIGUE PREDICTION FOR ADDITIVE			PRODUCT INNOVATION AND						
MANUFACTURED (AM) METALLIC COMPONENTS	12.RD	N/A	ENGINEERING LLC	N/A		\$34,375	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
STTR: PHASE I: ADDITIVE MANUFACTURING OF INORGANIC			PRODUCT INNOVATION AND						
TRANSPARENT MATERIALS FOR ADVANCED OPTICS	12.RD	N/A	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			PRODUCT INNOVATION AND						
COMPONENTS	12.RD	N/A	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
			RADIATION DETECTION						
ADVANCED SILICON DIODE SWITCH FOR HPRF SYSTEMS	12.RD	0049209	TECHNOLOGIES INC	0049209		\$178,049	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
R960 EVALUATING ALTERNATIVE MAINTENANCE FORCE STRUCTURE							4		4
CONCEPTS FOR THE F-35A	12.RD	9920180106	RAND COPORATION	9920180106		\$15,341	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
R970 OPTIMAL BASING POSTURE FOR CONUS-BASED FORCES	12.RD	9920190001	RAND COPORATION	9920190001		\$12,391	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
R920 - FIGHTING FROM NON-SANCTUARY BASES IN THE INDO-							4		4
PACIFIC AREA OF OPERATIONS	12.RD	9920190003	RAND COPORATION	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 COPORATION	SCON-00000270		\$19,136	\$7,354,823	RESEARCH AND DEVELOPMENT	Ć170 747 C21
	12.KD	3CON-00000270	KAND COPORATION	3CON-00000270		\$19,130	\$7,354,823	RESEARCH AND DEVELOPINENT	\$178,747,631
EVALUATION OF EFFECTIVENESS AND COSTS OF ALTERNATIVE	12.RD	5504 0000000	04410 50000471041	550M 00000000		445.042	\$7,354,823	RESEARCH AND DEVELOPMENT	6470 747 634
SUPPORT STRATEGIES AND POSTURE OPTIONS HIGH STRENGTH LIGHTWEIGHT STEELS FOR IMPROVED MILITARY	12.KD	SCON-00000288	RAND COPORATION STEEL FOUNDERS' SOCIETY OF	SCON-00000288		\$16,043	\$7,354,823	RESEARCH AND DEVELOPINENT	\$178,747,631
READINESS	12.RD	2017-106	AMERICA	2017-106		\$101,210	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
IMPROVED PREDICTION OF TERMINAL BALLISTIC EVENTS USING	12.10	2017-100	AIWERICA	2017-100		\$101,210	\$7,334,023	RESEARCH AND DEVELOPINENT	\$170,747,031
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	12.110	313-033003	TEXAS RESEARCH INSTITUTE AT	315-055005		\$1,000	\$7,554,625	NESEARCH AND DEVELOT WENT	\$170,747,031
THIN RESISTIVE COATINGS	12.RD	F-30130G-500-01-SC1750	AUSTIN	F-30130G-500-01-SC1750		\$8,828	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
SBIR: NONDESTRUCTIVE EVALUATION OF COMPOSITE SUBSTRATE	12	7 301300 300 01 301730	TEXAS RESEARCH INSTITUTE AT	7 301300 300 01 301730		\$0,020	Ç7,334,023	NESE WELL BEVELO WELL	\$170,747,031
BELOW THICK TOP COAT MATERIALS	12.RD	F-30131G-500-01-SC1757	AUSTIN	F-30131G-500-01-SC1757		-\$1,302	\$7,354,823	RESEARCH AND DEVELOPMENT	\$178,747,631
ENABLING FORMATION FLYING WITH MULTI-MODE			UTAH STATE UNIVERSITY RESEARCH			7-/	Ţ.,,,		7-10/11/00-
MICROPROPULSION	12.RD	CP0053709	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
TOTAL DEPARTMENT OF DEFENSE					1 .,	,.,	1. ,	,	
					\$3,815,258	\$28,982,072			
DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT									
			MISSOURI HOUSING DEVELOPMENT						
CONTINUUM OF CARE PROGRAM	14.267		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	86543J19P00007				\$75,861	\$75,861	N/A	\$0
TOTAL DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT									
					_	\$99,690			
DEPARTMENT OF THE INTERIOR									
			MISSOURI DEPARTMENT OF						
			CONSERVATION	200					
CDORT SIGN DESTAN ATION PROCESSA	45.605		MISSOURI DEPARTMENT OF	380		6472.455	4472	DECEMBEL AND DELIE OR	4470 747
SPORT FISH RESTORATION PROGRAM	15.605		CONSERVATION	424		\$172,429	\$172,429	RESEARCH AND DEVELOPMENT	\$178,747,631
MAIL DUTTE DECEMBATION AND DACIC HUNTED EDUCATION	15.611		KANSAS WILDLIFE, PARKS AND	A1/A		ćc2 02 t	¢400 427	DECEMBELL AND DEVELOPMENT	6170 747 624
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		TOURISM	N/A		\$62,924	\$490,127	RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	Identifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
			MISSOURI DEPARTMENT OF CONSERVATION MISSOURI DEPARTMENT OF	257					
			CONSERVATION MISSOURI DEPARTMENT OF	357 369					
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		CONSERVATION	377	\$35,787	\$249,093	\$490,127	RESEARCH AND DEVELOPMENT	\$178,747,631
WILDLIFE RESTORATION AND BASIC HUNTER EDUCATION	15.611		NEBRASKA GAME AND PARKS	N/A	\$33,707	\$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						
STATE WILDLIFE GRANTS	15.634		COMMISION	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	Ć170 747 C21
MIGRATORY BIRD JOINT VENTURES	15.634	F19AP00254	DEPARTMENT	531025		\$9,918	\$34,459 \$25,527	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
WIIGHATONT BIND JOINT VENTONES	13.037	F15AF00234	KANSAS WILDLIFE, PARKS AND			323,327	\$23,321	RESEARCH AND DEVELOPMENT	\$170,747,031
COOPERATIVE LANDSCAPE CONSERVATION	15.669		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 NATIONAL COOPERATIVE GEOLOGIC MAPPING PROGRAM	15.808 15.810	G20AC00127 G19AC00218				\$1,713 \$196	\$70,964 \$196	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM	15.812	G16AC00272				\$13,259	\$284,218	RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH UNITS PROGRAM 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 UNIVERSITY OF MASSACHUSETTS	12 007036 E 20 015184 C 00		\$29,952	\$29,952	RESEARCH AND DEVELOPMENT	\$178,747,631
			MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI DEPARTMENT OF	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 \$1,482	N/A	\$0 \$178,747,631
NATURAL RESOURCE STEWARDSHIP NATURAL RESOURCE STEWARDSHIP	15.944 15.944	RM-AQ-2018-027 RM-AQ-2019-197				\$3 \$1,479	\$1,482	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
COOPERATIVE RESEARCH AND TRAINING PROGRAMS & RESOURCES OF THE	13.544	NW-AQ-2015-157				\$1,475	31,402	RESEARCH AND DEVELOPMENT	\$170,747,031
NATIONAL PARK SYSTEM COOPERATIVE RESEARCH AND TRAINING PROGRAMS & RESOURCES OF THE	15.945	P15AC01749				\$15,542	\$39,482	N/A	\$0
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
TOTAL DEPARTMENT OF THE INTERIOR					\$53,693	\$1,555,407			
DEPARTMENT OF JUSTICE						7-7-0007 101			
COMMUNITY-BASED VIOLENCE PREVENTION PROGRAM GRANTS TO REDUCE DOMESTIC VIOLENCE, DATING VIOLENCE, SEXUAL	16.123		UNITED WAY OF GREATER ST. LOUIS	N/A		\$11,013	\$11,013	N/A	\$0
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-CK-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-IJ-CX-0015			\$1,796	\$82,313	\$1,078,304	RESEARCH AND DEVELOPMENT	\$178,747,631

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	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND									
DEVELOPMENT PROJECT GRANTS NATIONAL INSTITUTE OF JUSTICE RESEARCH, EVALUATION, AND	16.560	2016-CK-BX-0004				\$623,999	\$1,078,304	RESEARCH AND DEVELOPMENT	\$178,747,631
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	10.500		CAN	20-01/152-1-1451		\$32,700	\$1,070,304	RESEARCH AND DEVELOT MENT	\$170,747,031
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			UNIVERSITY OF VIRGINIA	GG11811 147780					
DEVELOPMENT PROJECT GRANTS	16.560		UNIVERSITY OF VIRGINIA	GG12074 PO 2122567		\$72,181	\$1,078,304	RESEARCH AND DEVELOPMENT	\$178,747,631
CRIME VICTIM ASSISTANCE	16.575		MISSOURI DEPARTMENT OF CORRECTIONS	N/A		\$16,122	\$355,420	N/A	\$0
CRIME VICTIM ASSISTANCE	10.373		MISSOURI DEPARTMENT OF SOCIAL	N/A		\$10,122	\$355,420	N/A	\$0
			SERVICES						
			MISSOURI DEPARTMENT OF SOCIAL						
			SERVICES						
			MISSOURI DEPARTMENT OF SOCIAL	ER130180034					
			SERVICES MISSOURI DEPARTMENT OF SOCIAL	ER130180111 ER130200022					
CRIME VICTIM ASSISTANCE	16.575		SERVICES	ER130200022		\$339,298	\$355,420	N/A	\$0
			MISSOURI DEPARTMENT OF PUBLIC			7000/200	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	,,,
BULLETPROOF VEST PARTNERSHIP PROGRAM	16.607		SAFETY	2018BOBX18091656		\$4,298	\$4,298	N/A	\$0
			NATIONAL 4-H COUNCIL	4-H NMP8			4		
JUVENILE MENTORING PROGRAM	16.726		NATIONAL 4-H COUNCIL	N/A		\$67,825	\$67,825	N/A	\$0
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738		MISSOURI DEPARTMENT OF NATURAL RESOURCES	CS182319001		\$6,500	\$31,846	N/A	\$0
EDWARD BYRNE WEWORIAL JUSTICE ASSISTANCE GRANT PROGRAW	10.738		KANSAS CITY MISSOURI POLICE	C3102313001		30,300	331,840	NyA	ŞU
EDWARD BYRNE MEMORIAL JUSTICE ASSISTANCE GRANT PROGRAM	16.738		DEPARTMENT	2016-WY-BX-0006		\$25,346	\$31,846	RESEARCH AND DEVELOPMENT	\$178,747,631
			KANSAS CITY MISSOURI POLICE						
EDWARD BYRNE MEMORIAL COMPETITIVE GRANT PROGRAM	16.751		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		642.070	\$92,405	RESEARCH AND DEVELOPMENT	\$178,747,631
HAROLD ROGERS PRESCRIPTION DRUG MONITORING PROGRAM	16.754		ST. LOUIS COUNTY MISSOURI	38-663		\$13,070 \$56,262	\$56,262	RESEARCH AND DEVELOPMENT	\$178,747,631
TIANOED NOCERS I RESCRIT TION DIVOG MONTORING I ROGINALI	10.754		CITY OF ST. LOUIS DEPARTMENT OF	30-003		330,202	<i>\$30,202</i>	RESEARCH AND DEVELOT MENT	\$170,747,031
BYRNE CRIMINAL JUSTICE INNOVATION PROGRAM	16.817		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	DIA 45 AUDO V 0404	ST. LOUIS CITY MISSOURI	N/A		\$15,375	\$15,375	N/A RESEARCH AND DEVELOPMENT	\$0
ATF EXPLOSIVE ENGINEERING COURSES UMKC/CFA CLEARMYRECORD EXPUNGEMENT PROJECT	16.RD 16.U01	DJA-15-AHDQ-K-0184 19998	JACKSON COUNTY MISSOURI	19998		\$331,545 \$17,396	\$331,545 \$17,396	N/A	\$178,747,631 \$0
TOTAL DEPARTMENT OF JUSTICE	10.001	15550	SACKSON COONTI WIISSOON	19998		\$17,330	Ş17,330	IV/A	ŞU
					\$88,061	\$2,228,233			
DEPARTMENT OF LABOR									
			MISSOURI DEPARTMENT OF						
WIA DISLOCATED WORKER FORMULA GRANTS	17.278		ECONOMIC DEVELOPMENT	10-36-36-18		-\$42	\$42,687	WIOA CLUSTER	\$42,687
			MISSOURI DEPARTMENT OF HIGHER	2000000		· · ·	,,		¥ .=/***
			EDUCATION AND WORKFORCE						
WIA DISLOCATED WORKER FORMULA GRANTS	17.278		DEVELOPMENT	10-36-36-19		\$42,729	\$42,687	WIOA CLUSTER	\$42,687
TOTAL DEPARTMENT OF LABOR						442.007			
					_	\$42,687			
DEPARTMENT OF STATE									
PUBLIC DIPLOMACY PROGRAMS	19.040	SIN65017CA005				\$2,800	\$2,800	N/A	\$0
TOTAL DEPARTMENT OF STATE									
					_	\$2,800			
DEPARTMENT OF TRANSPORTATION									
SECONDET OF INABSPORTATION									
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 HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200 20.200	693JJ31950023 DTFH6116H00001			\$43,676	\$117,674 \$24,622	\$863,384 \$863,384	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200	DILUGITOUOUOT	IOWA STATE UNIVERSITY	021231B		\$24,622 \$27,540	\$863,384 \$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
							,,		, ,

	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
_	· · · · · · · · · · · · · · · · · · ·		(opnomy	OKLAHOMA DEPARTMENT OF TRANSPORTATION		out recipients	Experiarca	70101		70101
				OKLAHOMA DEPARTMENT OF	3459056367					
	HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		TRANSPORTATION	OKSPR ITEM 2279		\$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 TRANSPORTATION RESEARCH BOARD TRANSPORTATION RESEARCH BOARD	HR 04-40 HR 20-05(50-01) HR 20-05(50-11)					
	HIGHWAY RESEARCH AND DEVELOPMENT PROGRAM	20.200		TRANSPORTATION RESEARCH BOARD	HR 20-05(51-03)	\$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
	HIGHWAI PENNING AND CONSTRUCTION	20.203		MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF MISSOURI DEPARTMENT OF	5060601C 5064401C TR201801 TR201908 TR202001		,23 <u>2</u>	0,007 مريد	HIGHWAY PLANNING AND	3342,476
	HIGHWAY PLANNING AND CONSTRUCTION	20.205		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	TR201807 TR201809 TR201811 TR201901 TR201904 TR201905 TR201910 TR201912 TR201912					
	HIGHWAY PLANNING AND CONSTRUCTION	20.205		TRANSPORTATION MISSOURI DEPARTMENT OF	TR2020 04	\$6,738	\$625,809	\$1,587,682	RESEARCH AND DEVELOPMENT	\$178,747,631
				TRANSPORTATION MISSOURI DEPARTMENT OF	TR2020 08 TR202002 TR202005 TR202009 TR202012 TR202013 TR202023					
	HIGHWAY PLANNING AND CONSTRUCTION	20.205		TRANSPORTATION	TR202024	\$13,431	\$245,462	\$1,587,682	RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
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	693JJ31945079	7.5117.27.222	.,,.		\$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			MISSOURI DEPARTMENT OF						
PROGRAM	20.509		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 MISSOURI DEPARTMENT OF TRANSPORTATION	19-CP-09-005 19-DE-02001 19-EM-02-001 19-RS-11-002					
			MISSOURI DEPARTMENT OF	19-TSP-14-001					
STATE AND COMMUNITY HIGHWAY SAFETY	20.600		TRANSPORTATION MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF	20-EM-02-001 20-CP-09-004 20-DE-02-002	\$9,127	\$169,617	\$489,665	HIGHWAY SAFETY CLUSTER	\$429,067
STATE AND COMMUNITY HIGHWAY SAFETY	20.600		TRANSPORTATION	20-TSP-14-002	\$22,630	\$320,048	\$489,665	RESEARCH AND DEVELOPMENT	\$178,747,631
			MISSOURI DEPARTMENT OF						
ALCOHOL OPEN CONTAINER REQUIREMENTS	20.607		TRANSPORTATION	19-154-AL-153	\$3,545	\$30,183	\$30,183	N/A	\$0
			MISSOURI DEPARTMENT OF TRANSPORTATION MISSOURI DEPARTMENT OF	19-M5TR-03-006					
NATIONAL PRIORITY SAFETY PROGRAMS	20.616		TRANSPORTATION	20-M5TR-03-003		\$259,450	\$279,450	HIGHWAY SAFETY CLUSTER	\$429,067
			MISSOURI DEPARTMENT OF PUBLIC						
NATIONAL PRIORITY SAFETY PROGRAMS UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.616 20.701	69A3551747126	SAFETY	N/A	ACCE 075	\$20,000	\$279,450 \$1.911.223	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
UNIVERSITY TRANSPORTATION CENTERS PROGRAM UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	DTRT13-G-UTC45			\$665,975 \$59,776	\$1,106,711 \$325,952	\$1,911,223	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
UNIVERSITY TRANSPORTATION CENTERS PROGRAM	20.701	D1K113-G-01043	IOWA STATE UNIVERSITY	436-77-40	-\$198	-\$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	693JK31850012CAAP				\$93,959	\$120,792	RESEARCH AND DEVELOPMENT	\$178,747,631
PIPELINE SAFETY RESEARCH COMPETITIVE ACADEMIC AGREEMENT PROGRAM (CAAP)	20.724	693JK31950005CAAP				\$26,833	\$120,792	RESEARCH AND DEVELOPMENT	\$178,747,631
PREPARATION AND PRODUCTION OF AN NVPM ELMS COURSE.	20.724 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 UPDATE TARGETED WORK ZONE ENGAGEMENT FRAMEWORK AND	20.RD	436-17-47E	IOWA STATE UNIVERSITY	436-17-47E		\$946	\$35,235	RESEARCH AND DEVELOPMENT	\$178,747,631
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	20		VIRGINIA SPACE GRANT	A1/5				05554050 4400 5	A,
USE OF A WHEELCHAIR SIMULATOR THEORETICAL ANALYSIS OF GAS-FIRED BINARY-FLUID SORPTION-	20.RD	N/A	CONSORTIUM	N/A		\$1,803	\$35,235	RESEARCH AND DEVELOPMENT	\$178,747,631
ASSISTED EJECTOR HEAT PUMP FOR WATER HEATING DEVELOPMENT OF DESIGN GUIDANCE FOR BELOW GROUND MASS	20.U01	4000173558	BATTELLE OAK RIDGE NATIONAL LAB	4000173558		\$8,264	\$8,264	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
TOTAL DEPARTMENT OF TRANSPORTATION					\$1,246,060	\$6,283,167			
DEPARTMENT OF TREASURY									
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
TOTAL DEPARTMENT OF TREASURY					_	\$82,577			
OFFICE OF PERSONNEL MANAGEMENT									
INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM	27.011	1843371				\$227,319	\$227,319	RESEARCH AND DEVELOPMENT	\$178,747,631
TOTAL OFFICE OF PERSONNEL MANAGEMENT					_	\$227,319			

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	Identifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title NATIONAL AERONAUTICS & SPACE ADMINISTRATION	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
SCIENCE	43.001	NNX16AP49H				\$11,570	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,63
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 JET PROPULSION LAB JET PROPULSION LAB	1549171 1632718 RSA #1646164					
SCIENCE	43.001		JET PROPULSION LAB	RSA 1623696		\$104,568	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE	43.001		PURDUE UNIVERSITY SMITHSONIAN ASTROPHYSICAL OBSERVATORY SMITHSONIAN ASTROPHYSICAL OBSERVATORY SMITHSONIAN ASTROPHYSICAL	12000289-07 G00-21115X G07-18123A		\$19,185	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
SCIENCE	43.001		OBSERVATORY	TM9-20009X		\$51,036	\$638,160	RESEARCH AND DEVELOPMENT	\$178,747,631
			SPACE TELESCOPE SCIENCE			, , , , , , ,	, , , , ,		, ,
SCIENCE	43.001		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	NNX15AM51A			\$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
CLIMATIC AND SOCIOECONOMIC DRIVERS OF LAND-COVER AND			SCIENCE SYSTEMS AND						
LAND-USE CHANGE IN TROPICAL ANDEAN ALPINE WETLANDS	43.RD	21512-16-003	APPLICATIONS INC	21512-16-003		\$304	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
DWARFS IN THE DEEPEST FIELDS AT NOON: STUDYING SIZE AND SHAPE OF LOW-MASS GALAXIES OUT TO 2"3 IN FIVE HST LEGACY FIELDS	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
UNIFYING THE INTERSTELLAR EXTINCTION AND ELEMENTAL ABUNDANCES: A COMPREHENSIVE STUDY OF THE DUST PROPERTIES IN INDIVIDUAL INTERSTELLAR SIGHT LINES	43.RD	HST-AR-15037.001-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-AR-15037.001-A		\$49	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
			SPACE TELESCOPE SCIENCE						
UV LIGHT REVEALS THE LIFE OF GIANT STAR-FORMING CLUMPS DETERMINING THE ROLE OF MERGING IN THE GROWTH OF THE	43.RD	HST-AR-15798.001-A	INSTITUTE	HST-AR-15798.001-A		\$6,343	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
GALAXY CLUSTER POPULATION IN THE MASSIVE AND DISTANT CLUSTERS OF WISE SURVEY	43.RD	HST-GO-14456.001-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-14456.001-A		\$34,247	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
ULTRAVIOLET SPECTROSCOPY OF THE DUST EXTINCTION IN THE M31 INNER BULGE	43.RD	HST-GO-15164.004-A	SPACE TELESCOPE SCIENCE INSTITUTE	HST-GO-15164.004-A		\$380	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
BUILDING THE SPT-HST LEGACY: IMAGING MASSIVE CLUSTERS TO			SPACE TELESCOPE SCIENCE						
Z=1.5	43.RD	HST-GO-15307.003-A	INSTITUTE	HST-GO-15307.003-A		\$1,182	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
ULTRAVIOLET IMAGING OF THE COSMIC ASSEMBLY NEAR- INFRARED DEEP EXTRAGALACTIC LEGACY SURVEY FIELDS (UVCANDELS)	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
SBIR: THIN-PLY COMPOSITE TECHNOLOGY AND APPLICATIONS	43.RD	2091-001-01	TECHNICAL DATA ANALYSIS INC	2091-001-01		\$33,971	\$229,063	RESEARCH AND DEVELOPMENT	\$178,747,631
DESIGN OF AN ADAPTIVE REAL-TIME MILLIMETER WAVE IMAGING SYSTEM FOR IN-SPACE NDT APPLICATIONS - PHASE II FREQUENCY SELECTIVE SURFACE-BASED SENSING FOR WIRELESS	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
STRUCTURAL HEALTH MONITORING (T12.01 ADVANCED STRUCTURAL HEALTH MONITORING STTR PHASE II)	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
TOTAL NATIONAL AERONAUTICS & SPACE ADMINISTRATION					\$388,386	\$1,894,127			
INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES									
PROMOTION OF THE ARTS_GRANTS TO ORGANIZATIONS AND INDIVIDUALS	45.024	1853838-55-19				\$30,000	\$45,319	N/A	\$0

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	Federal	Federal Program	Cluster Name	Cluster
reaeral Awaraing Agency/Program Title	Number	(Optional)	Enuty	Enuty	Sub-Recipients	Expenditures	Total	Name	Total
PROMOTION OF THE ARTS_GRANTS TO ORGANIZATIONS AND INDIVIDUALS PROMOTION OF THE ARTS_GRANTS TO ORGANIZATIONS AND	45.024	1854899-54-19				\$2,769	\$45,319	N/A	\$0
INDIVIDUALS	45.024		TEXAS A&M UNIVERSITY	02-M1801009		\$12,550	\$45,319	RESEARCH AND DEVELOPMENT	\$178,747,631
PROMOTION OF THE ARTS_PARTNERSHIP AGREEMENTS	45.025		MISSOURI ARTS COUNCIL	2020-2202		\$25,000	\$25,000	N/A	\$0
PROMOTION OF THE HUMANITIES_FEDERAL/STATE PARTNERSHIP	45.129		MISSOURI HUMANITIES COUNCIL	2168		\$1,493	\$1,493	N/A	\$0
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
NATIONAL LEADERSHIP GRANTS LAURA BUSH 21ST CENTURY LIBRARIAN PROGRAM	45.312 45.313	RE-17-19-0022-19	PENNSYLVANIA STATE UNIVERSITY	5901-UM-IMLS-0236		\$3,805 \$112,509	<i>\$37,002</i> \$112,509	RESEARCH AND DEVELOPMENT N/A	\$178,747,631 \$0
TOTAL INSTITUTE OF MUSEUM AND LIBRARY SERVICES OR NATIONAL ENDOWMENT FOR THE ARTS OR NATIONAL ENDOWMENT FOR THE HUMANITIES	43.313	NE-1/-13-0022-13			\$66,696	\$334,783	\$112,309	iya	30
NATIONAL SCIENCE FOUNDATION									
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 ENGINEERING	47.041 47.041	1609642 1406533				\$29,733	\$3,610,097	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041 47.041	1406533				\$101,825 \$132,424	\$3,610,097 \$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631 \$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			72,.55	\$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 ENGINEERING	47.041 47.041	1510085 1702841				\$14,249	\$3,610,097 \$3,610,097	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1706894				\$120,552 \$365	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631 \$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 ENGINEERING	47.041 47.041	1562543 1563029				\$20,807 \$34,293	\$3,610,097 \$3,610,097	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$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 ENGINEERING	47.041 47.041	1825352 1830479				\$115,580 \$7,015	\$3,610,097 \$3,610,097	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ENGINEERING	47.041	1830479				\$139,174	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041 47.041	1843892 1846673				\$139,174	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1901740			\$20,970	\$45,012	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
	17.571	1301740			920,570	732,303	\$3,010,03 <i>1</i>		7170,747,031

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount	F. d. od	Federal	6 1	et
Federal Awarding Agency/Program Title	Listing Number	Identification (Optional)	Pass-Through Entity	Pass-Through Entity	Provided to Sub-Recipients	Federal Expenditures	Program Total	Cluster Name	Cluster Total
ENGINEERING	47.041	1902069	Linuty		\$12,730	\$100,429	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1917055				\$12,320	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1930873				\$23,012	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1930881				\$20,578	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1932690				\$70,845	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1440110				\$28,508	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING ENGINEERING	47.041 47.041	1547949 1929292				\$28,679 \$16,593	\$3,610,097 \$3,610,097	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ENGINEERING	47.041	1940870				\$44,220	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	2022602				\$2,232	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041	1827846				-\$15,170	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		BOISE STATE UNIVERSITY	8437-PO125243		\$452	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		CAREGIE MELLON UNIVERSITY	1122191-351314		-\$1	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		IMPEDX DIAGNOSTICS	N/A		\$195,688	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		LEHIGH UNIVERSITY	543871-78001		\$3,253	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		LINCOLN UNIVERSITY	2019-8253-MS&T		\$18,041	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		LIQUID CARBONIC LLC	N/A		\$19,429	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		NORTH CAROLINA STATE UNIVERSITY	2008-1015-03		\$15,297	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		PLASMONIC DIAGNISTICS LLC	N/A		\$4,716	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		RESEARCH FOUNDATION OF SUNY	87162 /2/1159175		\$11,500	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		RUTGERS UNIVERSITY	SUBAWARD NO. 2, PO711356		\$139,053	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		TUFTS UNIVERSITY UNIVERSITY OF KENTUCKY	100854-00001		\$61,871	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		RESEARCH FOUNDATION	3200001492-18-080		\$10,085	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
ENGINEERING	47.041		UNIVERSITY OF TENNESSEE	A17-0549-S001-A02		\$38,657	\$3,610,097	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1362431				\$23,167	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1463724				\$1,991	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1554776				\$109,922	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1609061				\$103,974	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1642913				\$8,804	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1720001				\$54,110	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1722647				\$39,534	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1800350				\$96,219	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049	1800578 1808394				\$48,005 \$15,811	\$4,208,738 \$4,208,738	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049	1808394				\$15,811	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1827756				-\$7,804	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1828489				\$158,130	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1839210				\$11,674	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1906109				\$10,339	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1566246				\$915	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1566442				\$50,089	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1710594				\$192,615	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1764437				\$125,033	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1808672				\$213,031	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1841346				\$30,739	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1856522			\$13,913	\$57,380	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1955239				\$25,384	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1464111				\$41,049	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1552871				\$13,308	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049	1709792				\$81,371	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1710313 1729227				\$110,625 \$203,909	\$4,208,738 \$4,208,738	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1729779				\$245,322	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1742086				\$134,569	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1757936				\$78,612	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1807263				\$171,073	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1809128				\$151,492	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1809160				\$117,753	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1810922				\$152,054	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1905442				\$3,100	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	2028803				\$22,320	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1609760				\$54,678	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1615789				\$20,501	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1620465				\$53,196	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1664047				\$50,186	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1700036				\$62,271	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1700046				\$39,370	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
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 MATHEMATICAL AND PHYSICAL SCIENCES	47.049 47.049	1901871 1906725				\$36,106 \$85,755	\$4,208,738 \$4,208,738	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES MATHEMATICAL AND PHYSICAL SCIENCES	47.049	1900725				\$3,906	\$4,208,738	RESEARCH AND DEVELOPMENT	\$178,747,631
MATHEMATICAL AND PHYSICAL SCIENCES 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 GEOSCIENCES	47.050 47.050	1419906 1519980				\$3,058 \$49,369	\$849,214 \$849,214	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
GEOSCIENCES	47.050	1620591				\$8,312	\$849,214	RESEARCH AND DEVELOPMENT	\$178,747,631 \$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			ćc: -22	\$12,848	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070 47.070	1827177 2006816			\$65,522	\$189,486 \$1,552	\$4,652,630 \$4,652,630	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1461914				\$1,332	\$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	1909520				\$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

	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
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 47.070	1533918				\$21,571	\$4,652,630	RESEARCH AND DEVELOPMENT	\$178,747,631
COMPUTER AND INFORMATION SCIENCE AND ENGINEERING COMPUTER AND INFORMATION SCIENCE AND ENGINEERING	47.070	1617443 1725755				\$95,394 \$21,482	\$4,652,630 \$4,652,630	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$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	UWSC9974/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			4	\$55,341	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES	47.074 47.074	1444448 1457319			\$1,405	\$770,334	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074	1545780				\$51,934 \$133,354	\$9,066,630 \$9,066,630	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074	1557806				\$159,235	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074	1638550				\$49,130	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES 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 BIOLOGICAL SCIENCES	47.074 47.074	1818298 1818312			\$59,051	\$119,240 \$332,670	\$9,066,630 \$9,066,630	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074	1936590				\$386,649	\$9,066,630		\$178,747,631
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074	1930590			\$12,579	\$7,063	\$9,066,630	RESEARCH AND DEVELOPMENT 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			\$52,589	\$49,021	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074 47.074	1754201 1758843			\$52,589	\$256,311 \$174,066	\$9,066,630 \$9,066,630	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
BIOLOGICAL SCIENCES 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 BIOLOGICAL SCIENCES	47.074	1856093			Ş203,30 4	\$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
BIOLOGICAL SCIENCES	47.074		CARY INSTITUTE OF ECOSYSTEM STUDIES	3392/200201970		\$5,299	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074		IOWA STATE UNIVERSITY	420-41-14B		\$164,918	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOLOGICAL SCIENCES BIOLOGICAL SCIENCES	47.074		ST LOUIS UNIVERSITY	ERS# 44521 ERS# 39493		\$162,172	\$9,066,630	RESEARCH AND DEVELOPMENT	
DIOLOGICAL SCIENCES	47.U/4		ST LOUIS UNIVERSITY UNIVERSITY OF GEORGIA	RC371-288/S000904		2102,172	050,000,530	NESCANCH AND DEVELOPINEN!	\$178,747,631
BIOLOGICAL SCIENCES	47.074		UNIVERSITY OF GEORGIA	SUB00000817		\$398,960	\$9,066,630	RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
Federal Awarding Agency/Program Title	Listing Number	Identification (Optional)	Pass-Through Entity	Pass-Through Entity	Provided to Sub-Recipients	Federal Expenditures	Program Total	Cluster Name	Cluster Total
BIOLOGICAL SCIENCES	47.074	(Optional)	UNIVERSITY OF MINNESOTA	H004551101	Sub-Recipients	\$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 SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075 47.075	1460719 1847486				\$7,282 \$13,512	\$696,352 \$696,352	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$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 SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075 47.075	1621158 1658345				\$100,471	\$696,352 \$696,352	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075	1658345				\$563 \$27,102	\$696,352	RESEARCH AND DEVELOPMENT	\$178,747,631 \$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 SOCIAL, BEHAVIORAL, AND ECONOMIC SCIENCES	47.075 47.075	1733990 1953798			\$30,767	\$87,130 \$6,888	\$696,352 \$696,352	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$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	2021000	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 1646888				\$125,896	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076 47.076	1646888				-\$6,041 \$347.354	\$2,622,865 \$2,622,865	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$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			Ģ113,311	\$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 EDUCATION AND HUMAN RESOURCES	47.076 47.076	1545177 1842485				\$27,949 \$235,875	\$2,622,865 \$2,622,865	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES EDUCATION AND HUMAN RESOURCES	47.076	1316683				\$10,102	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631 \$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	UARRIC CTOME STATE COMESE	4540520		\$23,395	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
EDUCATION AND HUMAN RESOURCES	47.076		HARRIS STOWE STATE COLLEGE HARRIS STOWE STATE COLLEGE	1619639 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
			JOHNSON COUNTY COMMUNITY			,,,,			
EDUCATION AND HUMAN RESOURCES	47.076		COLLEGE	N/A		\$8,423	\$2,622,865	RESEARCH AND DEVELOPMENT	\$178,747,631
			MIDDLE TENNESSEE STATE						
EDUCATION AND HUMAN RESOURCES	47.076		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	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
TOTAL NATIONAL SCIENCE FOUNDATION									
					\$3,203,659	\$28,062,839			
						_			
SMALL BUSINESS ADMINISTRATION									
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

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
TOTAL SMALL BUSINESS ADMINISTRATION	- Trumber	(ориония	Linuxy	Limity	Sub-necipients	Experiorers	Total	, and	Total
					\$854,819	\$2,240,175			
DEPARTMENT OF VETERANS AFFAIRS									
SELANTINE OF VELETIONS ATTAINS									
POSTTRAUMATIC STRESS DISORDER AND TRAUMATIC BRAIN INJURY IN									
WOMEN SURVIVORS OF INTIMATE PARTNER VIOLENCE DEPT. OF VETERANS AFFAIRS CONTRACT	64.RD 64.RD	36C24118C0076 36C26319C0108				\$914,828 \$17,598	\$2,068,426 \$2,068,426	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$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	64.RD	**/*	MINNEAPOLIS VA HEALTH CARE	**/*		640.040	63.050.435	05554050 4410 05051004545	6470 747 624
SCHIZOPHRENIA TOTAL DEPARTMENT OF VETERANS AFFAIRS	64.KD	N/A	SYSTEM	N/A		\$19,018	\$2,068,426	RESEARCH AND DEVELOPMENT	\$178,747,631
					_	\$2,068,426			
ENVIRONMENTAL PROTECTION AGENCY									
			MISSOURI DEPARTMENT OF						
			NATURAL RESOURCES						
			MISSOURI DEPARTMENT OF						
			NATURAL RESOURCES MISSOURI DEPARTMENT OF	G19-NPS-06					
			NATURAL RESOURCES	G19-NPS-07					
			MISSOURI DEPARTMENT OF	G19-NPS-14					
NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460		NATURAL RESOURCES	G19-NPS-15		\$369,262	\$375,591	N/A	\$0
			SCHUYLER COUNTY SOIL & WATER						
			CONSERVATION DISTRICT SCHUYLER COUNTY SOIL & WATER	G14-NPS-01					
NONPOINT SOURCE IMPLEMENTATION GRANTS	66.460		CONSERVATION DISTRICT	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	A MICCOLUDA DEDA DEL AGALE OS			\$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	00.400		MISSOURI DEPARTMENT OF	7971		\$4,,,0,	Ç32,330	70112 02037211	\$47,767
FUNDS	66.468	N/A	NATURAL RESOURCES	N/A	-\$107	\$4,571	\$52,358	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
33374141312111	00.510	30 03330201	MISSOURI DEPARTMENT OF			\$25,000	\$25,000	NESE/MEIT/MB DEVELOT MEIT	<i>\$170,747,031</i>
PERFORMANCE PARTNERSHIP GRANTS	66.605		AGRICULTURE	N/A		\$30,002	\$30,002	N/A	\$0
RESEARCH, DEVELOPMENT, MONITORING, PUBLIC EDUCATION,	CC 74.C		EVERTUSION FOUNDATION	54 3040 55		620.540	620.540	**/*	ćo
TRAINING, DEMONSTRATIONS, AND STUDIES WA 4-34 LOW-BROMIDE ANALYSIS	66.716 66.RD	MS&T-20-001	EXTENSION FOUNDATION PEGASUS TECHNICAL SERVICES INC	SA-2019-56 MS&T-20-001		\$20,649 \$1,490	\$20,649 \$1,490	N/A RESEARCH AND DEVELOPMENT	\$0 \$178,747,631
TOTAL ENVIRONMENTAL PROTECTION AGENCY	00.ND	WI3&1-20-001	TEGASOS TECHNICAE SERVICES INC	W3&1-20-001		\$1,450	\$1,450	RESEARCH AND DEVELOT MENT	\$176,747,031
					\$24,410	\$670,842			
NUCLEAR REGULATORY COMMISSION									
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									4
PROGRAM U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP	77.008	31310018M0015				\$101,230	\$569,200	RESEARCH AND DEVELOPMENT	\$178,747,631
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	77.000	24240040840022				622.207	\$569.200	RESEARCH AND DEVELOPMENT	6170 747 624
PROGRAM U.S. NUCLEAR REGULATORY COMMISSION SCHOLARSHIP AND FELLOWSHIP	77.008	31310019M0030				\$32,297	\$569,200	RESEARCH AND DEVELOPMENT	\$178,747,631
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
TOTAL NUCLEAR REGULATORY COMMISSION						\$569,200			
					_	\$303,200			
DEPARTMENT OF ENERGY									

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
endered a control accordance on with	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity MISSOURI DEPARTMENT OF	Entity	Sub-Recipients	Expenditures	Total	Name	Total
STATE ENERGY PROGRAM	81.041		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 OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049 81.049	DE-SC0019114 DE-SC0019218				\$182,530 \$130,787	\$2,980,312 \$2,980,312	RESEARCH AND DEVELOPMENT 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 \$178,747,631
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM 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			<i>γ</i> ,,,112	\$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
			COLD SPRINGS HARBOR LAB	51850213					
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		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	22915-M					
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		CENTER	23410-M		\$90,186	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
OFFICE OF SCIENCE PHNANCIAL ASSISTANCE PROGRAM	01.045		MASSACHUSETTS INSTITUTE OF	23410-101		350,180	\$2,500,512	RESEARCH AND DEVELOPMENT	3170,747,031
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		TCHNOLOGY	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
			UNIVERSITY OF SOUTHERN						
OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM	81.049		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 81.086		UNIVERSITY OF WASHINGTON	UWSC9930		\$29,289	\$2,980,312	RESEARCH AND DEVELOPMENT	\$178,747,631
CONSERVATION RESEARCH AND DEVELOPMENT CONSERVATION RESEARCH AND DEVELOPMENT	81.086	DE-EE0008449			\$38,597	\$544,712	\$806,306 \$806,306	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
CONSERVATION RESEARCH AND DEVELOPMENT	81.086	EE0007282	METROPOLITAN ENERGY CENTER	PO S-EVST06	\$12,045	\$204,777 <i>\$29,227</i>	\$806,306	RESEARCH AND DEVELOPMENT	\$178,747,631
CONSERVATION RESEARCH AND DEVELOPMENT	81.000		METROPOLITAN ENERGY CENTER WORCESTER POLYTECHNIC	FO 3-EV3100		323,227	\$600,300	RESEARCH AND DEVELOPMENT	\$178,747,631
CONSERVATION RESEARCH AND DEVELOPMENT	81.086		INSTITUTE	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	S733-22166		\$78,210	\$833,073	RESEARCH AND DEVELOPMENT	\$178,747,631
			MISSOURI STATE UNIVERSITY	18018-1 / DE-FE0031554		4			4
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	PO528935 - 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
TOUR ENERGY NEST MENT WEST MENT	01.003		UNIVERSITY OF LOUISIANA AT	772013 001		<i>ϕ</i> 230,737	\$000,070	NEGENITOR DEVELOTIMENT	<i>\$170,747,031</i>
FOSSIL ENERGY RESEARCH AND DEVELOPMENT	81.089		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 81.121	NE0000123				\$24,611 \$168,630	\$761,906 \$761,906	N/A RESEARCH AND DEVELOPMENT	\$0 \$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	DE-NE0008702 DE-NE0008753			\$1,764	\$166,720	\$761,906	RESEARCH AND DEVELOPMENT	\$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	81.121	NE0008666			\$1,704	\$254,626	\$761,906	RESEARCH AND DEVELOPMENT	\$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND DEMONSTRATION	01.121	1420000000				32J4,U2O	3/01,500		71/0,/4/,031
DEMONSTRATION	81.121		AUBURN UNIVERSITY	20-ENG-211752-UMO		\$22,966	\$761,906	RESEARCH AND DEVELOPMENT	\$178,747,631
NUCLEAR ENERGY RESEARCH, DEVELOPMENT AND							7. 22,230		, -,,
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

	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	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	CAS TECUNOLOGY INSTITUTE	22144		\$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 DESCARCH DROIECTS ACENCY ENERGY	81.135		UNIVERSITY OF CALIFORNIA LOS ANGELES	0131 C V4000		¢20.015	\$1,129,846	RESEARCH AND DEVELOPMENT	Ć170 747 C21
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135 81.135		UNIVERSITY OF FLORIDA	0121 G XA098 UFDSP00012000		\$26,615 \$647,514	\$1,129,846 \$1,129,846	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ADVANCED RESEARCH PROJECTS AGENCT - ENERGT	81.133		VIRGINIA COMMONWEALTH	0rD3F00012000		3047,314	\$1,123,040	RESEARCH AND DEVELOPINENT	\$170,747,031
ADVANCED RESEARCH PROJECTS AGENCY - ENERGY	81.135			ED000017EC E4003		ć7.000	Ć1 120 04C	RESEARCH AND DEVELOPMENT	Ć170 747 C21
BLAST RESISTANT WINDOWS AND STRUCTURES	81.135 81.RD	US001-0000761395	UNIVERSITY BATTELLE MEMORIAL INSTITUTE	FP00001756-SA002 US001-0000761395		-\$7,988 \$282,368	\$1,129,846 \$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
PREDICTING THE PERFORMANCE AND IMPACT OF DYN		03001-0000761393	BATTELLE MEMORIAL INSTITUTE	03001-0000761393		\$282,308	\$3,403,032	RESEARCH AND DEVELOPMENT	\$178,747,031
SURFACES		4000450600	DATTELLE OAK BIDGE MATIONAL LAD	4000150508		Ć111 745	ć2 4C2 022	DECEMBELL AND DEVELOPMENT	Ć170 747 C21
	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 RADIATI		4200456707	CONSOLIDATED NUCLEAR SECURITY	4200456707		6402.572	62 462 622	DESCRIPCIO AND DELICI CONTENT	6470 747 604
CONTAMINATION	81.RD	4300156797	LLC	4300156797		\$103,572	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
MULTISCALE MODELING OF CORROSION AND OXIDATI									
PERFORMANCE AND THEIR IMPACT ON HIGH-TEMPER									4
FATIGUE OF AUTOMOTIVE EXHAUST MANIFOLD COMI	PONENTS 81.RD	AGC-RQ19-126RO5	FORD MOTOR COMPANY	AGC-RQ19-126RO5		\$133,581	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,				4		
SUMMER RESEARCH EXPERIENCE IN ADDITIVE MANUI	FACTURING 81.RD	N/A	LLC	N/A		\$38,379	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
METAL ADDITIVE MANUFACTURING MATERIALS ANAL			MANUFACTURING & TECHNOLOGIES,						
MISSOURI S&T	81.RD	N000256497	LLC	N000256497		-\$495	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
METAL ADDITIVE MANUFACTURING MATERIALS ANAL			MANUFACTURING & TECHNOLOGIES,			4			4
MISSOURI S&T	81.RD	N000285533	LLC	N000285533		\$398,469	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,						
MILLIMETER WAVE IMAGING	81.RD	N000291599	LLC	N000291599		\$37,660	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
MATERIALS FOR EXTREME ENVIRONMENTS: BORANE			MANUFACTURING & TECHNOLOGIES,						
FILLERS	81.RD	N000292317	LLC	N000292317		\$69,721	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,						
ADDITIVELY MANUFACTURED METAL CELLULAR STRU	CTURES 81.RD	N000293027	LLC	N000293027		\$72,303	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
INVESTIGATION OF CONFORMAL CELL STRUCTURES IN			MANUFACTURING & TECHNOLOGIES,						
PIPES FOR HEAT TRANSFER	81.RD	N0002931310	LLC	N0002931310		\$30,743	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,						
AM OF CERAMIC COMPOSITES	81.RD	N000293380	LLC	N000293380		\$161,073	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,						
FREQUENCY RESPONSE INSPECTION OF AM PARTS	81.RD	N000293582	LLC	N000293582		\$79,829	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
RESEARCH & DEVELOPMENT LARGE MASS DUAL BORE			MANUFACTURING & TECHNOLOGIES,						
HELICAL ELECTROMAGNETIC LAUNCHER	81.RD	N000293975	LLC	N000293975		\$63,884	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,				4		
PICK BY LIGHT SYSTEM DESIGN	81.RD	N000294091	LLC	N000294091		\$5,673	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,						
IN-SITU X-RAY ANALYSIS OF SELECTIVE LASER MELTING	§ 81.RD	N000294227	LLC	N000294227		\$37,949	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,						
HIPERCO REPLACEMENT	81.RD	N000294228	LLC	N000294228		\$88,805	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,						
VIDEO INTEGRATION INTO VIRTUAL ENVIRONMENTS	81.RD	N000294768	LLC	N000294768		\$68,326	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,						
RESEARCH ROCKETS	81.RD	N000295050	LLC	N000295050		\$3,354	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT AND FABRICATION OF THIN FILM PASS			HONEYWELL FEDERAL						
ON LOW TEMPERATURE CO-FIRED CERAMIC (LTCC) AN			MANUFACTURING & TECHNOLOGIES,				4		
SUBSTRATES	81.RD	N000295115	LLC	N000295115		\$15,512	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,				44		4
EMI SUSCEPTIBILITY ANALYSIS OF RFICS	81.RD	N000296038	LLC	N000296038		\$40,693	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	Identifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
PDRD PROJECT 704856: FUTURE GLASS SEALS	81.RD	N000297537	LLC	N000297537		\$6,397	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
APPLICATIONS OF EYE TRACKING	81.RD	N000300892	MANUFACTURING & TECHNOLOGIES, LLC	N000300892		\$9,332	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
7117 Electricity of ETE Tricking	01.115	74000300032	HONEYWELL FEDERAL	71000300032		<i>\$3,332</i>	\$3,403,032	NESCHIEFF NA SETTERS MEN	<i>\$170,747,031</i>
			MANUFACTURING & TECHNOLOGIES,						
DIGITAL PROTECTIVE ENVIRONMENT FOR SMART MANUFACTURING	81.RD	N000302943	LLC HONEYWELL FEDERAL	N000302943		\$12,549	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			MANUFACTURING & TECHNOLOGIES,						
ATOMISTIC POTENTIAL GENERATION FOR DIFFUSION PROCESSES I	81.RD	N000322300	LLC	N000322300		\$30,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
SEALING GLASS CHARACTERIZATION PROJECT	81.RD	N000332010	LLC	N000332010		\$20,457	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
AM OF ADVANCED CERAMICS	81.RD	N000335752	MANUFACTURING & TECHNOLOGIES,	N000335752		\$82,666	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
7 III OI 7 IS 7 II CES CEIU III CS	01.115	74000333732	HONEYWELL FEDERAL	7,000333732		\$02,000	\$3,403,032	NESE/MENTING DEVELOT MENT	<i>\$170,747,031</i>
			MANUFACTURING & TECHNOLOGIES,				4		4
ULTRA-HIGH TEMPERATURE CERAMICS	81.RD	N000335755	LLC HONEYWELL FEDERAL	N000335755		\$96,639	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			MANUFACTURING & TECHNOLOGIES,						
HIGH G SHOCK AND PROGRAMMABLE POWER SUPPLY	81.RD	N000335865	LLC	N000335865		\$45,014	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
ADDITIVELY MANUFACTURED METAL CELLULAR STRUCTURES	81.RD	N000335867	LLC	N000335867		\$116,264	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
ATOMIC LAYER DEPOSITION (ALD) CONFORMAL COAT	81.RD	N000336110	MANUFACTURING & TECHNOLOGIES, LLC	N000336110		\$47,247	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL			, ,	¥-0,,		7-10,111,000
			MANUFACTURING & TECHNOLOGIES,				4		4
CYBER PHYSICAL TESTER SECURITY	81.RD	N000336427	LLC HONEYWELL FEDERAL	N000336427		\$26,958	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			MANUFACTURING & TECHNOLOGIES,						
HIPERCO REPLACEMENT	81.RD	N000337270	LLC	N000337270		\$82,833	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
RFID-IN PLANT LOCATION TRACKING #704987	81.RD	N000337839	LLC	N000337839		\$52,668	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
DIGITAL PROTECTIVE EQUIPMENT	81.RD	N000338298	LLC	N000338298		\$50,333	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
VERIFICATION AND VALIDATION OF THERMOFLUID SIMULATION	81.RD	N000338330	MANUFACTURING & TECHNOLOGIES, LLC	N000338330		\$68,233	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
VERIFICATION AND VALIDATION OF THERINOFEOID SINIOLATION	61.ND	11000336330	HONEYWELL FEDERAL	11000336330		308,233	33,403,032	RESEARCH AND DEVELOPMENT	\$170,747,031
			MANUFACTURING & TECHNOLOGIES,						
RESEARCH AND SOUNDING ROCKETS	81.RD	N000338372	LLC HONEYWELL FEDERAL	N000338372		\$14,302	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			MANUFACTURING & TECHNOLOGIES,						
NEXT GENERATION CERAMIC MATERIALS	81.RD	N000340984	LLC	N000340984		\$14,301	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
FREQUENCY RESPONSE INSPECTION OF AM PARTS	81.RD	N000342832	LLC	N000342832		\$19,272	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
GLASS FIBERS	81.RD	N000343581	MANUFACTURING & TECHNOLOGIES, LLC	N000343581		\$16,851	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
GLASS FIBERS	01.ND	1000343361	HONEYWELL FEDERAL	11000343381		310,831	33,403,032	RESEARCH AND DEVELOPINENT	3170,747,031
			MANUFACTURING & TECHNOLOGIES,				4		
ADDITIVE MATERIALS EVALUATIONS	81.RD	N000343667	LLC HONEYWELL FEDERAL	N000343667		\$50,838	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
SENIOR DESIGN COURSE PROJECT: MULTI-FACTOR			MANUFACTURING & TECHNOLOGIES,						
AUTHENTICATION SYSTEM	81.RD	N/A	LLC	N/A		\$206	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
SENIOR DESIGN COURSE PROJECT: LOW LOSS POWER			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
MANAGEMENT	81.RD	N/A	LLC	N/A		\$1,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
DESIGN OF LIFTING SYSTEM FOR HEAVY FIXTURING- STUDENT DESIGN	81.RD	N/A	MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$11,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
	020			.4/7		711,000	Ç3,403,032	DEVELOTIVENT	Q170,747,031

Endord Ausseline Associations and 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	Federal Expenditures	Federal Program	Cluster Name	Cluster Total
Federal Awarding Agency/Program Title	Number	(Ориони)	HONEYWELL FEDERAL	Enuty	Sub-Recipients	Expenditures	Total	Nume	Total
			MANUFACTURING & TECHNOLOGIES,						
MINIATURE PRESSURE TESTING APPARATUS	81.RD	N/A	LLC	N/A		\$11,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
DESIGN OF A DIE TRANSFER MEGUANICM CTURENT RESIGN	04.00	**/*	MANUFACTURING & TECHNOLOGIES,	***		ć44 000	62.452.022	DECEMBELL AND DELICHODATENT	6470 747 624
DESIGN OF A DIE TRANSFER MECHANISM- STUDENT DESIGN	81.RD	N/A	LLC HONEYWELL FEDERAL	N/A		\$11,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			MANUFACTURING & TECHNOLOGIES,						
DESIGN OF A FLOATING DIE FIXTURE - STUDENT DESIGN	81.RD	N/A	LLC	N/A		\$11,000	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL						
			MANUFACTURING & TECHNOLOGIES,						
SENIOR DESIGN - ION EXCHANGE GAS	81.RD	N/A	LLC	N/A		\$1,025	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
DATA ANALYTICS FOR ADDITIVE MANUFACTURING (AM)	81.RD	PO6400424189	IIC	PO6400424189		\$5,475	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT OF HIGH THROUGHPUT MECHANICAL PROPERTIES						**,	¥-0,,		¥=,,
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						44	44		4
THE EAST RIVER, CO VALIDAITION TESTING OF LLNL ONSITE ENERGETIC MATERIAL	81.RD	7516211	LAWRENCE BERKELEY NATIONAL LAB LAWRENCE LIVERMORE NATIONAL	7516211		\$2,640	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
TRANSOPORTION CONTAINERS	81.RD	B639781	LABORATORY	B639781		\$28,532	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
UNCERTAINTY REDUCTION IN HIGH SPEED FLIGHT VEHICLE						+,	¥-0,,		7 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
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
WISSOUNI OZANK AWENIFLOX (WIOFLOX) FROJECT FRASE FOOR	01.ND	4000130069	OAK RIDGE WATTOWAL LABORATORT	4000130065		\$170,751	33,403,032	RESEARCH AND DEVELOPMENT	\$170,747,031
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	81.RD	4000167159	OAK RIDGE NATIONAL LABORATORY	4000167159		\$53,219	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
OPTIMIZATION OF ELECTRIC SHUTTLE FLEET IN AN AUTOMATED						4.4	4		4
MOBILITY DISTRICT THEORETICAL PREDICTION OF NITROGEN DIOXIDE POTENTIAL	81.RD	4000167924	OAK RIDGE NATIONAL LABORATORY	4000167924		\$13,751	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
ENERGY SURFACES AND ABSORPTION SPECTRA	81.RD	1987755	SANDIA NATIONAL LABORATORY	1987755		\$55,380	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT OF NONDESTRUCTIVE TECHNIQUE (MICROWAVE	01.110	1307733	3.000.000.000.000	1507755		\$33,300	<i>\$3,403,032</i>	NESEMICITARY DEVELOTIMENT	<i>\$170,747,031</i>
IMAGING) WITH SIGNAL ANALYSIS TOOLS ON COMPOSITES AND									
POLYMER MATERIALS	81.RD	2056331	SANDIA NATIONAL LABORATORY	2056331		\$13,829	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
PRODUCTION OF SI2N2O2/BN COMPOSITES AND COLD SINTERING							44		4
DEVELOPMENT FOR SANDIA NATIONAL LABORATORIES	81.RD 81.RD	2132640	SANDIA NATIONAL LABORATORY	2132640	Ć1 514	\$7,659	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
SOLSMART PROGRAM EVALUATION PRODUCE OPTICAL FIBER TEST SPECIMENS	81.RD	N/A 487036	SOLAR FOUNDATION TRIAD NATIONAL SECURITY LLC	N/A 487036	\$1,514	\$11,579 -\$383	\$3,463,032 \$3,463,032	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
HIGH RESOLUTION SIMULATIONS OF PARTICLE ACCELERATION IN	01.110	487030	THIAD NATIONAL SECONT TEEC	407030		-5303	<i>\$3,403,032</i>	RESEARCH AND DEVELOT WENT	\$170,747,031
SHOCK-DRIVEN MULTIPHASE FLOWS	81.RD	527153	TRIAD NATIONAL SECURITY LLC	527153		\$54,943	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
CYBER SECURITY SCIENCES INSTITUTE (CSSI)	81.RD	531898	TRIAD NATIONAL SECURITY LLC	531898		\$55,264	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
DEVELOPMENT AND APPLICATION OF RAYLEIGH BACKSCATTER									
OPTICAL MEASUREMENT SYSTEM	81.RD	540498	TRIAD NATIONAL SECURITY LLC	540498		\$65,198	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
EMBEDDING DISTRIBUTED FIBER OPTIC SENSORS IN LASER DEPOSITION MODELING METAL ADDITIVE MANUFACTURED									
COMPONENTS	81.RD	553044	TRIAD NATIONAL SECURITY LLC	553044		\$16,084	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
JOINING OF CERAMIC COMPOSITES FOR NUCLEAR APPLICATIONS	81.RD	S-155-000-001	UES	S-155-000-001		\$115,554	\$3,463,032	RESEARCH AND DEVELOPMENT	\$178,747,631
PRELIMINARY SAR REVIEW AND CONVERSION TRANSITION									
PLANNING WORK ORDER # 8	81.U01	6J-00005-0008A	ARGONNE NATIONAL LAB	6J-00005-0008A		\$41,846	\$41,846	N/A	\$0
BERYLLIUM REFLECTOR LIFETIME EXTENSION STUDY	81.U02	7J-30010-0002A	ARGONNE NATIONAL LAB	7J-30010-0002A		\$64,876	\$64,876	N/A	\$0
ARGONNE WORK ORDER #3 BOA 7J-30010	81.U03	7J-30010-0003A	ARGONNE NATIONAL LAB HONEYWELL FEDERAL	7J-30010-0003A		\$60,178	\$60,178	N/A	\$0
			MANUFACTURING & TECHNOLOGIES,						
DESIGN OF AN FPGA-BASED MODULAR SENSING ARCHITECTURE	81.U04	DE-NA0002839	LLC	DE-NA0002839		\$6,069	\$6,069	N/A	\$0
			HONEYWELL FEDERAL				, ,		
			MANUFACTURING & TECHNOLOGIES,						
SP19 SR DESIGN - DIE TRANSFER MECHANISM (HONEYWELL)	81.U05	N0002839	LLC	N0002839		\$587	\$587	N/A	\$0
CD10 CD DECIGN - METAL AM CURSTRATS TRANSPORTATION			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
SP19 SR DESIGN - METAL AM SUBSTRATE TRANSPORTATION CONTAINER	81.U06	NA0002839	MANUFACTURING & TECHNOLOGIES, LLC	NA0002839		\$3,363	\$3,363	N/A	\$0
CONTRACT	01.000	14/10002033	LLC	WA0002033		23,303	73,303	19/0	30

	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount	Fortund.	Federal	et al.	S L attack
Federal Awarding Agency/Program Title	Listing Number	Identification (Optional)	Pass-Through Entity	Pass-Through Entity	Provided to Sub-Recipients	Federal Expenditures	Program Total	Cluster Name	Cluster Total
			HONEYWELL FEDERAL						
THERMAL SET THREADED INSERT PULLOUT FORCE FOR POLYMER AM	81.U07	N/A	MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$403	\$403	N/A	\$0
		.,	HONEYWELL FEDERAL	.,		7.00	7.00	.,,	7-2
			MANUFACTURING & TECHNOLOGIES,						
FLOATING DIE FIXTURE	81.U08	N/A	LLC HONEYWELL FEDERAL	N/A		\$591	\$591	N/A	\$0
			MANUFACTURING & TECHNOLOGIES,						
ECE001: MULTI-FACTOR AUTHENTICATION	81.U09	N/A	LLC	N/A		\$2,358	\$2,358	N/A	\$0
			HONEYWELL FEDERAL						
ECE002 - RF ENERGY HARVESTING	81.U10	N/A	MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$2,056	\$2,056	N/A	\$0
ECEUUZ - KF ENEKGY HAKVESTING	81.010	N/A	HONEYWELL FEDERAL	N/A		\$2,056	\$2,056	N/A	\$0
			MANUFACTURING & TECHNOLOGIES,						
ECE004 - EMBEDDED ENERGY CONSERVATION & SAFETY	81.U11	N/A	LLC	N/A		\$2,188	\$2,188	N/A	\$0
			HONEYWELL FEDERAL						
MICROSCOPE INSPECTION FIXTURE	81.U12	N/A	MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$98	\$98	N/A	\$0
microscot E mor Ecriot Fixtonia	01.012	777.	HONEYWELL FEDERAL	7971		,,,,	\$35	.,,,,	Ç
			MANUFACTURING & TECHNOLOGIES,						
ECE003 - STAGE SENSOR WITH ALGORITHM	81.U13	N/A	LLC	N/A		\$2,500	\$2,500	N/A	\$0
			HONEYWELL FEDERAL MANUFACTURING & TECHNOLOGIES,						
SP20 SR DESIGN: TELEMETRY ROCKET MOTOR DESIGN	81.U14	N/A	LLC	N/A		\$1,003	\$1,003	N/A	\$0
			HONEYWELL FEDERAL						
SP20 SR DESIGN: DESIGN OF A STAGE ALIGNMENT VERIFICATION	04.145	**/*	MANUFACTURING & TECHNOLOGIES,			ćaza	ć020	**/*	ćo
TOOL	81.U15	N/A	LLC HONEYWELL FEDERAL	N/A		\$928	\$928	N/A	\$0
			MANUFACTURING & TECHNOLOGIES,						
SP20 SR DESIGN: GLASS SLUMPING FIXTURE	81.U16	N/A	LLC	N/A		\$69	\$69	N/A	\$0
			HONEYWELL FEDERAL						
SP20 SR DESIGN: TELEMETRY ROCKET BODY OPTIMIZATION AND INSTRUMENTATION	81.U17	N/A	MANUFACTURING & TECHNOLOGIES, LLC	N/A		\$272	\$272	N/A	\$0
INSTITUTE TO THE PARTY OF THE P	01.017	747.	HONEYWELL FEDERAL	747.1		<i>\$2,2</i>	<i>\$2,2</i>	.,,,,	Ç0
SP20 SR DESIGN: DESIGN AND FABRICATE AN ELECTROPERMANENT			MANUFACTURING & TECHNOLOGIES,						
MAGNET	81.U18	N/A	LLC	N/A		\$313	\$313	N/A	\$0
WATER DYNAMICS NEAR A HYDROPHILIC CUO SURFACE SMALL ANGLE NEUTRON SCATTERING OF 70S RIBOSOMES IN	81.U19	4000157204	OAK RIDGE NATIONAL LAB	4000157204		\$22,572	\$22,572	N/A	\$0
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									4
MATERIALS TOTAL DEPARTMENT OF ENERGY	81.U21	4000159141	OAK RIDGE NATIONAL LAB	4000159141		\$6,114	\$6,114	N/A	\$0
TO THE DEL FARMENT OF ENERGY					\$616,284	\$10,739,561			
DEPARTMENT OF EDUCATION									
			INDIANA UNIVERSITY PURDUE						
CIVIL RIGHTS TRAINING AND ADVISORY SERVICES	84.004		INDIANAPOLIS	N/A		\$28,093	\$28,093	N/A	\$0
FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANTS	84.007					\$1,965,518		STUDENT FINANCIAL ASSISTANCE	\$466,400,116
			MISSOURI DEPARTMENT OF						
TITLE I GRANTS TO LOCAL EDUCATIONAL AGENCIES	84.010		ELEMENTARY AND SECONDARY EDUCATION	N/A		\$374,030	\$374,030	N/A	\$0
THEE FORMING TO EDUCATIONAL AGENCIES	04.010		MISSOURI DEPARTMENT OF	N/A		\$374,030	<i>\$374,030</i>	19/0	ŞÜ
			ELEMENTARY AND SECONDARY						
MIGRANT EDUCATION_STATE GRANT PROGRAM	84.011		EDUCATION	N/A		\$43,589	\$43,589	N/A	\$0
			MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY						
SPECIAL EDUCATION_GRANTS TO STATES	84.027		EDUCATION	N/A		\$11,882	\$3,008,585	RESEARCH AND DEVELOPMENT	\$178,747,631
-			MISSOURI DEPARTMENT OF						
			ELEMENTARY AND SECONDARY			44.44.	4		
SPECIAL EDUCATION_GRANTS TO STATES	84.027		EDUCATION	N/A		\$2,996,703		SPECIAL EDUCATION CLUSTER (IDEA)	\$2,996,703
FEDERAL WORK-STUDY PROGRAM PERKINS LOAN PROGRAM	84.033 84.038					\$3,034,488 \$25,387,816		STUDENT FINANCIAL ASSISTANCE STUDENT FINANCIAL ASSISTANCE	\$466,400,116 \$466,400,116
TRIO_STUDENT SUPPORT SERVICES	84.042	P042A151581				\$768,748	\$768,748	TRIO CLUSTER	\$1,070,060
			MISSOURI DEPARTMENT OF						
CAREER AND TECHNICAL EDUCATION - DAGG COANTE TO	04.040		ELEMENTARY AND SECONDARY	N/*		424.555	424.5	N/A	A-
CAREER AND TECHNICAL EDUCATION BASIC GRANTS TO STATES FEDERAL PELL GRANT PROGRAM	84.048 84.063		EDUCATION	N/A		<i>\$21,550</i> \$54,479,898	\$21,550 \$54.543.838	N/A STUDENT FINANCIAL ASSISTANCE	\$0 \$466,400,116
	0 1.003					75-17-75-050	,57,575,636	2. 2. 2. C. T. T. T. C. A. C. A. D. D. T. A. T. C.	Ç-100,400,110

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	ldentifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
FEDERAL PELL GRANT PROGRAM	84.063					\$63,940		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			MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY			44	44		4-
TO STATES	84.126		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 MISSOURI DEPARTMENT OF	ER101140001		\$694	\$3,457,948	N/A	\$0
SAFE AND DRUG-FREE SCHOOLS AND COMMUNITIES_NATIONAL PROGRAMS	84.184		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	31. 200131 00216 36110023	14/6		\$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				\$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 MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY	25EJ19		\$61,682	\$582,329	N/A	\$0
TWENTY-FIRST CENTURY COMMUNITY LEARNING CENTERS	84.287		EDUCATION	N/A		\$520,647	\$582,329	N/A	\$0
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305	R305B150028		1911		\$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	\$398,953	\$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
			UNIVERSITY OF WISCONSIN						
EDUCATION RESEARCH, DEVELOPMENT AND DISSEMINATION	84.305		MADISON MISSOURI DEPARTMENT OF	895K624		\$25,574	\$3,828,954	RESEARCH AND DEVELOPMENT	\$178,747,631
CONCLAN EDUCATION CTATE DESCONNEL DENEL OBNIENT	04.222		ELEMENTARY AND SECONDARY	****		444 777	ć44 722	**/*	ćo
SPECIAL EDUCATION - STATE PERSONNEL DEVELOPMENT RESEARCH IN SPECIAL EDUCATION	84.323 84.324	R324A190046	EDUCATION	N/A	\$94,554	<i>\$41,722</i> \$156,193	<i>\$41,722</i> \$711,214	N/A RESEARCH AND DEVELOPMENT	<i>\$0</i> \$178,747,631
RESEARCH IN SPECIAL EDUCATION	04.324	N324A130040	AMERICAN INSTITUTE FOR		354,334	\$130,153	3/11,214	RESEARCH AND DEVELOPMENT	3170,747,031
RESEARCH IN SPECIAL EDUCATION	84.324		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 SI ECIAL EDUCATION	04.524		UNIVERSITY OF NORTH CAROLINA	A003542802		<i>\$334,100</i>	J/11,214	RESEARCH AND DEVELOT MENT	J170,747,031
RESEARCH IN SPECIAL EDUCATION	84.324		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
nest men m si cente es comon	04.524		UNIVERSITY OF WISCONSIN	3010 1021 00 //		9204	ψ,11,21+	NESE/ INC// IVID DEVELOT MEIV	\$270,747,032
RESEARCH IN SPECIAL EDUCATION SPECIAL EDUCATION - PERSONNEL DEVELOPMENT TO IMPROVE SERVICES	84.324		MADISON	0000000255		\$3,364	\$711,214	RESEARCH AND DEVELOPMENT	\$178,747,631
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			NATIONAL CENTER ON DEAF-						
DISABILITIES	84.326		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	3.072.137.7 O. O.12007	2020701	\$195,150	\$329,771		RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount		Federal		
5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title CHILD CARE ACCESS MEANS PARENTS IN SCHOOL	Number 84.335	(Optional) P335A180302	Entity	Entity	Sub-Recipients	Expenditures \$83,699	Total \$83,699	Name N/A	Total \$0
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.365	T365Z170135			\$14,560	\$593,892	\$606,606	N/A N/A	\$0
ENGLISH ENGLAGE ACQUISITION STATE GRANTS	04.303	13032170133	MISSOURI DEPARTMENT OF		Ş1 4 ,500	¥333,632	3000,000	N/A	ŞO
ENCLICIT ANCHACE ACQUISITION STATE CRANTS	84.365		ELEMENTARY AND SECONDARY	N/A		\$12,714	\$606,606	N/A	\$0
ENGLISH LANGUAGE ACQUISITION STATE GRANTS	84.303		EDUCATION MISSOURI DEPARTMENT OF	N/A		\$12,714	\$000,000	N/A	30
IMPROVING TEACHER QUALITY STATE GRANTS	84.367		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 NATIONAL WRITING PROJECT CORP	92-M003-2018I3C3WP 92-M003-2019I3C3WP	\$14,000	\$90,882	\$3,074,532	N/A	\$0
			MORNINGSIDE CENTER FOR						
INVESTING IN INNOVATION (I3) FUND	84.411		TEACHING SOCIAL RESPONSIBILITY	N/A		\$23,526	\$3,074,532	RESEARCH AND DEVELOPMENT	\$178,747,631
SUPPORTING EFFECTIVE EDUCATOR DEVELOPMENT PROGRAM	84.423	U423A180058			\$2,705,899	\$3,224,111	\$3,224,111	N/A	\$0
			MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY						
STUDENT SUPPORT AND ACADEMIC ENRICHMENT PROGRAM	84.424		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
			NATIONAL ASSOCIATION OF STATE DIRECTORS OF DEVELOPMENTAL						
NEW EDITIONS EVALUATION WITH NASDDDS 2019-2020	84.RD	N/A	DISABILITIES	N/A		\$3,766	\$3,766	RESEARCH AND DEVELOPMENT	\$178,747,631
TOTAL DEPARTMENT OF EDUCATION					\$5,515,662	\$495,711,669			
NATIONAL ARCHIVES & RECORDS ADMINISTRATION									
PROJECT WHISTLESTOP 2018-2019 TOTAL NATIONAL ARCHIVES & RECORDS ADMINISTRATION	89.U01	NAR14TFLC-005				-\$4	-\$4	N/A	\$0
						-\$4			
DEPARTMENT OF HEALTH AND HUMAN SERVICES									
MEDICAL RESERVE CORPS SMALL GRANT PROGRAM SPECIAL PROGRAMS FOR THE AGING_TITLE IV_AND TITLE	93.008	ASTWH190088				\$86,933	\$86,933	RESEARCH AND DEVELOPMENT	\$178,747,631
II_DISCRETIONARY PROJECTS	93.048	90NWC30052				\$12,744	\$12,744	N/A	ŚO
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
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES						
			MISSOURI DEPARTMENT OF HEALTH	AOC18380007					
ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE	93.070		AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	DH200047765		\$235,149	\$280,058	N/A	\$0
ENVIRONMENTAL PUBLIC HEALTH AND EMERGENCY RESPONSE BLOOD DISORDER PROGRAM: PREVENTION, SURVEILLANCE, AND	93.070		AND SENIOR SERVICES UNIVERSITY OF TEXAS HEALTH	AOC20380085		\$44,909	\$280,058	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH	93.080		SCIENCE CENTER AT HOUSTON	0011472N		\$17,863	\$17,863	N/A	\$0
RESEARCH OF THE RESPONSIBLE CONDUCT OF RESEARCH (RCR)	93.085	1 ORIIR190058-01-00				\$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 MISSOURI DEPARTMENT OF HEALTH	N/A		\$193,678	\$193,678	N/A	\$0
AFFORDABLE CARE ACT (ACA) PERSONAL RESPONSIBILITY			AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	AOC17380071					
EDUCATION PROGRAM	93.092		AND SENIOR SERVICES MISSOURI DEPARTMENT OF	AOC20380010		\$150,056	\$150,056	N/A	\$0
FOOD AND DRUG ADMINISTRATION_RESEARCH	93.103		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		\$178,747,631
						, ,	,		, ,,,,,

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	Identifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Proaram	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	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
			UNIVERSITY OF KANSAS CENTER FOR			4			4
FOOD AND DRUG ADMINISTRATION_RESEARCH COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR	93.103		RESEARCH MISSOURI DEPARTMENT OF MENTAL	TAME		\$22,275	\$346,100	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		HEALTH	AOC19380016		\$208,458	\$377,649	N/A	\$0
CHESTER WITH SERIOUS EING HOLVIE BISTORIS INCES (SES)	33.104		SAINT LOUIS MENTAL HEALTH	710013300010		\$200,430	<i>\$3,7,043</i>	747.1	ÇÜ
			BOARD SAINT LOUIS MENTAL HEALTH BOARD SAINT LOUIS MENTAL HEALTH	16045-C FY19					
			BOARD	16057SOC					
COMPREHENSIVE COMMUNITY MENTAL HEALTH SERVICES FOR			SAINT LOUIS MENTAL HEALTH	17019SOC					
CHILDREN WITH SERIOUS EMOTIONAL DISTURBANCES (SED)	93.104		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 A.T. STILL UNIVERSITY	322-375 323-375		\$59,547	\$59.547	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED PROGRAMS	93.107	T73MC00022	A.I. STILL UNIVERSITY	323-373		\$567,395	\$902,752	N/A N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED	33.110	175WC00022	MISSOURI DEPARTMENT OF MENTAL			,507,555	J302,732	19/6	ÇÜ
PROGRAMS	93.110		HEALTH	AOC19380201	\$113,072	\$196,142	\$902,752	N/A	\$0
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED			UNIVERSITY OF TEXAS HEALTH						
PROGRAMS	93.110		SCIENCE CENTER AT HOUSTON	0012728N		\$19,333	\$902,752	N/A	\$0
			MASSACHUSETTS GENERAL HOSPITAL						
			MASSACHUSETTS GENERAL HOSPITAL	226858					
MATERNAL AND CHILD HEALTH FEDERAL CONSOLIDATED			MASSACHUSETTS GENERAL	226859					
PROGRAMS	93.110		HOSPITAL	226861		\$119,882	\$902,752	RESEARCH AND DEVELOPMENT	\$178,747,631
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 ORAL DISEASES AND DISORDERS RESEARCH	93.121 93.121	F32DE029104 R01DE007389			Ć100 011	\$56,576	\$2,406,132 \$2,406,132	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
ORAL DISEASES AND DISORDERS RESEARCH ORAL DISEASES AND DISORDERS RESEARCH	93.121	R01DE007389			\$199,811 \$16,323	\$670,587 \$141,683	\$2,406,132	RESEARCH AND DEVELOPMENT	\$178,747,631 \$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	MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES	AOC19380237		\$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	DH1925A0001 DH210048770		\$113,419	\$201,161	N/A	\$0
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	AND SENIOR SERVICES	D11170010003	\$84,205	\$528,950	\$555,427	N/A	\$178,747,031
COMMUNITY PROGRAMS TO IMPROVE MINORITY HEALTH GRANT PROGRAM	93.137	Ci iiii 131113	BOYS AND GIRLS CLUBS OF GREATER ST. LOUIS	N/A	Ç04,203	\$26,477	\$555,427	N/A	\$0
NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND			31. 2003	190					
EDUCATION NIEHS SUPERFUND HAZARDOUS SUBSTANCES_BASIC RESEARCH AND	93.143	1R13ES029825-01				\$1,983	\$15,000	RESEARCH AND DEVELOPMENT	\$178,747,631
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 UNIVERSITY OF ILLINOIS AT CHICAGO	17460-00 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

March Marc		Federal	Additional	Maria de la la	Identifying Number			F. 44		
## Motion family agency from part of white part of the		Assistance	Award	Name of Funder	Assigned By Funder	Total Amount	Endoral	Federal	Cluster	Cluster
Common	Federal Awarding Agency/Program Title									
Marcale State 1975			(optional)			Jub-necipients				
March Marc			R01DC018026							
March Column March Column March Column March Column March Column March	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	R15DC015335				\$4,832	\$605,253	RESEARCH AND DEVELOPMENT	
Mathematical Processing Supplies Mathematical P	RESEARCH RELATED TO DEAFNESS AND COMMUNICATION DISORDERS	93.173	R15DC016383			\$9,098	\$147,381	\$605,253	RESEARCH AND DEVELOPMENT	\$178,747,631
MACRONIANS AND ADDRESS MACRONIANS AND ADDRESS A		93.173	R21DC016071			\$6,982	\$188,508	\$605,253	RESEARCH AND DEVELOPMENT	\$178,747,631
Package Pack										
Company Comp	DISORDERS	93.173			ASUB00000119		\$17,436	\$605,253	RESEARCH AND DEVELOPMENT	\$178,747,631
MINISTRATION MINI										
Marie Mari					40547700000					
PRINCEPT SPONSONE DUCKNOWN PROBLEMS 1942	DICARIUTICS PREVENTION	02.404					ć04 025	604.025	***	ćo
MANISTER NO CRESCES PROCESSION 1932 1942 19		93.184		AND SENIOR SERVICES	AUC20380008		\$91,035	\$91,035	N/A	\$0
## TECHNICATION OF THE PROPERTY OF MARKED MINORITY		02 101	DAUTESSSEU				¢24E 002	¢24E 002	N/A	ćo
CHATTER ADDRESS CHATTER AD	NAVIGATOR AND CHRONIC DISEASE PREVENTION PROGRAM	55.151	D40HF33303	LINIVERSITY OF KANSAS MEDICAL			3243,032	3243,032	N/A	3 0
### CONTROLLED STATE OF MACK METCH CAPTER MESCAN METCH CAPTE										
TELEBRATH PRODUCTS 19.21					Z1N00032					
### STATE ST	TELEHEALTH PROGRAMS	93.211					\$112.286	\$135,791	N/A	\$0
READER AND TRANSPORT OCCORPLIGATION OF CONTRACTOR OF CONTRACTOR 10,100								, ,		
INCLIDENT 19.213 19.214 19.215	TELEHEALTH PROGRAMS	93.211			Z1N00050		\$23,505	\$135,791	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEACH AND TRAINING IN COURTMENT OF THE PROPERTY OF THE PROPE	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE									
## HEADACH ON HEATHCAME COSTS, QUALITY AND OUTCOMES 93.25 10010022590 50.000000000000000000000000000000000	HEALTH	93.213	K01AT009373				\$41,916	\$143,031	RESEARCH AND DEVELOPMENT	\$178,747,631
SEASON ON HEATHCREE COSTS, QUALIFY AND QUICKOMES 93.226 10.1010/23100	RESEARCH AND TRAINING IN COMPLEMENTARY AND INTEGRATIVE									
RESEARCH ON HEATHCREE COSTS, QUALITY AND DUTTOMS 93.26 NEW PORT 124502140 STATE 16054778-01 16054778	HEALTH	93.213	R21AT009086				\$101,115	\$143,031	RESEARCH AND DEVELOPMENT	\$178,747,631
PRISENT ON HIGH TICKEN COUNTS, QUALITY AND DUTTOONS 93.26 1949021340 195000000 19500000 19500000 19500000 195000000 195000000 1950000000 1950000000 19500000000 19500000000000 1950000000000000 195000000000000000000000000000000000000										
### PRESENCY ON HEATTHCREE COTS, QUILITY AND OUTCOMES 92.26 DECOMMENDATION SCHOOLS (LIMISOUR) \$22.25 SECULT AND OUTCOMES 92.26 (UNIVERSITY 100885, CLAMSOUR) \$22.25 SECULT AND OUTCOMES 92.26 SECULT										
RESEARCH ON HEAT TH-CARE COSTS, QUALITY AND OUTCOMES 93-25 (NEWSDUT) 100-085 (LAMSSOUR) 513-473 SREQUEL RESEARCH AND DEVICEMENT) 577, 78-51 RESEARCH AND DEVICEMENT 577, 78-71 RESEARCH AND DEV			R24HS022140			\$487				
RESARCH ON HEAT THEAR COSTS, COLUMIT AND DUTCOMES \$3.256 UNIVERSITY 1500 \$53.477 \$50.000 HEAT THEAR COSTS, COLUMIT AND DUTCOMES \$9.256 UNIVERSITY 1300 \$57.270 \$50.001 HEAT HEAT COSTS, COLUMIT AND DUTCOMES \$9.250 NO HEAT HEAT COSTS, COLUMINATE COSTS, COLUMINATE COSTS, COLUMN AND SERVICES NO HEAT COLUMN AND SERVICES NO HEAT COSTS, COLUMN AND SERVICES NO HEAT COLUMN AND SERVICES NO HEAT COSTS, COLUMN AND SERVICES NO HEAT COLUM	RESEARCH ON HEALTHCARE COSTS, QUALITY AND OUTCOMES	93.226			1(GG014728-01		\$62,637	\$850,021	RESEARCH AND DEVELOPMENT	\$178,747,631
RESERVEN ON HEALTHCARE COSTS, CULIUTY MO DUTCOMES 92.26 UNVESSITY OF PTSSURPOR DOZYT/12/364-2) \$33,270 \$580,201 RESERVEN STATE PART OF PTSSURPOR DOZYT/12/364-2) \$36,025 \$36,025 \$36,027 RESERVEN AND DEVELOPMENT \$178,747,631 \$17							4			
### STATE FURMAL ROSEN INCLINITY AND OUTCOMESS 93.258 RISANCH AND DEVELOPMENT \$178,747,617 ### STATE FURMAL ROSEN INCLINITY FOR CORNAIS 93.258 RISANCH AND DEVELOPMENT \$178,747,617 ### STATE FURMAL ROSEN INCLINITY FOR CORNAIS 93.254 RISANCH AND DEVELOPMENT \$178,747,617 ### STATE FURMAL ROSEN INCLINITY FOR CORNAIS 93.254 RISANCH AND DEVELOPMENT \$178,747,617 ### STATE FURMAL ROSEN INCLINITY FOR CORNAIS 93.254 RISANCH AND DEVELOPMENT \$178,747,617 ### STATE FURMAL ROSEN INCLINITY FOR CORNAIS 93.254 RISANCH AND DEVELOPMENT \$178,747,617 ### STATE FURMAL ROSEN INCLINITY FOR CORNAIS 93.254 RISANCH AND DEVELOPMENT \$178,747,617 ### STATE FURMAL ROSEN INCLINITY FOR CORNAIS 93.254 RISANCH AND DEVELOPMENT \$178,747,617 ### STATE FURMAL ROSEN INCLINITY FOR CORNAIS 93.254 RISANCH AND DEVELOPMENT \$178,747,617 ### STATE FURMAL ROSEN INCLINITY FOR CORNAIS 93.254 RISANCH AND SERVICES FOR CORNAIS 93.254 RISANCH AND SER										
## MISSURE CEPTATIONAL CENTER ON SEEP DISORDERS RESEARCH AND DEVELOPMENT \$178,747,831										
## MISSOUR DEPATMENT OF HALTH AND SERVICES MISSOURD PERFATENT OF HALTH AND SERVICES FRANCES OF THE PERFATENCE OF HALTH AND SERVICES SERVICES MISSOURD PERFATENT OF HALTH AND SERVICES MISSOURD PERFATENCE OF HALTH AND SE			204111420004	UNIVERSITY OF PITTSBURGH	0042//1(125364-2)					
TRAUMATIC BRAIN BIJLINY STATE DEMONSTRATION GRANT 93.214 AND SENONS SERVICES A COCCUSION SERV	NATIONAL CENTER ON SLEEP DISORDERS RESEARCH	93.233	KU1HL13U984	MISSOLIBI DEDARTMENT OF HEALTH			\$361,925	\$361,925	RESEARCH AND DEVELOPMENT	\$1/8,/4/,631
MISSION DEPARTMENT OF HALTH										
PROGRAM 93.234 AND SERVICES ACC19380032 \$11,399 \$94,967 \$99,967 N/A \$9. ***PROPAGATION OF HEATH AND SERVICES HEATH AND SERVICES HEATH AND SERVICES HEAVER ACC19380016 ****PROGRAM SERVICES HEAD OF HEATH AND SERVICES HEAD OF	TRALIMATIC RRAIN INILIRY STATE DEMONSTRATION GRANT				040C1038003202222222222					
MISSOUR DEPARTMENT OF HEALTH ADD SENDS SEPREMES MISSOUR DEPARTMENT OF HEALTH ADD SENDS SEPREMES ADC17380071 MISSOUR DEPARTMENT OF HEALTH ADC18800100 \$56,400 \$56,400 \$56,400 \$N/A \$0.500 STATE RURAL HOSPITAL FLEXBULTY PROGRAM 93.235 MISSOUR DEPARTMENT OF HEALTH ADD SENDS SEPREMES ADC18800100 \$56,400 \$56,400 \$N/A \$0.500 STATE RURAL HOSPITAL FLEXBULTY PROGRAM 93.241 MISSOUR DEPARTMENT OF HEALTH AND SENDS SEPREMEST ADD SERVICES ADD S		93 234				\$11 599	\$94.967	\$94.967	N/A	Śn
## ADD SENIOR SERVICES ## ADCIT/380/71 ## AFFORDABLE CARE ACT (ACA) ABSTRINCES EDUCATION PROGRAM 93.235 ## ADD SENIOR SERVICES ## ADCIT/380/71 ## AFFORDABLE CARE ACT (ACA) ABSTRINCES EDUCATION PROGRAM 93.235 ## ADD SENIOR SERVICES ## ADCIT/380/71 ## AFFORDABLE CARE ACT (ACA) ABSTRINCES EDUCATION PROGRAM 93.241 ## ADD SENIOR SERVICES ## ADCIT/380/71 ## AFFORDABLE CARE ACT (ACA) ABSTRINCES EDUCATION PROGRAM 93.241 ## ADD SENIOR SERVICES ## ADCIT/380/71 ## AFFORDABLE CARE ACT (ACA) ABSTRINCES ## ADD CARE ACT (ACA)	THO GIVEN	33.234			710023300032	ψ11,333	\$54,507	Ç3-1,307	.,,	Ç
MISSURI DEPARTMENT OF HEALTH ADD SERVICES MISSURI DEPARTMENT OF HEALTH ADD SERVICES AD										
## AFFORDABLE CARE ACT (ACA) ABSTINENCE EDUCATION PROGRAM 93.225 *** AND SERVICES ADCISSABOLD \$56,660 *** N/A \$0.00000000000000000000000000000000000										
## AFFORDABLE CARE ACT (ACA) ## STREEME EDUCATION PROGRAM 93.255 ## ADD SENIOR SERVICES ACC0380010 \$58,400 \$58,400 \$58,600 \$A/A \$0.00000000000000000000000000000000000				AND SENIOR SERVICES	AOC17380071					
## MISSOURI DEPARTMENT OF FREATH ## MISSOURI DEPARTMENT OF FREATH ## AND SENIOR SERVICES ACIS830163 \$5287,789 \$3,072,890 \$85,824 \$N/A \$5,644 \$N/A \$5,6				MISSOURI DEPARTMENT OF HEALTH	AOC18380144					
STATE RURAL HOSPHILA RESEARCH GRANTS 93.42 ROIMHOG-669 93.42 ROIMH	AFFORDABLE CARE ACT (ACA) ABSTINENCE EDUCATION PROGRAM	93.235		AND SENIOR SERVICES	AOC20380010		\$56,460	\$56,460	N/A	\$0
MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIMHOSABB \$3.07,260 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIMH10859 \$3.853 \$3.07,860 \$5.28,784 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIMH10859 \$3.80,065 \$5.28,784 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIMH114722 \$3.60,07 \$3.97,660 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIMH12023 \$3.60,044 \$2.03,837 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIMH12023 \$3.60,044 \$2.03,837 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIMH12022 \$3.60 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIMH12022 ROLIVERSITY 403000 \$3.53,355 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIVERSITY 403000 \$3.53,355 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIVERSITY 403000 \$3.53,355 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIVERSITY 403000 \$3.53,355 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIVERSITY ROLIVERSITY ROLIVERSITY \$40000 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIVERSITY ROLIVERSITY ROLIVERSITY \$40000 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIVERSITY ROLIVERSITY ROLIVERSITY \$40000 \$3.07,260 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 33.242 ROLIVERSITY ROL										
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MENTAL HEALTH RESEARCH GRANTS										
MENTAL HEALTH RESEARCH GRANTS 32.42 ROIMH113560 \$32.69 \$573.473 \$3.072.680 RESEARCH AND DEVELOPMENT \$178,747,531 MENTAL HEALTH RESEARCH GRANTS 32.42 ROIMH12023 MENTAL HEALTH RESEARCH GRANTS 32.42 ROIMH12032 MENTAL HEALTH RESEARCH GRANTS 32.42 ROIMH11872 MENTAL HEALTH RESEARCH GRANTS 32.42 ROUMH11872 MENTAL HEALTH RESEARCH GRANTS 32.42 ROUMH11872 MENTAL HEALTH RESEARCH GRANTS 32.42 ENCOYTRONICS LLC 00047734 MENTAL HEALTH RESEARCH GRANTS 32.42 FLOOLOGATH ROUMH RESEARCH GRANTS 32.42 FLOOLOGATH ROUMH ROUMH RESEARCH ROUMH STATE UNIVERSITY MENTAL HEALTH RESEARCH GRANTS 32.42 FLOOLOGATH ROUMH ROUMH RESEARCH ROUMH STATE UNIVERSITY MENTAL HEALTH RESEARCH GRANTS 32.42 FLOOLOGATH ROUMH ROUMH ROUMH ROUMH RESEARCH ROUMH STATE UNIVERSITY MENTAL HEALTH RESEARCH GRANTS 32.42 FLOOLOGATH ROUMH RESEARCH ROUMH STATE UNIVERSITY MENTAL HEALTH RESEARCH GRANTS 32.42 FLOOLOGATH ROUMH RO										
MENTAL HEALTH RESEARCH GRANTS 93.242 R01MH114722 \$26,697 \$714,473 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 \$30,074,680 RESEARCH AND DEVELO										
MENTAL HEALTH RESEARCH GRANTS 93.42 RJSMH112223 \$36,044 \$203,831 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 \$18,745,631 \$30,72,680 RESEARCH AND DEVELOPMENT \$178,747,631 \$18,745,631										
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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 BRANDEIS UNIVERSITY 403000 \$135,336 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 FLORIDA STATE UNIVERSITY RO00002511 \$83 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 HENRY M JACKSON FOUNDATION 4367 \$83 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 LOUISIANS STATE UNIVERSITY NURS-18-12T-002 \$20,797 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 LOUISIANS STATE UNIVERSITY NURS-18-12T-002 \$20,797 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 QUADRANT BIOSCIENCES INC 193481860000 \$54,820 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 QUADRANT BIOSCIENCES INC 193481860000 \$5100,507 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 QUADRANT BIOSCIENCES INC 193481860000 \$50,007 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 QUADRANT BIOSCIENCES INC 193481860000 \$50,007 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 QUADRANT BIOSCIENCES INC 193481860000 \$50,007 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 UNIVERSITY OF HAWAII KA1083 \$51,00 \$30,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 UNIVERSITY OF MINNESOTA NO0534501 \$39,152 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 UNIVERSITY OF MINNESOTA NO0534501 \$39,152 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 UNIVERSITY OF MINNESOTA NO0534501 \$39,152 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 MENTAL HEALTH RESEARCH GRANTS 93.242 UNIVERSITY OF MINNESOTA NO0534501 \$39,072,68						\$36,044				
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### NOTION OF CALIFORNIA SAN MENTAL HEALTH RESEARCH GRANTS 93,242 FRANSCISO 10181SC \$35,356 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631										
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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 CHAPEL HILL 5115585 \$22,643 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 WIRGINIA COMMONWEALTH MENTAL HEALTH RESEARCH GRANTS 93.242 UNIVERSITY FP00006198_SA004 \$57,185 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631	MENTAL HEALTH RESEARCH GRANTS	93.242			KA1083					
MENTAL HEALTH RESEARCH GRANTS 93.242 CHAPEL HILL 5115585 \$22,643 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631 VIRGINIA COMMONWEALTH VIRGINIA COMMONWEATTY FP00006198_SA004 \$57,185 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631	MENTAL HEALTH RESEARCH GRANTS	93.242		UNIVERSITY OF MINNESOTA	N006344501			\$3,072,680	RESEARCH AND DEVELOPMENT	
VIRGINIA COMMONWEALTH MENTAL HEALTH RESEARCH GRANTS 93.242 UNIVERSITY FP00006198_5A004 \$57,185 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631										
MENTAL HEALTH RESEARCH GRANTS 93.242 UNIVERSITY FP00006198_SA004 \$57,185 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631	MENTAL HEALTH RESEARCH GRANTS	93.242			5115585		\$22,643	\$3,072,680	RESEARCH AND DEVELOPMENT	\$178,747,631
MENIAL HEALTH RESEARCH GRANTS 93.242 WASHINGTON UNIVERSITY WU-19-324 \$20,769 \$3,072,680 RESEARCH AND DEVELOPMENT \$178,747,631										
	WENTAL HEALTH RESEARCH GRANTS	93.242		WASHING I ON UNIVERSITY	WU-19-324		\$20,769	\$3,072,680	KESEARCH AND DEVELOPMENT	\$1/8,747,631

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	Identifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
REGIONAL AND NATIONAL SIGNIFICANCE	93.243	H79SP021253				\$264,093	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES PROJECTS OF						+ ,	40,0.0,	.,,	***
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	02.242		OTHER DESIGNATION OF A MICCOLLINE	**/*		445.435	de 045 727	***	do.
REGIONAL AND NATIONAL SIGNIFICANCE SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF	93.243		9TH JUDICIAL CIRCUIT OF MISSOURI AMERICAN ACADEMY OF ADDITION	N/A		\$46,435	\$5,845,727	N/A	\$0
REGIONAL AND NATIONAL SIGNIFICANCE	93.243		PSYCHIATRY	PCSSMAT19-5		\$62,574	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF			BEHAVIORAL HEALTH NETWORK OF			, , ,		,	
REGIONAL AND NATIONAL SIGNIFICANCE	93.243		GREATER ST. LOUIS	N/A		\$11,588	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	AOC18380164 DH180033001					
REGIONAL AND NATIONAL SIGNIFICANCE	93.243		AND SENIOR SERVICES MISSOURI DEPARTMENT OF MENTAL	N/A		\$153,713	\$5,845,727	N/A	\$0
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES. PROJECTS OF			HEALTH MISSOURI DEPARTMENT OF MENTAL	AOC01380098 AOC16380080 AOC17380041 AOC17380042 AOC19380203 AOC29380004					
REGIONAL AND NATIONAL SIGNIFICANCE	93.243		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	93.243		SAINT LOUIS MENTAL HEALTH	N/A		\$103,372	\$5,845,727	N/A	30
REGIONAL AND NATIONAL SIGNIFICANCE	93.243		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			TRUMAN MEDICAL CENTER CORP	TMC-18-TI0808208					
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		STANDORD UNIVERSITY	61904509-137362		\$113,104	\$5,845,727	N/A	ŚO
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF REGIONAL AND NATIONAL SIGNIFICANCE	93.243	U79SM080025	STANDOND DIVIVENSITY	01304303-137302	\$62,498	\$656,608		RESEARCH AND DEVELOPMENT	\$178,747,631
SUBSTANCE ABUSE AND MENTAL HEALTH SERVICES_PROJECTS OF					Ţ52,450	+222,200	T-/// L/		Ţ=. 0,,001
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 INCOMI				\$78,877	\$1,051,335	N/A	\$0

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
			UNIVERSITY OF NEBRASKA MEDICAL CENTER						
			UNIVERSITY OF NEBRASKA MEDICAL						
			CENTER						
			UNIVERSITY OF NEBRASKA MEDICAL	34-5420-2006-128					
			CENTER	34-5420-2006-129					
			UNIVERSITY OF NEBRASKA MEDICAL	34-5420-2006-208					
OCCUPATIONAL SAFETY AND HEALTH PROGRAM	93.262		CENTER	34-5420-2006-209		\$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						
IMMUNIZATION COOPERATIVE AGREEMENTS	93.268	52444025477	AND SENIOR SERVICES	PH200048223		\$12,039	\$12,039	N/A	\$0
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273 93.273	F31AA026177 F31AA026207				\$40,111	\$3,745,319 \$3,745,319	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ALCOHOL RESEARCH PROGRAMS ALCOHOL RESEARCH PROGRAMS	93.273	F31AA027162				\$30,382 \$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 ALCOHOL RESEARCH PROGRAMS	93.273 93.273	R01AA024133 R01AA025451				\$355,282 \$508,939	\$3,745,319 \$3,745,319	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ALCOHOL RESEARCH PROGRAMS 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 UNIVERSITY OF KANSAS MEDICAL	1280		\$47,389	\$146,951	RESEARCH AND DEVELOPMENT	\$178,747,631
DRUG ABUSE AND ADDICTION RESEARCH PROGRAMS	93,279		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			WASHINGTON UNIVERSITY	WU-19-143		7-,-:	72.0,002		
PREVENTION_INVESTIGATIONS AND TECHNICAL ASSISTANCE	93.283		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									4
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		MACHINICTON LINUSCRICTY	WU-20-282		\$46,682	\$575,975	DESCRAPSII AND DEVELORATENT	\$178,747,631
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307	F31MD012751	WASHINGTON UNIVERSITY	W0-20-282		\$39,351	\$86.049	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
MINORITY HEALTH AND HEALTH DISPARITIES RESEARCH	93.307	131110012731	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
			OREGON HEALTH SCIENCE						
TRANS-NIH RESEARCH SUPPORT	93.310		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	AUCCOURT DEDARTMENT OF UTTER			\$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	33.323		MISSOURI DEPARTMENT OF HEALTH	AUC10300131		270,303	201,283	IV/A	٥٤
DISEASES (ELC)	93.323		AND SENIOR SERVICES	AOC19380254		\$10,780	\$87,283	RESEARCH AND DEVELOPMENT	\$178,747,631
HEALTH PROFESSIONS STUDENT LOANS, INCLUDING PRIMARY CARE	33.323		, , , , , , , , , , , , , , , , , , ,	710023300237		Ç10,730	<i>\$0.7203</i>		9270,747,031
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		RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
			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	ZPBT0010					
			CENTER RESEARCH INSTITUTE	ZPBU00016					
			UNIVERSITY OF KANSAS MEDICAL	ZPBU0014					
			CENTER RESEARCH INSTITUTE	ZPBU0016					
			UNIVERSITY OF KANSAS MEDICAL	ZPBU001Z					
			CENTER RESEARCH INSTITUTE	ZPBU0022					
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350		UNIVERSITY OF KANSAS MEDICAL CENTER RESEARCH INSTITUTE	ZPBU0023 ZPBU0026	\$69,618	\$280,801	\$918.652	RESEARCH AND DEVELOPMENT	\$178,747,631
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.330		WASHINGTON UNIVERSITY	WU-18-372	\$03,019	\$280,801	\$918,052	RESEARCH AND DEVELOPMENT	\$178,747,031
			WASHINGTON UNIVERSITY	WU-18-373					
			WASHINGTON UNIVERSITY 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					
AVATIONAL CONTENTO FOR ADVANCING TRANSPATIONAL COSTNORS	02.250		WASHINGTON UNIVERSITY	WU-20-506		ć220.0CF	6040.553	DESCRIPCIO AND DELICIONATAIT	6470 747 604
NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES	93.350	V04.0.D.04.0.0.3.4	WASHINGTON UNIVERSITY	WU-20-521		\$330,965	\$918,652	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS RESEARCH INFRASTRUCTURE PROGRAMS	93.351 93.351	K010D019924 P400D011062				\$158,454 \$1,689,811	\$6,255,043 \$6,255,043	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	R03OD028259				\$1,089,811	\$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	T32OD011136				\$217,612	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	U420D010918				\$1,601,600	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH INFRASTRUCTURE PROGRAMS	93.351	U420D011140				\$2,123,473	\$6,255,043	RESEARCH AND DEVELOPMENT	\$178,747,631
			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
			UNIVERSITY OF SOUTHERN						
RESEARCH INFRASTRUCTURE PROGRAMS	93.351		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	AOC19380115					
PUBLIC HEALTH EMERGENCY RESPONSE: COOPERATIVE			AND SENIOR SERVICES	AOC19380260					
AGREEMENT FOR EMERGENCY RESPONSE: PUBLIC HEALTH CRISIS			MISSOURI DEPARTMENT OF HEALTH	AOC19380269					
RESPONSE	93.354		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			KANSAS DEPARTMENT FOR						
DEVELOPMENT	93.360		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									4
DEVELOPMENT	93.360	DOLLIDOLESA :	STRATATECH CORPORTATION	STRATA2016	440	\$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 RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH	93.361	9R01NR016423				\$654,717	\$2,005,828	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
NURSING RESEARCH NURSING RESEARCH	93.361 93.361	F31NR018574 R01NR017168			\$104,441	\$20,706 \$630,756	\$2,005,828 \$2,005,828		\$178,747,631 \$178,747,631
NUNDING RESEARCH	93.301	KUTINKUT/108			\$104,441	\$03U,/5b	\$2,005,828	NESEARCH AND DEVELOPINENT	\$1/6,/4/,631

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	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
			UNIVERSITY OF CALIFORNIA SAN						
NURSING RESEARCH	93.361		FRANSCISO	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
			WASHINGTON UNIVERSITY SCHOOL						
NURSING RESEARCH	93.361		OF MEDICINE	WU-16-301		\$4,422	\$2,005,828	RESEARCH AND DEVELOPMENT	\$178,747,631
			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	\$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
			UNIVERSITY OF KANSAS MEDICAL						4
CANCER CAUSE AND PREVENTION RESEARCH	93.393		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
			UNIVERSITY OF TEXAS HEALTH						
			SCIENCE CENTER AT HOUSTON	00424054					
CANCER CALLES AND DREVENTION DESCRAPED	02.202		UNIVERSITY OF TEXAS HEALTH	0012186A		442.740	6052 424	DESCRIPCIO AND DELICIONATALE	6470 747 624
CANCER CAUSE AND PREVENTION RESEARCH	93.393		SCIENCE CENTER AT HOUSTON	0012844B		\$12,718	\$862,431	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER CAUSE AND PREVENTION RESEARCH	93.393	4000040400000000444	WASHINGTON UNIVERSITY	WU-20-9		\$7,679	\$862,431	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER DETECTION AND DIAGNOSIS RESEARCH	93.394	1R03CA219337-01A1	AACAAODIAN CIOANI KETTERING			\$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
	93.394					, ,	1 - 1	RESEARCH AND DEVELOPMENT	
CANCER DETECTION AND DIAGNOSIS RESEARCH CANCER TREATMENT RESEARCH	93.395	D01C41003CE	SURGISENSE CORPORATION	N/A		\$12,078	\$87,300 \$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395	R01CA190265 R01CA208396			\$139,209	\$139,129 \$613,849	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
CANCER TREATMENT RESEARCH	93.395	R01CA228396				\$299,099	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395	R01CA222299			\$46,949	\$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 TREATIVENT RESEARCH	55.555	N13CA224033	ALLIANCE FOR CLINICAL TRIALS IN			3110,145	\$1,037,030	RESEARCH AND DEVELOPMENT	\$170,747,031
CANCER TREATMENT RESEARCH	93.395		ONCOLOGY	M0036		\$78,982	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	33.333		CHILDRENS HOSPITAL OF	WOOSU		\$70,302	\$1,037,030	RESEARCH AND DEVELOPMENT	3170,747,031
			PHILADELPHIA						
			CHILDRENS HOSPITAL OF						
			PHILADELPHIA						
			CHILDRENS HOSPITAL OF	9500080215-12C					
			PHILADELPHIA	FP_00026529_SUB615_01					
			CHILDRENS HOSPITAL OF	FP_00026529_SUB615_01					
CANCER TREATMENT RESEARCH	93.395		PHILADELPHIA	NCORP FP00017458_SUB142		\$3,329	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395		ONCOVIR INC	ONC2014-001		-\$22,737	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER TREATMENT RESEARCH	93.395		UNIVERSITY OF OKLAHOMA	RV20151703-01		\$10,025	\$1,657,056	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER BIOLOGY RESEARCH	93.396	R01CA160461	CHARLEST FOR CREATIONS.	W120131703 01		\$2,700	\$537,610	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER BIOLOGY RESEARCH	93.396	R33CA228979			\$26,195	\$489,233	\$537,610	RESEARCH AND DEVELOPMENT	\$178,747,631
CANCER BIOLOGY RESEARCH	93.396	NOSCI LEGITS	UNIVERSITY OF GEORGIA	RR571-424/S001502	ŲL0,133	\$45,677	\$537,610	RESEARCH AND DEVELOPMENT	\$178,747,631
CHICA DIOLOGI NESEMICI	33.330		MEMORIAL SLOAN-KETTERING	111371 424/3001302		Ş-13,077	Ç337,010	NESE/ INC/ / IVID DE VEEO/ MEIV	\$170,747,031
			INSTITUTE FOR CANCER						
			MEMORIAL SLOAN-KETTERING	BD518793E					
CANCER CENTERS SUPPORT GRANTS	93.397		INSTITUTE FOR CANCER	BD518793F		\$149,862	\$149.862	RESEARCH AND DEVELOPMENT	\$178,747,631
CHICEN CENTERS SONT ON CHURTS	33.337		CHILDRENS HOSPITAL OF	553107331		9143,002	Ģ145,00 <u>2</u>	NESE/ MET/ MAD DE VEES/ METV	\$170,747,031
CANCER CONTROL	93.399		PHILADELPHIA	FP00028127_SUB51_01		\$843	\$843	RESEARCH AND DEVELOPMENT	\$178,747,631
STRENGTHENING PUBLIC HEALTH SYSTEMS AND SERVICES	33.333		THE IEEE THAT	77 00020127_30231_01		φ0·13	Ç013	NESE/ INCITATION DE VEES / MEIV	\$170,747,031
THROUGH NATIONAL PARTNERSHIPS TO IMPROVE AND PROTECT			ASSOCIATION OF UNIVERSITY OF						
THE NATIONS HEALTH	93.421		CENTERS ON DISABILITIES	N/A		\$3,858	\$3,858	N/A	\$0
IMPROVING THE HEALTH OF AMERICANS THROUGH PREVENTION	33.421		CENTENS ON BISHBIETIES	14,71		<i>\$3,030</i>	\$5,030	,	Ģū
AND MANAGEMENT OF DIABETES AND HEART DISEASE AND			MISSOURI DEPARTMENT OF HEALTH						
STROKE	93.426		AND SENIOR SERVICES	AOC19380226		\$11,046	\$52,362	N/A	\$0
STROKE	33.420		MISSOURI DEPARTMENT OF HEALTH	710013300210		\$11,040	ψ32,302	,	ÇÜ
IMPROVING THE HEALTH OF AMERICANS THROUGH PREVENTION			AND SENIOR SERVICES						
AND MANAGEMENT OF DIABETES AND HEART DISEASE AND			MISSOURI DEPARTMENT OF HEALTH	AOC18380299					
STROKE	93.426		AND SENIOR SERVICES	AOC19380241	\$300	\$41,316	\$52,362	RESEARCH AND DEVELOPMENT	\$178,747,631
ACL NATIONAL INSTITUTE ON DISABILITY, INDEPENDENT LIVING, AND					\$300	V-1,010	432,302		, o, · · · , oo 1
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
						,	. ,. ,	•	

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	ldentifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	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 CTURENT CUCCEERS ACT/RESCULOU REVELORMENT			MISSOURI DEPARTMENT OF ELEMENTARY AND SECONDARY						
EVERY STUDENT SUCCEEDS ACT/PRESCHOOL DEVELOPMENT GRANTS	93.434		EDUCATION	N/A	\$430,866	\$3,433,014	\$3,467,463	N/A	\$0
OTAIV15	33.434		MISSOURI DEPARTMENT OF	19/0	Ş430,800	<i>\$3,433,014</i>	\$3,407,403	19/4	ŞU
EVERY STUDENT SUCCEEDS ACT/PRESCHOOL DEVELOPMENT			ELEMENTARY AND SECONDARY						
GRANTS	93.434		EDUCATION	N/A		\$34,449	\$3,467,463	RESEARCH AND DEVELOPMENT	\$178,747,631
WELL-INTEGRATED SCREENING AND EVALUATION FOR WOMEN			MISSOURI DEPARTMENT OF HEALTH						
ACROSS THE NATION (WISEWOMAN)	93.436		AND SENIOR SERVICES	DH190033001		\$17,207	\$17,207	N/A	\$0
			MISSOURI DEPARTMENT OF HEALTH						
			AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	AOC19380137					
STATE PHYSICAL ACTIVITY AND NUTRITION (SPAN	93.439		AND SENIOR SERVICES	AOC19380202	\$35,522	\$213,415	\$213,415	N/A	\$0
ASSISTIVE TECHNOLOGY ALTERNATIVE FINANCING PROGRAM	93.469		MISSOURI ASSISTIVE TECH COUNCIL	N/A	Ģ33,32 <u>L</u>	\$4,908	\$4,908	N/A	\$0
FAMILY TO FAMILY HEALTH INFORMATION CENTERS	93.504	H84MC09484		.,,		\$95,101	\$95,101	N/A	\$0
			MISSOURI DEPARTMENT OF SOCIAL						
PROMOTING SAFE AND STABLE FAMILIES	93.556		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
			MISSOURI DEPARTMENT OF SOCIAL						
COMMUNITY SERVICES BLOCK GRANT CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.569 93.575		SERVICES COLUMBIA PUBLIC SCHOOLS	AOC20380048 N/A	\$25,638	\$336,849 \$63,683	\$336,849 \$2,250,074	N/A CCDF CLUSTER	\$0 \$2,250,074
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.373		MISSOURI DEPARTMENT OF SOCIAL	N/A		\$03,083	\$2,250,074	CCDF CLUSTER	\$2,230,074
			SERVICES						
			MISSOURI DEPARTMENT OF SOCIAL						
			SERVICES	AOC14380146					
			MISSOURI DEPARTMENT OF SOCIAL	AOC15380293					
CHILD CARE AND DEVELOPMENT BLOCK GRANT	93.575		SERVICES	AOC19380083		\$2,186,391	\$2,250,074	CCDF CLUSTER	\$2,250,074
			INTERNATIONAL INSTITUTE OF ST.						
REFUGEE AND ENTRANT ASSISTANCE_DISCRETIONARY GRANTS HEAD START	93.576 93.600	07CD4026-04-00	LOUIS	N/A		<i>\$4,048</i> \$116,488	\$4,048 \$170,631	N/A N/A	<i>\$0</i> \$0
HEAD START	93.600	07CD4026-04-00				\$54,143	\$170,631	N/A	\$0
AFFORDABLE CARE ACT INITIATIVE TO REDUCE AVOIDABLE	33.000	07004020-03-00				,J-1,14J	J170,031	IV.A	ÇÜ
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
			MISSOURI DEPARTMENT OF MENTAL						
			HEALTH MISSOURI DEPARTMENT OF MENTAL						
			HEALTH						
			MISSOURI DEPARTMENT OF MENTAL	AOC11380081					
			HEALTH	PGA010-08001					
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY			MISSOURI DEPARTMENT OF MENTAL	PGA010-20002					
GRANTS	93.630		HEALTH	PGA010-20003		\$101,964	\$171,627	N/A	\$0
DEVELOPMENTAL DISABILITIES BASIC SUPPORT AND ADVOCACY			MISSOURI DEVELOPMENTAL						
GRANTS	93.630	000010140004	DISABILITIES COUNCIL	PGA010-19001	\$20,390	\$65,873	\$171,627	N/A	\$0
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631 93.631	90DNDM0001 90DNIQ000701			\$7,961 \$34,227	\$40,204 \$143,036	\$505,014 \$505,014	N/A N/A	\$0 \$0
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL SIGNIFICANCE	93.631	90DNIQ000701			\$15,953	\$275,167	\$505,014	N/A	\$0
DEVELOPMENTAL DISABILITIES PROJECTS OF NATIONAL	33.031	305111Q000702	SELF ADVOCATES BECOMING		Ų13,555	Ų2,3,20,	Ç505,014	Ty A	ĢŪ
SIGNIFICANCE	93.631		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			AMERICAN BOARD OF FAMILY						
ALIGNMENT NETWORKS (SANS)	93.639		MEDICINE	N/A		\$37,880	\$37,880	N/A	\$0
			MISSOURI DEPARTMENT OF SOCIAL SERVICES						
			MISSOURI DEPARTMENT OF SOCIAL	PG271500015					
CHILD ABUSE AND NEGLECT DISCRETIONARY ACTIVITIES	93.670		SERVICES	PG271500016		\$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	02.724	00000000000000			60.55=	ADC 400	622 777	NI/e	
FINANCED BY PREVENTION AND PUBLIC HEALTH FUNDS (PPHF) EMPOWERING OLDER ADULTS AND ADULTS WITH DISABILITIES	93.734	90CSSG0010-01-00			\$8,397	\$26,409	\$32,709	N/A	\$0
THROUGH CHRONIC DISEASE SELF-MANAGEMENT EDUCATION									
PROGRAMS & FINANCED BY PREVENTION AND PUBLIC HEALTH			MISSOURI ASSOCIATION OF AREA						
FUNDS (PPHF)	93.734		AGENCIES ON AGING	N/A		\$6,300	\$32,709	RESEARCH AND DEVELOPMENT	\$178,747,631

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	ldentifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
PPHF: HEALTH CARE SURVEILLANCE/HEALTH STATISTICS Ð SURVEILLANCE PROGRAM ANNOUNCEMENT: BEHAVIORAL RISK						-			
FACTOR SURVEILLANCE SYSTEM FINANCED IN PART BY PREVENTION			STATE OF ALASKS HEALTH AND						
AND PUBLIC HEALTH FUND	93.745		SOCIAL SERVICES	0618-059		-\$15	-\$15	N/A	\$0
			MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	40040300035					
PREVENTIVE HEALTH AND HEALTH SERVICES BLOCK GRANT FUNDED SOLELY WITH PREVENTION AND PUBLIC HEALTH FUNDS			AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	AOC19380035 DH200048230					
(PPHF)	93.758		AND SENIOR SERVICES	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
ALZHEIMERÕS DISEASE INITIATIVE: SPECIALIZED SUPPORTIVE	93.701			IVA		371,104	371,104	IVA	ŞU
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
WEDICAL ASSISTANCE PROGRAW	33.776		MISSOURI COALITION OF COMM	15-16320-0		246	31,120,441	WEDICAID CLOSTER	31,120,441
MEDICAL ASSISTANCE PROGRAM	93.778		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	AOC02380105					
			HEALTH MISSOURI DEPARTMENT OF MENTAL	AOC11380234 TA19906 AOC16380086					
			HEALTH	AOC18380066					
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC20380006 DMH205001					
			MISSOURI DEPARTMENT OF MENTAL	ER019912005					
MEDICAL ASSISTANCE PROGRAM	93.778		HEALTH STATE OF SOUTH DAKOTA	ER019918017		\$888,853	\$1,120,441	MEDICAID CLUSTER	\$1,120,441
MEDICAL ASSISTANCE PROGRAM	93.778		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)	02.770		MISSOURI DEPARTMENT OF SOCIAL	A0C11380275		600 245	ć00.245	**/*	40
RESEARCH, DEMONSTRATIONS AND EVALUATIONS	93.779		SERVICES AMERICAN ACADEMY OF ADDITION	AOC11380275		\$80,245	\$80,245	N/A	\$0
			PSYCHIATRY AMERICAN ACADEMY OF ADDITION						
			PSYCHIATRY AMERICAN ACADEMY OF ADDITION						
			PSYCHIATRY						
			AMERICAN ACADEMY OF ADDITION PSYCHIATRY	1H79TI080816 STATES 16-1					
			AMERICAN ACADEMY OF ADDITION	STATES 18-1-S2					
			PSYCHIATRY AMERICAN ACADEMY OF ADDITION	STATES-16-1 STATES-18-1-S1					
OPIOID STR	93.788		PSYCHIATRY	STATES-19-1-S1	\$3,301,835	\$5,161,902	\$7,258,063	N/A	\$0
OPIOID STR	93.788		IOWA STATE UNIVERSITY MISSOURI DEPARTMENT OF MENTAL	SCN-1009584		\$6,701	\$7,258,063	N/A	\$0
			HEALTH						
			MISSOURI DEPARTMENT OF MENTAL HEALTH	AOC01380098					
			MISSOURI DEPARTMENT OF MENTAL	AOC17380119					
OPIOID STR	93.788		HEALTH MISSOURI DEPARTMENT OF SOCIAL	AOC19380207	\$686,433	\$2,089,460	\$7,258,063	N/A	\$0
MONEY FOLLOWS THE PERSON REBALANCING DEMONSTRATION	93.791		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
ALTH CAREERS OPPORTUNITY PROGRAM	93.822	D18HP32133	7000 SENION SENIOLES	7,002030331		\$506,397	\$506,397	N/A	\$0
PACITY BUILDING ASSISTANCE (CBA) FOR HIGH-IMPACT HIV EVENTION	93.834	19NU65PS923671			\$201,055	\$432,510	\$438,035	N/A	\$0
APACITY BUILDING ASSISTANCE (CBA) FOR HIGH-IMPACT HIV	93.834	NU65PS923671				\$5,525		RESEARCH AND DEVELOPMENT	\$178,747,631
neremon.	33.034	140031 33230/1				,,,,,,,,	Ş-30,033	NESS MOT AND DEVELOT MENT	ÿ170,747,031

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
Federal Awarding Agency/Program Title	Listing Number	Identification (Optional)	Pass-Through Entity	Pass-Through Entity	Provided to	Federal	Program	Cluster Name	Cluster Total
CARDIOVASCULAR DISEASES RESEARCH	93.837	F31HL140858	Entity	Entity	Sub-Recipients	-\$3,657	Total \$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 93.837	R00HL130339 R00HL134823			677.000	\$190,069	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL070241			\$77,889	\$117,586 \$6,460	\$9,751,673	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL070241				\$259,815	\$9,751,673 \$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 CARDIOVASCULAR DISEASES RESEARCH	93.837 93.837	R01HL124155 R01HL125608				\$294,896	\$9,751,673	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
	93.837					\$15,451 \$138,869	\$9,751,673		\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL126916 R01HL132836				\$353,455	\$9,751,673	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL132856				\$110,761	\$9,751,673 \$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837	R01HL136292				\$393,638	\$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			7-0-,000	\$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			1. 7.	\$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 93.837	R01HL148196 R37HL041026				\$461,209	\$9,751,673	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH CARDIOVASCULAR DISEASES RESEARCH	93.837	R56HL140548				\$23,282 \$728,883	\$9,751,673 \$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631 \$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 CARDIOVASCULAR DISEASES RESEARCH	93.837	13211110037	BRIGHAM AND WOMENS HOSPITAL	PS# 107223	331,044	\$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-S152308/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 GR510850		\$2,557	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
CARDIOVASCULAR DISEASES RESEARCH	93.837		WASHINGTON UNIVERSITY WASHINGTON UNIVERSITY	WU-16-41 WU-18-433		\$262,666	\$9,751,673	RESEARCH AND DEVELOPMENT	\$178,747,631
LUNG DISEASES RESEARCH	93.838		INDIANA UNIVERSITY	IN4687787UMKC		\$202,000	\$9,751,673	N/A	\$178,747,631
LUNG DISEASES RESEARCH	93.838	R01HL128454	INDIANA UNIVERSITI	IIV40877870IVIKC	\$84,159	\$385,860	\$722,073	RESEARCH AND DEVELOPMENT	\$178,747,631
LUNG DISEASES RESEARCH	93.838	R01HL152288			704,133	\$16,054	\$722,073	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF IOWA	S00313-01		+,	*,		¥=: 0,:,002
			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			42.55	\$102,958	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846 93.846	R21AR071563 R21AR075160			\$2,605	\$6,554	\$1,940,080 \$1.940.080	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846 93.846	R21AR075160 R34AR074209				\$31,477 \$280,019	\$1,940,080 \$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ALTERNATION AND SCORE OF THE AREA SKIN DISEASES RESEARCH	33.040	1134711074203				9200,019	71,340,000	MESE MOT AND DEVELOT WENT	J170,747,031

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	Identifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846	.,,,,,,	COLUMBIA UNIVERSITY COLUMBIA UNIVERSITY	1(GG012259) 1(GG012460)		\$267,942	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH	93.846		DUKE UNIVERSITY	A03-1070		\$89,255	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
ARTHRITIS, MUSCULOSKELETAL AND SKIN DISEASES RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	93.846		KANSAS STATE UNIVERSITY	S19049		\$6,069	\$1,940,080	RESEARCH AND DEVELOPMENT	\$178,747,631
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 DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL RESEARCH	93.847 93.847	K08DK115886 R01DK055835			\$12,025	\$169,207 \$340,374	\$3,945,136 \$3,945,136	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMORAL RESEARCH	93.847	R01DK095501			\$12,025	-\$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	CACE INTECTEDAL LIMITATORITA	055513036		\$510,998	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
			CASE WESTERN UNIVERSITY CASE WESTERN UNIVERSITY	RES512836 RES513281					
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL			CASE WESTERN UNIVERSITY	RES514009					
RESEARCH	93.847		CASE WESTERN UNIVERSITY	RES51448		\$154,794	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL						, . , .	, ,, , , , ,		, , , , , ,
RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	93.847		COLUMBIA UNIVERSITY	3(GG014693-01)		\$54,698	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	93.847		INDIANA UNIVERSITY KANSAS UNIVERSITY POLYSCYSTIC	BL-4645315-UM		-\$16	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH	93.847		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			THE AMERICAN UROGYNECOLOGIC						
RESEARCH	93.847		SOCIETY	N/A		\$415	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL							4		
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 UNIVERSITY OF SOUTH FLORIDA	6163-1042-00-X TRIALNET SITE #224		-\$6,368	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL	33.047		ONVERSITY OF SCOTT FEMILEA	TRIALIVET SITE #224		-50,500	<i>\$3,343,130</i>	RESEARCH AND DEVELOT MENT	\$170,747,031
RESEARCH	93.847		VANDERBILT UNIVERSITY	UNIV60430		\$21,470	\$3,945,136	RESEARCH AND DEVELOPMENT	\$178,747,631
DIABETES, DIGESTIVE, AND KIDNEY DISEASES EXTRAMURAL			WASHINGTON UNIVERSITY	WU-17-184		, , .	, , , , , , ,		, , , ,
RESEARCH	93.847		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 EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	93.853	R01NS090634				\$364,492	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
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 E10 07E	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND	33.033	K13N3051514				300,433	\$2,310,573	RESEARCH AND DEVELOPINENT	31/6,/4/,031
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									4
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	55.055	1/211/3103/02				J110,500	72,310,373	MEDEL MICH AND DEVELOR WEINT	J170,747,031
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
						+/	+-,,5,5		, , , ,

	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount	To do not	Federal	el de	et al.
Federal Awarding Agency/Program Title	Listing Number	Identification (Optional)	Pass-Through Entity	Pass-Through Entity	Provided to Sub-Recipients	Federal Expenditures	Program Total	Cluster Name	Cluster Total
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND		,,,,,,		·					
NEUROLOGICAL DISORDERS	93.853		UNIVERSITY OF NEBRASKA LINCOLN	24-6221-0414-002		\$35,258	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
EXTRAMURAL RESEARCH PROGRAMS IN THE NEUROSCIENCES AND NEUROLOGICAL DISORDERS	93.853		WASHINGTON UNIVERSITY	WU-20-316		\$2,076	\$2,518,975	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	F32AI131468	WASHINGTON CHIVERSHIT	WO-20-310		\$70,585	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R01AI046458				\$79,077	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R01AI097187				\$46,470	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R01Al110420				\$275,960	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855 93.855	R01AI116595 R01AI116744				\$416,164 \$202,127	\$4,084,678 \$4,084,678	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R01Al129996				\$393,956	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R01Al134661				\$338,746	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R01Al134681				\$149	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R01Al147640			\$18,237	\$386,480	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855 93.855	R01Al152521 R01AL145960				\$18,350 \$234,259	\$4,084,678 \$4,084,678	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R15Al137984				\$125,594	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R15Al138116				\$186,748	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21Al121492			\$24,976	\$50,460	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21AI121938				-\$254	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21Al127195				\$105	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855 93.855	R21AI127404 R21AI130347				\$100,152 \$122,608	\$4,084,678 \$4,084,678	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21AI130347				\$162,078	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21Al135160				\$139,693	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21Al135820				\$46,801	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21Al136611				\$136,231	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21AI137504				\$230	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855 93.855	R21AI143363 R21AI144433				\$183,456 \$25,369	\$4,084,678 \$4,084,678	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21AI144433				\$32,867	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855	R21Al146397				\$16,699	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		ALBANY MEDICAL COLLEGE	515492-UMO		\$18,436	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		COLORADO STATE UNIVERSITY	G-44372		\$147,941	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY. IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855 93.855		CRYOCRATE LLC FMORY UNIVERSITY	MU 003 T942000		\$1,183 -\$3,358	\$4,084,678 \$4,084,678	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
ALLERGY, INVINIONOLOGY AND TRANSPLANTATION RESEARCH	93.833		FRED HUTCHINSON CANCER	1942000		-53,338	\$4,084,078	RESEARCH AND DEVELOPMENT	\$178,747,031
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		RESEARCH CENTER	0000956621		\$80,773	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		NOTRE DAME UNIVERSITY	203542UM		\$5,842	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF CALIFORNIA LOS						
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855 93.855		ANGELES	1560 G XC327 SUBK00009447		\$2,381	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, IMMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY. IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855 93.855		UNIVERSITY OF MICHIGAN UNIVERSITY OF TENNESSEE	190209-200909-UMKC		\$6,433 \$23,250	\$4,084,678 \$4,084,678	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
ALLERGY, INMUNOLOGY AND TRANSPLANTATION RESEARCH ALLERGY. IMMUNOLOGY AND TRANSPLANTATION RESEARCH	93.855		WASHINGTON UNIVERSITY	WU-20-306		\$23,230 \$10,637	\$4,084,678	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
			UNIVERSITY OF KANSAS MEDICAL			¥,	¥ 1,00 1,01 0		¥2.0,7.11,402
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		CENTER RESEARCH INSTITUTE, INC	ZAC00010		\$33,300	\$5,862,354	N/A	\$0
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R01Al150460			\$58,807	\$305,492	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	2R01GM111835				\$60,959	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	R01GM029798 R01GM063732				\$154,615 \$203,290	\$5,862,354 \$5,862,354	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R01GM065546			\$6,167	\$39,764	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R01GM093123				\$9,336	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R01GM103841				\$12,342	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R01GM109980			\$10,515	\$259,763	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	R01GM117059 R01GM117135				\$363,656 \$229,273	\$5,862,354 \$5,862,354	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R01GM117133				-\$2,607	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R01GM121445				\$209,020	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R01GM121798			\$41,263	\$326,257	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R01GM125669			\$28,688	\$150,654	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R15GM094770				\$101,846	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	R15GM113200 R15GM117507				\$3,505	\$5,862,354 \$5,862,354	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747.631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R15GM117507 R15GM117508-01				\$56,577 \$25,209	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R15GM119070				\$64,649	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R15GM126502				\$150,587	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	R15GM132752				\$20,765	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	R15GM135807 R15GM137315				\$17,473	\$5,862,354 \$5,862,354	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
DIOWIEDICAE RESEARCH AND RESEARCH TRAINING	55.655	V170INI12/212				\$20,717	\$3,002,334	NEGERNON AND DEVELOPMENT	21/0,/4/,031

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
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 BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859 93.859	R35GM136409 R37GM029963				\$8,410 \$455,014	\$5,862,354 \$5,862,354	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859	T32GM008396				\$455,014	\$5,862,354 \$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631 \$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	NZJGWIZJZZG	FMORY LINIVERSITY	T951652	J20,J42	\$84,361	\$5,862,354	RESEARCH AND DEVELOPMENT	\$178,747,631
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		PURDUE UNIVERSITY	11000888-012		\$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
			UNIVERSITY OF KANSAS CITY MEDICAL CENTER RESEARCH INSTITUTE INC UNIVERSITY OF KANSAS CITY MEDICAL CENTER RESEARCH	Z9B000N0					
BIOMEDICAL RESEARCH AND RESEARCH TRAINING	93.859		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 R21HD099337				-\$783	\$4,809,650	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.865 93.865					\$99,182	\$4,809,650 \$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL RESEARCH	93.803	R21HD100726				\$2,859	\$4,809,030	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	93.865		JOHNS HOPKINS UNIVERSITY	2002181008		\$35,294	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	93.865		LEHIGH UNIVERSITY OREGON HEALTH SCIENCE	543567-78001		\$28,900	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH	93.865		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			UNIVERSITY OF CALIFORNIA SAN						
RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	93.865		FRANSCISO UNIVERSITY OF KANSAS MEDICAL	10374SC		\$123,052	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
RESEARCH CHILD HEALTH AND HUMAN DEVELOPMENT EXTRAMURAL	93.865		CENTER RESEARCH INSTITUTE INC	ZAK00010		\$5,178	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
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	02.055		UNIVERSITY OF SOUTHERN	400224072		625.026	d4.000.000	DESCRIPCIO AND DELICIONALENT	6470 747 624
RESEARCH	93.865 93.866	204 4 CO 40205	CALIFORNIA	100324072		\$25,036	\$4,809,650	RESEARCH AND DEVELOPMENT	\$178,747,631
AGING RESEARCH AGING RESEARCH	93.866	R01AG048205 R01AG059818				\$302,518 \$132,893	\$2,074,898 \$2,074,898	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$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	33.000	NZIAG001031	INDIANA LINIVERSITY	IN4680040UM		ÿ100,201	\$2,074,030	RESEARCH AND DEVELOT WEIGH	\$170,747,031
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 FRANSCISO	11955SC		\$334	\$2,074,898	RESEARCH AND DEVELOPMENT	\$178,747,631
			UNIVERSITY OF KANSAS MEDICAL			,			
AGING RESEARCH	93.866		CENTER RESEARCH INSTITUTE INC	Q\$85528Y		\$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 VISION RESEARCH	93.866 93.867	1D1EEV020012 0144	WASHINGTON UNIVERSITY	WU-17-250		\$137,676	\$2,074,898	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH VISION RESEARCH	93.867	1R15EY029813-01A1 R01EY017294				\$55,640 \$231,223	\$3,669,719 \$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
VISION RESEARCH VISION RESEARCH	93.867	R01EY023219				\$367,857	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
VISION RESEARCH VISION RESEARCH	93.867	R01EY023219 R01EY023968				\$156,196	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
	33.007					7130,130	73,003,713		91.0,747,031

	Federal	Additional		Identifying Number					
	Assistance	Award	Name of Funder	Assigned By Funder	Total Amount		Federal	- ·	- ·
Fodoral Awarding Agoncy/Program Title	Listing Number	Identification (Optional)	Pass-Through Entity	Pass-Through Entity	Provided to	Federal Expenditures	Program Total	Cluster Name	Cluster Total
Federal Awarding Agency/Program Title VISION RESEARCH	93.867	R01EY024221	Enuty	Entity	Sub-Recipients	\$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 VISION RESEARCH	93.867 93.867	R21EY030233 R21EY030234				\$211,572 \$286,657	\$3,669,719 \$3,669,719	RESEARCH AND DEVELOPMENT RESEARCH AND DEVELOPMENT	\$178,747,631 \$178,747,631
VISION RESEARCH	93.867	K21E1U3U234	UNIVERSITY OF NORTH TEXAS	1R01EY027005		-\$140	\$3,669,719	RESEARCH AND DEVELOPMENT	\$178,747,631
MATERNAL, INFANT AND EARLY CHILDHOOD HOME VISITING	33.007		CHILDRENS MERCY HOSPITAL	16-0011		-5140	Ş3,003,713	RESEARCH AND DEVELOT MENT	\$170,747,031
GRANT	93.870		CHILDRENS MERCY HOSPITAL	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	50
MEDICAL LIBRARY ASSISTANCE	93.879	R01LM012221	AND SENIOR SERVICES	AUC20380002		\$193,080	\$659,948	RESEARCH AND DEVELOPMENT	\$178,747,631
MEDICAL LIBRARY ASSISTANCE	93.879	R21LM012790				199697	1 7	ESEARCH 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	AOC18380166 N/A		\$1,051,161	\$1,051,161	RESEARCH AND DEVELOPMENT	\$178,747,631
			ST LOUIS COUNTY DEPARTMENT OF HEALTH ST LOUIS COUNTY DEPARTMENT OF	38-675					
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM	93.910		HEALTH	N/A		\$29,243	\$70,586	N/A	\$0
FAMILY AND COMMUNITY VIOLENCE PREVENTION PROGRAM RURAL HEALTH CARE SERVICES OUTREACH, RURAL HEALTH NETWORK DEVELOPMENT AND SMALL HEALTH CARE PROVIDER	93.910		ST. LOUIS COUNTY MISSOURI RANDOLPH COUNTY CARING	N/A		\$41,343	\$70,586	RESEARCH AND DEVELOPMENT	\$178,747,631
QUALITY IMPROVEMENT	93.912		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			IOWA DEPARTMENT OF HEALTH	5880MH41					
MOTHERHOOD AND INFANT HEALTH INITIATIVE PROGRAMS	93.946		IOWA DEPARTMENT OF HEALTH	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 COOPERATIVE AGREEMENTS TO SUPPORT STATE-BASED SAFE	93.946		STATE OF MONTANA	19-07-5-01-300-0		\$28,309	\$75,068	N/A	\$0
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	AOC11380234 TA 20905		\$19,476	\$19,476	N/A	\$0
BLOCK GRAIN'S FOR COMMUNITY MENTAL HEALTH SERVICES	33.336		MISSOURI DEPARTMENT OF MENTAL HEALTH MISSOURI DEPARTMENT OF MENTAL HEALTH MISSOURI DEPARTMENT OF MENTAL HEALTH MISSOURI DEPARTMENT OF MENTAL	AOC01380098 AOC09380028		315,470	\$15,470	N/A	, ju
PLOCK CRANTS FOR REFLENTION AND TREATMENT OF SUPETANCE			HEALTH	AOC11380234 TA 19901					
BLOCK GRANTS FOR PREVENTION AND TREATMENT OF SUBSTANCE			MISSOURI DEPARTMENT OF MENTAL	AOC11380234 TA 20901		6030 440	ć034.0CC	N/A	**
ABUSE	93.959		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-FPD-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 DOH01-0000054764		\$10,693	\$10,693	N/A	\$0

	Federal Assistance	Additional Award	Name of Funder	Identifying Number Assigned By Funder	Total Amount		Federal		
	Listing	Identification	Pass-Through	Pass-Through	Provided to	Federal	Program	Cluster	Cluster
Federal Awarding Agency/Program Title MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE	Number	(Optional)	Entity MINNESOTA DEPARTMENT OF	Entity	Sub-Recipients	Expenditures	Total	Name	Total
STATES	93.994		HEALTH	145097		\$38,246	\$81,777	N/A	\$0
S.M.S	33.334		MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	AOC17380018		<i>950,</i> 240	401,777	147.	
MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE			AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	AOC20380009 CS170220009					
STATES MATERNAL AND CHILD HEALTH SERVICES BLOCK GRANT TO THE	93.994		AND SENIOR SERVICES MISSOURI DEPARTMENT OF HEALTH	CS192865009		\$21,235	\$81,777	N/A	\$0
STATES	93.994		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 DIRECT-FROM-SAMPLE PHENOTYPIC AST DIAGNOSTIC FOR N.	93.RD	N/A	BLOODSTONE DIVISION LLC	N/A		\$4,543	\$172,286	RESEARCH AND DEVELOPMENT	\$178,747,631
GONORRHOEAE	93.RD	00063570	IMPEDX DIAGNOSITCS	00063570		-\$4,143	\$172,286	RESEARCH AND DEVELOPMENT	\$178,747,631
COTCO28: 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	HUMAN SERVICES RESEARCH			\$36,580	\$36,580	N/A	\$0
NCAPPS	93.U02	1176-UMKC	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
iiio iib Etimet oliivi iiosee	33.003	710023300030	NATIONAL ASSOCIATION OF STATE DIRECTORS OF DEVELOPMENTAL	7.0023300030		<i>\$255,521</i>	<i>\$233,321</i>	.,,,,	Ç.
NEW EDITIONS EVALUATION WITH NASDDDS 2018-2019	93.U04	N/A	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
TOTAL DEPARTMENT OF HEALTH AND HUMAN SERVICES					\$11,372,071	\$135,516,469			
CORPORATION FOR NATIONAL AND COMMUNITY SERVICE									
AMERICORPS	94.006					\$2,005	\$755,372	N/A	\$0
AMERICORPS	94.006		JUMPSTART JUMPSTART	2420200 500200		\$207,452	\$755,372	N/A	\$0
AMERICORPS	94.006		MISSOURI COMMUNITY SERVICE COMMISSION	N/A		\$545,915	\$755,372	N/A	\$0
TOTAL CORPORATION FOR NATIONAL AND COMMUNITY SERVICE				,		\$755,372	,,.	,	
EXECUTIVE OFFICE OF THE PRESIDENT									
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
TOTAL EXECUTIVE OFFICE OF THE PRESIDENT	95.001	N/A	COUNCIL OF ECONOMIC ADVISERS	N/A		\$66,662	\$00,002	N/A	ŞU
DEPARTMENT OF HOMELAND SECURITY					_	\$00,002			
DEFANTIVIEW OF HOUVIELAND SECURITY			MICCOLIDI DEPARTMENT OF						
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	\$178,747,031
HOMELAND SECURITY GRANT PROGRAM	97.067		MISSOURI STATE UNIVERSITY	P0052051		\$18,000	\$74,779	N/A	\$0
			STATE EMERGENCY MANAGEMENT						
HOMELAND SECURITY GRANT PROGRAM	97.067		AGENCY EAST-WEST GATEWAY COUNCIL OF	AOC16380071		\$55,900	\$74,779	N/A	\$0
HOMELAND SECURITY GRANT PROGRAM	97.067		GOVERNMENT	48887005-GIS		\$879	\$74,779	RESEARCH AND DEVELOPMENT	\$178,747,631
TOTAL DEPARTMENT OF HOMELAND SECURITY						\$135,393			
					_	\$133,393			
U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT									
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		MICHIGAN STATE UNIVERSITY	RC102095BHEARD		\$1,142	\$199,456	N/A	\$0

	Federal Assistance Listing	Additional Award Identification	Name of Funder Pass-Through	Identifying Number Assigned By Funder Pass-Through	Total Amount Provided to	Federal	Federal Program	Cluster	Cluster
Federal Awarding Agency/Program Title	Number	(Optional)	Entity	Entity	Sub-Recipients	Expenditures	Total	Name	Total
			UNIVERSITY OF ILLINOIS SYSTEM	072112-17361					
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF ILLINOIS SYSTEM	072112-17425		\$193,742	\$199,456	N/A	\$0
USAID FOREIGN ASSISTANCE FOR PROGRAMS OVERSEAS	98.001		UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN UNIVERSITY OF ILLINOIS URBANA CHAMPAIGN	2013-04026-05 2013-04026-13 2013-04026-14	\$4,572	\$4,572	\$199,456	RESEARCH AND DEVELOPMENT	\$178,747,631
TOTAL U.S. AGENCY FOR INTERNATIONAL DEVELOPMENT					\$4,572	\$199,456			
TOTAL EXPENDITURE OF FEDERAL AWARDS					\$29,009,921	\$765,108,524			

<u>Please Note:</u> 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.

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:

	Assistance Listing	Outstanding Balance
Federal Grantor/Program Title	Number	at 6/30/2020
DEPARTMENT OF EDUCATION LOAN PROGRAMS		
PERKINS LOAN PROGRAM	84.038	\$ 20,035,966
FEDERAL DIRECT STUDENT LOANS	84.268	N/A
DEPARTMENT OF HEALTH AND HUMAN SERVICES		
LOAN PROGRAMS		
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.

The Board of Curators University of Missouri System Page 2

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.

The Board of Curators University of Missouri System Page 2

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.

The Board of Curators University of Missouri System Page 3

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.

Kansas City, Missouri

June 10, 2021

BKD, LLP

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 state accordance with accounting principles generally accepted in the Uwas:		
	□ Unmodified □ Qualified □ Adverse □ D	isclaimer	
2.	The independent auditor's report on internal control over financia	l reporting disc	closed:
	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
Fede	ral Awards		
4.	The independent auditor's report on internal control over compliant programs disclosed:	nce for major t	federal awards
	Significant deficiency(ies)?	Yes	None reported
	Material weakness(es)?	Yes	⊠ No
5.	The opinion expressed in the independent auditor's report on comwas:	pliance for ma	jor federal awards
	□ Unmodified □ Qualified □ Adverse □ D	isclaimer	
6.	The audit disclosed findings required to be reported by 2 CFR 200.516(a)?	Yes	⊠ No

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 \$3,0	00,000.
9.	The System qualified as a low-risk auditee? Yes	☐ No

Schedule of Findings and Questioned Costs (Continued) Year Ended June 30, 2020

Reference	Einding	
Number	Finding	
No matters	s are reportable.	
	be Reported by the Uniform Guidance	
Findings Required to b		
Reference		

No matters are reportable.

Summary Schedule of Prior Audit Findings Year Ended June 30, 2020

Reference		
Number	Summary of Finding	Status

No matters are reportable.