UNIVERSITY OF MISSOURI SYSTEM

Fiscal Year 2017

Appropriations Request for Operations

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University of Missouri System

Fiscal Year 2017

UNIVERSITY OF MISSOURI SYSTEM

FY2017 APPROPRIATIONS REQUEST FOR OPERATIONS

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The University of Missouri System

The mission of the University of Missouri System, as a land-grant university and Missouri's only public research and doctoral-level institution, is to discover, disseminate, preserve, and apply knowledge. The university promotes learning by its students and lifelong learning by Missouri's citizens, fosters innovation to support economic development, and advances the health, cultural, and social interests of the people of Missouri, the nation, and the world.

Today, we are educating more than 77,000 students. While our quantity continues to grow, the quality of our students has also never been better. In fact, ACT scores and GPAs of our incoming classes are at an all-time high. We also are experiencing continued growth in minority student enrollment. Over the last decade, University of Missouri students account for 97 percent of the FTE undergraduate enrollment growth among the state's four-year public institutions.

We take great pride in our responsibility of being good stewards of state resources, and continue to look for ways to be more efficient and effective in our day-to-day operations. Since 2001:

- Systemwide student enrollment has grown 37 percent while faculty and staff have only grown 8.7 percent.
- The six-year graduate rate for degree-seeking freshmen has improved from 61 percent to 65 percent.
- In real terms, the operating expense per degree has declined by nearly $14,000, representing a 17 percent reduction in cost per degree.

We are truly achieving more with fewer resources.

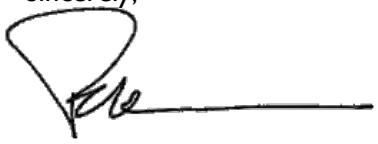
Since 2013, the UM System has been focused on the objectives set forth in our strategic plan. One of three themes is to advocate for higher education and the UM System, which I have done in the past and will continue to do. This year will be the third year of the Show Me Value Tour where I have traveled our great state to spread the message of the value of a college degree. It is imperative that our state's constituents understand how important higher education is to their futures, their communities and Missouri's economy. Local business and civic leaders in these communities are relying on the land-grant institution to meet their workforce needs and improve the quality of life for all six million Missourians. An investment in higher education is the best path to success for the entire state, and, our partnership with the State of Missouri is so vital to this success.

I am excited about where our university is headed, and grateful for the support we have received from the state of Missouri, especially our most recent capital and operating appropriation increases. These combined increases reflect the largest two-year state investment in the UM System in more than three decades. We look forward to building upon this momentum.

Our top priority going forward in our FY17 appropriations request for operations is the funding of the FY16 core of $447.3 million as well as continued funding for improved outcomes to help us meet our goals. In addition to the core, we are submitting other strategic investments we believe have a high return to the state.

In addition to our four campuses, which are located across the state with urban campuses in the two largest cities and our flagship and technological campuses in the center, the university's patient care, outreach and extension programs reach Missouri residents in all 114 counties in the state. We are committed to serving the state's higher education needs and developing the UM System in a way that will provide the best possible service to our students and our communities.

Sincerely,



Timothy M. Wolfe
President

Summaries

Executive Summary

Funding for Core Operations

The University's first priority is to maintain its base level of support in order to ensure we can carry out our mission of teaching, research, public service, and economic development. This theme is made up of five components, totaling **$447.3 million**:

$434.5 million Operating Appropriation is comprised of the $428.8 million core appropriation received in FY16 plus $5.7 million in new funding for improved outcomes (performance funding). The total contributes 35% of the University's operating fund budget.

$2.0 million UMKC and MSU Pharmacy Funding for the satellite Doctor of Pharmacy program at Missouri State University. A continuing appropriation since FY12, the funds initially supported infrastructure needs, while the sustaining appropriation will support personnel and distance education costs for the program. The program is fully accredited and the first class was enrolled in fall 2014.

$10.0 million for School of Medicine Partnerships is for the MU School of Medicine in Columbia and CoxHealth and Mercy Health Systems in Springfield to address the state's physician shortage. The partnership will allow a 33% expansion in the School's annual class size through the creation of a clinical campus in Springfield.

$0.3 million UMSL International Collaboration promotes economic growth through international collaboration by attracting new business to Missouri. The initiative will connect the economies of St. Louis and Israel with a pipeline that links experienced professional to identify Israeli companies interested in international expansion into the St. Louis markets.

$0.5 million UMKC Neighborhood Initiative Program will allow the UMKC Center for Neighborhoods under the umbrella of the Department of Architecture and Urban Planning and Design to meet the critical needs of Kansas City neighborhoods though capacity building, planning and design services, legal aid, and organizational assistance. The center will provide a one-stop location where leaders can access the resources and capacities of UMKC including faculty, staff and students.

Other Investment Requests

As the state's land grant research university, the University plays a critical role in supporting economic competitiveness by educating students and fostering research and innovation in the STEM disciplines. These three new investments total **$33.3 million**.

$21.7 million Funding for Improved Outcomes - Performance Funding computed as a 5 percent increase on the core is requested. An increase in state support for the University of Missouri is critical to ensure continued accessibility, quality, and cutting edge educational programs to educate the state's leaders of tomorrow. The University has chosen performance funding measures (Funding Based on Improved Outcomes) to hold itself accountable in key performance areas.

$8.7 million for STEM Investment will be used in strategic STEM areas to develop new STEM degree programs, course redesign and enhanced student support, as well as increasing student engagement and retention at both the pre-college and college levels. This increase is computed as 2% of the FY2016 core appropriation or $8.7 million.

$1.5 million for UMKC/Missouri Southern Dental School Expansion will be used for the strategic partnership with Missouri Southern State University (MSSU) in Joplin to address the need for dentistry in the region by providing distance education with onsite clinics at the MSSU Health Science building. The partnership will provide an additional 15 dentists per year for the region.

$1.2 million Debt Offset Tax Authority The University currently receives a tax refund offset appropriation of $200,000 to cover unpaid debts owed to the institution by state taxpayers. Significant fluctuations in the amount of unpaid debts owed to the University over the past few years along with the lack of an estimated appropriation for these purposes necessitates the need for additional appropriation authority to continue reimbursements from the state.

Other Programs

The Missouri Kidney Program, Missouri Telehealth Program, State Historical Society of Missouri, Alzheimer's Research, Spinal Cord Injury, and Seminary Fund comprise the Other Curator Programs.

$5.9 million for Other Curator Programs Core and Inflationary Increase Requests for Missouri Kidney Program, Missouri Telehealth, and State Historical Society include continued funding of the core. FY16 was the first year we received funding of $1.5 million for the Telehealth Program Show-Me Extension Community Healthcare Outcomes (ECHO) to expand the availability of health care to rural areas.

$1.4 million for Core Restoration of the Missouri Kidney Program The Missouri Kidney Program (MoKP) requests restoration of its core of $1.4 million to restore the program to the FY2011 $2.9 million appropriated amount. For MoKP to fulfill its mission of providing direct patient assistance to chronic End-Stage Renal Disease patients and prevention education, it is imperative to restore the MoKP budget back to this level of appropriation. This has had a devastating impact on kidney patients and families throughout Missouri, and indirectly to the overall health and economy of the state.

$0.1 million Telehealth and Missouri Kidney Program Inflation is requested. Telehealth and Missouri Kidney Programs request a 3% inflation increase or $110,630 in funds to support a composite merit increase to the salary and wage budget and associated benefits plus inflationary increases to other expenses incurred in providing services to citizens of Missouri.

$0.3 million for State Historical Society is requested. The State Historical Society of Missouri exists to collect, preserve, make accessible, and publish materials pertaining to the history of the state, Middle West, and the West. The State Historical Society is requesting an estimated $282,370 ongoing for inflation, a new FTE, preservation microfilming of newspapers, plus funding for pay equity of existing staff.

Requests for Legislative Requirements

Requests are made for the Alzheimer's Research Fund, Spinal Cord Injury Research Fund, Missouri Returning Heroes Act, and Seminary Fund in accordance with legislative requirements. Of these four requests only two, Missouri Returning Heroes and Alzheimer's Research are funded from state general revenue. The others have special fund sources that cannot be used for any other purpose.

$0.5 million to fund the Alzheimer's Program Alzheimer's disease is a particular problem in Missouri, a state with one of the largest elderly populations in the country. The purpose of this request is to fund research that will advance knowledge relating to Alzheimer's disease and related disorders.

$1.5 million Spinal Cord Injury Fund appropriation is needed to make and administer research awards, consistent with the legislation, to investigators affiliated with a public or private educational, health care, voluntary health association or research institution.

$3.3 million to fund the Seminary Fund This program provides income for the general operation of University of Missouri College of Agriculture and School of Mines and Metallurgy. Per state statute, the Seminary monies belong to the University but the state must hold the securities. A request must be made to the state annually for earnings from the monies to be distributed to the University. Requests must also be made for any reinvestment of the principal from maturing investments.

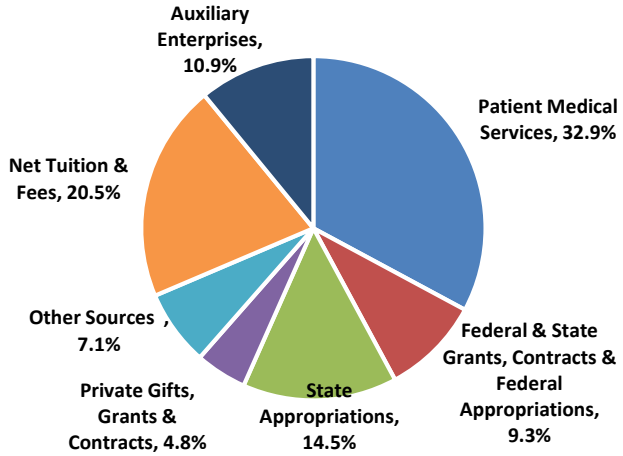
$3.7 million to fund the Missouri Returning Heroes Act The University is requesting additional appropriations equivalent to tuition waived in FY2009 through FY2015 for the Missouri Returning Heroes Education Act. This act limits the amount of tuition charged to combat veterans who meet certain criteria but provides that institutions may request the tuition waived in the following year's appropriation request. Since the request was not funded in previous years, all seven years are included. Based on the most recent data available, 1,348 unduplicated students have benefited from this program.

Statistical Highlights

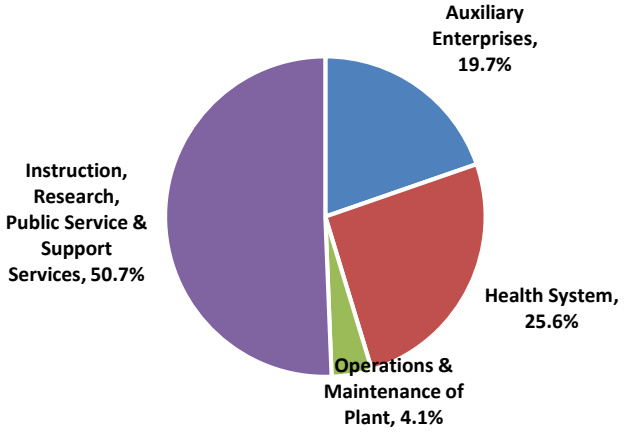
Campuses	Columbia, Kansas City, Missouri S&T, and St. Louis
Enrollment, Fall 2014	
MU:	35,425
UM-Kansas City:	16,146
Missouri Science & Technology:	8,640
UM-St. Louis:	17,072
Total enrollment:	77,283
(76 percent undergraduate, 24 percent graduate and first professional students)	
Total degrees granted, FY15:	18,109
Total faculty, Fall 2014: *(66 percent full-time, 34 percent part-time)*	5,937
Total staff, Fall 2014: *(78 percent full-time, 22 percent part-time)*	17,786
Total graduate assistants, Fall 2014:	4,160
Total student financial aid FY14: *(in grants, loans, work programs, scholarships, fellowships and other aid)*	$888.1 million
Net book value of capital assets: *(as of June 30, 2015)*	$3.2 billion
Land holdings: *(as of June 30, 2015)*	20,250 acres
Grants and contracts expenditures, FY15	
Federal:	$215 million
Other:	$124 million
(includes state, industry, not-for-profit organizations and other)	
Total grants and contracts:	$339 million
Total gifts, FY15: *(includes unrestricted private gifts, capital gifts and private gifts for endowment)*	$120 million
Endowment & similar funds *(stated at market as of June 30, 2015)*	
Market value:	$1,387,208,276
Endowment per student:	$23,289

FY15 data shown where available, otherwise prior year data reported.

Total Current Fund Revenues, FY15 $3.0 billion



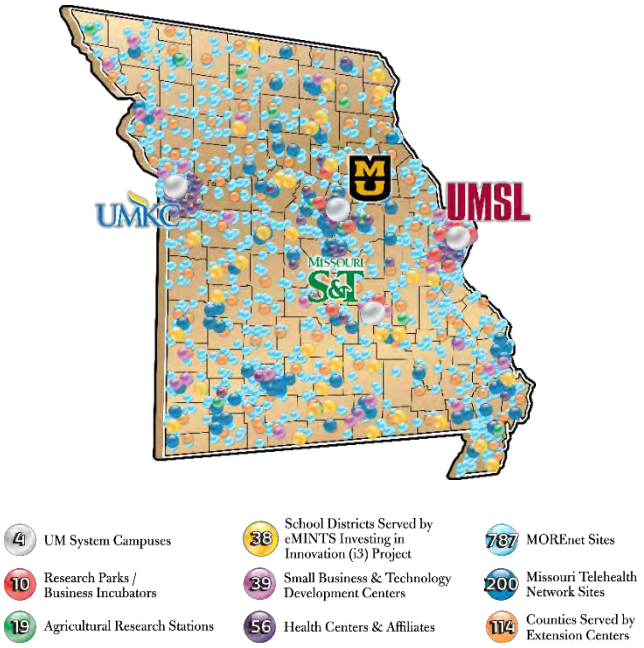
Total Current Fund Expenditures, FY15 $2.7 billion



Economic Development: Investing in Missouri

- UM generated $3.0 billion in total revenues in 2015.
- With more than 31,000 employees in the state, UM was Missouri's 2nd largest employer in 2013.
- UM was issued 53 U.S. patents and filed 83 new U.S. patent applications in 2014.
- Four business startups were created around UM technologies in 2014 and the university earned $10.8 million in licensing income.
- UM received 176 new invention disclosures in 2014.

UM System Statewide Reach 2014

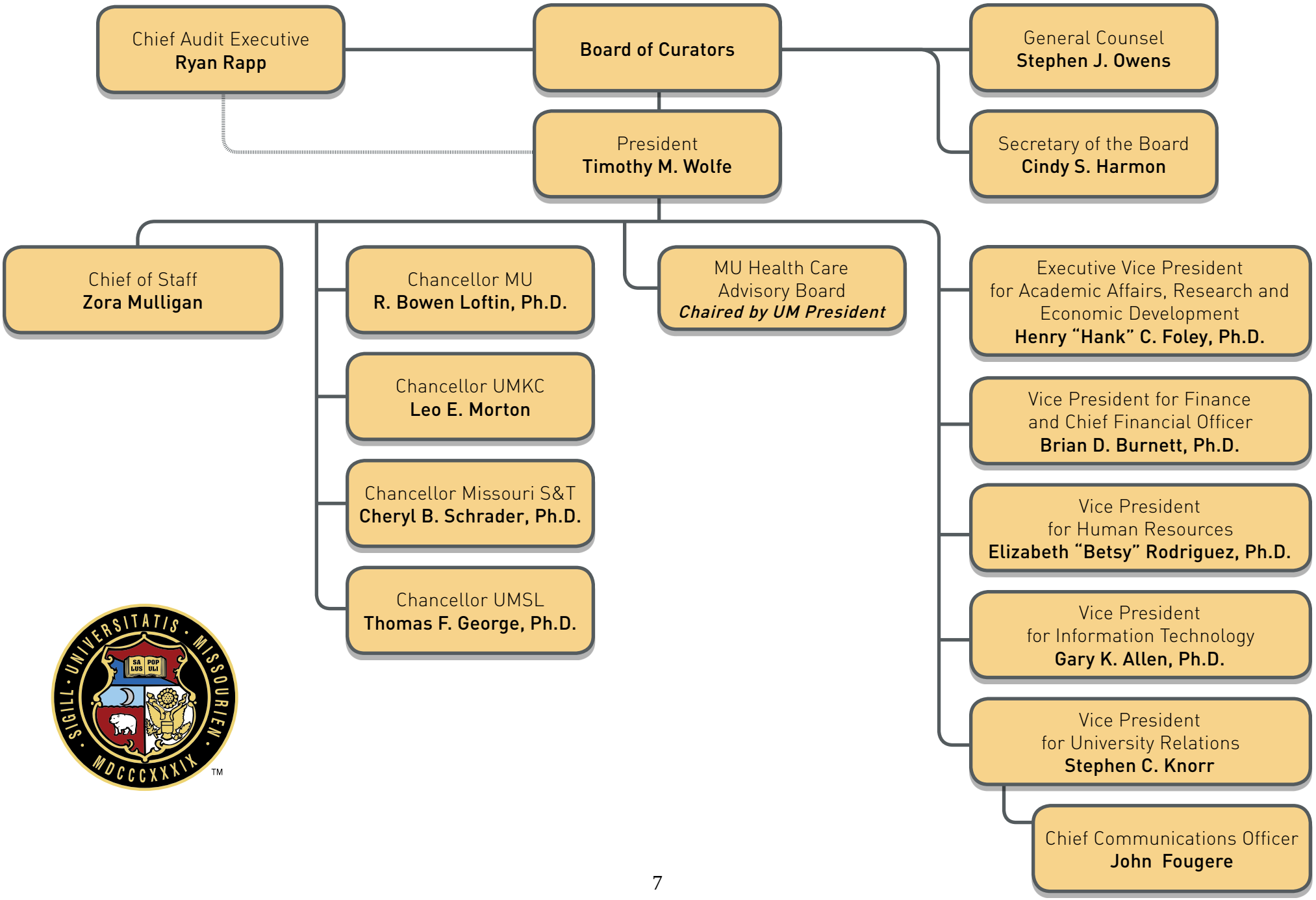


FY15 data shown where available, otherwise prior year data reported.

UM Statewide Impact

Students from Missouri, 2014:	57,719
Alumni in Missouri, 2014:	247,865
Selected school alumni:	
Medicine:	3,943
Nursing:	9,151
Other Health Professions:	4,468
Veterinary Medicine:	1,644
Dentistry:	2,647
Pharmacy:	1,871
Engineering:	26,643
Optometry:	493
Agriculture:	12,494
Law:	8,349
Employees & Retirees living in Missouri, 2014:	38,771
State tax revenue generated in Missouri by University employees & retirees, 2014:	$50.9 million
Construction projects & contracts awarded in Missouri in 2014:	570 projects for $175.1 million
Extension impact, 2014:	2,566,865 contacts Served by 111 Extension Centers
MU Health System impact, 2014:	564,113 clinic visits, 130,045 inpatient days of care
MOREnet impact, 2014:	63 higher education institutions & 517 K12 schools served.

University of Missouri System Organizational Chart



UNIVERSITY OF MISSOURI SYSTEM
SUMMARY OF FY2017 APPROPRIATIONS REQUEST FOR OPERATIONS

	DECISION ITEM NUMBER	STATE APPROPRIATIONS
FY2017 Appropriation Base (Core plus Performance Funding) Total		$434,536,572
FY2017 Appropriation UMKC/MSU Pharmacy Doctorate Program		2,000,000
FY2017 Appropriation MU Medical School Partnerships		10,000,000
FY2017 Appropriation UMSL International Collaboration		300,000
FY2017 Appropriation UMKC Neighborhood Initiative Program		500,000
Total Recurring Appropriation Cores		**$447,336,572**
RECURRING INCREASE REQUESTED:		
Funding for Improved Outcomes - Performance Funding	1	$21,700,000
STEM Investment	2	8,685,231
UMKC/MSSU Dental School Expansion	3	1,500,000
Debt Offset Tax Authority	4	1,200,000
Total Recurring Increase Requested		$33,085,231
TOTAL RECURRING REQUEST FY2017		**$480,421,803**

Current Funds Revenues and Expenditures
University of Missouri System
Actual Revenues & Expenditures
FY2014

	General Operations	Other Unrestricted E&G	Auxiliary Operations	Hospital Operations	Total Unrestricted	Restricted Non-Grants	Grants & Contracts	Total Restricted	Total Current Funds
Revenues									
Tuition and Fees	761,513,119	67,939,122			829,452,241	359	467,393	467,752	829,919,993
Scholarship Allowance/Expense	(171,116,099)	(3,255,521)			(174,371,620)	(22,729,509)	(72,465,167)	(95,194,676)	(269,566,296)
Net Student Fees	590,397,020	64,683,601			655,080,621	(22,729,150)	(71,997,774)	(94,726,924)	560,353,697
State Appropriations	399,326,706			10,027,734	409,354,440	3,295,305		3,295,305	412,649,745
Federal Appropriations	17,965,906				17,965,906			-	17,965,906
Federal Grants and Contracts					-		160,331,692	160,331,692	160,331,692
Federal Pell Grants					-		59,776,445	59,776,445	59,776,445
State Grants and Contracts					-		42,743,216	42,743,216	42,743,216
Other Government Grants and Contracts					-		6,784,549	6,784,549	6,784,549
Other Grants & Contracts					-		76,866,992	76,866,992	76,866,992
Gift Revenues	1,911,246	522	13,713,662		15,625,430	48,112,432		48,112,432	63,737,862
Recovery of F & A	50,480,453				50,480,453		(50,374,441)	(50,374,441)	106,012
Endowment & Investment Income	25,712,754	61,147,839	284,865	15,083,206	102,228,664	45,798,336	14,719	45,813,055	148,041,719
Sales & Services/Net Auxiliary Revenue	47,654,582	3,100,589	522,516,247	733,290,753	1,306,562,171	186,498	210,359	396,857	1,306,959,028
Other Income	43,663,339	8,086,176	-		51,749,515	7,410,514	1,859,918	9,270,432	61,019,947
Total Revenues	**1,177,112,006**	**137,018,727**	**536,514,774**	**758,401,693**	**2,609,047,200**	**82,073,935**	**226,215,675**	**308,289,610**	**2,917,336,810**
Transfers	(41,165,514)	(57,840,656)	(59,129,252)	(61,586,544)	(219,721,966)	648,329	(3,139,034)	(2,490,705)	(222,212,671)
Total Revenues and Transfers	**1,135,946,492**	**79,178,071**	**477,385,522**	**696,815,149**	**2,389,325,234**	**82,722,264**	**223,076,641**	**305,798,905**	**2,695,124,139**
Expenditures									
Salaries & Wages	699,989,399	52,875,274	231,450,773	236,290,529	1,220,605,975	28,168,484	114,772,255	142,940,739	1,363,546,714
Benefit Expense	210,063,348	(36,970,105) *	56,822,816	81,039,299	310,955,358	7,478,325	27,770,111	35,248,436	346,203,794
Total Compensation	910,052,747	15,905,169	288,273,589	317,329,828	1,531,561,333	35,646,809	142,542,366	178,189,175	1,709,750,508
Other Expenses	246,195,305	(47,143,175)	187,535,841	337,128,061	723,716,032	36,456,850	81,012,176	117,469,026	841,185,058
Total Expenditures	**1,156,248,052**	**(31,238,006)**	**475,809,430**	**654,457,889**	**2,255,277,365**	**72,103,659**	**223,554,542**	**295,658,201**	**2,550,935,566**
Change in Net Assets	**(20,301,560)**	**110,416,077**	**1,576,092**	**42,357,260**	**134,047,869**	**10,618,605**	**(477,901)**	**10,140,704**	**144,188,573**
Effect of Change in Accounting Principle		(502,374,284) *							
Change in Net Assets, as Adjusted	**(20,301,560)**	**(391,958,207)**	**1,576,092**	**42,357,260**	**(368,326,415)**	**10,618,605**	**(477,901)**	**10,140,704**	**(358,185,711)**
Expenditures by Program Classification									
Instruction	570,734,620	2,307,124			573,041,744	33,668,940	15,854,508	49,523,448	622,565,192
Research	63,450,654	(4,331,009)			59,119,645	6,890,168	124,283,137	131,173,305	190,292,950
Public Service	51,958,838	(1,089,385)			50,869,453	16,939,627	77,724,140	94,663,767	145,533,220
Academic Support	133,635,985	(438,298)			133,197,687	5,622,216	267,512	5,889,728	139,087,415
Student Services	77,226,424	(2,524,545)			74,701,879	3,768,708	5,179,979	8,948,687	83,650,566
Institutional Support	140,477,824	(21,320,282)			119,157,542	3,308,554	239,401	3,547,955	122,705,497
Operation & Maintenance of Plant	118,763,707	(3,841,611)			114,922,096	216,324	5,865	222,189	115,144,285
Total E&G Expenditures	1,156,248,052	(31,238,006)			1,125,010,046	70,414,537	223,554,542	293,969,079	1,418,979,125
Auxiliaries			475,809,430		475,809,430			-	475,809,430
Hospitals				654,457,889	654,457,889	1,689,122		1,689,122	656,147,011
Total Expenditures by Program Classification	1,156,248,052	(31,238,006)	475,809,430	654,457,889	2,255,277,365	72,103,659	223,554,542	295,658,201	2,550,935,566

* Accounting change to comply with GASB 67 and 68 related to of reporting of university pension plan.

Current Funds Revenues and Expenditures
University of Missouri System
Actual Revenues & Expenditures
FY2015

	General Operations	Other Unrestricted E&G	Auxiliary Operations	Hospital Operations	Total Unrestricted	Restricted Non-Grants	Grants & Contracts	Total Restricted	Total Current Funds
Revenues									
Tuition and Fees	800,054,923	70,158,563			870,213,486	(3,108)	426,581	423,473	870,636,959
Scholarship Allowance/Expense	(184,883,747)	(2,532,831)			(187,416,578)	(24,314,450)	(72,772,992)	(97,087,442)	(284,504,020)
Net Student Fees	615,171,176	67,625,732			682,796,908	(24,317,558)	(72,346,411)	(96,663,969)	586,132,939
State Appropriations	427,490,333			5,013,867	432,504,200	3,006,914		3,006,914	435,511,114
Federal Appropriations	18,702,024				18,702,024			-	18,702,024
Federal Grants and Contracts					-		155,405,802	155,405,802	155,405,802
Federal Pell Grants					-		59,071,825	59,071,825	59,071,825
State Grants and Contracts					-		44,896,451	44,896,451	44,896,451
Other Government Grants and Contracts					-		9,030,063	9,030,063	9,030,063
Other Grants & Contracts	21,040				21,040		70,274,531	70,274,531	70,295,571
Gift Revenues	2,004,603	51	17,768,912		19,773,566	45,791,681		45,791,681	65,565,247
Recovery of F & A	48,325,457				48,325,457		(47,986,642)	(47,986,642)	338,815
Endowment & Investment Income	25,958,103	(6,575,771)	186,363	(3,093,459)	16,475,236	46,874,277	14,088	46,888,365	63,363,601
Sales & Services/Net Auxiliary Revenue	22,938,289	3,250,036	587,297,934	788,974,700	1,402,460,959	164,784	45,362	210,146	1,402,671,105
Other Income	71,513,848	7,899,552	-	-	79,413,400	6,173,119	2,404,365	8,577,484	87,990,884
Total Revenues	**1,232,124,873**	**72,199,600**	**605,253,209**	**790,895,108**	**2,700,472,790**	**77,693,217**	**220,809,434**	**298,502,651**	**2,998,975,441**
Transfers	(13,224,563)	(78,033,048)	(76,909,070)	(94,709,379)	(262,876,060)	(2,157,615)	(2,082,175)	(4,239,790)	(267,115,850)
Total Revenues and Transfers	**1,218,900,310**	**(5,833,448)**	**528,344,139**	**696,185,729**	**2,437,596,730**	**75,535,602**	**218,727,259**	**294,262,861**	**2,731,859,591**
Expenditures									
Salaries & Wages	706,582,413	51,541,872	263,167,507	242,471,026	1,263,762,818	30,444,953	112,966,039	143,410,992	1,407,173,810
Benefit Expense	212,489,901	3,578,696	63,858,224	81,188,219	361,115,040	8,297,860	27,322,653	35,620,513	396,735,553
Total Compensation	919,072,314	55,120,568	327,025,731	323,659,245	1,624,877,858	38,742,813	140,288,692	179,031,505	1,803,909,363
Other Expenses	252,018,384	(59,795,700)	197,828,851	356,530,215	746,581,750	35,100,512	77,328,733	112,429,245	859,010,995
Total Expenditures	1,171,090,698	(4,675,132)	524,854,582	680,189,460	**2,371,459,608**	**73,843,325**	**217,617,425**	**291,460,750**	**2,662,920,358**
Change in Net Assets	**47,809,612**	**(1,158,316)**	**3,489,557**	**15,996,269**	**66,137,122**	**1,692,277**	**1,109,834**	**2,802,111**	**68,939,233**
Expenditures by Program Classification									
Instruction	573,749,666	14,923,669			588,673,335	36,374,365	13,658,718	50,033,083	638,706,418
Research	65,867,016	(1,674,658)			64,192,358	6,466,027	118,435,672	124,901,699	189,094,057
Public Service	54,529,571	808,806			55,338,377	17,308,373	80,828,101	98,136,474	153,474,851
Academic Support	140,497,500	1,685,370			142,182,870	5,750,339	(611,452)	5,138,887	147,321,757
Student Services	82,977,002	(937,295)			82,039,707	4,404,724	5,180,539	9,585,263	91,624,970
Institutional Support	144,263,278	(18,515,147)			125,748,131	2,709,934	120,448	2,830,382	128,578,513
Operation & Maintenance of Plant	109,206,665	(965,877)			108,240,788	173,629	5,399	179,028	108,419,816
Total E&G Expenditures	1,171,090,698	(4,675,132)	-	-	1,166,415,566	73,187,391	217,617,425	290,804,816	1,457,220,382
Auxiliaries			524,854,582		524,854,582			-	524,854,582
Hospitals				680,189,460	680,189,460	655,934		655,934	680,845,394
Total Expenditures by Program Classification	1,171,090,698	(4,675,132)	524,854,582	680,189,460	2,371,459,608	73,843,325	217,617,425	291,460,750	2,662,920,358

Current Funds Revenues and Expenditures
University of Missouri System
Budgeted Revenues & Expenditures
FY2016

	General Operations	Other Unrestricted E&G	Auxiliary Operations	Hospital Operations	Total Unrestricted	Restricted Non-Grants	Grants & Contracts	Total Restricted	Total Current Funds
Revenues									
Tuition and Fees	829,571,347	70,135,062			899,706,409	2,218	-	2,218	899,708,627
Scholarship Allowance/Expense	(192,047,459)	(2,660,810)			(194,708,269)	(31,446,188)	(72,698,000)	(104,144,188)	(298,852,457)
Net Student Fees	637,523,888	67,474,252			704,998,140	(31,443,970)	(72,698,000)	(104,141,970)	600,856,170
State Appropriations	433,722,473				433,722,473	4,544,140		4,544,140	438,266,613
Federal Appropriations	17,514,862				17,514,862			-	17,514,862
Federal Grants and Contracts					-		143,600,000	143,600,000	143,600,000
Federal Pell Grants					-		59,600,000	59,600,000	59,600,000
State Grants and Contracts					-		41,284,452	41,284,452	41,284,452
Other Government Grants and Contracts					-		4,800,000	4,800,000	4,800,000
Other Grants & Contracts					-		70,099,999	70,099,999	70,099,999
Gift Revenues	1,085,770		14,935,000		16,020,770	36,809,266		36,809,266	52,830,036
Recovery of F & A	48,866,000				48,866,000		(48,866,000)	(48,866,000)	-
Endowment & Investment Income	26,844,497	13,752,643	222,850	8,911,440	49,731,430	49,105,979		49,105,979	98,837,409
Sales & Services/Net Auxiliary Revenue	21,137,564	3,058,344	600,773,923	786,725,255	1,411,695,086	180,576		180,576	1,411,875,662
Other Income	40,630,938	6,138,991			46,769,929	5,241,140	100,000	5,341,140	52,111,069
Total Revenues	**1,227,325,992**	**90,424,230**	**615,931,773**	**795,636,695**	**2,729,318,690**	**64,437,131**	**197,920,451**	**262,357,582**	**2,991,676,272**
Transfers	(433)	(64,270,495)	(64,042,541)	(87,981,333)	(216,294,802)	3,854,810	(1,311,762)	2,543,048	(213,751,754)
Total Revenues and Transfers	**1,227,325,559**	**26,153,735**	**551,889,232**	**707,655,362**	**2,513,023,888**	**68,291,941**	**196,608,689**	**264,900,630**	**2,777,924,518**
Expenditures									
Salaries & Wages	726,429,956	51,753,202	271,682,505	252,817,498	1,302,683,161	27,414,132	102,961,190	130,375,322	1,433,058,483
Benefit Expense	225,172,241	23,272,394	69,908,216	86,819,418	405,172,269	8,058,620	30,165,718	38,224,338	443,396,607
Total Compensation	951,602,197	75,025,596	341,590,721	339,636,916	1,707,855,430	35,472,752	133,126,908	168,599,660	1,876,455,090
Other Expenses	237,552,637	(80,880,628)	197,254,517	370,567,675	724,494,201	32,370,379	63,431,288	95,801,667	820,295,868
Total Expenditures	**1,189,154,834**	**(5,855,032)**	**538,845,238**	**710,204,591**	**2,432,349,631**	**67,843,131**	**196,558,196**	**264,401,327**	**2,696,750,958**
Change in Net Assets	**38,170,725**	**32,008,767**	**13,043,994**	**(2,549,229)**	**80,674,257**	**448,810**	**50,493**	**499,303**	**81,173,560**
Expenditures by Program Classification									
Instruction	580,125,904	22,912,354			603,038,258	34,344,332	13,351,825	47,696,157	650,734,415
Research	57,158,783	226,124			57,384,907	4,908,203	104,527,144	109,435,347	166,820,254
Public Service	55,270,603	2,276,982			57,547,585	16,485,973	66,799,754	83,285,727	140,833,312
Academic Support	144,634,303	3,513,719			148,148,022	4,890,399		4,890,399	153,038,421
Student Services	85,300,076	13,388			85,313,464	3,589,671	11,879,472	15,469,143	100,782,607
Institutional Support	148,171,864	(34,511,292)			113,660,572	2,690,251		2,690,251	116,350,823
Operation & Maintenance of Plant	118,493,301	(286,307)			118,206,994	214,875		214,875	118,421,869
Total E&G Expenditures	1,189,154,834	(5,855,032)	-	-	1,183,299,802	67,123,704	196,558,195	263,681,899	1,446,981,701
Auxiliaries			538,845,239		538,845,239			-	538,845,239
Hospitals				710,204,591	710,204,591	719,427		719,427	710,924,018
Total Expenditures by Program Classification	1,189,154,834	(5,855,032)	538,845,239	710,204,591	2,432,349,632	67,843,131	196,558,195	264,401,326	2,696,750,958

Core Programs

UNRESTRICTED EDUCATIONAL AND GENERAL

CORE BUDGET REQUEST ANALYSIS
FORM 4

Department: **Higher Education – Unrestricted**
Level 2: **University of Missouri System**

CORE

The University of Missouri System's foremost priority in the FY2017 request for operations is the funding of its FY2016 core state appropriation of $434.5 million. While the University understands the demands on the state budget, it is critically important that the FY2017 core begin at $434.5 million.

MISSION STATEMENT

University of Missouri
The mission of the University of Missouri, as a land-grant university and Missouri's only public research and doctoral-level institution, is to discover, disseminate, preserve, and apply knowledge. The university promotes learning by its students and lifelong learning by Missouri's citizens, fosters innovation to support economic development, and advances the health, cultural, and social interests of the people of Missouri, the nation, and the world.

University of Missouri-Columbia (MU)
Our distinct mission, as Missouri's only state-supported member of the Association of American Universities, is to provide all Missourians the benefits of a world-class research university. We are stewards and builders of a priceless state resource, a unique physical infrastructure and scholarly environment in which our tightly interlocked missions of teaching, research, service and economic development work together on behalf of all citizens. Students work side by side with some of the world's best faculty to advance the arts and humanities, the sciences and the professions. Scholarship and teaching are daily driven by a commitment to public service — the obligation to produce and disseminate knowledge that will improve the quality of life in the state, the nation and the world.

University of Missouri-Kansas City (UMKC)
UMKC's mission is to lead in life and health sciences; to deepen and expand strength in the visual and performing arts; to develop a professional workforce and collaborate in urban issues and education; and to create a vibrant learning and campus life experience.

Missouri University of Science and Technology (Missouri S&T)
Missouri S&T integrates education, research and application to create and convey knowledge that serves our state and helps solve the world's great challenges.

University of Missouri-St. Louis (UMSL)
The University of Missouri-St. Louis provides excellent learning experiences and leadership opportunities for a diverse student body. Outstanding faculty and staff, innovative research, and creative partnerships foster synergies that advance the welfare of our stakeholders and benefit the global society.

DESCRIPTION

The University of Missouri was founded in 1839 as the first state university west of the Mississippi River. With passage of the Morrill Act by Congress in 1862, the university became a land-grant institution. The university includes four campuses, University of Missouri Health Care, and a university-wide administrative unit. All instructional and research programs are conducted on the campuses, while system administration provides support and administrative services. University of Missouri Extension disseminates information regarding the outcomes of instruction and research to the general public. The campuses are headed by Chancellors, who report to the President. The President is responsible to the Board of Curators, which is the University's governing body appointed by the Governor and confirmed by the Senate.

Today, the University of Missouri is one of the nation's largest higher education institutions with over 77,000 students on four campuses and an extension program with activities in every county of the state. The university continues to have record enrollments. In fall 2014, the total enrollment was 77,283 with 18,794 of this number enrolled in graduate and professional programs. At that time, the full-time teaching and research staff numbered 3,941. In 2014-15, the campuses granted 18,109 degrees.

The Columbia campus offers academic programs through 15 schools and colleges. In fall 2014, the total enrollment was 35,425 with 7,783 of this number enrolled in graduate and professional programs. At that time, the full-time teaching and research staff numbered 2,351. In 2014-15, the campus granted 8,668 degrees. The Kansas City campus offers academic programs through 12 schools and colleges. Its fall 2014 total enrollment was 16,146, which included 5,693 graduate and professional students. The campus employed 719 full-time teaching and research staff. In 2014-15, the campus awarded 3,679 degrees. The Missouri S&T campus offers academic programs through 2 colleges. In fall 2014, its total enrollment was 8,640 students, which included 2,120 enrolled in graduate programs. Full-time teaching and research staff numbered 382. In 2014-15, the campus awarded 2,495 degrees. The St. Louis campus offers academic programs through 11 schools and colleges, and had a fall 2014 total enrollment of 17,072, which included 3,198 graduate and professional students. The campus employed 489 full-time teaching and research staff and awarded 3,267 degrees in 2014-15.

The university's primary responsibility is to serve students and citizens of Missouri, although the university enrolls students from other states and countries to contribute to greater world understanding and to provide a richer learning environment for Missouri residents. The university is also the only public institution in the state which emphasizes basic and applied research and doctoral education as major academic missions. This emphasis on advanced education and research attracts faculty at the forefront of knowledge in their disciplines. As part of an international research community, the university engages in research and creative programs to improve the quality of life and to contribute to a higher standard of living throughout the world. The university has the unique responsibility to the state of providing access to quality educational experiences for Missouri's future health care providers. In addition, as part of a land-grant university, University of Missouri Health Care's core mission is to enhance the health of all people, especially Missourians. Through exceptional clinical service, University of Missouri Health Care supports the education and research missions of the University of Missouri. Their vision: Through discovery and innovation, University of Missouri Health Care will be the health system people choose for exceptional service and exemplary health care.

The university's four campuses are quite diverse in their missions, clientele served, and areas of programmatic strength. This diversity enhances the university's ability to respond to the educational needs of Missourians and provides opportunities for cooperative programs. In serving the needs of its clientele, the university emphasizes its unique capabilities as Missouri's largest and most comprehensive public institution of higher education.

In 2003, the Board of Curators officially added economic development to teaching, research, and service as primary missions of the university. Given the important role of higher education in the 21st century, the University of Missouri also recognizes the growing obligation to convert its research into results for the public good. The university now feeds a pipeline of scientific and technological innovation for our knowledge-based economy, and our role is critical to the economic future of the institution, state, and nation.

The university has the responsibility to bring its unique educational programs and problem-solving capabilities to Missouri citizens throughout the state. University of Missouri Extension programs originating from each campus and through extension centers in each county are directed to deal with locally identified issues where higher education resources can assist.

The university recognizes that no single institution in the state can address all of the higher education needs of Missouri. Thus, the university, through its planning and budgeting processes, is identifying those programs and services of highest priority to the state and is allocating resources to enhance and strengthen these programs.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: University of Missouri
Program is found in the following core budget(s): University of Missouri - UMKC/MSU Doctor of Pharmacy Program

1. What does this program do?

The purpose of this funding is for UMKC to develop a satellite Doctor of Pharmacy program at Missouri State University. The staffing and distance education costs are part of UMKC's budget. The pharmacy students on the MSU campus are registered at UMKC, are considered and treated as UMKC students, but have the opportunity for student services at MSU such as parking, library facilities, and other student activities. The satellite program admitted the first class of 30 students in Fall 2014. The program has completed renovation of a 15,000 sq. ft. state-of-the-art distance education space on the MSU campus in FY15. The school hired an Associate Dean to lead the site along with its first two faculty members and one administrative support staff. In addition, the budget supports an IT specialist for MSU to assist with distance education and IT issues. Six more faculty and an additional administrative support staff will be hired in FY16-17. Once this infrastructure is solidified, the sustaining appropriation supports the additional personnel and distance education costs for the program.

2. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

UMKC Pharmacy is a component of the University of Missouri and falls under these statutes -Section 172.010 - 172.950.

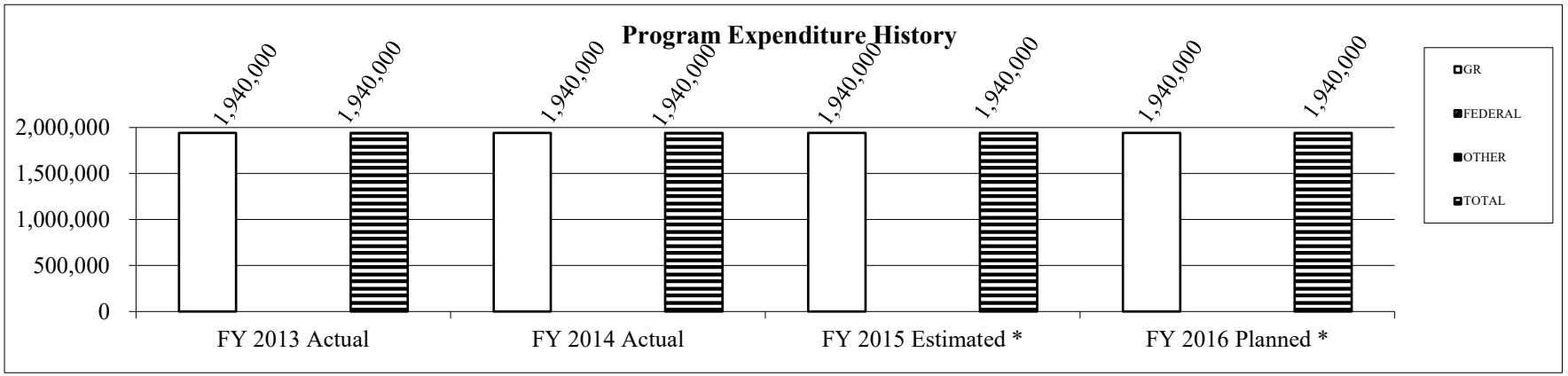
3. Are there federal matching requirements? If yes, please explain.

No

4. Is this a federally mandated program? If yes, please explain.

No

5. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



* Net of 3% Governor's withholding

Department of Higher Education
Program Name: University of Missouri
Program is found in the following core budget(s): University of Missouri - UMKC/MSU Doctor of Pharmacy Program

6. What are the sources of the "Other " funds?

N/A

7a. Provide an effectiveness measure.

Additional students admitted to joint program to increase the number of licensed pharmacists:

FY2014 Planned	FY2015 Admitted	FY2016 Admitted	FY2017 Planned	FY2018 Planned	FY2019 Planned	FY2020 Planned
0	30	30	30	30	30	30

In June of 2014 The Accreditation Council for Pharmacy Education (ACPE) confirmed the accreditation status of the satellite program. The first class of this satellite program admitted 30 students in Fall 2014.

7b. Provide an efficiency measure.

Number of student graduates from joint pharmacy program:

FY2016 Planned	FY2017 Planned	FY2018 Planned	FY2019 Planned	FY2020 Planned	FY2021 Planned	FY2022 Planned
0	0	30	30	30	30	30

7c. Provide the number of clients/individuals served, if applicable.

N/A

7d. Provide a customer satisfaction measure, if available.

N/A

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: University of Missouri
Program is found in the following core budget(s): University of Missouri - MU Medical School Partnerships

1. What does this program do?

In response to the shortage of physicians in Missouri, the University of Missouri School of Medicine in Columbia and CoxHealth and Mercy Health Systems in Springfield will increase medical school enrollment at MU by creating a clinical campus in Springfield, Missouri. At the University of Missouri School of Medicine in Columbia and most other medical schools, students complete four years of education to receive a medical degree and become a physician. Students primarily spend the first two years learning foundational aspects of medicine in educational facilities — such as classrooms, labs, libraries and auditoriums — from a variety of biomedical scientists and physician educators. Students spend much of the final two years of medical school in patient-care facilities such as hospitals and clinics. This clinical component of medical student education involves directly interacting with patients under the supervision of physicians practicing in a variety of specialties, such as family and community medicine, internal medicine, pediatrics, surgery, neurology, psychiatry, obstetrics and gynecology.

Each of the past two years, MU received more than 1,700 applicants to medical school, but it only has the capacity to accept 96 new medical students annually. The clinical campus in Springfield and expanded educational facilities in Columbia will allow MU to accept 128 medical students annually, with 30-35 students from each class completing the second two years of their medical education in Springfield. The first expanded medical school class will admit 8 students in FY15, 8 in FY16, 8 in FY17, 32 in FY18, and 32 each year after.

2. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

MU Medical School is a component of the University of Missouri and falls under the following State statutes -Section 172.010 - 172.950.

3. Are there federal matching requirements? If yes, please explain.

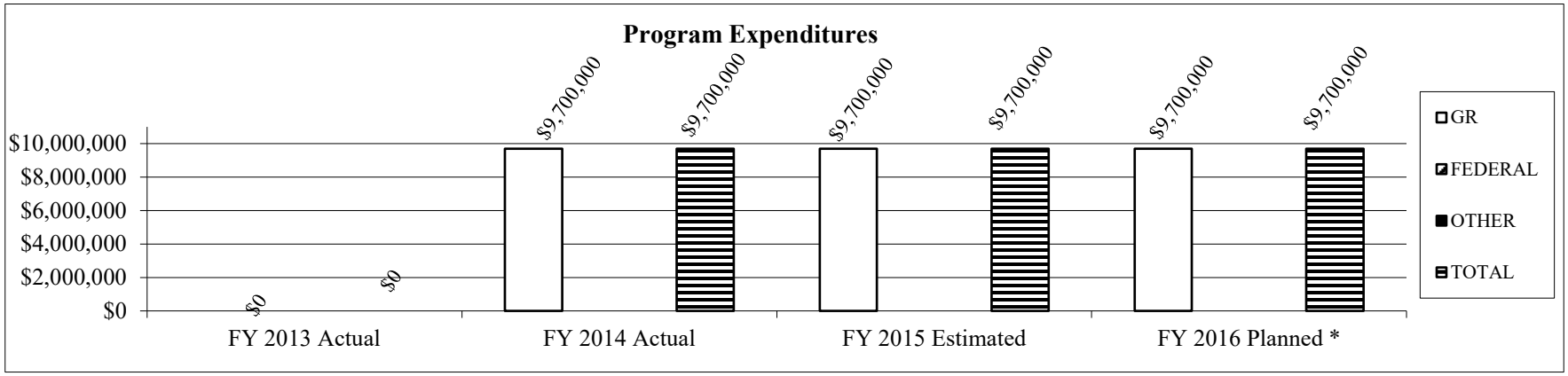
No

4. Is this a federally mandated program? If yes, please explain.

No

Department of Higher Education
Program Name: University of Missouri
Program is found in the following core budget(s): University of Missouri - MU Medical School Partnerships

5. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



* Net of 3% Governor's withholding

6. What are the sources of the "Other " funds?

No "other" funds.

7a. Provide an effectiveness measure.

Additional students admitted to MU Medical School to increase the number of physicians:

FY2014 Planned	FY2015 Admitted	FY2016 Planned	FY2017 Planned	FY2018 Planned	FY2019 Planned	FY2020 Planned
0	8	8	8	32	32	32

The first expanded medical school class of 32 students will be admitted in FY2018 provided all funding is secured.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: University of Missouri
Program is found in the following core budget(s): University of Missouri - MU Medical School Partnerships

7b. Provide an efficiency measure.

Number of student graduates from expanded medical school program:

	FY2016 Planned	FY2017 Planned	FY2018 Planned	FY2019 Planned	FY2020 Planned	FY2021 Planned	FY2022 Planned
Additional graduates from expansion	0	0	8	8	8	32	32
Total graduates	96	96	104	104	104	128	128

7c. Provide the number of clients/individuals served, if applicable.
32 additional students per year, beginning in FY2018

7d. Provide a customer satisfaction measure, if available.
Student surveys will be implemented in FY2018.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: University of Missouri - St. Louis International Collaboration
Program is found in the following core budget(s): University of Missouri - St. Louis International Collaboration

1. What does this program do?

The purpose of this appropriation is to increase international collaboration and promote economic opportunity that helps attract and retain new economic activity to the St. Louis region. University of Missouri-St. Louis will work with BioSTL, a regional nonprofit dedicated to advancing prosperity in St. Louis through the growth of biosciences and other targeted innovation clusters. The centerpiece of the program is the St. Louis-Israel Innovation Connection, which connects the economies of St. Louis and Israel with a robust pipeline that engages and links experienced professionals to identify Israeli companies who are likely to be attracted by St. Louis' convergence of corporate, university, and entrepreneurial strengths. Specific business strategies will partner prospective Israeli companies with St. Louis and Missouri resources that might lead to recruitment of a presence in St. Louis. The St. Louis-Israel Innovation Connection will serve as a model for similar efforts to attract companies from other targeted geographies. BioSTL is providing matching funds.

2. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Section 172.010 - 172.750, RSMo

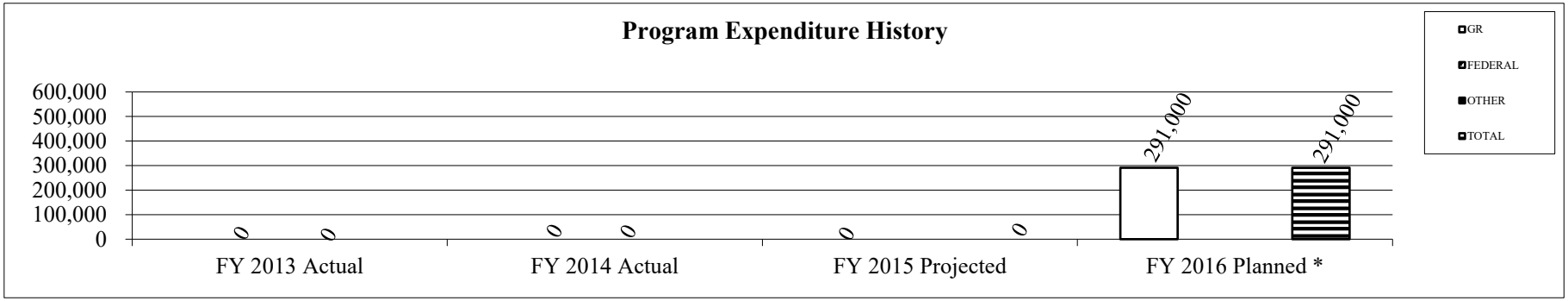
3. Are there federal matching requirements? If yes, please explain.

No

4. Is this a federally mandated program? If yes, please explain.

No

5. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



* Net of 3% Governor's withholding

Department of Higher Education
Program Name: University of Missouri - St. Louis International Collaboration
Program is found in the following core budget(s): University of Missouri - St. Louis International Collaboration

6. What are the sources of the "Other " funds?

7a. Provide an effectiveness measure.

	FY2016 Projected	FY2016 Actual	FY2017 Projected	FY2017 Actual	FY2018 Projected	FY2018 Actual
Number of Prospective Recruitments	65		75		85	
Number of Currently Active Recruitments	52		60		68	
Number of Firms in Discussion with Missouri Companies to Form Official Relationships (e.g., MO-based investments, university clinical trials, or collaborations with Missouri companies), Resulting in Economic Activity for the State	12		15		18	
Number of Firms with Formal Missouri Relationship, Resulting in Economic Activity for the State	2		3		3	
Number of Firms Completing Due Diligence on a Location in Missouri	4		6		7	
Number of Firms Successfully Recruited to Missouri	2		3		4	
Number of Jobs Created Due to Firm Relocation	4		8		12	
Average Wage of New Jobs Created *	$53,695		$53,695		$53,695	
Additional Capital Investment Generated by Relocated Firms	$1,000,000		$1,500,000		$2,000,000	

NOTE: FY2016 is the first year of scaling up a pilot program. Much of the first year's activity includes raising national and international awareness among inventors, entrepreneurs, corporations, and investors of St. Louis and its rich ecosystem for supporting entrepreneurial and technology companies; and mining and building upon existing contacts and networks to identify, source, and screen qualified prospects. Building a foundation of these important activities will lead to outcomes-related success (e.g., increased company/job/investment attraction) in subsequent years. As such, the efficiency measures for the program continuously improve in subsequent years as the program builds on the fundamental activities of the first year (FY2016).

* In September 2014, MERIC estimated that the average annual wage in the biosciences industry is $53,695. (https://www.missourieconomy.org/pdfs/ti_bio.pdf)

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: University of Missouri - St. Louis International Collaboration
Program is found in the following core budget(s): University of Missouri - St. Louis International Collaboration

7b. Provide an efficiency measure.

	FY2016 Projected	FY2016 Actual	FY2017 Projected	FY2017 Actual	FY2018 Projected	FY2018 Actual
$ of State Funding Investment per New Job Created	$ 72,750		$ 36,375		$ 24,250	
$ of State Funding Investment per New $45,000 in Annual Payroll Created	$ 60,969		$ 30,485		$ 20,323	
$ of State Funding Investment per New $100,000 in Capital Investment Generated	$ 29,100		$ 19,400		$ 14,550	
$ of Private Funding Investment per New Job Created (BioSTL Matching Funds)	$ 21,250		$ 21,250		TBD	

7c. Provide the number of clients/individuals served, if applicable.
N/A

7d. Provide a customer satisfaction measure, if available.
N/A

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: UMKC Neighborhood Initiative
Program is found in the following core budget(s): University of Missouri - UMKC Neighborhood Initiative

1. What does this program do?

This appropriation allows the UMKC Center for Neighborhoods in the Department of Architecture, Urban Planning and Design, meet the critical needs of neighborhoods through technical assistance, capacity building, neighborhood planning and design services, legal aid and organizational assistance. The Center will provide a one-stop location where leaders can access the available resources and capacities of UMKC – including faculty, staff and students. Data about neighborhoods as well as training, workshops, and other opportunities with faculty and students will be available. In addition, faculty will benefit from these partnerships with opportunities for research and engaged teaching.

2. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Section 172.010 - 172.750, RSMo

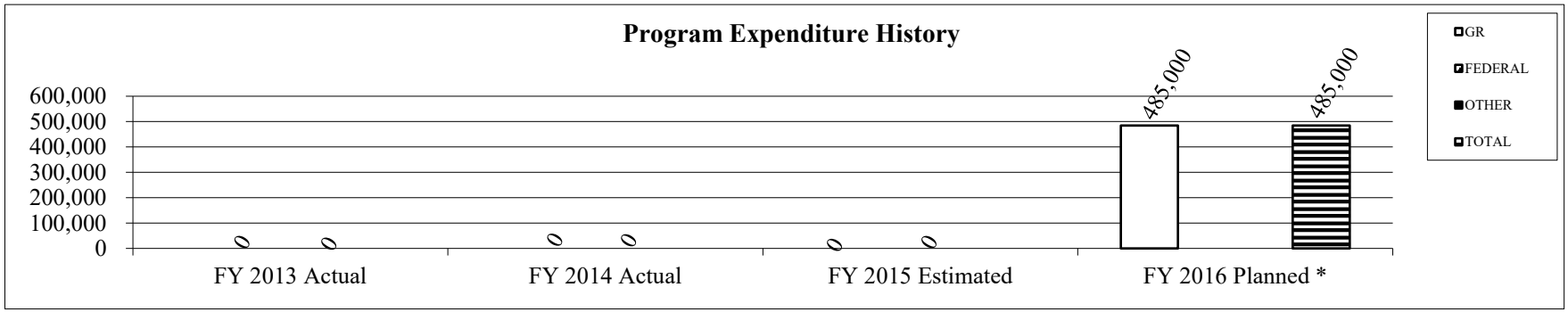
3. Are there federal matching requirements? If yes, please explain.

No

4. Is this a federally mandated program? If yes, please explain.

No

5. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



* Net of 3% Governor's withholding

6. What are the sources of the "Other " funds?

N/A

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: UMKC Neighborhood Initiative
Program is found in the following core budget(s): University of Missouri - UMKC Neighborhood Initiative

7a. Provide an effectiveness measure.

The UMKC Center for Neighborhoods will develop and implement curriculum for neighborhood leaders. The Center will measure annually the number of participants trained through the programs and workshops.

Note: FY16 is the first year of this program. The efficiency and effectiveness outcomes will evolve as the program matures.

7b. Provide an efficiency measure.

The Center will determine the number of neighborhood organizations in good standing after providing help.

7c. Provide the number of clients/individuals served, if applicable.

The Center will provide information on the following:

	FY16 Projected
Number of neighborhood participants in programs	30
Number of neighborhood organizations served	30
Number of student internships organized	5

7d. Provide a customer satisfaction measure, if available.

Satisfaction data will be collected from participants at programs and student internships will be evaluated.

Core Decision Items

NEW DECISION ITEM REQUEST

UNRESTRICTED EDUCATIONAL AND GENERAL
FORM 5

Department: **Higher Education Unrestricted**
Level 2 **University of Missouri System**
Level 3 **All Programs**
Decision Item Name: **Funding for Improved Outcomes – Performance Funding: State Request $21,700,000**
Decision Item Rank: **1 of 4**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

The Performance Funding initiative was developed by the CBHE Performance Funding Task Force and adopted by the Coordinating Board for Higher Education in 2012 as a viable way to link increased appropriations to base funding for higher education institutions to performance. Pursuant to SB 492 (2014), performance funding applies to at least 90 percent of new appropriations from the state, and the funding earned in one year will be added to the University's base appropriation the following year. Performance measures are evaluated on a three-year rolling average with success being defined as improvement over the prior three-year average, or sustained excellence.

The University's first new funding priority for FY17 is to successfully achieve our five performance measures and qualify for 100% of the available funding. To address this initiative, the University has chosen performance funding measures (Funding Based on Improved Outcomes) to hold itself accountable in 5 key performance areas:

- Student success and progress
- Increased degree attainment
- Quality of student learning
- Financial responsibility and efficiency
- Improvement in research and development activities

Without increased investment by the state, the ability of the University to meet its performance funding goals and to help the state meet its goals is at risk. The University is requesting an increase in core operating appropriations of $21.7 million, computed as a 5 percent increase on the FY16 core.

II. DESCRIPTION

The vision for the University of Missouri is to enhance its position as one of the world-class public research universities in the country. The requested increase in funding will help the university in its strategic goals as defined in its strategic plan including recruitment and retaining key faculty and staff, student retention and success, online learning, research productivity, and economic development. An increase in state support for the University of Missouri is critical to ensure continued accessibility, quality, and cutting edge educational programs to educate the state's leaders of tomorrow.

As the state's only land-grant, doctoral-granting research institution, the university must recruit and retain faculty capable of doing cutting edge research and highly skilled staff focused on innovation, as well as provide faculty and students state-of-the art technology and infrastructure.

This increase to the core is necessary to support core operations of instruction, research, public service and economic development as well as provide the core support necessary for academic and student success. The additional state funding will be allocated in support of the campuses strategic plans. The request from the state would be coupled with University resources and tuition and fees to meet the University's goals. An investment in the University of Missouri will reap returns to the entire State of Missouri.

In summary, we are requesting that the state invest an additional $21.7 million in increased operating support for the University in FY17.

III. COST EXPLANATION

	State Appropriations
Funding for Improved Outcomes	$21,700,000
Total Increase in State Appropriations	**$21,700,000**

IV. EVALUATION OF OUTCOMES

The University will demonstrate improvement or sustained excellence in the following key performance areas and by denoted measures:

- Student success and progress: Freshman to sophomore retention
- Increased degree Attainment: Six-year cohort graduation rates
- Quality of student learning: Improvements in professional/occupational licensure tests
- Financial Responsibility and Efficiency: Percent of total education and general expenditures expended on the core mission
- Improvement in research and development activities: Science and engineering expenditures sponsored by business and industry from National Science Foundation (NSF)

NEW DECISION ITEM REQUEST

UNRESTRICTED EDUCATIONAL AND GENERAL
FORM 5

Department: **Higher Education Unrestricted**
Level 2 **University of Missouri System**
Level 3 **All Programs**
Decision Item Name: **STEM Investment: State Request $8,685,231**
Decision Item Rank: **2 of 4**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

The University of Missouri as the state's land grant research University plays a critical role in supporting the state's economic growth and development and its national and international competiveness. Economic studies indicate that a state's future prosperity will rest on the extent to which its citizens have access to quality health care, its graduates are educated in the STEM disciplines and it fosters research and innovation in STEM disciplines.

The University is requesting an $8.7 million increase in core operating appropriations to fund these important needs and support the Missouri Science, Technology, Engineering and Mathematics Initiative.

II. DESCRIPTION

A recent Department of Commerce report indicates that in the last 10 years the number of STEM jobs has increased three times as fast as those in other fields and this growth is expected to continue for the near future.[1] STEM workers earn 119% more per hour in Missouri and experience less joblessness than their counterparts, and are responsible for driving our nation's innovation and competitiveness. The latest Missouri Economic Research and Information Center (MERIC) data supports this trend and projects an increase in employment in STEM positions in Missouri from 146,367 in 2012 to a total of 161,343 by 2022. Of those jobs, 79% will require a bachelor's degree or higher.[2] The University of Missouri has a responsibility to the state for producing educated graduates to meet these workforce needs. This involves attracting, educating, and graduating students in science, technology, engineering, and math fields.

To address STEM needs, the University is requesting new funding in two key areas: (1) new STEM degree programs and (2) initiatives designed to improve STEM student engagement and retention and increase the STEM pipeline. Each of our four campuses will participate with specific initiatives designed to produce more STEM majors and stem degrees. This increase is computed as 2% of the FY2016 core appropriation or $8.7 million.

[1] http://www.commerce.gov/news/press-releases/2011/07/14/new-commerce-department-report-shows-fast-growing-stem-jobs-offer-hig
[2] http://www.missourieconomy.org/occupations/stem.stm

New STEM Degree Programs

Expansion of the Missouri S&T-MSU Cooperative Engineering Program to Include Mechanical Engineering. Funding is sought to provide faculty and support services needed to deliver an accredited Missouri University of Science and Technology Mechanical Engineering program in partnership with and on the Missouri State University campus. This program will increase the accessibility of engineering education in Missouri and, in particular, the rapidly growing Southwestern part of the State. This growth is driven in part by expanding technology-based industry in the region which requires more engineering graduates. By leveraging the existing partnership between Missouri S&T and Missouri State University (MSU), a significant increase in engineering degrees delivered in Springfield can be realized in a cost-effective manner. This proposal seeks funding to broaden and expand the offering of engineering programs in Springfield to include mechanical engineering. Added to the existing electrical engineering and civil engineering programs, this will result in greater student access in Southwest Missouri to the three highest demand engineering programs world-wide and, ultimately, will serve these rapidly growing business sectors.

The request for this program is $1.0 million in recurring funding for Missouri S&T. Missouri State University is also making a similar request to support this joint program. The goal of the program would be 180 additional students within the next 5-6 years. Once the program is fully enrolled it is anticipated that there would be approximately 40 new graduates each year. In addition, $203,844 will be used to enhance the current joint program due to high demand.

Create a new Mechanical and Manufacturing Engineering Technology degree. Engineering technology (ET) degree programs focus on the applications of science and engineering to improve operational functions, such as design, manufacturing, construction, industrial management, and quality control. These degrees address significant gaps between industry needs and the number of students graduating with ET majors. According to the National Association of Colleges and Employers and ABET (the accrediting body for engineering and technology), the average annual salary of an ET graduate varies between $50,000 and $60,000 annually. Based on responses from industries surveyed in Missouri, these industries plan to hire 57 ET graduates 14immediately and 186 over the next 3-5 years.

MU has developed a proposal for a new degree program in Mechanical and Manufacturing Engineering Technology (MMET) that targets two student populations. The first group is the approximately 300 students who leave the College of Engineering each year. This proposed degree program will provide additional career options in STEM for those students who find that their interests and aptitudes do not match a traditional engineering curriculum. This part of the MMET degree program will be delivered in a face-to-face format.

The MMET program will also serve students who have completed AS degrees from Missouri community colleges and who wish to complete the BS degree in an online format. Metropolitan Community College and St. Louis Community College have been strong partners in developing the online option for the MMET degree.

By improving the retention of these engineering students and by providing quality and convenient degree completion for AS graduates, MU will increase the number of students graduating with degrees in engineering. The request for this program is $2.5 million dollars. The goal would be to award 70 BS degrees in Mechanical and Manufacturing Engineering Technology by year 5 of this program and to award 115 BS degrees in Mechanical and Manufacturing Engineering Technology by year 10 of this program.

Initiatives Designed to Improve STEM Student Engagement and Retention and increase the STEM Pipeline

MU has two interrelated initiatives to improve student engagement and to improve retention in STEM areas. The request is for $2 million and is anticipated to result in an additional 141 STEM graduates annually by 2020 for a state investment of $14,184 per degree.

- Create STEM retention scholarships. Recognizing that the number one reason students provide for leaving MU is financial, they will create student scholarships directed toward students majoring in STEM fields. Students must meet a minimum GPA of 3.25 and have 24 completed hours during the previous academic year. Eligibility is dependent upon remaining in a STEM field.
- Increase student engagement in STEM fields through course redesign and enhanced student support.
    - MU will increase student engagement in introductory STEM courses through course and curriculum redesign that integrate rich learning methodologies with the aim of increasing persistence to graduation by all students interested in STEM majors, with special attention to students from underrepresented groups, first generation students, and Pell-eligible students. Key to course and curriculum redesign will be integration of problem-based learning (PBL), which has been shown to increase student success in STEM fields. PBL will be incorporated across the STEM gateway courses during a redesign of the courses and the general education curriculum associated with STEM degrees.
    - MU will also draw upon their targeted student support programs, including their very successful EXPRESS program that has significantly improved retention in STEM among students from underrepresented groups. Building upon these and other targeted projects, MU will implement similar programs on a much larger scale. In particular, new Student Success Programs will be offered that allow intervention at important "pivot points" during STEM student undergraduate course of study. These programs will create a supportive academic and social environment, introduce alternative STEM careers, and provide professional development activities. The overall design will help students envision themselves as professionals within STEM career fields that most students are unfamiliar with. (This career-focused programming is particularly crucial for the many students who initially declare themselves as pre-med and then later decide that pre-med is not a good fit for them. MU's goal is to offer alternative STEM career options for these pre-med students, so that they remain in STEM majors.) The initiative will include a three-day science focused orientation for first-time college students who are interested in STEM majors. The Student Success Programs will include co-curricular programs with a STEM focus, such as Alternative Break opportunities that allow students to apply STEM principles in serving a local community or intersession break trips to visit companies that employee STEM graduates. Support for student organizations will also be enhanced and focused on students with lower persistence rates within STEM majors (e.g., Women in Engineering). Another focus will be on academic persistence programs that work with students to enhance their academic success.

UMSL has seven initiatives to help students overcome common obstacles and achieve success in pursuing a STEM degree. With an investment of $1.1 million they plan to increase STEM majors by 50 by 2023.

- STEM Boot Camps for incoming undergraduates will be run each summer to prepare STEM leaning students for college life as well as expose them to basic scientific and mathematical concepts. The goal is 100 students each year and the goal is to improve STEM retention.
- Two additional math faculty will be hired to work on interactive learning programs and to redesign lower level math courses as well as Calculus I and II into interactive formats utilizing alternate pedagogical learning techniques.
- Graduate retention specialists will be hired to work to increase retention of underperforming and under prepared undergraduate students majoring in STEM disciplines by providing early intervention in ley lower-division courses in math, biology, chemistry and physics.
- ALEKS Math Refresher workshops will be used to increase success rates in college algebra and calculus which are required entry-level math courses for students in STEM majors.

- Career counselors for STEM majors will be used to improve engagement and retention of STEM majors and help them learn about all the different types of job opportunities available in STEM fields.
- Faculty pedagogical specialist for introductory biology and support system that will quickly identify students who are struggling to provide them supplemental support (including tutors) so they will be successful.
- Additional faculty in computer science with expertise in cybersecurity to provide capacity and increase majors and graduates in computer science.

UMKC initiatives focus on developing the pipeline for STEM students in the future and on retention efforts to graduate more current STEM students. These initiatives will cost $1.6 million dollars and have the goal of increasing STEM majors by 246 in two years and increasing STEM graduates by 47 in four years. The initiatives fall into three categories (1) pipeline initiatives for pre-college students, (2) completion initiatives, and (3) student support.

- Pipeline initiatives would include additional program support for the KC Stem Alliance, KC EZ and Science camp.
- Expand successful completion initiatives described below:
    - Undergraduate research opportunities and high impact learning experiences in STEM areas. Experiences in actual labs provide undergraduates with opportunities to be hands on. Typically these experiences require more time from faculty, and often occur during the summer when students might otherwise be working. Other high impact learning experiences include internships and coops with outside corporations and government labs, and study abroad.
    - Expand the STEM Living/Learning Community and the Summer Bridge program. In the STEM Living/Learning community students learn together, take classes and participate in events and activities as a cohort. This provides students with a jumpstart in developing relationships and a campus network of support that is vital to becoming an engaged and successful UMKC student. The UMKC Summer Bridge Scholars program offers a unique opportunity to incoming first-year students to help them transition more smoothly from high school to college.
- STEM support initiatives include:
    - Targeted scholarships to attract and retain students interested in STEM fields who require significant financial assistance;
    - Hiring additional STEM advisors and STEM teaching faculty;
    - Hiring STEM recruiters and a mobile science van.

III. COST EXPLANATION

	State Appropriations
STEM Funding	$8,685,231
Total Increase from State Appropriation	**$8,685,231**

IV. EVALUATION OF OUTCOMES

- Enhanced pipeline of students seeking STEM degrees.
- Sustain increased enrollment in STEM areas to supply Missouri workforce needs
- New and increased degrees granted in STEM areas due to the new initiatives within five years as noted below.

Campus	Initiative	Request	Increased Degrees
MU	New Mechanical & Manufacturing Engineering Technology BS degree	2,500,000	70
MU	Student Engagement and Retention STEM	2,000,000	141
UMKC	STEM Pipeline and Retention	1,610,830	47
UMSL	STEM Capacity, Retention, Pipeline	1,110,000	50
S&T	Mechanical Engineering joint program with MSU	1,203,844	40
	Initiative Total	8,424,674	
	3% Reserve	260,557	
	Total Request	$8,685,231	

NEW DECISION ITEM REQUEST

UNRESTRICTED EDUCATIONAL AND GENERAL
FORM 5

Department: **Higher Education-Unrestricted**
Level 2 **University of Missouri-Other Programs**
Level 3 **University of Missouri Kansas City**
Decision Item Name: **UMKC/MSSU Dental School Expansion: $1,500,000**
Decision Item Rank: **3 of 4**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

This request is for state general revenue funds to provide access to oral health care by increasing the health care professionals graduating from the University. There is both a regional and national need to improve access to oral health services. Oral health is an important part of general health. The Surgeon General has stated that you cannot have health without oral health. The State of Missouri ranks 4th lowest, nationally, in terms of percentage of population in Health Professions Shortage Areas (HPSAs). The Department of Health estimates that 286 dentists are needed to meet the needs of residents and remove the dental HPSAs in Missouri. Oral Health service access and utilization is challenging in rural areas of southern Missouri, where in Pemiscot and Ripley counties, among others, there is a very high population to dentist ratio. This initiative brings the collective expertise of two of Missouri's public universities together, University of Missouri Kansas City (UMKC) with Missouri Southern State University (MSSU) to address this need in Missouri. UMKC School of Dentistry is the state's only public dental school and MSSU has an outstanding dental hygiene program.

II. DESCRIPTION

The University of Missouri-Kansas City's proposed partnership with Missouri Southern State University (MSSU) in Joplin can address the need to provide additional oral health care providers to the region. According to a recent feasibility study, the location of a Satellite Program of the DDS program of UMKC in Joplin could provide an additional 15 dentists per year for the region. By drawing students from the contiguous rural areas, a regional approach to educating local students to return to the communities of need can be achieved. UMKC's School of Dentistry has a long history of addressing oral health needs in the community and region. Each year, more than $500,000 in uncompensated care is donated back to the community and the region. Students in the program provide care in 26 community health centers as a part of the curriculum, improving oral health and solidifying the core value of giving back to the community for our students. The impact on the region (NOAIOP Economic Development Numbers) are as follows: output impact $13.2 million; earnings impact $4.15 million with an employment impact of 104 jobs.

The full $1.5 million is needed to meet UMKC costs. Key points:

- UMKC DDS academic program will be utilized via distance education with an onsite pre-clinical skills laboratory and onsite dental clinic at MSSU Health Science building.
- Candidates for admission to the Satellite location will be required to meet the same rigorous qualification criteria as those at the UMKC location.
- A 15 cohort group of candidates would be admitted. When fully implemented, 60 students would be a part of the 4 year program.
- UMKC would grant the DDS degree.

III. COST EXPLANATION

UMKC will use the funding to develop a satellite program at MSSU. Once this infrastructure is solidified, the sustaining appropriation supports the additional personnel and distance education costs for the program. The staffing and distance education costs will be a part of UMKC's budget. The students on the MSSU campus will be registered at UMKC, will be considered and treated as UMKC students, but will have the opportunity for ancillary services at MSSU such as parking, library facilities, and other student activities. MSSU is submitting a new decision item for physical space and other support costs needs of the new program.

	State Appropriations
UMKC/MSSU Dental School Expansion	$1,500,000
Total Increase from State Appropriation	**$1,500,000**

III. EVALUATION OF OUTCOMES

- Increase of additional oral health care students graduating annually.
- Increase the number of graduates that remain in Missouri.
- Increase the number of our graduates that practice in underserved rural or urban areas.

NEW DECISION ITEM REQUEST

UNRESTRICTED EDUCATIONAL AND GENERAL
FORM 5

Department: **Higher Education Unrestricted**
Level 2 **University of Missouri System**
Level 3 **All Programs**
Decision Item Name: **Debt Offset Tax Authority: State Request $1,200,000**
Decision Item Rank: **4 of 4**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

The University currently receives a tax refund offset appropriation of $200,000 to cover unpaid debts owed to the institution by state taxpayers. The UMKC campus has surpassed this threshold in FY15, causing the excess to be paid from the FY16 debt offset appropriation. We anticipate that the other three campuses will begin to utilize this appropriation and have estimated $1.4 million may be recovered through this existing law.

II. DESCRIPTION

Significant fluctuations in the amount of unpaid debts owed to the University over the past few years along with the lack of an estimated appropriation for these purposes necessitates the need for additional appropriation authority to continue reimbursements from the state.

III. COST EXPLANATION

	State Appropriations
Total Increase in State Appropriations	$1,200,000

Other Programs

FY2017 APPROPRIATIONS REQUEST FOR OPERATIONS

SUMMARY OF OTHER PROGRAM REQUESTS

UNIVERSITY OF MISSOURI SYSTEM

	STATE APPROPRIATED FUNDS	NON-STATE FUNDS	TOTAL FUNDS
Missouri Kidney Program	$2,932,800		$2,932,800
Missouri Telehealth Network	$450,769		$450,769
Show-me Extension for Community Healthcare Outcomes	$1,545,001		$1,545,001
State Historical Society of Missouri	$2,493,225		$2,493,225
Alzheimer's Program	$475,640		$475,640
Spinal Cord Injury Fund	$1,500,000		$1,500,000
State Seminary Fund	$3,275,000		$3,275,000
Missouri Returning Heroes Education Act	$3,501,337		$3,501,337

University of Missouri
Missouri Kidney Program
Program Revenues & Expenditures

	FY14 Actuals	FY15 Estimated	FY16 Budget	FY17 Restoration of Core	FY17 Increase	FY17 Total Core Request
Revenues						
State Appropriation	$ 1,697,500	$ 1,697,500	$ 1,750,000	$ 1,130,299	$ 52,501	$ 2,932,800
Total Revenues	**$ 1,697,500**	**$ 1,697,500**	**$ 1,750,000**	**$ 1,130,299**	**$ 52,501**	**$ 2,932,800**
Expenditures						
Salaries & Wages	$ 229,147	$ 202,202	$ 237,950	$ 58,240	$ 7,139	$ 303,329
Benefit Expense	$ 70,654	$ 61,989	$ 74,875	18,637	2,246	95,758
Total Compensation	**$ 299,801**	**$ 264,191**	**$ 312,825**	**$ 76,877**	**$ 9,385**	**$ 399,087**
Other Expenses	$ 1,397,699	$ 1,433,309	$ 1,437,175	1,053,422	43,116	2,533,713.25
Total Expenditures	**$ 1,697,500**	**$ 1,697,500**	**$ 1,750,000**	**$ 1,130,299**	**$ 52,501**	**$ 2,932,800**
Change in Net Assets	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**
Note: Additional Details on Above Expenditures						
Compensation	$ 299,801	$ 264,191	$ 312,825	$ 76,877	$ 9,385	$ 399,087
Other Expenses						
Administrative Operations	$ 27,985	$ 26,338	$ 22,010	$ -	$ 660	$ 22,670
Statewide Renal Education (Operations)	35,086	36,614	45,000	100,000	$ 1,350	146,350
Maintenance & Antirejection Drugs	284,969	293,160	310,165	100,000	$ 9,305	419,470
Transportation Assistance	36,491	85,012	86,000	100,000	$ 2,580	188,580
Insurance Premium Assistance	98,826	110,388	112,000	250,000	$ 3,360	365,360
Emergency Medications	1,345	706	2,000	5,000	$ 60	7,060
Patient/Staff Education	0	0	0	50,000	$ -	50,000
Transplant/Donor Assistance	11,350	19,750	20,000	40,000	$ 600	60,600
Nutritional Supplements Program	0	0	0	50,000	$ -	50,000
Medicaid Spenddown	845,737	790,505	762,500	341,922	$ 22,876	1,127,298
Ticket To Work	36,314	47,424	50,000	0	$ 1,500	51,500
Cost Containment Research & Demonstration	19,595	23,412	27,500	16,500	$ 825	44,825
Total Expenditures	**$ 1,697,500**	**$ 1,697,500**	**$ 1,750,000**	**$ 1,130,299**	**$ 52,501**	**$ 2,932,800**

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Missouri Kidney Program
Program is found in the following core budget(s): University of Missouri - Missouri Kidney Program

1. Mission Statement

The mission of the Missouri Kidney Program (MoKP) is to help meet the educational needs, and to promote the physical and mental well-being of eligible Missouri residents with Chronic Kidney Disease (CKD). In order to accomplish the above mission, the Missouri Kidney Program is committed to the following goals:

- To advocate for policies that ensure no Missourian is denied treatment for kidney failure because of inability to pay.
- To provide financial help to eligible Missourians to defray the in-direct medical expenses related to CKD Stage 5:
  - Benefits include medications, transportation, and insurance premium assistance depending on available funding.
- To provide and support the CKD education of Missourians:
  - To promote public awareness and prevention of CKD.
  - To help patients choose a treatment for kidney failure and to encourage active participation in their medical care.
  - To provide continuing education seminars to the professional disciplines working with the CKD population.
- To increase public awareness of the need for organ donation, and to encourage kidney donations for transplantation.
- To collaborate with other organizations on efforts to prevent kidney disease.
- To promote efforts to delay or avoid the onset of kidney failure for those who have CKD which will reduce associated cost of care.
- To foster the exchange of medical, technical and administrative information among programs and professionals who treat people with CKD.

2. Program Description

A. Functions

The MoKP carries out the following programs to accomplish the mission and goals stated above: (1) provision of funds to assist eligible patients with other expenses related to their care (take-home drugs, insurance premiums, transportation, etc.); (2) provision of patient and continuing professional education programs; (3) community kidney health awareness educational exhibits and presentations; and (4) partnership with state health organizations focusing on health improvement for Missouri citizens.

B. Eligibility

To receive MoKP assistance, CKD patients must be United States citizens residing permanently in Missouri, or aliens lawfully admitted for permanent residence in the state. Patients must meet an income/asset eligibility requirement for MoKP benefits, however any Missourian is eligible to attend our education programs.

C. Administration

The MoKP is administratively located within University of Missouri Health Care (MU Health Care), and is managed by a director who reports directly to the Dean of the School of Medicine. A statewide advisory council of diverse renal healthcare professionals and consumers provide general policy oversight. Although a unique function of the University and MU Health Care, the mission of the MoKP is clearly compatible with the overall mission of the University in terms of education, service and research.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Missouri Kidney Program
Program is found in the following core budget(s): University of Missouri - Missouri Kidney Program

3. Program Justification

A. High Cost of Kidney Replacement Therapy

As stated above, the mission of the MoKP is to assist Missouri residents suffering the tragedy of total kidney failure to meet their medical, psychosocial and educational needs. The expense of treatment is staggering for the individual and society. The per person per year Medicare cost is $87,945 for hemodialysis, $71,630 for peritoneal dialysis, and $32,922 for transplant. Although most CKD (stage 5) patients qualify for automatic Medicare benefits, there are many gaps, deductibles and co-pays for both medical treatment and medications. State kidney programs such as the MoKP are necessary to fill this void in coverage, as well as to provide assistance with transportation and insurance premiums.

B. Increased Number of Patients Needing Assistance

Missouri is somewhat unique with regard to Chronic Kidney Disease. Missourians are experiencing kidney failure at a higher rate than the national average. This may be attributed to a number of factors including the general aging of the population and the tendency of CKD to be slanted toward the last trimester of life. The highest rate of increase is in the population over 60 years old, with a disproportionate tendency toward non-Caucasians and persons with diabetes, obesity and/or hypertension. It is unlikely this trend will change in the foreseeable future and the number of Missourians experiencing CKD will increase. Of the 11,778 CKD patients in Missouri, MoKP is able to provide assistance to only approximately 12 percent of CKD patients. Residents of nearly every Missouri county and every legislative district need and receive MoKP assistance.

C. Summary

The MoKP is a unique and vital resource in Missouri. The funding needs of the MoKP should be evaluated on their own merits, separate from the funding needs of the University of Missouri – Columbia. The continuing and substantial increase in the incidence of Chronic Kidney failure, the implications of which are delineated above and below, justify the request for increased state funding.

4. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Section 172.875, RSMo

5. Are there federal matching requirements? If yes, please explain.

No

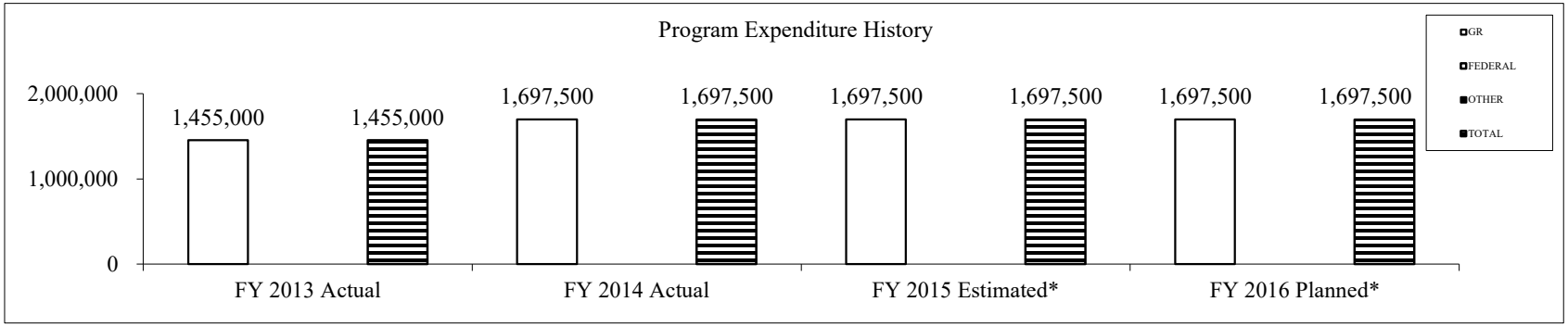
6. Is this a federally mandated program? If yes, please explain.

No

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Missouri Kidney Program
Program is found in the following core budget(s): University of Missouri - Missouri Kidney Program

7. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year



* Net of 3% Governor's withholding

8. What are the sources of the "Other " funds?

None

8a. Provide an effectiveness measure.

MoKP effectiveness is measured by the number of dollars of the appropriation going to reimburse patient care and educational activities. MoKP expends about 81% of its appropriation for patient care related activities. The remaining 19% is spent on patient education classes and administrativ e costs.

FY 12		FY 13		FY 14		FY 15		FY 16 Projected		FY 17 Projected	
Patient Exp	**Total Exp**	**Patient Exp**	**Total Exp**	**Patient Exp**	**Total Exp**	**Patient Exp**	**Total Exp**	**Patient Exp**	**Total Exp**	**Patient Exp**	**Total Exp**
$1,115,098	$1,455,000	$1,124,591	$1,455,000	$1,334,627	$1,697,500	$1,370,357	$1,697,500	$1,370,165	$1,697,500	$1,416,224	$1,748,425

Department of Higher Education
Program Name: Missouri Kidney Program
Program is found in the following core budget(s): University of Missouri - Missouri Kidney Program

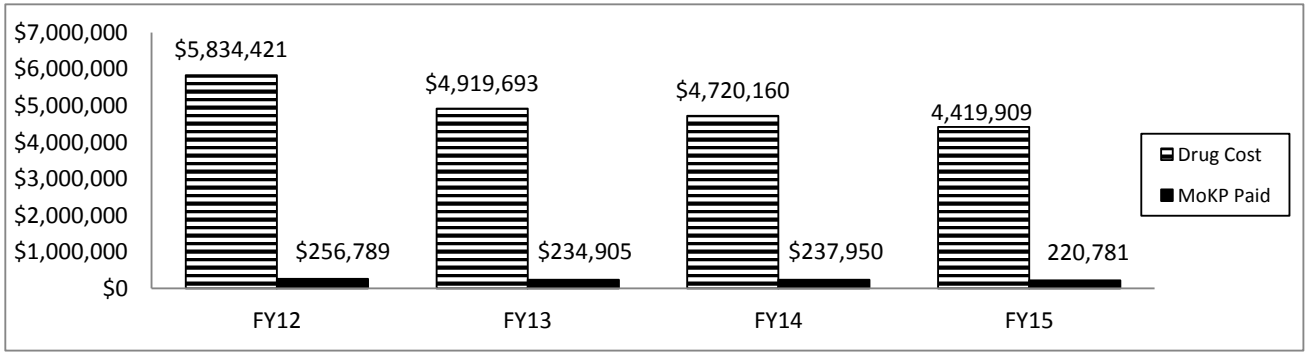
The average dollar value of assistance (unit cost) provided to MoKP eligible patients during FY2015 was $874 and is detailed below.

Type of Assistance	Number of Patients	Unit Cost $
Maintenance & Anti-rejection Drugs	1,405	157
Transportation	135	630
Insurance Premiums	48	2,300
Emergency Medications	3	235
Transplant Donor Assistance	22	898
Medicaid Spend Down	822	962
Ticket to Work	80	593
Unduplicated Patients Served/Average Unit Cost	1,458	$874

8b. Provide an efficiency measure.

MoKP's single largest assistance program is the Centralized Drug Program which supplies needed pharmaceuticals to patients statewide via mail-order. Kilgore's Medical Pharmacy was awarded the contract to provide this service, including the billing of 3rd party payors. MoKP assumes the role of payor of last resort for patients whose treatment is not covered by Medicare/Medicaid or private health insurance. MoKP works hard to ensure patients maintain their insurance coverage and finds the best plan for their medication needs. The data below summarizes actual expenditures for the past four years based on dispense date.

FY 12		FY 13		FY 14		FY 15	
Drug Cost	MoKP Paid	Drug Cost	MoKP Paid	Drug Cost	MoKP Paid	Drug Cost	MoKP Paid
$5,834,421	$256,789	$4,919,693	$234,905	$4,720,160	$237,950	$4,419,909	$220,781



Department of Higher Education
Program Name: Missouri Kidney Program
Program is found in the following core budget(s): University of Missouri - Missouri Kidney Program

8c. Provide the number of clients/individuals served, if applicable.

The table below lists the number of clients served and the projected need in one or more of our direct patient assistance programs. We have maximized our patient service delivery capabilities by micromanaging our current appropriation level. There are 11,778 dialysis and kidney transplant patients in the State of Missouri and 2,139 patients last year were newly diagnosed with Chronic ESRD in Missouri alone. MoKP can barely assist 12% of this near poor population. The need far exceeds the level of appropriation that has been available. Currently there are 172 certified participating renal facilities contracted with MoKP. Data provided from CY2014 Heartland Kidney Network and United Network for Organ Sharing.

FY11	FY12	FY13	FY14	FY15	FY16 Proj	FY17 Proj
1,895	1,467	1,414	1,440	1,458	1,473	1,487

8d. Provide a customer satisfaction measure, if available.

MoKP conducts a Patient Satisfaction Analysis program. Each month 30 patients, who are being renewed for benefits are randomly selected to receive the questionnaire. The questionnaire is mailed to the patient along with a stamped, self addressed envelope to a P.O. Box in Columbia rented by MoKP under the name Customer Satisfaction Research Branch. The patient submits responses anonymously without signing the response form. The program continues to receive very favorable customer satisfaction rating. A summary of customer satisfaction indicates a high appreciation of the services MoKP provides. The results are reviewed by our Advisory Council yearly. We have chosen not to attempt to project patient responses for the current or outlying years because we have no accurate predictive model for patient responses to questionnaires.

	FY11	FY12	FY13	FY14	FY15
Questionnaires Received	52	154	127	66	76
Questionnaires Mailed		359	326	206	368

NEW DECISION ITEM REQUEST

MISSOURI KIDNEY PROGRAM
FORM 5

Department: **Higher Education-Unrestricted**
Level 2 **University of Missouri-Other Programs**
Level 3 **Missouri Kidney Program**
Decision Item Name: **Restoration of the Core and Increase for Sustaining Quality and Service: $1,182,800**
Decision Item Rank: **1 of 1**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

This request is for state general revenue funds to restore the core budget to appropriate funding levels. It includes restoration of the $1,130,299 core cut in FY2012 and an increase of 3 percent on the core or $52,501 for sustaining quality and service.

II. DESCRIPTION

Life-threatening renal (kidney) disease impacts citizens throughout the State of Missouri, and The Missouri Kidney Program (MoKP) eases this chronic disease burden by touching almost every county in the State of Missouri. The MoKP's mission is to assist eligible Missouri residents who have chronic renal insufficiency or renal transplant to meet their medical, educational, and psychosocial needs.

There are 7,881 End-Stage Renal Disease (ESRD) dialysis patients throughout Missouri. There are 3,897 kidney transplant patients in Missouri, totaling 11,778 patients. Unfortunately, due to the FY2012 budget cuts MoKP can only assist 12% of this population compared to 30% in FY2010. With the growing trend in Missouri of diabetes, obesity, hypertension, and the elderly population, renal disease is increasing. It is estimated 1 in 9 Missourians are at risk for Chronic Kidney Disease. In calendar year 2014, there were 2,139 patients in Missouri newly diagnosed with Chronic ESRD. Not only is the patient population increasing dramatically, the cost of kidney treatment and related expenses continue to rise. Maintaining our current MoKP appropriation will actually be a reduction in our ability to assist this growing and chronically ill population.

It is imperative to restore the MoKP budget back to the level of its FY2011 core appropriation so MoKP can fulfill its mission of providing direct patient assistance to chronic ESRD patients, education and research. With the 48% reduction in the FY2012 appropriation, MoKP completely terminated direct patient assistance such as Nutritional Supplements, Medication Co-Pay Assistance and Medicare Premium Assistance. MoKP also reduced the Private Premium assistance, Transplant Assistance grants, the MO HealthNet Spenddown program, transportation, and the Eligibility Income/Asset guidelines. In addition, MoKP re-directed all MO HealthNet patients to the states Non- Emergency Medical Transportation program, shifting an additional financial burden to the state and Department of Social Services budget.

MoKP has completely terminated all cost containment research grants, which has enjoyed a 20+ year tradition of strategizing potential cost reductions in the renal field. MoKP has discontinued outreach screening collaboration and community education with the National Kidney Foundation.

In addition, the 48% reduction of funding in 2012 reduced the program's educational efforts which were geared toward prevention and pre-dialysis patients. These preventive educational strategies focused on informing Missourians on ways to avoid or delay dialysis, or direct them to pre-emptive transplantation.

Without prevention education, the number of ESRD Missourians increases, which puts an additional burden on the individual and family, healthcare community, and state/federal resources (MO HealthNet program, Medicare and Social Security Disability). On an individual level, MoKP's mission is to promote and educate healthy kidney patients, who can remain employed, plus enjoy an active and productive quality of life. Recent budget reductions limit the number of Missourians that can participate in our free educational classes.

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III. COST EXPLANATION

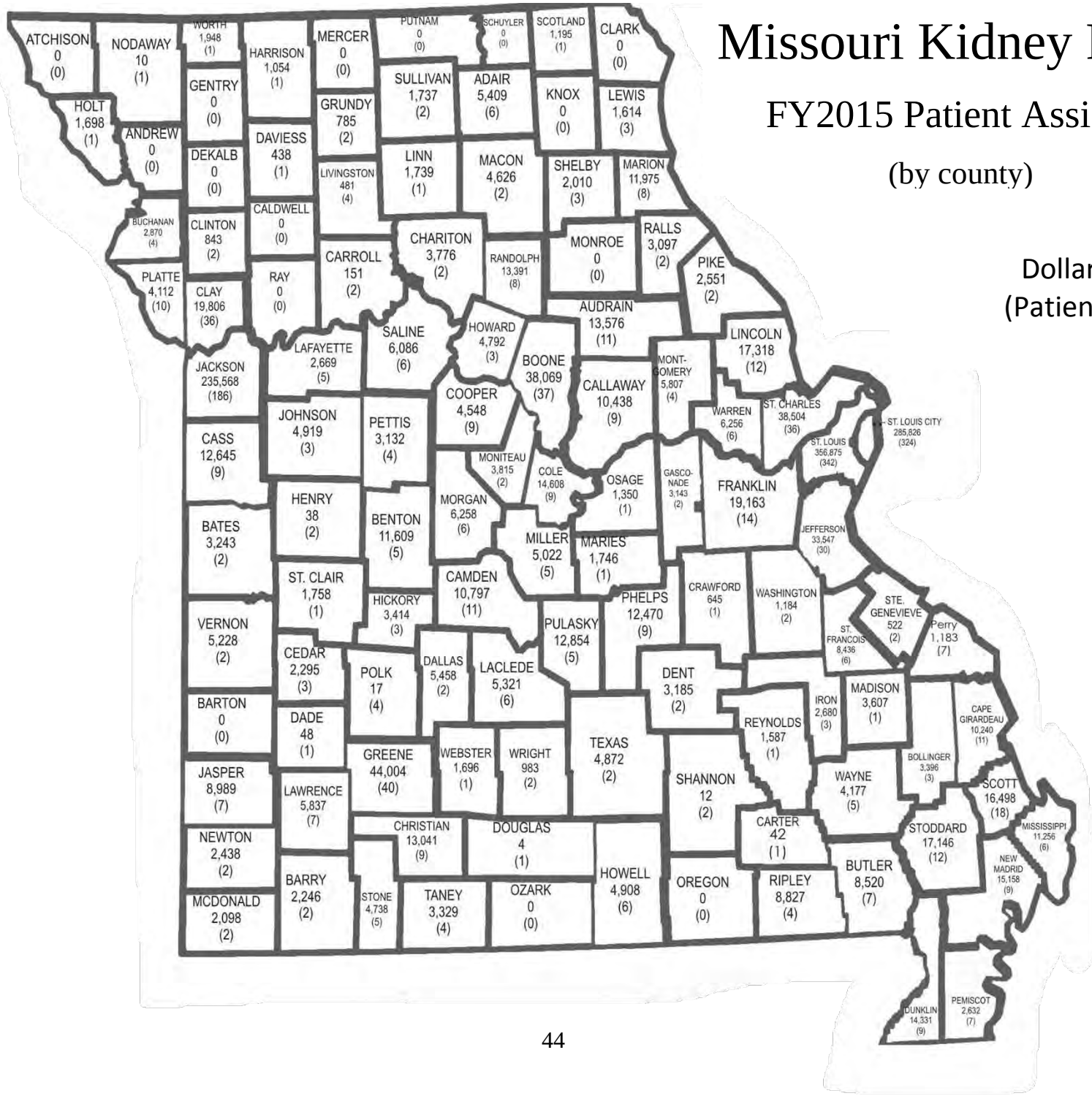
Restoration of Core Funding	$1,130,299
Increase for Sustaining Quality and Service	52,501
Total Increase from State Appropriation	**$1,182,800**

Missouri Kidney Program

FY2015 Patient Assistance

(by county)

Dollars
(Patients)



University of Missouri
Missouri Telehealth Network
Program Revenues & Expenditures

	FY14 Actuals	FY15 Actuals	FY16 Budget	FY17 Increase	FY17 Total Core Request
Revenues					
State Appropriation	$ 437,640	$ 437,640	$ 437,640	$ 13,129	$ 450,769
State Appropriation -ECHO			1,500,000	$ 45,001	1,545,001
Total Revenues	**$ 437,640**	**$ 437,640**	**$ 1,937,640**	**$ 58,130**	**$ 1,995,770**
Expenditures					
Salaries & Wages	$ 236,454	$ 288,536	$ 294,435	$ 8,833	$ 303,268
Salaries & Wages - ECHO			727,477	$ 21,825	749,302
Benefit Expense	66,874	84,843	87,064	$ 2,612	89,676
Benefit Expense - ECHO			228,854	$ 6,866	235,720
Total Compensation	**$ 303,328**	**$ 373,379**	**$ 1,337,830**	**$ 40,135**	**$ 1,377,965**
Other Expenses	134,312	64,261	56,141	$ 1,684	57,825
Other Expenses - ECHO			543,669	$ 16,310	559,979
Total Expenditures	**$ 437,640**	**$ 437,640**	**$ 1,937,640**	**$ 58,130**	**$ 1,995,770**
Change in Net Assets	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - Missouri Telehealth Network

1. Mission Statement

The Missouri Telehealth Network (MTN) exists to enhance access to care in underserved areas of Missouri, to provide education and training opportunities for healthcare providers, to further homeland security efforts related to disaster preparedness and to be available in the event of a disaster, and to provide research opportunities to clinicians wanting to study telehealth.

2. Program History

MTN began in 1994 as one of the nation's first public-private partnerships in telehealth. A 9-site network was initially developed with federal support coming from the Health Resources and Services Administration's Office and private support coming from telecommunication companies, as well as each telehealth site. More recently, funding for the Missouri Telehealth Network has been provided from the University of Missouri Health Care and the State of Missouri. Also, the Missouri Telehealth Network site network charges are funded by MTN members.

3. What does this program do?

The Missouri Telehealth Network (MTN) exists:
1. to increase access to health care for underserved Missourians;
2. to provide specialty care to Missourians in state facilities, i.e.. Marshall Habilitation Center;
3. to serve as a resource (consultant) for health care institutions and providers who are embarking upon their own telehealth program;
4. to provide a mechanism for clinical research;
5. to provide continuing educational opportunities for health care providers; and
6. to replicate the ECHO model of telehealth for education and training of primary care providers and create regional centers of excellence.

Telehealth sites may be equipped with interactive videoconferencing equipment, teleradiology equipment or both. Sites with interactive video are typically equipped with document cameras, video scope systems and electronic stethoscopes as needed. Even though the physicians and patients are geographically separated, these interactive technologies allow for a sufficient examination of the patient in real time, not to mention that keeping services local helps the rural economy through greater utilization of pharmacies, laboratories, radiology departments, etc.

The Missouri Telehealth Network currently has 202 sites statewide in 62 counties and the City of St. Louis. In 2015, 42 medical professionals in 19 specialties conducted more than 41,000 clinical encounters via telehealth. Missouri Telehealth Network sites include hospitals, federally qualified health centers, rural health clinics, community mental health centers, state facilities, an army hospital, two schools of medicine, a school of nursing, the Missouri Department of Health and Senior Services and many other types of health care facilities.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - Missouri Telehealth Network

4. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

MTN is a component of the University of Missouri Healthcare and falls under these statutes - Section 172.810 - 172.830, RSMo.

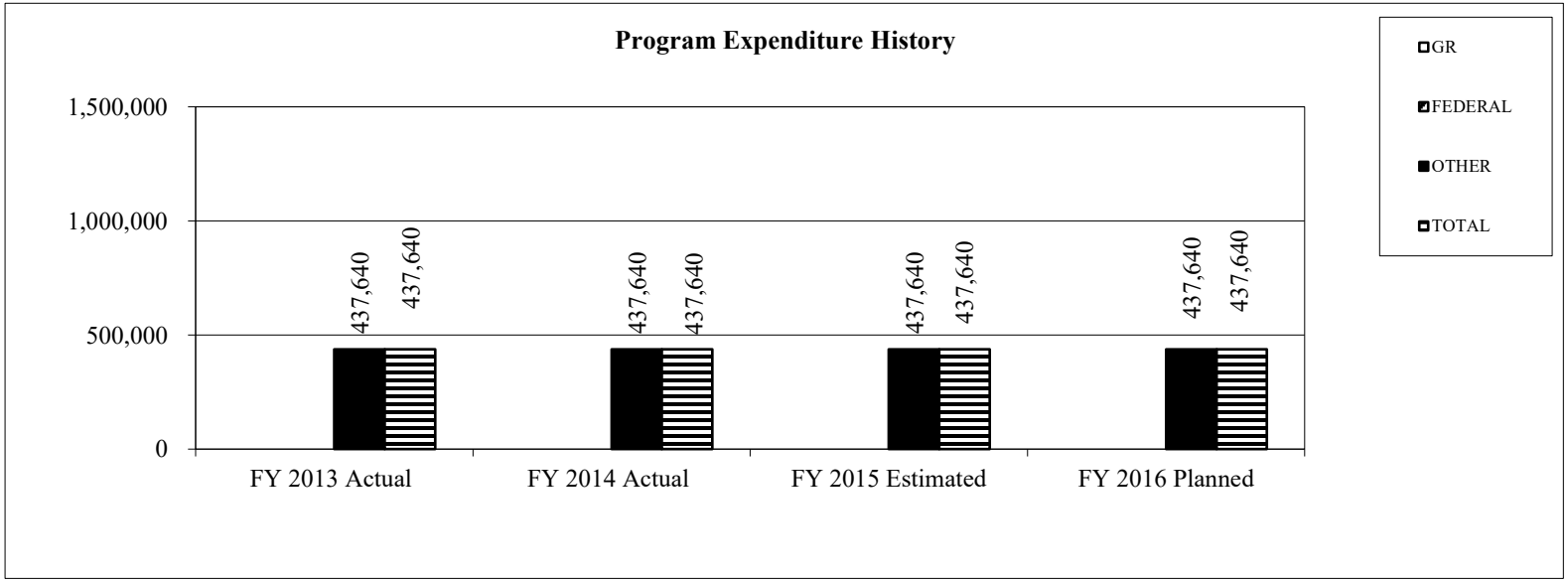
5. Are there federal matching requirements? If yes, please explain.

No federal matching requirements.

6. Is this a federally mandated program? If yes, please explain.

This is not a federally mandated program.

7. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - Missouri Telehealth Network

7. What are the sources of the "Other " funds?

Other appropriated funds are from Healthy Families Trust Fund. In addition, other non-state funds to support the Telehealth mission are provided by University of Missouri Health Care, and federal, state, and other agency grants.

8a. Provide an effectiveness measure.

Between July, 2014, and June, 2015, approximately 1,617 round trips from rural areas of Missouri to University of Missouri specialists' clinics were avoided resulting in saved fuel costs of over $84,867 and approximately 148,000 miles of travel were avoided. This is the result of the availability of telehealth to these rural communities. (Data from Missouri Telehealth Network Encounters, whose providers are employed by the University of Missouri, was collected to reveal that utilization of telehealth saved Missourians significant travel time and dollars. These calculations use the average of the two federal mileage reimbursement rates - 54.5¢ per mile and 57.5¢ per mile.)

	MO HealthNet Patients	All Encounters
Number of Trips Avoided	1,164	1,617
Number of Miles Avoided	147,595	190,321
Total Dollars Saved	$84,867	$109,435

Approximately 72% of Telehealth patients are MO HealthNet participants in both the managed MO HealthNet and direct MO HealthNet programs.

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - Missouri Telehealth Network

8b. Provide an efficiency measure.

Telehealth has many cost saving implications for providers. Burrell Behavioral Health and Pathways Community Behavioral Health are cost saving examples through the use of telepsychiatry. Pathways reports providing the equivalent of 60 days of telepsychiatry provider time per week. Telehealth provides a reduction in windshield time. This windshield time reflects time that the psychiatrists would lose seeing patients if it weren't for the use of telepsychiatry. The reduction of windshield time from the use of telepsychiatry results in an annual overall savings of approximately $1,508,000/year to Burrell Behavioral Health and Pathways Community Behavioral Health.

8c. Provide the number of clients/individuals served, if applicable.

Number of telehealth encounters provided to patients

Year	Number
2010 Actual	6,703
2011 Actual	15,386
2012 Actual	26,577
2013 Actual	39,123
2014 Actual	45,300
2015 Actual	41,000
2016 Projected	42,000

Number of Continuing Medical Education credits awarded to health care

Year	Number
2010 Actual	505
2011 Actual	222
2012 Actual	124
2013 Actual	323
2014 Actual	358
2015 Actual	1,322
2016 Projected	1,700

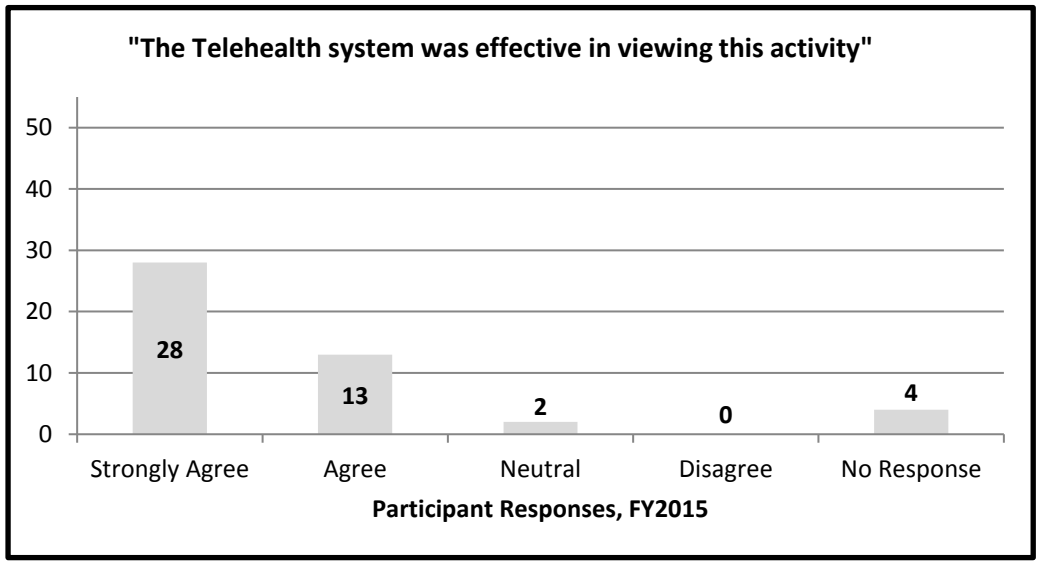
Number of teleradiology interpretations provided to patients

Year	Number
2010 Actual	12,089
2011 Actual	13,168
2012 Actual	17,855
2013 Actual	16,662
2014 Actual	8,035
2015 Actual	10,255
2016 Projected	12,000

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - Missouri Telehealth Network

8d. Provide a customer satisfaction measure, if available.

Satisfaction data was collected using an evaluation form from the CME presentations during FY2015 of those utilizing the telehealth equipment. The chart below represents the satisfaction of a sample consisting of 48 of providers who utilized the telehealth equipment to view Grand Rounds.



Comments from rural providers about the telehealth services were favorable, indicating it was advantageous to connect from their clinic, and the information was very useful. Some specific phrases used by rural providers include: "Enjoyed Talk", Good review, Interesting and applicable!", "Great summary", Excellent, very thorough presentation", "Excellent overview".

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - Extension for Community Healthcare Outcomes

1. Mission Statement

Show-Me Extension for Community Healthcare Outcomes (ECHO) will enable comprehensive, best-practice care to patients with complex health conditions, in their local community. Show-Me ECHO facilitates collaboration between specialty and primary care that expands access to best-practice medical care across Missouri. It links expert specialist teams at an academic 'hub' with primary care clinicians in local communities – the 'spokes' of the model. Together, they participate in regularly scheduled Show-Me ECHO clinics, which are virtual grand rounds, combined with mentoring and patient case presentations and discussions.

2. Program History

Show-Me ECHO is a replication of the Project ECHO program developed at the University of New Mexico. They describe Project ECHO as a lifelong learning and guided practice model that revolutionizes medical education and expontially increases workforce capacity to provide best-practice specialty care and reduce health disparities.

3. What does this program do?

Show-Me ECHO uses videoconferencing to connect a group of primary care providers to an interdisciplinary group of specialists around a specific disease state or condition. The primary care providers learn about the disease and with the mentorship of the specialists, they become a regional center of excellence that can help provide specialty care to patients who might not otherwise be able to receive care.

4. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Missouri Telehealth Network is a component of the University of Missouri Healthcare and falls under these statutes - Section 172.810 - 172.830, RSMo.

5. Are there federal matching requirements? If yes, please explain.

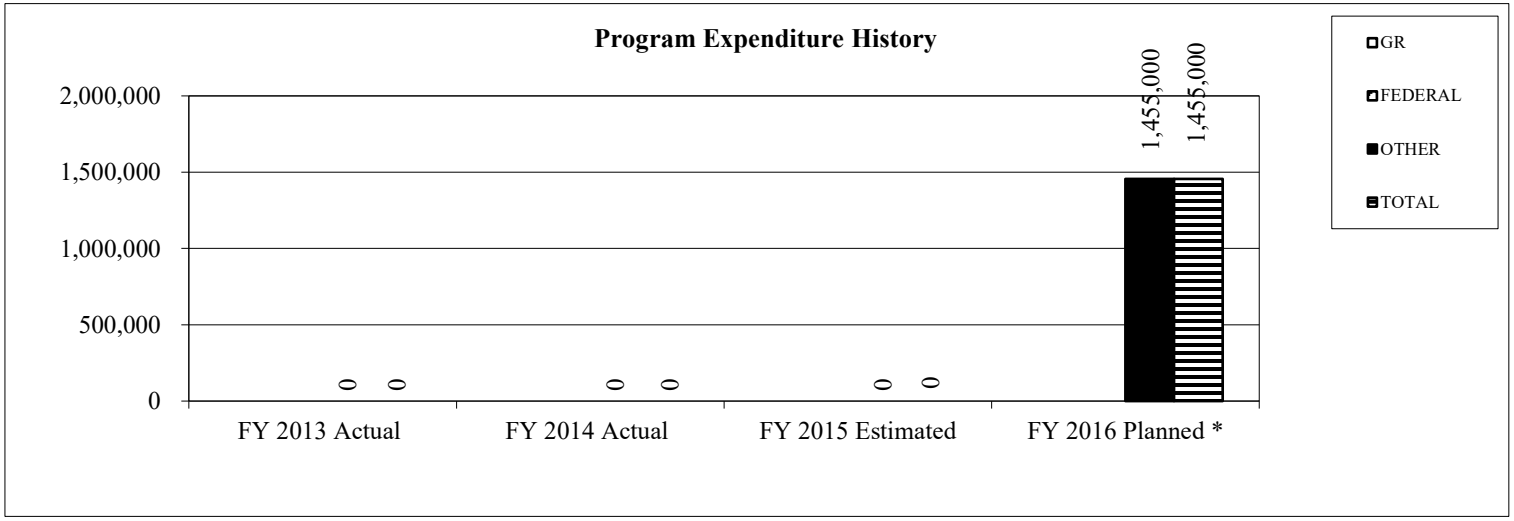
No federal matching requirements.

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - Extension for Community Healthcare Outcomes

6. Is this a federally mandated program? If yes, please explain.

This is not a federally mandated program.

7. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



* Net of 3% Governor's withholding

7. What are the sources of the "Other " funds?

None

8a. Provide an effectiveness measure.

Show-Me ECHO will increase access to health care, speciality services by training and educating primary care providers in common, complex, costly, and chronic conditions. We will show how many providers participate in each ECHO clinic. The six ECHO clinics that are being started are chronic pain management, autism, endocrinology, hepatitis c, childhood asthma, and dermatology.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - Extension for Community Healthcare Outcomes

8b. Provide an efficiency measure.

Show-Me ECHO will show improved self-efficacy measures of primary care providers for each ECHO clinic.

8c. Provide the number of clients/individuals served, if applicable.

Show-Me ECHO will provide details on the primary care providers engaged, number of Continuing Medical Education Credits awarded, and number cases discussed at each ECHO clinic.

8d. Provide a customer satisfaction measure, if available.

Satisfaction data will be collected in each ECHO clinic.

NEW DECISION ITEM REQUEST

UNRESTRICTED EDUCATIONAL AND GENERAL
FORM 5

Department: **Higher Education-Unrestricted**
Level 2 **University of Missouri-Other Programs**
Level 3 **Missouri Telehealth Network**
Decision Item Name: **Increase for Sustaining Quality and Service: $58,130**
Decision Item Rank: **1 of 1**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

This request is for state funds to provide an increase for sustaining growth, quality, and service. An increase of $58,130 is necessary to continue current service levels, which are critical to support Telehealth in Missouri. The Missouri Telehealth Network (MTN) plays a vital role in Missouri's health care system and provides an excellent return on investment.

II. DESCRIPTION

The Missouri Telehealth Network is a telehealth resource center for any health care provider in Missouri to find out more information about telehealth and receive assistance in starting a telehealth project. MTN facilitates telemedicine visits between providers and patients including more than 39,700 patient encounters last year. MTN also provides educational opportunities for health professionals and students in rural parts of Missouri where access to up-to-date programs are limited. Telehealth sites rely on the expertise and 24x7 management, monitoring, and troubleshooting service of MTN technicians.

The core reduction in state appropriation of 49% since FY2009 has impacted the services provided. MTN will use the remaining core funding and this increase for vital staffing, network maintenance costs, necessary equipment upgrades and replacement, and network transmission costs associated with the network. MTN provides ongoing technical support, training, troubleshooting, maintenance and software upgrades for telehealth sites and management of the backbone.

In order to continue service at current levels the MTN will require funds to offset the effects of increased operation costs. An adjustment of $58,130 computed as a 3% increase on the appropriation base to provide merit increases, cover associated benefit changes and an inflationary increase in other operating costs is requested.

III. COST EXPLANATION

State Appropriations for Telehealth	$58,130
Total Increase from State Appropriation	**$58,130**

University of Missouri
State Historical Society of Missouri
Program Revenues & Expenditures

	FY14 Actuals	FY15 Actuals	FY16 Budget	FY17 Restoration & Increase	FY17 Total Core Request
Revenues					
State Appropriation	$ 1,675,777	$ 1,675,777	$ 2,210,855	$ 282,370	$ 2,493,225
Governor's Reserve 3%			(66,326)	(8,471)	(74,797)
Other Sources (One-Time)	80,567	79,028			-
Reserve (One-Time)	3,798			-	-
UM Memo of Understanding *	528,073	528,073	528,073		528,073
Total Revenues	**$ 2,288,215**	**$ 2,282,878**	**$ 2,672,602**	**$ 273,899**	**$ 2,946,501**
Expenditures					
Salaries & Wages	$ 1,605,299	$ 1,591,272	$ 1,892,231	$ 41,000	$ 1,933,231
Benefit Expense	529,254	517,191	619,603	14,502	634,105
Total Compensation	**$ 2,134,553**	**$ 2,108,463**	**$ 2,511,834**	**$ 55,502**	**$ 2,567,336**
Other Expenses	119,700	115,472	160,768	218,397	379,165
Total Expenditures	**$ 2,254,253**	**$ 2,223,935**	**$ 2,672,602**	**$ 273,899**	**$ 2,946,501**
Change in Net Assets	**$ 33,962**	**$ 58,943**	**$ -**	**$ -**	**$ -**

* UM Memo of Understanding increase reflects staff transfer associated with additional responsibilities of managing Western Historical Manuscript Collection.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - State Historical Society

1. Mission Statement

The State Historical Society of Missouri is directed by statute to collect, preserve, make accessible, and publish materials pertaining to the history of the state and the Middle West.

2. Program History

Founded in 1898 by the Missouri Press Association and a trustee of the state since 1899, the State Historical Society of Missouri is the premier research center for the study of Missouri state and local history. The Society preserves and provides access to reference materials and historical collections through research centers on each of the four campuses of the University of Missouri system: Columbia, Kansas City, Missouri S & T, and St. Louis, and at Southeast Missouri State University in Cape Girardeau and Missouri State University in Springfield. The Columbia research center also houses a significant art collection with ongoing and varied exhibitions and serves as the administrative headquarters for the Society's other branches.

3. What does this program do?

The State Historical Society of Missouri collects, preserves, makes accessible, and publishes materials pertaining to the history of Missouri, and the Middle West. The Society's facilities comprise reference, newspaper, manuscript, art, map, photograph, and oral history collections. Use of these facilities is free and open to the public. In addition to these research facilities, the Society publishes a scholarly quarterly journal, the *Missouri Historical Review* , a quarterly newsletter, and, on average, one book per year on a Missouri history topic. The Society is the sponsor for National History Day in Missouri. This program annually attracts thousands of Missouri students in grades 6-12 to research historical topics based on an annual theme and to prepare papers, performances, exhibits, websites, or documentaries based upon historical research. The Society also provides public programming, in-house and off-site, for adults interested in historical research and Missouri history through art exhibitions, workshops, tours, and lectures. Users include students from elementary school through graduate school, academicians, historians, genealogists, journalists, lawyers, government staff, writers, and members of the public researching a variety of topics.

4. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Section 183.010 - 183.030, RSMo

5. Are there federal matching requirements? If yes, please explain.

No

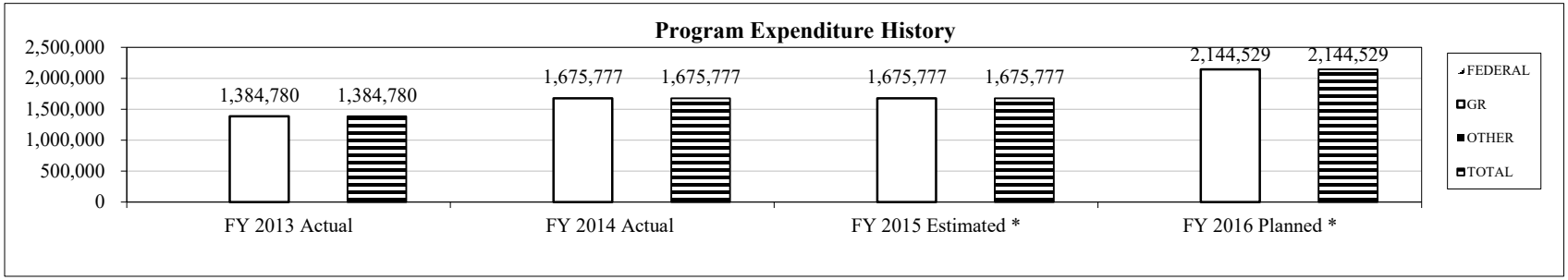
6. Is this a federally mandated program? If yes, please explain.

No

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - State Historical Society

7. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



*Net of Governor's 3% withholding in all years and additional extraordinary withholding in FY2013.

8. What are the sources of the "Other " funds?

All of the Society's appropriations are from General Revenue. However, the Society has a Membership Trust Fund that helps to support its mission and starting in FY2012 there is a memorandum of understanding with funding from the University of Missouri System for the Society's management of what was known previously as the Western Historical Manuscript Collection.

9a. Provide an effectiveness measure.

How many individuals use Society resources on-site and attend Society events?

FY2014 Projected	FY2014 Actual	FY2015 Projected	FY2015 Actual	FY2016 Target	FY2017 Target	FY2018 Target
15,441	17,098	17,611	14,926	15,075	15,226	15,378

How many research contacts does Society staff have via phone, letters, e-mail, and fax?

FY2014 Projected	FY2014 Actual	FY2015 Projected	FY2015 Actual	FY2016 Target	FY2017 Target	FY2018 Target
13,290	13,807	14,221	9,265	9,358	9,451	9,546

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - State Historical Society

9b. Provide an efficiency measure.

What is the average number of researchers assisted by each member of the reference staff?

FY2014 Projected	FY2014 Actual	FY2015 Projected	FY2015 Actual	FY2016 Target	FY2017 Target	FY2018 Target
969	969	969	866	875	884	893

9c. Provide the number of clients/individuals served, if applicable.

How many individuals does the Society assist and have contact with?

FY2014 Projected	FY2014 Actual	FY2015 Projected	FY2015 Actual	FY2016 Target	FY2017 Target	FY2018 Target
495,477	574,183	495,477	591,051	596,962	602,931	608,960

10. Performance and Other Activity Measures

	FY2013	**FY2014**	**FY2015**	**FY2016**	**FY2017**
Researchers On-site	4,109	4,702	4,469	4,514	4,559
Art Gallery Attendance	4,313	4,724	3,592	3,628	3,664
Tours, Events, Staff Presentations	137	120	101	102	103
Tours, Events, Staff Presentations Attendance	4,111	4,805	3,566	3,602	3,638
Students Participating in National History Day contests	2,755	2,867	3,299	3,332	3,365
Web Site Visitors	475,283	557,085	576,125	581,886	587,705
Membership	3,686	3,777	3,845	3,883	3,922

NEW DECISION ITEM REQUEST

UNRESTRICTED EDUCATIONAL AND GENERAL
FORM 5

Department: **Higher Education-Unrestricted**
Level 2 **University of Missouri-Other Programs**
Level 3 **State Historical Society of Missouri**
Decision Item Name: **Increase for Sustaining Quality and Service: $282,370**
Decision Item Rank: **1 of 1**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

The State Historical Society of Missouri exists to collect, preserve, make accessible, and publish materials pertaining to the history of the state, Middle West, and the West. The State Historical Society is requesting an estimated $282,370 ongoing for inflation, a new FTE, preservation microfilming of newspapers, plus funding for pay equity of existing staff.

II. DESCRIPTION

The Society continues to incur higher costs to deliver its services to the public in spite of efforts to be more efficient and control costs. In addition, funds are needed to address backlog issues related to preservation of Society materials. Lack of additional funding limits the ability of the State Historical Society of Missouri to sustain the quality and level of its services, much less expand its services for the citizens of Missouri. Over the course of the past two years the Society has opened new Research Centers at Southeast Missouri State University and Missouri State University, in response to increased demand for services from those regions of the state. The Society has added thousands of "finding aids" to its material online, resulting in a more than doubling of requests for its services over the past four years. The increased demand for Society services has resulted in a further backlog of preserving, microfilming, digitizing, and making accessible to patrons and researchers the Society's extensive newspaper library, as well as reduced the ability to catalog, process and make available other historical materials, including manuscripts.

The State Historical Society of Missouri will require funds to offset the effects of increased costs of operation. The Society is requesting an additional FTE for educational outreach to assist in responding to the increased number of patrons' requests, plus funding for salary pay increases for existing staff. Other expenses in the request includes funding for increased costs of preservation microfilming of newspapers plus a 3% estimated inflationary increase in expenses to offset the effects of increased operation costs.

The State Historical Society of Missouri is requesting the FY2016 state appropriation base plus these additions to maintain a highly skilled and professional staff and to respond to the growing demand for patron services.

III. COST EXPLANATION

Salaries and Wages	$ 41,000
Benefit Expense	$ 14,502
Other Expenses	$226,868
Total State Appropriations	**$282,370**
Recurring Request (Increase to core)	**$282,370**

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: University of Missouri Alzheimer's Program
Program is found in the following core budget(s): University of Missouri - Alzheimer's Program

1. What does this program do?

The purpose of this program is to fund research that will advance knowledge concerning Alzheimer's Disease and related disorders. Alzheimer's Disease and other diseases result from significant destruction of brain tissues and are characterized by a decline of memory and other intellectual functions. Alzheimer's Disease is a particular problem in Missouri, a state with one of the largest elderly populations in the country.

2. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Section 172.800 - 172.807, RSMo

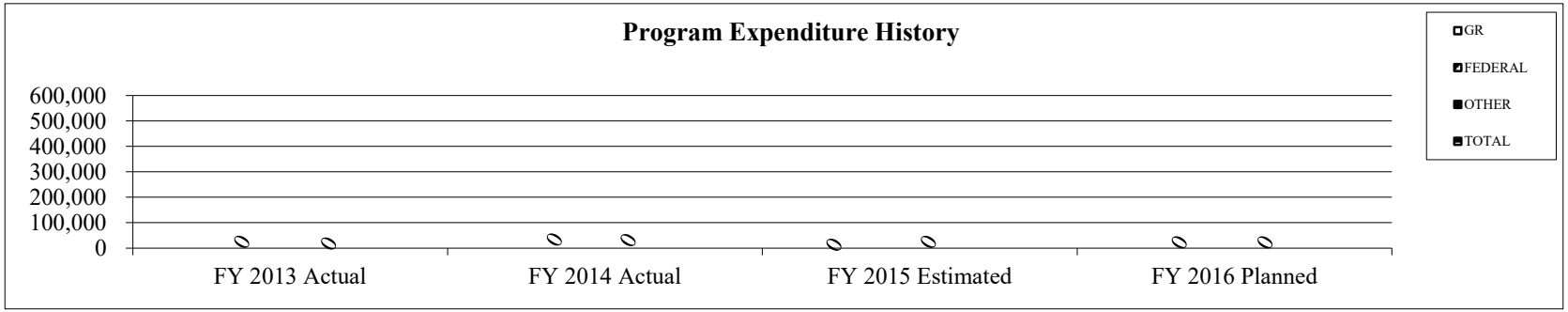
3. Are there federal matching requirements? If yes, please explain.

No

4. Is this a federally mandated program? If yes, please explain.

No

5. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



In FY2005 the program received and expended $206,770 in state appropriations. No appropriations have been provided for this program since FY2005.

6. What are the sources of the "Other " funds?

N/A

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: University of Missouri Alzheimer's Program
Program is found in the following core budget(s): University of Missouri - Alzheimer's Program

7a. Provide an effectiveness measure.

This program has not received funding since FY2005. In FY2005, 33 proposals for research were received and 7 were awarded.

7b. Provide an efficiency measure.

This program has not received funding since FY2005. In FY2005, $205,000 was awarded with an average award amount of $29,000.

NOTE: The amount awarded is the appropriated funds less 10% which is used (per statute) for program administration.

7c. Provide the number of clients/individuals served, if applicable.
N/A

7d. Provide a customer satisfaction measure, if available.
N/A

NEW DECISION ITEM REQUEST

ALZHEIMER'S PROGRAM
FORM 5

Department: **Higher Education-Unrestricted**
Level 2 **University of Missouri System**
Level 3 **Other Curator Programs**
Decision Item Name: **Alzheimer's Program: $475,640**
Decision Item Rank: **1 of 1**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

Alzheimer's disease and other related diseases results from significant destruction of brain tissues and are characterized by a decline of memory and other intellectual functions. Alzheimer's disease is a particular problem in Missouri, a state with one of the largest elderly populations in the country. The purpose of this request is to fund research that will advance knowledge relating to Alzheimer's disease and related disorders.

II. DESCRIPTION

An advisory board will make research awards, consistent with the legislation, to investigators in public or private educational, health care, and research institutions and other voluntary health associations.

III. COST EXPLANATION

Senate Bill 200, passed in 1987, stipulates that the Board of Curators shall request annually an appropriation for Alzheimer's research of not less than $200,000 adjusted for inflation. In addition, the request is to include administrative costs not to exceed 10 percent of the appropriation for research. The statutory award per year was increased from $30,000 to $50,000 by Senate Bill 563 in 2012.

The request for FY2017 is $475,640 based on $200,000 and a projected Consumer Price Index of 216.2. The request for research funds is $432,400 and the request for administrative funds is $43,240, which is 10 percent of the research amount.

IV. EVALUATION OF OUTCOMES

The university will require reports from funded investigators and will evaluate annually the extent to which this program achieves its programmatic objectives.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Spinal Cord Injury
Program is found in the following core budget(s): University of Missouri - Spinal Cord Injury

1. What does this program do?

This program provides support for research projects in Missouri that promote and advance knowledge in the areas of spinal cord injuries and congenital or acquired disease processes.

2. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Section 304.027, RSMo

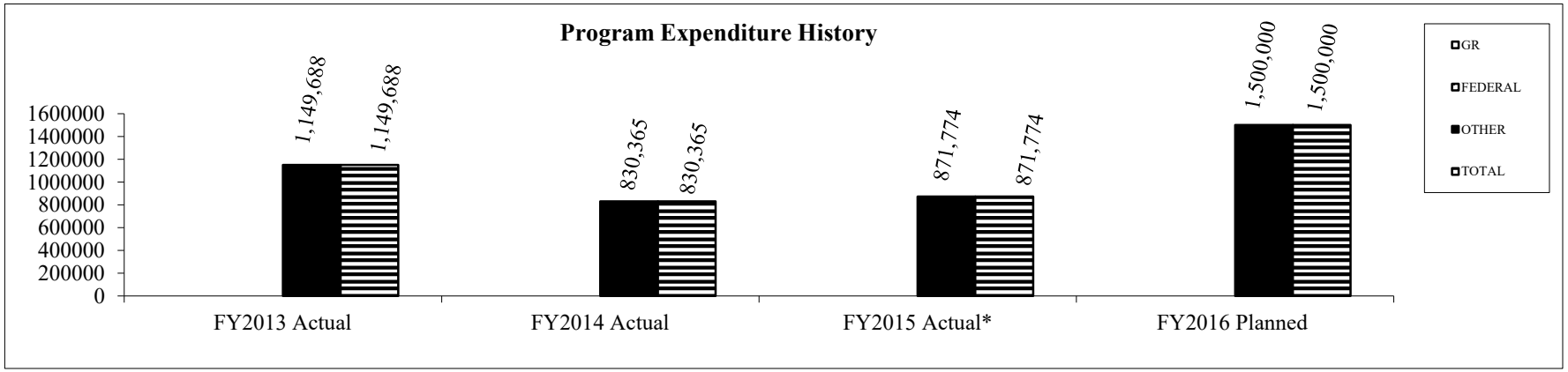
3. Are there federal matching requirements? If yes, please explain.

No

4. Is this a federally mandated program? If yes, please explain.

No

5. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



*Actual expenditures of $411,379 were recorded as accounts receivable by the university as funds were not drawn down until FY15

6. What are the sources of the "Other " funds?

Spinal Cord Injury Fund (0578)

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Spinal Cord Injury
Program is found in the following core budget(s): University of Missouri - Spinal Cord Injury

7a. Provide an effectiveness measure.

The Spinal Cord Injury Fund Program (SCI) was established in FY02. During FY02 potential members of an SCI Advisory Board were identified, nominated and approved by the University of Missouri Board of Curators. In FY03 the Advisory Board developed a list of organizations and institutions conducting spinal cord injury and treatment research. The Board then released a Call for Proposal and developed a web page to assist applicants in preparing proposals. The program's success will depend on the number of proposals that are awarded each year.

Proposals received vs proposals awarded

FY 13		FY 14		FY 15		FY 16		FY 17		FY 18	
Proj Rec'd	Proj Award	Proj Rec'd	Proj Award	Proj Rec'd	Proj Award	Proj Rec'd	Proj Award	Proj Rec'd	Proj Award	Proj Rec'd	Proj Award
17	7*	16	5	18	4	16	7	16	7	16	7

*One FY12 project award was made from FY13 appropriation due to timing.

7b. Provide an efficiency measure.

Average award per proposal

FY 13		FY 14		FY 15		FY 16		FY 17		FY 18	
Total Award Amount	Avg Award Amount	Total Award Amount	Avg Award Amount	Total Award Amount	Avg Award Amount	Total Award Amount	Avg Award Amount	Total Award Amount	Avg Award Amount	Total Award Amount	Avg Award Amount
$1,096,688	$156,670	$775,365	$155,073	$813,774	$116,253	$1,350,000	$192,857	$1,350,000	$192,857	$1,350,000	$192,857

7c. Provide the number of clients/individuals served, if applicable.

N/A

7d. Provide a customer satisfaction measure, if available.

N/A

NEW DECISION ITEM REQUEST

SPINAL CORD INJURY FUND
FORM 5

Department: **Higher Education-Unrestricted**
Level 2 **University of Missouri System**
Level 3 **Other Curator Programs**
Decision Item Name: **Spinal Cord Injuries and Congenital or Acquired Disease Processes Research Program: $1,500,000**
Decision Item Rank: **1 of 1**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

The Spinal Cord Injury Fund, established by the legislature in 2001, supports research in Missouri in the area of spinal cord injuries and congenital or acquired disease processes.

Congenital spinal cord abnormalities, such as spina bifida, include birth defects affecting the spinal cord. In addition to traumatic injuries to the spinal cord that lead to paralysis, acquired abnormalities could include Friedreich's ataxia, which manifests itself in teenage years and appears to run in families, as well as paralysis due to multiple sclerosis, polio, etc.

According to the National Spinal Cord Injury Statistical Center, approximately 273,000 persons in the United States are living with a spinal cord injury or dysfunction, with about 12,000 new cases each year. Most experts agree that this number is understated as cases involving instantaneous death, or death soon after injury, as well as those with little or no remaining neurological deficit or neurological problems secondary to trauma are not included. The majority (81 percent) of spinal cord injury victims are males. Most of the injuries result from motor vehicle accidents (37 percent), falls (29 percent), violence (14 percent), or sports injuries (9 percent).

II. DESCRIPTION

The Advisory Board and program director will make research awards, consistent with the legislation, to investigators affiliated with a public or private educational, health care, voluntary health association or research institution.

III. COST EXPLANATION

State statute stipulates that the Board of Curators shall request annually an appropriation for research awards from the Spinal Cord Injury Fund. Senate Bill 987, passed in the 2010 legislative session provided an increase in research awards from the past $50,000 maximum to $250,000 per award. The request is composed of $1,350,000 for research funds and $150,000 for administrative funds.

IV. EVALUATION OF OUTCOMES

The university will require reports from funded investigators and will evaluate annually the extent to which this program achieves its programmatic objectives.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - State Seminary Fund

1. What does this program do?

This program provides income for the general operation of University of Missouri College of Agriculture and School of Mines and Metallurgy and for three scholarships that the Curators added to the Seminary Fund in 1909. Funding for the investments that distribute to Agriculture and Mines & Metallurgy were derived from four sources - the First and Second Morrill Acts of 1862 which granted acreage to fund "at least one college to teach agriculture and mechanical arts", US Congressional reimbursement to the state of Missouri for subsisting troops during the Civil War, and fees from the sale or lease of railway equipment in 1895. Funding for the scholarships was from gifts/bequests to the university and per Board of Curators decision these were added to the Seminary Fund. Per state statute the Seminary monies belong to the university but the state must hold the securities.

2. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Section 172.610, RSMo

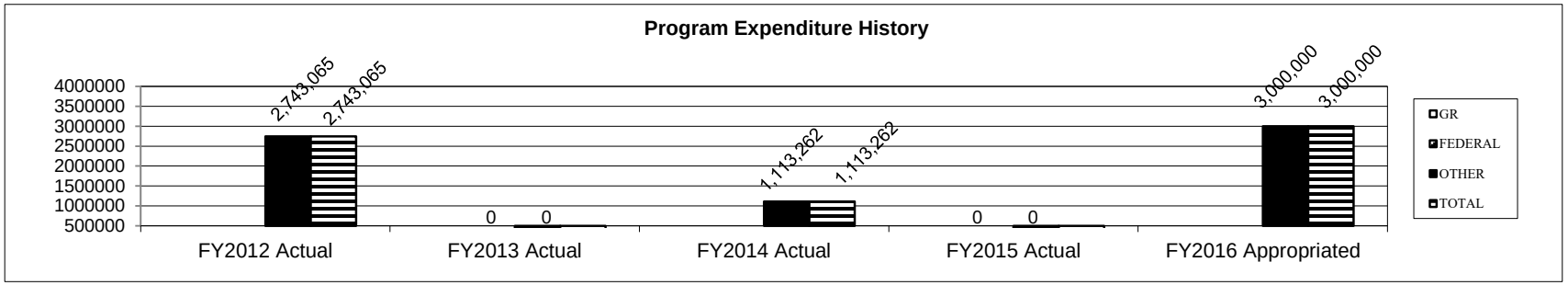
3. Are there federal matching requirements? If yes, please explain.

No

4. Is this a federally mandated program? If yes, please explain.

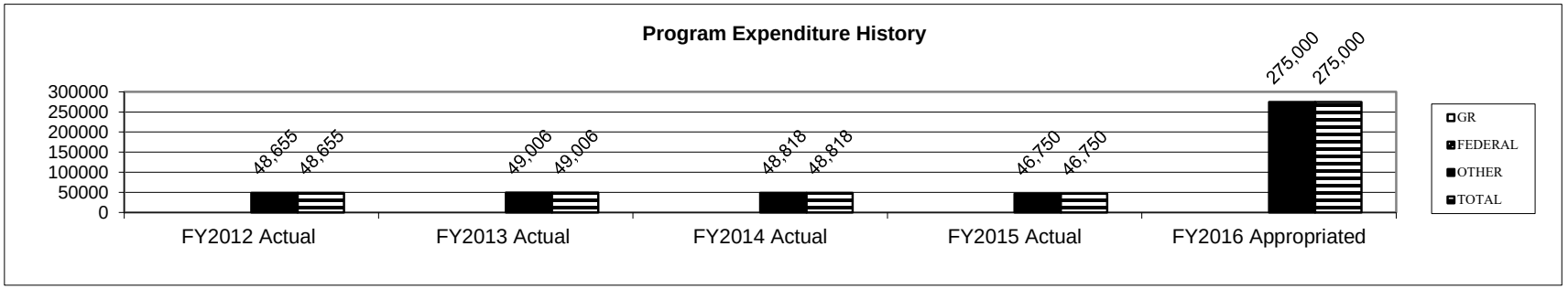
No

5. Provide actual expenditures for the prior three fiscal years and planned expenditures for the current fiscal year.



The expenditures in the graph above represent investments made by the university. As the investment instruments mature the university requisitions funds appropriated by the General Assembly for re-investment of investment instruments. There were no maturities in FY2013 or FY2015.

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - State Seminary Fund

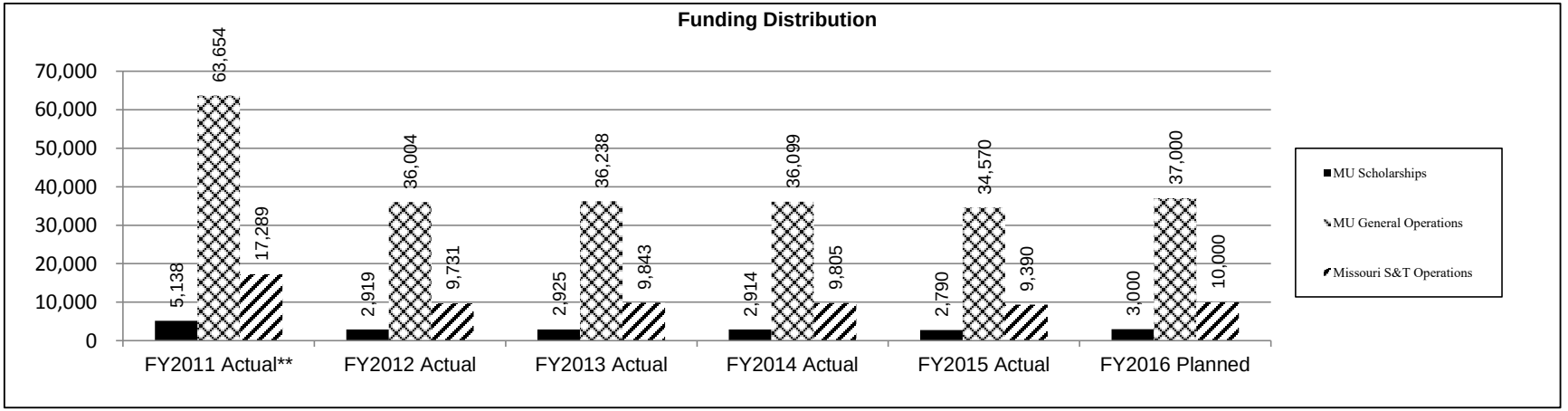


The expenditures in the graph above represent interest from investments made by the university. The interest is used to fund operations at University of Missouri-Columbia (MU) and Missouri University of Science and Technology (S&T) campuses and to fund some scholarships.

6. What are the sources of the "Other " funds?

State Seminary Fund (0872); State Seminary Money Fund (0623)

7a. Provide an effectiveness measure.



**Includes $19,974 of FY2010 earnings distributed in FY2011.
Actual and estimated receipts for FY2010-2014 are down due to market conditions including Treasury Bill rate decline.

PROGRAM DESCRIPTION

Department of Higher Education
Program Name: Division of Four-year Colleges and Universities
Program is found in the following core budget(s): University of Missouri - State Seminary Fund

7b. Provide an efficiency measure.
N/A

7c. Provide the number of clients/individuals served, if applicable.
N/A

7d. Provide a customer satisfaction measure, if available.
N/A

NEW DECISION ITEM REQUEST

STATE SEMINARY FUND
FORM 5

Department: **Higher Education-Unrestricted**
Level 2 **University of Missouri System**
Level 3 **Other Curator Programs**
Decision Item Name: **Seminary Fund: $3,275,000**
Decision Item Rank: **1 of 1**

PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

The Seminary Fund was created for the support of the University of Missouri's College of Agriculture and the School of Mines and Metallurgy. This fund consists of proceeds from the sale of land donated to the State of Missouri, proceeds from the direct tax received from the United States, the James S. Rollins Scholarship Funds, etc.

The Board of Curators is the commissioner of the Seminary Fund, and all money and funds held in or received by it, with the exception of interest, shall be invested by the commissioner in registered bonds of the United States or the State of Missouri, bonds of school districts of the State of Missouri or other securities on which the United States fully guarantees payment of not less than par value.

The State Treasurer is the custodian of the Seminary Fund and is not authorized to disburse any of these funds except upon a warrant drawn by the State Commissioner of Administration in accordance with the requisition made by the Board of Curators. The State Treasurer is empowered to collect the interest on bonds when due, credit the Seminary Fund and pay the Board of Curators the annual income received in the Seminary Funds upon requisition by the Board of Curators.

For FY2017 the university is requesting $3,000,000 in principal that will need to be reinvested during the fiscal year in Government Securities held in the Seminary Fund and $275,000 in earnings from principal held in the Seminary Fund.

	FY2016 Appropriation	FY2017 Request
To Cover Investment in Government Securities	$3,000,000	$3,000,000
To Cover Investment Earnings from Principal Held in the Seminary Fund	$275,000	$275,000

NEW DECISION ITEM REQUEST

UNRESTRICTED EDUCATIONAL AND GENERAL
FORM 5

Department: **Higher Education Unrestricted**
Level 2 **University of Missouri System**
Level 3 **All Programs**
Decision Item Name: **Missouri Returning Heroes Education Act: State Request $3,501,337**
Decision Item Rank: **1 of 1**

I. PURPOSE AND CRITERIA FOR INCLUSION IN REQUEST

The University of Missouri is requesting additional appropriation equivalent to the tuition waived in FY2009 - FY2015 for the Missouri Returning Heroes Education Act.

II. DESCRIPTION

The Missouri Returning Heroes Education Act, RSMo Section 173.900, became law on August 28, 2008. This law provides that all public institutions of higher education that receive state appropriated funds shall limit the amount of tuition charged to combat veterans to fifty dollars per credit hour as long as the veteran achieves and maintains a grade point average of 2.5 on a 4.0 scale, is enrolled in a program leading to certification or degree, and is attending in the ten year period following the last discharge from service. The law also provides that institutions may report the amount of tuition waived in a fiscal year and include the amount in the following year's appropriation request.

III. COST EXPLANATION

Campus	Students	Fees Waived
Columbia	583	$1,555,118
Kansas City	342	991,023
Rolla	54	148,564
St. Louis	369	806,632
Total	1,348	$3,501,337

Total Increase from State Appropriation $3,501,337

The request is for FY2009 - FY2015 actual costs and reflects student headcounts and tuition waived for fall, spring, and summer semesters. The student counts are the individual unduplicated counts for each year.