

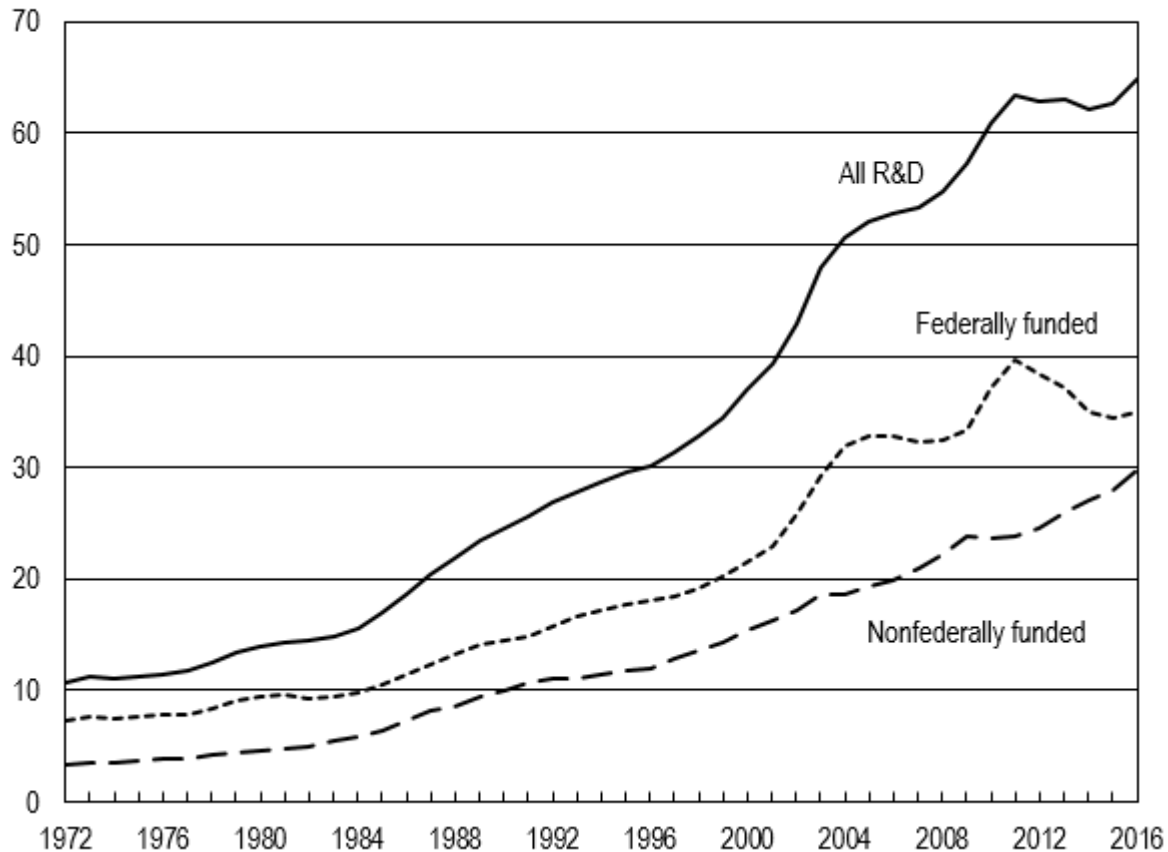
**Kentucky State University-Office of Research, Grants and Sponsored Programs**  
**National Science Foundation-Higher Education Research and Development Survey**  
**Executive Summary 2016**

**Executive Summary:**

According to the National Science Foundation, nationally reports of federal funding for higher education indicates that “research and development funds increased by 4.8% between FY 2015 and FY 2016 (figure 1).<sup>1</sup> Kentucky State University exceeded this trend and in the 2016 Higher Education Research and Development (HERD) Survey reporting an increase of over 19% from the previous year and climbed eight (8) positions from the previous year position of 375 to its current ranking of 367,

FIGURE 1. Higher education R&D expenditures, by source of funds: FYs 1972–2016

Billions of constant 2009 dollars



<sup>1</sup> Universities Report Fourth Straight Year of Declining Federal R&D Funding in FY 2016, Ronda Britt.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Higher Education Research and Development Survey.

### **What is the HERD Survey?**

The Higher Education Research and Development (HERD) Survey, successor to the Survey of Research and Development Expenditures at Universities and Colleges, is the primary source of information on R&D expenditures at U.S. colleges and universities. The survey collects information on R&D expenditures by field of research and source of funds and also gathers information on types of research and expenses and headcounts of R&D personnel. The survey is an annual census of institutions that expended at least \$150,000 in separately budgeted R&D in the fiscal year.

### **Kentucky State University on the Rise!!!**

When comparisons to key groups including institutions in the Commonwealth of Kentucky, 1890 Land Grant Institutions, and Historically Black Colleges and Universities, KSU in many instances outperformed and reported steady growth in research expenditures over the past five-years. Below are some facts/figures that provide an account of the aforementioned comparison groups.

#### **KSU comparison to Institutions in the Commonwealth of Kentucky (Table 1):**

- KSU is ranked 4<sup>th</sup> of the 8 schools reporting from the Commonwealth, reporting \$7,178,000 in expenditures
- KSU reported the second largest percentage of increase from FY15 to FY16 at 19.3%.
- Over a 5-year period KSU has an 11% average increase in research expenditures, annually, the highest in the Commonwealth

#### **KSU comparison with 1890 Land Grant Institutions (Table 2):**

- KSU ranked 15<sup>th</sup> among 1890 Land Grant Institutions in 2015, however, 2016 saw KSU climb to 14<sup>th</sup>
- The Univ. of the District of Columbia reported the largest percentage increase from the previous year at 69%, while West Virginia State Univ. saw the sharpest decline, reporting a 29% decrease from 2015

#### **KSU comparison with Historically Black Colleges & Universities (Table 3):**

- KSU ranked 52<sup>th</sup> out of the 49 Historical Black Colleges & Universities reporting
- KSU federal government funding totaled out to \$5,146,000, followed by state and local government at \$1,878,000 and business funding at \$88,000

**Table 1: Commonwealth of Kentucky**

Rank	Institution	2011	2012	2013	2014	2015	2016	% of Change 15-16
64	U. Kentucky	372,932	360,776	339,764	328,239	331,705	349,661	5.41
117	U. Louisville	197,438	196,842	186,772	183,376	179,499	182,454	1.65
342	Western Kentucky U.	8,344	10,639	9,322	8,280	7,854	8,926	13.65
367	Kentucky State U.	4,562	6,859	5,605	5,694	6,017	7,178	19.30
487	Morehead State U.	2,018	2,174	2,631	1,892	1,838	2,399	30.52
508	Murray State U.	3,718	3,345	2,192	2,080	2,371	2,124	-10.42
527	Northern Kentucky U.	2,397	2,201	1,810	2,052	2,026	1,846	-8.88
570	Eastern Kentucky U.	3,782	3,404	2,845	2,221	1,681	1,486	-11.60

**Table 2: 1890 Land Grant Institutions**

Rank	Institution	2011	2012	2013	2014	2015	2016	% of Change 15-16
203	Florida A&M U.	53,326	52,263	51,149	46,367	46,522	45,390	-2.43
222	North Carolina Agricultural and Technical State U.	34,930	35,103	33,994	35,047	35,172	33,759	-4/02
231	Alabama A&M U.	30,238	29,979	29,720	29,461	29,202	30,289	3.72
262	Delaware State U.	19,019	15,668	17,295	17,679	15,980	21,320	33.42
274	Tennessee State U.	13,468	15,439	16,177	20,068	19,955	19,520	-2.18
288	Tuskegee U.	15,685	15,991	21,150	24,945	20,740	16,535	-20.27
308	South Carolina State U.	10,037	12,909	12,809	12,709	12,607	13,076	3.72
310	Prairie View A&M U.	15,243	14,552	13,198	12,292	13,123	12,616	-3.86
320	Langston U.	5,206	5,326	4,932	8,512	8,126	11,178	37.56
339	U. Arkansas, Pine Bluff	9,415	9,082	8,911	8,198	8,425	8,873	5.32
345	U. Maryland, Eastern Shore	8,664	7,309	8,826	8,982	9,700	8,250	-14.95
346	Alcorn State U.	11,397	11,515	11,315	10,060	9,396	8,204	-12.69
348	Virginia State U.	8,562	10,296	9,535	8,374	7,808	8,147	4.34
362	Kentucky State U.	4,562	6,859	5,605	5,694	6,017	7,178	19.30
394	West Virginia State U.	4,176	5,087	4,491	7,221	7,365	5,224	-29.07
403	Southern U. and A&M C., Agricultural Research and Extension Center	6,143	8,122	5,530	5,606	4,761	4,704	-1.20
408	Southern U. and A&M C., Baton Rouge	6,819	6,773	4,920	4,812	4,766	4,322	-9.32
434	U. of the District of Columbia	4,422	4,030	3,073	2,361	2,043	3,469	69.80
549	Central State U.	3,821	3,591	2,771	2,025	1,505	1,643	8.21

**Table 3: Higher education R&D expenditures at historically black colleges and universities, ranked by all R&D expenditures, by source of funds: FY 2016**

Rank	Institution	All R&D expenditures	Source of funds					
			Federal government	State and local government	Institution funds	Business	Nonprofit organizations	All other sources
	All HBCUs	567,864	443,830	30,419	74,037	5,126	10,720	3,732
1	Florida A&M U.	45,390	37,363	1,692	5,765	515	55	0
2	Howard U.	41,038	33,441	707	4,517	1,460	913	0
3	Morehouse School of Medicine	38,774	28,678	419	4,940	0	4,677	60
4	North Carolina Agricultural and Technical State U.	33,759	21,112	68	12,170	78	91	240
5	Alabama A&M U.	30,289	22,478	657	4,703	171	0	2,280
6	Jackson State U.	23,832	20,854	0	2,255	0	676	47
7	Delaware State U.	21,320	15,260	379	5,678	3	0	0
8	U. of the Virgin Islands	21,215	20,951	264	NA	0	0	0
9	Tennessee State U.	19,520	12,291	728	6,086	368	47	0
10	Tuskegee U.	16,535	10,388	2,590	3,553	0	0	4
11	Morehouse C.	15,971	15,957	14	0	0	0	0
12	Morgan State U.	15,727	14,343	808	69	253	128	126
13	Fayetteville State U.	15,725	11,207	591	3,672	157	98	0
14	Meharry Medical C.	14,768	13,528	0	486	15	739	0
15	Hampton U.	14,225	14,201	0	24	0	0	0
16	South Carolina State U.	13,076	4,556	5,072	3,439	0	0	9
17	Prairie View A&M U.	12,616	7,952	2,913	1,659	57	35	0
18	North Carolina Central U.	12,463	10,455	236	NA	928	844	0
19	Xavier U. Louisiana	12,084	10,503	643	790	0	148	0
20	Langston U.	11,178	9,178	2,000	NA	0	0	0
21	Fisk U.	10,635	9,544	120	624	0	347	0
22	Dillard U.	9,566	7,605	171	1,095	0	494	201
23	U. Arkansas, Pine Bluff	8,873	4,233	2,120	2,475	0	45	0
24	Clark Atlanta U.	8,513	6,048	51	2,255	52	107	0
25	U. Maryland, Eastern Shore	8,250	7,853	79	NA	0	20	298
26	Alcorn State U.	8,204	6,387	18	1,462	299	38	0
27	Virginia State U.	8,147	5,204	595	2,327	19	0	2
28	Norfolk State U.	7,593	7,230	7	57	0	0	299
29	Kentucky State U.	7,178	5,146	1,878	28	88	27	11
30	Lincoln U., Jefferson City	5,826	4,953	873	NA	0	0	0
31	West Virginia State U.	5,224	4,126	886	179	30	3	0
32	Fort Valley State U.	5,138	4,844	0	294	0	0	0
33	Southern U. and A&M C., Agricultural Research and Extension Center	4,704	2,415	2,227	62	0	0	0
34	Texas Southern U.	4,495	3,269	481	414	111	220	0
35	Southern U. and A&M C., Baton Rouge	4,322	2,778	113	1,319	112	0	0
36	U. of the District of Columbia	3,469	2,451	0	889	0	0	129
37	Tougaloo C.	2,473	2,473	0	0	0	0	0
38	Alabama State U.	2,372	2,372	0	0	0	0	0
39	Wiley C.	2,301	2,060	231	0	0	10	0
40	Savannah State U.	2,267	2,251	0	0	0	16	0
41	Johnson C. Smith U.	2,094	1,279	74	0	0	741	0
42	Spelman C.	1,929	1,291	0	476	162	0	0
43	Bowie State U.	1,927	1,927	0	0	0	0	0
44	Elizabeth City State U.	1,889	1,827	41	NA	0	0	21
45	Claffin U.	1,772	1,743	0	0	1	28	0
46	Benedict C.	1,653	1,621	0	0	0	32	0
47	Central State U.	1,643	1,546	97	0	0	0	0
48	Grambling State U.	1,570	974	464	90	0	37	5
49	Albany State U.	1,496	1,137	112	0	247	0	0
50	Winston-Salem State U.	1,356	1,356	0	NA	0	0	0
51	Oakwood U.	966	677	0	185	0	104	0
52	Shaw U.	514	514	0	0	0	0	0