



Sponsored Research Awards

**Research, scholarly, and creative
activity and discovery at
Kansas State University**

July 1, 2019-June 30, 2020



October 7, 2020

Dear Colleague:

The Office of the Vice President for Research is pleased to provide the attached proposal/award activity report for the period of July 1, 2019-June 30, 2020. We are presenting this annual report in a new format, making it easier for the user to search, compare, and collect information across the university. The complete, more detailed and interactive view of the report is available at k-state.edu/research/our-research/reports.

Total extramural funding garnered by Kansas State University has increased for the fifth year in a row, for a net increase of 55% since fiscal year (FY) 2016. In FY 2020, our researchers obtained 1,139 awards for a record total of \$200,274,495, a 15% increase over FY 2019.

These awards represented a 28% increase in Federal funding while maintaining our funding from state and local governments, private foundations, and industry sponsors.

Economic development and technology transfer are significant focus areas for the growth of our strategic partnerships. On July 1, 2019, the historic K-State Research Foundation and the Institute for Commercialization merged to form Kansas State University Innovation Partners. This new entity better represents the organization's national leadership position in technology commercialization, economic development and corporate engagement. In its first year of operations, Innovation Partners facilitated **more than \$3.2 million in total licensing revenue in FY 2020 and a record 35 license agreements**; four of those agreements with direct impact on the fight against COVID-19. At this writing, additional COVID-19 treatments continue to be developed, disclosed, licensed, and further tested and validated with corporate partners. Over the last decade, 24 companies and 600 employees have been attracted to the region.

This was an **all-around record year** for K-State research despite the pandemic in the last quarter of FY 2020. Our research faculty and staff are resilient and are responsible for making K-State a leader and primary contributor in the world innovation ecosystem.

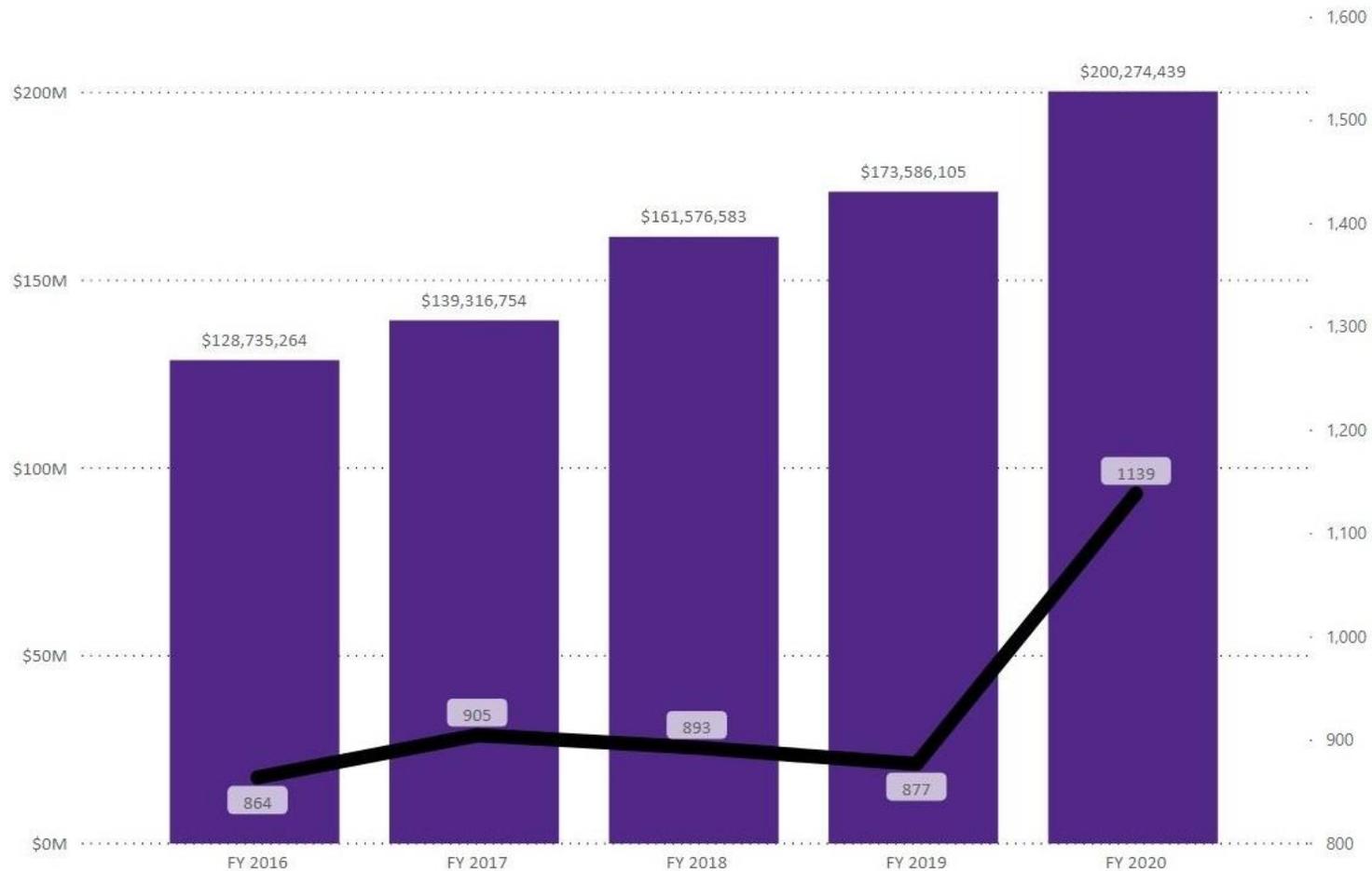
If you have questions about the content of this report, please contact Paul Lowe at plowe@k-state.edu or 785-532-6804, or Cecelia Scaler at cscaler@k-state.edu or 785-532-6804.

Sincerely,



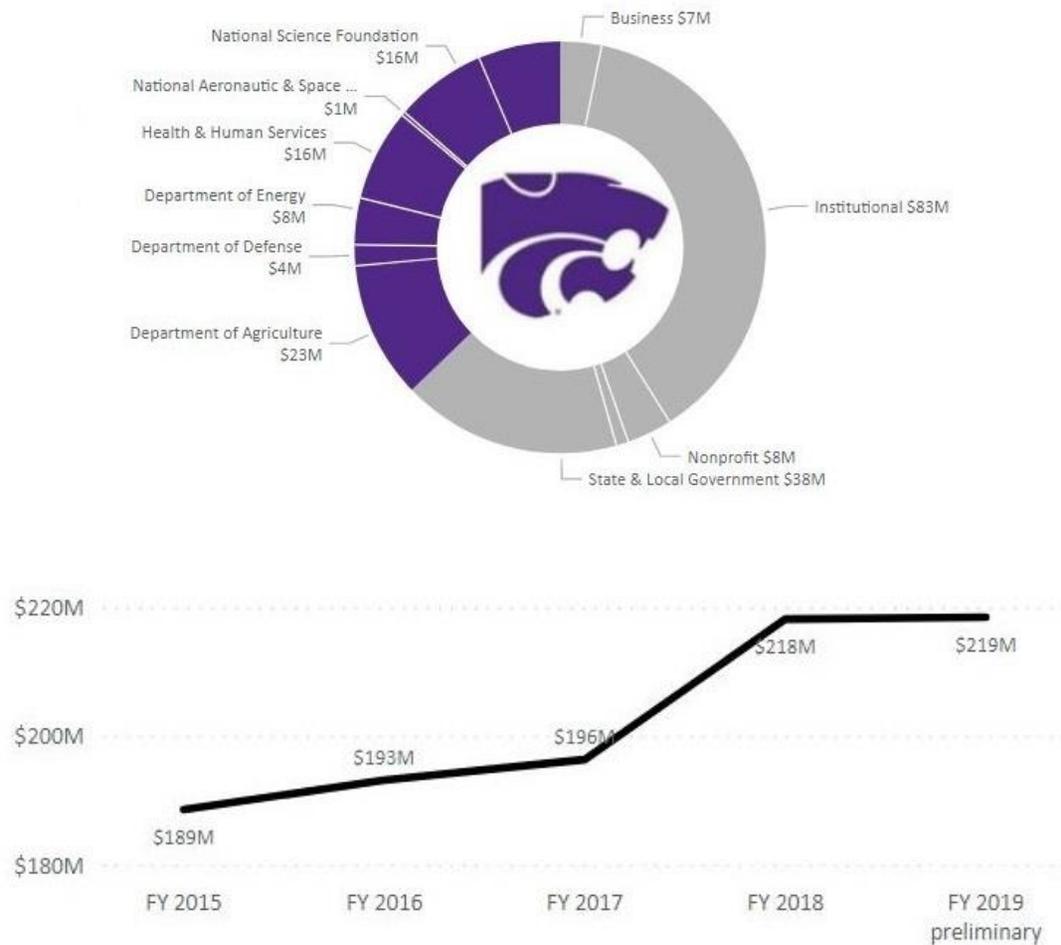
Peter K. Dorhout, Ph.D.
Vice President for Research

Award amount and count FY 2016-FY 2020



K-State's implementation of the new research administration system, Cayuse SP, allowed for a distinct count of award transactions while also allowing the appropriate allocation of credit to individual project team members. The previous years' reports, prior to the reconfigured annual comparison above, presented a collaborative count in which each researcher contributing intellectual input was credited with a "count" for the purposes of allocating credit. The above annual award dollars reflect the funds obligated by the sponsor(s) within the fiscal year.

Expenditures (NSF HERD) FY 2015-FY 2019

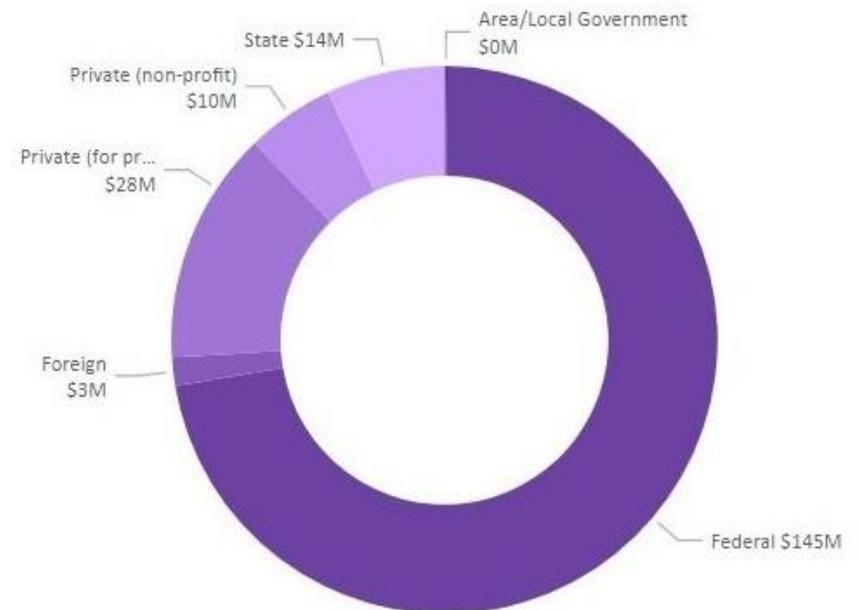


The HERD survey consists of the reported annual expenditures of more than 600 participating higher education institutions. The FY 2019 expenditures are the most up-to-date expenditures data published by the NSF HERD Survey. K-State has submitted its FY 2019 survey data; the data is considered preliminary until released by NSF.

Award summary by source

FY 2020

Source of Funds	Count	Amount	Percent of Total
<input type="checkbox"/> Federal	589	\$144,528,139	72.17%
<input type="checkbox"/> USDA - US Department of Agriculture	194	\$44,192,256	22.07%
<input type="checkbox"/> NSF - National Science Foundation	107	\$21,602,036	10.79%
<input type="checkbox"/> HHS - US Department of Health and Human Services	95	\$20,663,209	10.32%
<input type="checkbox"/> US Education - US Department of Education	14	\$15,785,834	7.88%
<input type="checkbox"/> USAID - United States Agency for International Development	25	\$14,419,221	7.20%
<input type="checkbox"/> DOE - US Department of Energy	44	\$9,350,944	4.67%
<input type="checkbox"/> DOD - US Department of Defense	36	\$6,794,384	3.39%
<input type="checkbox"/> DOT - US Department of Transportation	14	\$4,089,079	2.04%
<input type="checkbox"/> EPA - US Environmental Protection Agency	14	\$3,501,207	1.75%
<input type="checkbox"/> DOI - US Department of the Interior	17	\$1,712,598	0.86%
<input type="checkbox"/> NASA - National Aeronautics and Space Administration	9	\$627,639	0.31%
<input type="checkbox"/> DHS - US Department of Homeland Security	3	\$593,719	0.30%
<input type="checkbox"/> US Commerce - US Department of Commerce	5	\$551,245	0.28%
<input type="checkbox"/> US State - US Department of State	5	\$463,442	0.23%
<input type="checkbox"/> HUD - US Department of Housing and Urban Development	1	\$78,803	0.04%
<input type="checkbox"/> Other Federal	5	\$72,132	0.04%
<input type="checkbox"/> DHS - Federal Emergency Management Agency	1	\$30,391	0.02%
<input type="checkbox"/> Private (for profit)	152	\$27,582,969	13.77%
<input type="checkbox"/> State	151	\$14,030,065	7.01%
<input type="checkbox"/> Private (non-profit)	210	\$10,473,101	5.23%
<input type="checkbox"/> Foreign	26	\$3,343,254	1.67%
<input type="checkbox"/> Area/Local Government	11	\$316,912	0.16%
Total	1139	\$200,274,439	100.00%

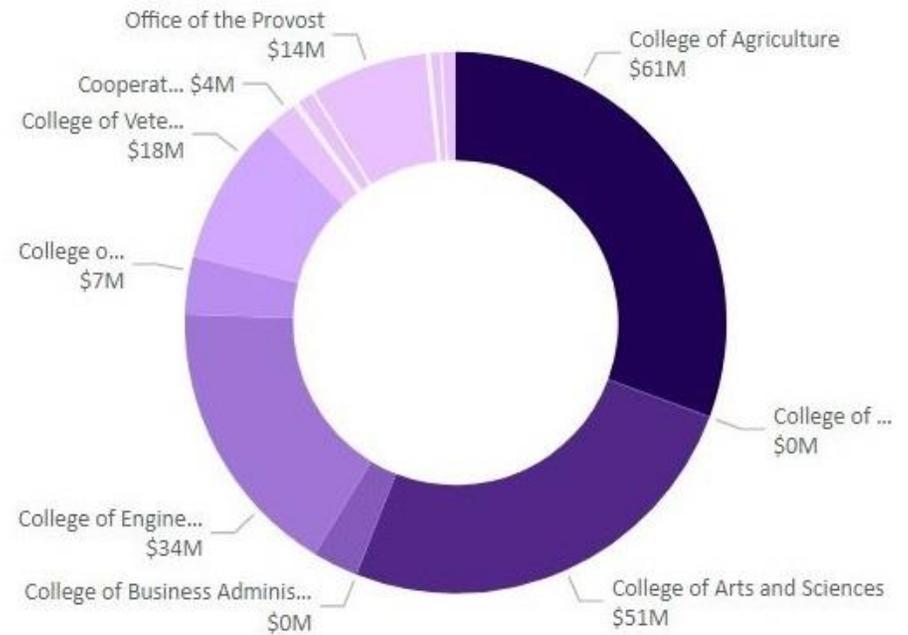


The above award summary by source represents the original sources of funding, regardless of the flow of these funds through an intermediary organization.

Award summary by unit

FY 2020

Unit	Count	Amount	Percent of Total
College of Agriculture	479	\$61,345,921	30.63%
College of Architecture, Planning and Design	13	\$133,351	0.07%
College of Arts and Sciences	216	\$50,621,454	25.28%
College of Business Administration	4	\$40,254	0.02%
College of Education	41	\$5,432,027	2.71%
College of Engineering	210	\$33,595,045	16.77%
College of Health and Human Sciences	34	\$6,928,169	3.46%
College of Veterinary Medicine	150	\$17,837,791	8.91%
Cooperative Extension Service	43	\$3,993,876	1.99%
Division of Communications and Marketing	2	\$44,250	0.02%
Graduate School	5	\$426,122	0.21%
Information Systems	2	\$7,237	0.00%
K-State Global	1	\$5,000	0.00%
K-State Libraries	1	\$5,000	0.00%
K-State Olathe	1	\$0	0.00%
K-State Polytechnic	24	\$2,200,890	1.10%
Office of the President	1	\$1,760	0.00%
Office of the Provost	19	\$14,222,026	7.10%
School of Leadership Studies	5	\$343,933	0.17%
University Operations	3	\$13,102	0.01%
Vice President for Research	24	\$1,360,005	0.68%
Vice President for Student Life and Dean of Students	15	\$1,717,225	0.86%
Total	1139	\$200,274,439	100.00%



Note: Cooperative Extension Projects are reflected within various performing units; expansion of the [interactive data tools](#) available online will provide more details.

Note: The [interactive data tool](#) utilizes aggregation functionality to address award counts when multiple units are collaborating.

Summary by unit (proposal/award) FY 2020

Fiscal Year	FY 2020					
Unit	Proposal Count	Proposal Amount	Proposal Percent of Total	Award Count	Award Amount	Award Percent of Total
⊕ College of Agriculture	624	\$149,422,193	22.58%	480	\$61,345,921	30.63%
⊕ College of Architecture, Planning and Design	18	\$841,476	0.13%	14	\$133,351	0.07%
⊕ College of Arts and Sciences	391	\$171,752,261	25.95%	217	\$50,621,454	25.28%
⊕ College of Business Administration	5	\$67,626	0.01%	5	\$40,254	0.02%
⊕ College of Education	65	\$19,878,614	3.00%	42	\$5,432,027	2.71%
⊕ College of Engineering	370	\$160,409,989	24.24%	211	\$33,595,045	16.77%
⊕ College of Health and Human Sciences	77	\$20,889,624	3.16%	35	\$6,928,169	3.46%
⊕ College of Veterinary Medicine	286	\$99,891,744	15.09%	151	\$17,837,791	8.91%
⊕ Cooperative Extension Service	52	\$7,045,796	1.06%	44	\$3,993,876	1.99%
⊕ Division of Communications and Marketing	2	\$20,000	0.00%	3	\$44,250	0.02%
⊕ Graduate School	2	\$22,695	0.00%	6	\$426,122	0.21%
⊕ Information Systems	4	\$187,508	0.03%	3	\$7,237	0.00%
⊕ K-State Global	3	\$15,000	0.00%	2	\$5,000	0.00%
⊕ K-State Libraries	4	\$127,865	0.02%	2	\$5,000	0.00%
⊕ K-State Olathe	6	\$814,273	0.12%	2	\$0	0.00%
⊕ K-State Polytechnic	25	\$2,960,446	0.45%	25	\$2,200,890	1.10%
⊕ Office of the President	5	\$390,165	0.06%	2	\$1,760	0.00%
⊕ Office of the Provost	26	\$21,827,518	3.30%	20	\$14,222,026	7.10%
⊕ School of Leadership Studies	10	\$1,271,984	0.19%	6	\$343,933	0.17%
⊕ University Operations	4	\$13,102	0.00%	4	\$13,102	0.01%
⊕ Vice President for Administration and Finance	1	\$0	0.00%	1	\$0	0.00%
⊕ Vice President for Research	26	\$2,597,812	0.39%	24	\$1,360,005	0.68%
⊕ Vice President for Student Life and Dean of Students	13	\$1,439,100	0.22%	16	\$1,717,225	0.86%
Total	1672	\$661,886,790	100.00%	1139	\$200,274,439	100.00%

The above annual award dollars reflect the funds obligated by the sponsor(s) within the fiscal year. Previous year awards received (i.e. in the case of incrementally funded awards, are not included if received in a previous award/reporting period. Future pledged award amounts will be reported in the fiscal year actually received. For unit by unit breakdown, please access the [interactive data tools](#) provided online. Cayuse SP documents the appropriate allocation of credit and generates the above data.

Note: The [interactive data tool](#) utilizes aggregation functionality to address proposal/award counts when multiple units are collaborating.

Award summary by unit

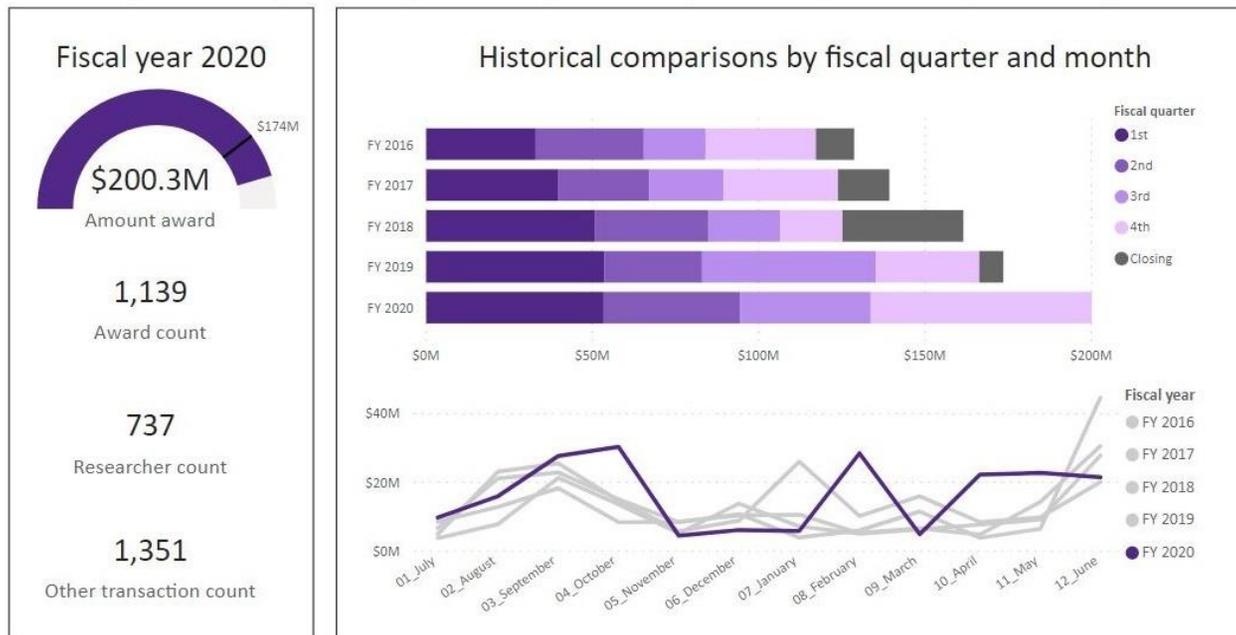
FY 2016-FY 2020

Fiscal Year Unit	FY 2016		FY 2017		FY 2018		FY 2019		FY 2020	
	Count	Amount	Count	Amount	Count	Amount	Count	Amount	Count	Amount
☐ College of Agriculture	393	\$46,557,546	397	\$45,809,019	369	\$39,795,801	355	\$49,522,566	479	\$61,345,921
☐ College of Architecture, Planning and Design	5	\$35,721	8	\$197,543	5	\$35,995	8	\$104,275	13	\$133,351
☐ College of Arts and Sciences	151	\$19,033,811	163	\$27,243,509	152	\$51,278,662	152	\$48,042,873	216	\$50,621,454
☐ College of Business Administration			1	\$47,500			2	\$94,469	4	\$40,254
☐ College of Education	31	\$4,564,195	28	\$3,461,870	32	\$2,500,753	24	\$3,858,387	41	\$5,432,027
☐ College of Engineering	134	\$22,867,528	139	\$17,705,722	156	\$22,696,113	140	\$22,382,058	210	\$33,595,045
☐ College of Health and Human Sciences									34	\$6,928,169
☐ College of Human Ecology	47	\$12,507,045	42	\$10,520,492	48	\$10,685,358	43	\$12,557,244		
☐ College of Veterinary Medicine	103	\$12,331,272	119	\$11,566,509	141	\$16,101,496	151	\$14,522,368	150	\$17,837,791
☐ Cooperative Extension Service	39	\$2,014,764	54	\$11,510,133	48	\$5,519,142	35	\$8,666,611	43	\$3,993,876
☐ Division of Communications and Marketing									2	\$44,250
☐ Facilities Management					1	\$3,750				
☐ Graduate School									5	\$426,122
☐ Information Systems									2	\$7,237
☐ K-State Global									1	\$5,000
☐ K-State Libraries									1	\$5,000
☐ K-State Olathe			3	\$43,700			1	\$0	1	\$0
☐ K-State Polytechnic	6	\$896,549	3	\$174,821	6	\$650,512	17	\$1,210,500	24	\$2,200,890
☐ Office of the President			3	\$5,022,932	3	\$5,026,300	3	\$5,082,500	1	\$1,760
☐ Office of the Provost	17	\$1,482,311	20	\$1,831,565	15	\$2,153,790	17	\$1,804,874	19	\$14,222,026
☐ School of Leadership Studies									5	\$343,933
☐ University Operations									3	\$13,102
☐ Vice President for Administration and Finance	2	\$19,605	2	\$9,878	1	\$2,000	1	\$24,897		
☐ Vice President for Research	13	\$4,568,457	10	\$2,067,758	10	\$1,839,343	12	\$2,709,839	24	\$1,360,005
☐ Vice President for Student Life and Dean of Students	19	\$1,856,460	20	\$2,103,803	24	\$3,287,568	25	\$3,002,644	15	\$1,717,225
Total	864	\$128,735,264	905	\$139,316,754	893	\$161,576,583	877	\$173,586,105	1139	\$200,274,439

Award activity analysis

FY 2020

College of Agriculture	College of Architecture, Planning and Design	College of Arts and Sciences	College of Business Administration	College of Education	College of Engineering	College of Health and Human Sciences	College of Human Ecology	College of Veterinary Medicine
Advanced Manufacturing Institute	Agricultural Economics	Agricultural Research Center-Hays	Agriculture Academic Programs	Agriculture and Natural Resources	Agriculture Experiment Station	Agriculture Natural Resources and Community Vitality	Agronomy	Anatomy and Physiology



Award count: Inclusive of new awards and funded award modifications.

Researcher count: Represents the distinct count of individuals engaged in award activity.

Other transaction count: Representative of other RSCAD transactions, including nonmonetary award modifications (i.e. budget revisions, no cost time extensions, etc.), outgoing agreements (i.e. sub-agreements, service agreements and consulting agreements) as well as zero-dollar agreements (i.e. MTA, NDA, CA).

It is suggested that all reports found in this annual summary be accessed via the [online interactive tool](#) for more in depth filtering and analysis.