Table CT1. Energy Consumption Estimates for Selected Energy Sources in Physical Units, Selected Years, 1960-2021, Kansas

Year	Coal	Natural Gas [a]	Petroleum							Nuclear Electric Power	Hydro-electric Power [g]	Fuel Ethanol [h]	Biodiesel
			Distillate Fuel Oil [b]	HGL [c]	Jet Fuel [d]	Motor Gasoline [e]	Residual Fuel Oil	Other [f]	Total				
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Million Kilowatthours		Thousand Barrels	
1960	675	361	4,739	5,590	952	23,712	2,403	9,602	46,998	0	20	NA	NA
1965	644	443	5,257	6,521	1,053	25,525	1,066	12,322	51,744	0	13	NA	NA
1970	458	576	7,550	8,009	1,561	28,849	1,127	10,093	57,189	0	7	NA	NA
1971	459	607	8,385	7,769	1,525	29,136	811	10,038	57,665	0	7	NA	NA
1972	531	628	9,010	8,293	1,452	31,075	2,256	10,445	62,531	0	5	NA	NA
1973	1,185	604	10,303	8,472	1,399	31,273	2,541	11,931	65,919	0	3	NA	NA
1974	1,952	587	10,778	8,439	1,404	31,000	2,791	11,733	66,144	0	7	NA	NA
1975	3,117	499	11,273	8,857	1,310	32,004	6,365	11,479	71,288	0	5	NA	NA
1976	3,597	515	12,071	9,952	1,239	33,850	6,220	11,721	75,052	0	5	NA	NA
1977	4,682	507	12,456	10,087	1,426	33,273	6,282	12,652	76,175	0	3	NA	NA
1978	7,469	519	14,250	9,046	1,506	33,496	6,771	13,062	78,131	0	5	NA	NA
1979	7,878	584	19,555	9,862	1,922	31,885	4,718	13,355	81,298	0	4	NA	NA
1980	10,370	488	14,764	8,404	2,466	29,584	1,498	12,696	69,413	0	8	NA	NA
1981	11,684	428	13,414	7,438	2,442	29,272	1,037	9,086	62,688	0	8	39	NA
1982	11,895	401	13,814	11,948	1,834	28,588	1,028	7,717	64,927	0	7	18	NA
1983	13,103	346	14,009	12,021	1,492	28,603	1,956	8,157	66,237	0	6	157	NA
1984	15,565	364	14,764	26,692	3,338	28,499	1,154	8,820	83,266	0	7	612	NA
1985	14,715	355	14,902	24,510	4,424	28,209	86	7,578	79,710	3,856	9	529	NA
1986	14,359	313	14,229	16,615	7,038	28,453	487	9,182	76,003	6,959	8	505	NA
1987	15,194	328	17,068	16,113	4,285	29,123	353	9,687	76,628	6,471	9	341	NA
1988	14,951	353	16,751	19,029	4,176	30,819	811	12,484	84,070	6,650	12	294	NA
1989	14,963	341	16,095	18,889	3,833	29,852	367	11,408	80,445	9,709	10	286	NA
1990	15,175	353	16,697	15,565	3,701	28,626	229	12,171	76,989	7,874	13	175	NA
1991	14,881	371	15,624	13,293	3,296	28,041	128	10,045	70,426	5,859	11	170	NA
1992	14,227	343	14,895	16,816	4,164	27,821	178	10,654	74,528	8,491	10	167	NA
1993	17,386	392	16,016	8,269	3,617	28,480	369	9,565	66,316	7,900	5	145	NA
1994	17,158	416	14,687	7,754	1,981	29,073	187	11,235	64,917	8,529	10	137	NA
1995	16,521	367	18,223	4,924	2,414	29,402	31	10,169	65,162	10,062	11	110	NA
1996	19,084	362	16,570	10,442	2,009	30,927	289	10,310	70,548	8,205	11	68	NA
1997	17,673	338	16,375	14,557	2,131	30,695	257	8,941	72,955	8,430	14	68	NA
1998	17,736	327	15,930	14,121	2,159	32,001	269	8,789	73,270	10,411	11	84	NA
1999	19,003	303	15,660	21,741	3,476	33,550	570	9,064	84,060	9,157	12	140	NA
2000	20,845	312	14,849	17,401	3,234	31,894	937	8,446	76,762	9,061	15	62	NA
2001	20,316	272	15,550	11,122	2,259	30,297	1,301	11,152	71,680	10,347	26	58	4
2002	22,838	305	16,359	10,659	2,135	28,571	991	10,389	69,105	9,042	13	705	7
2003	22,738	281	17,100	16,944	3,228	32,721	2,160	9,969	82,121	8,890	12	999	5
2004	22,341	257	17,155	14,808	3,104	31,815	2,184	10,269	79,336	10,133	13	100	11
2005	22,251	255	18,147	2,768	1,758	28,162	2,055	9,620	62,510	8,821	11	747	36
2006	21,110	264	18,969	1,875	1,752	31,603	619	9,633	64,452	9,350	10	753	104
2007	23,020	287	19,391	17,592	1,543	31,979	464	9,506	80,474	10,369	11	1,448	141
2008	21,779	283	20,104	3,651	1,735	31,204	1,220	8,502	66,416	8,497	11	2,628	121
2009	20,888	287	19,471	3,541	2,447	31,768	445	8,484	66,155	8,769	13	2,532	128
2010	21,076	275	19,146	3,229	1,906	31,771	361	9,771	66,185	9,556	13	2,518	104
2011	20,233	280	18,620	3,117	1,730	30,677	274	8,581	62,999	7,319	15	2,538	354
2012	17,847	262	18,737	2,503	1,900	30,718	250	8,734	62,842	8,285	10	2,396	349
2013	19,000	283	21,710	2,925	1,124	30,874	176	8,262	65,070	7,168	15	2,446	644
2014	18,320	285	24,264	3,143	1,690	31,364	180	7,816	68,457	8,558	16	2,690	654
2015	15,967	271	22,481	3,074	1,245	30,729	243	8,050	65,821	8,630	19	2,945	536
2016	14,690	267	20,719	2,368	1,521	32,595	574	8,265	66,042	8,246	31	3,088	732
2017	12,654	270	21,042	2,363	1,197	31,162	600	R 8,221	64,585	10,648	29	2,985	629
2018	13,293	310	22,498	2,952	1,367	30,685	358	8,234	66,094	9,168	26	2,909	597
2019	11,615	307	22,208	3,362	R 1,299	32,208	497	R 8,461	R 68,034	9,248	20	3,101	R 471
2020	11,319	292	21,683	3,097	R 1,115	29,618	569	R 8,296	R 64,379	10,582	32	2,848	613
2021	12,651	283	21,180	2,925	1,295	30,057	493	8,941	64,891	8,575	30	2,906	500

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.
[c] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[g] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
[h] Includes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate.
NA = Not available.
Where shown, R = Revised data and (s) = Value less than 0.5.
Notes: Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2021, Kansas

(Trillion Btu)

Year	Fossil Fuels										*Fossil Fuels (as commingled)*		
			Petroleum										
	Coal	Natural Gas excluding Supplemental Gaseous Fuels [a]	Distillate Fuel Oil excluding Biofuels [a]	HGL [b]	Jet Fuel [c]	Motor Gasoline excluding Fuel Ethanol [a]	Residual Fuel Oil	Other [d]	Total	Total	*Natural Gas including Supplemental Gaseous Fuels* [a]	*Distillate Fuel Oil including Biofuels* [a]	*Motor Gasoline including Fuel Ethanol* [a]
1960	15.7	373.7	27.6	21.4	5.1	124.6	15.1	58.7	252.4	641.8	*373.7*	*27.6*	*124.6*
1965	15.3	440.8	30.6	25.0	5.7	134.1	6.7	74.8	276.8	732.9	*440.8*	*30.6*	*134.1*
1970	10.7	574.5	44.0	30.4	8.6	151.5	7.1	61.3	302.9	888.2	*574.5*	*44.0*	*151.5*
1971	10.8	605.8	48.8	29.4	8.4	153.1	5.1	61.5	306.3	922.9	*605.8*	*48.8*	*153.1*
1972	12.4	626.9	52.5	31.4	8.0	163.2	14.2	63.8	333.1	972.3	*626.9*	*52.5*	*163.2*
1973	24.6	597.2	60.0	31.9	7.7	164.3	16.0	73.0	352.9	974.7	*597.2*	*60.0*	*164.3*
1974	39.1	578.8	62.8	31.6	7.7	162.8	17.5	71.8	354.4	972.3	*578.8*	*62.8*	*162.8*
1975	62.3	490.7	65.7	33.1	7.2	168.1	40.0	70.0	384.1	937.1	*490.7*	*65.7*	*168.1*
1976	73.4	505.4	70.3	37.0	6.8	177.8	39.1	71.4	402.4	981.2	*505.4*	*70.3*	*177.8*
1977	89.5	497.3	72.6	37.1	7.9	174.8	39.5	77.1	409.0	995.8	*497.3*	*72.6*	*174.8*
1978	136.8	508.0	83.0	33.3	8.4	176.0	42.6	80.1	423.3	1,068.2	*508.0*	*83.0*	*176.0*
1979	147.5	571.3	113.9	35.8	10.7	167.5	29.7	81.5	439.1	1,157.9	*571.3*	*113.9*	*167.5*
1980	191.6	482.0	86.0	30.4	13.8	155.4	9.4	77.6	372.7	1,046.2	*482.0*	*86.0*	*155.4*
1981	212.9	422.6	78.1	26.7	13.6	153.8	6.5	56.4	335.1	970.6	*422.6*	*78.1*	*153.8*
1982	212.5	400.5	80.5	42.0	10.2	150.2	6.5	47.8	337.1	950.1	*400.5*	*80.5*	*150.2*
1983	231.2	345.9	81.6	42.2	8.2	150.3	12.3	49.9	344.5	921.5	*345.9*	*81.6*	*150.3*
1984	274.8	360.8	86.0	91.7	18.7	149.7	7.3	54.1	407.4	1,043.0	*360.8*	*86.0*	*149.7*
1985	259.5	354.8	86.8	84.6	24.8	148.2	0.5	46.9	391.9	1,006.2	*354.8*	*86.8*	*148.2*
1986	251.7	308.0	82.9	58.4	39.7	149.5	3.1	57.3	390.8	950.5	*308.0*	*82.9*	*149.5*
1987	267.4	343.2	99.4	57.1	24.1	153.0	2.2	59.7	395.6	1,006.1	*343.2*	*99.4*	*153.0*
1988	269.3	348.0	97.6	67.2	23.4	161.9	5.1	77.5	432.7	1,050.0	*348.0*	*97.6*	*161.9*
1989	267.9	338.6	93.8	67.5	21.5	156.8	2.3	69.9	411.8	1,018.3	*338.6*	*93.8*	*156.8*
1990	271.7	352.6	97.3	54.3	20.7	150.4	1.4	75.0	399.1	1,023.5	*352.6*	*97.3*	*150.4*
1991	268.5	373.2	91.0	46.3	18.3	147.3	0.8	62.9	366.7	1,008.4	*373.2*	*91.0*	*147.3*
1992	253.3	338.8	86.8	58.7	23.2	146.1	1.1	66.2	382.1	974.1	*338.8*	*86.8*	*146.1*
1993	302.6	386.5	93.3	28.9	20.2	148.1	2.3	59.8	352.6	1,041.7	*386.5*	*93.3*	*148.6*
1994	301.0	415.6	85.5	27.5	11.0	151.1	1.2	70.5	346.7	1,063.2	*415.6*	*85.5*	*151.6*
1995	289.7	367.7	106.1	17.7	13.7	152.6	0.2	63.6	353.8	1,011.3	*367.7*	*106.1*	*153.0*
1996	338.3	360.9	96.4	36.8	11.4	160.9	1.8	64.0	371.4	1,070.7	*360.9*	*96.4*	*161.2*
1997	310.9	338.6	95.3	51.3	12.1	159.5	1.6	54.8	374.6	1,024.1	*338.6*	*95.3*	*159.8*
1998	309.4	325.0	92.7	49.9	12.2	166.2	1.7	54.4	377.1	1,011.5	*325.0*	*92.7*	*166.5*
1999	329.3	302.0	91.1	76.4	19.7	174.0	3.6	55.7	420.5	1,051.8	*302.0*	*91.1*	*174.5*
2000	362.8	314.9	86.4	60.8	18.3	165.7	5.9	52.2	389.4	1,067.0	*314.9*	*86.4*	*165.9*
2001	354.6	273.9	90.5	39.0	12.8	157.4	8.2	69.4	377.2	1,005.8	*273.9*	*90.5*	*157.6*
2002	391.7	307.4	95.2	37.7	12.1	146.1	6.2	64.6	361.9	1,061.0	*307.4*	*95.2*	*148.5*
2003	389.5	284.7	99.5	59.5	18.3	166.6	13.6	61.6	419.2	1,093.3	*284.7*	*99.5*	*170.1*
2004	385.5	260.1	99.8	51.9	17.6	165.0	13.7	64.1	412.1	1,057.7	*260.1*	*99.8*	*165.3*
2005	379.8	258.7	105.6	10.6	10.0	143.6	12.9	59.2	341.9	980.4	*258.7*	*105.6*	*146.2*
2006	364.2	269.3	110.1	7.2	9.9	161.3	3.9	59.3	351.7	985.2	*269.3*	*110.1*	*163.9*
2007	396.3	291.7	112.2	60.8	8.7	159.4	2.9	58.3	402.3	1,090.3	*291.7*	*112.2*	*164.4*
2008	371.8	292.5	116.2	13.8	9.8	150.2	7.7	52.0	349.7	1,014.0	*292.5*	*116.2*	*159.3*
2009	356.1	292.4	R 111.5	13.3	13.9	152.9	2.8	52.0	R 346.5	R 995.0	*292.4*	*112.5*	*161.7*
2010	359.9	280.4	110.0	12.4	10.8	152.3	2.3	60.3	R 348.0	988.4	*280.4*	*110.6*	*161.0*
2011	346.5	285.3	R 106.0	12.0	9.8	146.5	1.7	52.5	R 328.5	R 960.4	*285.3*	*107.4*	*155.3*
2012	307.6	268.1	R 106.5	9.6	10.8	147.2	1.6	53.7	R 329.3	R 904.9	*268.1*	*108.1*	*155.5*
2013	326.8	288.3	R 121.6	11.2	6.4	147.7	1.1	50.7	R 338.7	R 953.8	*288.3*	*125.1*	*156.2*
2014	316.6	291.5	R 136.1	12.1	9.6	149.3	1.1	48.0	R 356.2	R 964.2	*291.5*	*139.8*	*158.7*
2015	273.4	280.4	R 125.9	11.8	7.1	145.2	1.5	49.4	R 340.9	R 894.8	*280.4*	*129.5*	*155.4*
2016	253.1	276.4	R 115.0	9.1	8.6	154.0	3.6	52.0	R 342.4	R 872.0	*276.4*	*119.3*	*164.8*
2017	216.7	279.1	R 117.2	9.1	6.8	147.1	3.8	R 51.5	R 335.3	R 831.2	*279.1*	*121.1*	*157.5*
2018	227.7	321.8	R 125.7	11.3	7.8	144.9	2.2	51.7	R 343.7	R 893.2	*321.8*	*129.6*	*155.1*
2019	197.8	320.0	R 124.2	12.9	R 7.4	151.9	3.1	52.9	R 352.4	R 870.2	*320.0*	*127.9*	*162.7*
2020	193.8	301.4	R 121.2	11.9	6.3	139.7	3.6	51.9	R 334.6	R 829.8	*301.4*	*124.8*	*149.6*
2021	219.0	292.2	120.5	11.2	7.3	141.7	3.1	56.0	338.3	849.4	*292.2*	*122.1*	*151.8*

[a] Supplemental gaseous fuels (SGF) and biofuels are consumed with natural gas and petroleum products. In this table, SGF and biofuels are removed from natural gas and petroleum so that a fossil fuel total can be calculated without double-counting. Biofuels are included in "Renewable Energy."

[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[c] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[d] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT2. Primary Energy Consumption Estimates, Selected Years, 1960-2021, Kansas (Continued)

(Trillion Btu)

Year	Nuclear Electric Power	Renewable Energy											Net Interstate Flow of Electricity [k]	Electricity Net Imports [l]	Total [f]
		Hydro-electric Power [e,f]	Biomass						Geo-thermal [f]	Solar [f,j]	Wind	Total [f]			
			Wood and Waste [f,g]	Fuel Ethanol [h]	Biodiesel	Renewable Diesel	Losses and Co-products [i]	Total [f]							
1960	0.0	0.2	3.9	NA	NA	NA	NA	3.9	0.0	NA	NA	4.1	-14.6	0.0	631.3
1965	0.0	0.1	3.4	NA	NA	NA	NA	3.4	0.0	NA	NA	3.5	-12.8	0.0	723.6
1970	0.0	0.1	3.7	NA	NA	NA	NA	3.7	0.0	NA	NA	3.7	-17.6	0.0	874.3
1971	0.0	0.1	3.9	NA	NA	NA	NA	3.9	0.0	NA	NA	3.9	-18.5	0.0	908.3
1972	0.0	(s)	5.7	NA	NA	NA	NA	5.7	0.0	NA	NA	5.7	-16.9	0.0	961.2
1973	0.0	(s)	6.0	NA	NA	NA	NA	6.0	0.0	NA	NA	6.0	-14.4	0.0	966.3
1974	0.0	0.1	5.8	NA	NA	NA	NA	5.8	0.0	NA	NA	5.9	-18.5	0.0	959.7
1975	0.0	(s)	5.8	NA	NA	NA	NA	5.8	0.0	NA	NA	5.8	-18.0	0.0	924.9
1976	0.0	0.1	6.5	NA	NA	NA	NA	6.5	0.0	NA	NA	6.5	-15.3	0.0	972.5
1977	0.0	(s)	6.8	NA	NA	NA	NA	6.8	0.0	NA	NA	6.9	-21.5	0.0	981.1
1978	0.0	(s)	7.5	NA	NA	NA	NA	7.5	0.0	NA	NA	7.5	-38.6	0.0	1,037.1
1979	0.0	(s)	7.9	NA	NA	NA	NA	7.9	0.0	NA	NA	7.9	-33.7	0.0	1,132.1
1980	0.0	0.1	9.0	NA	NA	NA	NA	9.0	0.0	NA	NA	9.1	-33.2	0.0	1,022.1
1981	0.0	0.1	8.1	0.1	NA	NA	0.2	8.4	0.0	NA	NA	8.5	-31.8	0.0	947.3
1982	0.0	0.1	9.7	0.1	NA	NA	0.6	10.3	0.0	NA	NA	10.4	-15.5	0.0	945.0
1983	0.0	0.1	9.0	0.5	NA	NA	1.1	10.6	0.0	NA	0.0	10.7	-15.0	0.0	917.2
1984	0.0	0.1	11.1	2.1	NA	NA	1.4	14.6	0.0	0.0	(s)	14.7	-41.1	0.0	1,016.6
1985	41.0	0.1	11.5	1.8	NA	NA	1.4	14.8	0.0	0.0	(s)	14.8	-50.2	0.0	1,011.7
1986	73.6	0.1	18.5	1.8	NA	NA	1.5	21.7	0.0	0.0	(s)	21.8	-71.7	0.0	974.2
1987	67.6	0.1	17.6	1.2	NA	NA	1.7	20.4	0.0	0.0	(s)	20.5	-78.5	0.0	1,015.7
1988	70.5	0.1	18.9	1.0	NA	NA	1.7	21.6	0.0	0.0	(s)	21.7	-72.6	0.0	1,069.7
1989	102.8	0.1	15.0	1.0	NA	NA	1.6	17.6	(s)	(s)	(s)	17.7	-95.8	0.0	1,043.0
1990	83.3	0.1	11.8	0.6	NA	NA	1.3	13.7	(s)	(s)	(s)	13.9	-46.3	0.0	1,074.4
1991	61.4	0.1	12.0	0.6	NA	NA	1.5	14.1	0.1	(s)	(s)	14.3	-13.6	0.0	1,070.5
1992	88.9	0.1	12.1	0.6	NA	NA	1.3	14.0	0.1	(s)	(s)	14.2	-19.9	0.0	1,057.4
1993	83.0	0.1	10.9	0.5	NA	NA	1.9	13.3	0.1	(s)	(s)	13.5	-52.3	0.0	1,085.8
1994	89.1	0.1	10.3	0.5	NA	NA	2.1	12.8	0.1	(s)	(s)	13.1	-53.6	0.0	1,111.8
1995	105.7	0.1	10.3	0.4	NA	NA	1.9	12.7	0.1	(s)	(s)	12.9	-51.6	0.0	1,078.4
1996	86.2	0.1	10.5	0.2	NA	NA	0.8	11.5	0.2	(s)	0.0	11.8	-58.9	0.0	1,109.7
1997	88.5	0.1	8.4	0.2	NA	NA	1.3	10.0	0.2	(s)	0.0	10.3	-21.8	(s)	1,101.2
1998	109.2	0.1	7.7	0.3	NA	NA	1.5	9.5	0.2	(s)	0.0	9.9	-41.8	(s)	1,088.8
1999	95.7	0.1	7.9	0.5	NA	NA	1.4	9.7	0.3	(s)	0.0	10.1	-49.3	(s)	1,108.3
2000	94.5	0.2	7.6	0.2	NA	NA	1.6	9.5	0.3	(s)	0.0	9.9	-55.3	0.0	1,116.1
2001	108.1	0.3	8.0	0.2	(s)	NA	1.8	10.0	0.3	(s)	0.4	10.9	-60.8	0.0	1,063.9
2002	94.4	0.1	8.1	2.4	(s)	NA	3.8	14.4	0.3	(s)	4.7	19.6	-75.5	0.0	1,099.5
2003	92.6	0.1	8.3	3.5	(s)	NA	5.9	17.7	0.4	(s)	3.7	21.9	-67.8	0.0	1,140.1
2004	105.7	0.1	8.4	0.3	0.1	NA	6.6	15.4	0.5	(s)	3.6	19.6	-61.7	(s)	1,121.3
2005	92.1	0.1	7.6	2.6	0.2	NA	7.7	18.1	0.5	(s)	4.3	23.0	-28.4	(s)	1,067.0
2006	97.6	0.1	4.7	2.6	0.6	NA	10.0	17.9	0.6	(s)	9.8	28.4	-15.4	0.0	1,095.7
2007	108.8	0.1	5.1	5.0	0.8	NA	13.1	24.0	0.6	(s)	11.4	36.2	-77.8	(s)	1,157.5
2008	88.8	0.1	5.6	9.1	0.6	NA	24.7	40.1	0.7	(s)	17.3	58.2	-41.5	0.0	1,119.5
2009	91.7	0.1	5.7	8.8	0.7	NA	22.6	37.8	0.8	(s)	27.9	66.7	-65.4	(s)	R 1,088.0
2010	99.9	0.1	6.9	8.7	0.6	NA	24.8	41.0	0.9	(s)	33.2	75.3	-53.8	0.0	R 1,109.7
2011	76.6	0.1	8.8	8.8	1.9	0.0	24.7	44.2	1.0	(s)	36.1	81.5	-20.9	0.0	R 1,097.5
2012	86.8	0.1	7.6	8.3	1.9	0.0	21.7	39.5	1.0	(s)	49.4	90.0	-13.7	0.0	R 1,068.1
2013	74.9	0.1	8.5	8.5	3.5	0.0	21.4	41.8	1.0	0.1	90.0	133.0	-65.5	0.0	1,096.2
2014	89.5	0.2	8.5	9.3	3.5	0.0	26.2	47.5	1.0	0.1	103.1	151.8	-72.4	0.0	R 1,133.1
2015	90.3	0.2	7.2	10.2	2.9	0.0	25.9	46.2	1.0	0.1	R 102.4	149.9	R -33.9	0.0	R 1,101.0
2016	86.2	0.3	6.4	10.7	3.9	0.0	26.4	47.5	1.0	0.1	R 130.2	179.1	R -44.7	0.0	R 1,092.5
2017	111.4	0.3	6.2	10.4	3.4	0.0	27.1	47.0	1.0	0.2	171.3	R 219.8	R -87.2	(s)	R 1,075.1
2018	95.9	0.2	8.0	10.1	3.2	0.0	27.9	49.2	1.0	0.3	R 172.0	R 222.8	R -76.0	0.0	R 1,135.8
2019	96.6	0.2	7.7	10.8	2.5	0.0	28.4	49.5	1.0	0.5	R 188.0	R 239.1	R -76.8	0.0	R 1,129.0
2020	110.5	0.3	7.0	9.9	3.3	0.0	28.2	48.3	1.0	1.0	R 210.1	R 260.6	R -131.6	0.0	R 1,069.4
2021	89.6	0.3	6.4	10.1	2.7	0.0	28.0	47.1	1.0	1.1	227.2	276.7	-142.0	0.0	1,073.7

[e] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[h] Excludes denaturant. Because of differences in data sources and estimation methods, the ratio of fuel ethanol consumption and motor gasoline consumption should not be interpreted as the average ethanol blend rate. Pre-2005 estimates are not comparable to those for later years. See Section 5 of Technical Notes.

[i] Losses and co-products from the production of biodiesel and fuel ethanol.

[j] Solar thermal and photovoltaic energy.

[k] Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across state lines. A positive number indicates that more electricity came into the state than went out of the state during the year. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

[l] Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.

NA = Not available.

Where shown, R = Revised data and (s) = Value less than +0.05 and greater than -0.05 trillion Btu.

Notes: Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT3. Total End-Use Sector Energy Consumption Estimates, Selected Years, 1960-2021, Kansas

Year	Coal	Natural Gas [a]	Petroleum							Hydro-electric Power [g,h]	Biomass		Geo-thermal [h]	Solar [h,k]	Electricity [l]	End Use [h,m]	Electrical System Energy Losses [n]	Total [h,m]
			Distillate Fuel Oil [b]	HGL [c]	Jet Fuel [d]	Motor Gasoline [e]	Residual Fuel Oil	Other [f]	Total		Wood and Waste [h,i]	Losses and Co-products [j]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels							Million Kilowatt-hours					Million Kilowatt-hours			
1960	240	279	4,629	5,590	952	23,712	2,161	9,602	46,647	0	– –	– –	– –	– –	7,019	– –	– –	– –
1970	114	408	7,375	8,009	1,561	28,849	743	10,093	56,629	0	– –	– –	– –	– –	13,864	– –	– –	– –
1980	336	387	14,382	8,404	2,466	29,584	1,006	12,696	68,539	0	– –	– –	– –	– –	21,840	– –	– –	– –
1990	157	326	16,567	15,565	3,701	28,626	208	12,171	76,838	0	– –	– –	– –	– –	27,149	– –	– –	– –
2000	145	279	14,580	17,401	3,234	31,894	404	8,446	75,959	0	– –	– –	– –	– –	35,921	– –	– –	– –
2005	205	241	18,012	2,768	1,758	28,162	333	9,620	60,653	0	– –	– –	– –	– –	39,024	– –	– –	– –
2006	237	242	18,847	1,875	1,752	31,603	619	9,633	64,330	0	– –	– –	– –	– –	39,751	– –	– –	– –
2007	241	261	19,297	17,592	1,543	31,979	464	9,130	80,004	0	– –	– –	– –	– –	40,166	– –	– –	– –
2008	162	256	20,013	3,651	1,735	31,204	1,220	8,244	66,067	0	– –	– –	– –	– –	39,965	– –	– –	– –
2009	105	255	19,385	3,541	2,447	31,768	445	8,216	65,801	0	– –	– –	– –	– –	38,243	– –	– –	– –
2010	111	247	19,049	3,229	1,906	31,771	361	9,573	65,888	0	– –	– –	– –	– –	40,421	– –	– –	– –
2011	104	249	18,533	3,117	1,730	30,677	274	8,515	62,846	0	– –	– –	– –	– –	40,760	– –	– –	– –
2012	88	230	18,659	2,503	1,900	30,718	250	8,734	62,763	0	– –	– –	– –	– –	40,293	– –	– –	– –
2013	85	260	21,601	2,925	1,124	30,874	176	8,262	64,961	0	– –	– –	– –	– –	39,847	– –	– –	– –
2014	121	266	24,147	3,143	1,690	31,364	180	7,816	68,341	0	– –	– –	– –	– –	40,562	– –	– –	– –
2015	115	256	22,371	3,074	1,245	30,729	243	8,050	65,711	0	– –	– –	– –	– –	39,849	– –	– –	– –
2016	104	247	20,652	2,368	1,521	32,595	574	8,265	65,976	0	– –	– –	– –	– –	40,810	– –	– –	– –
2017	112	249	20,920	2,363	1,197	31,162	600	R 8,221	R 64,464	0	– –	– –	– –	– –	40,288	– –	– –	– –
2018	117	282	22,380	2,952	1,367	30,685	358	8,234	65,975	0	– –	– –	– –	– –	42,037	– –	– –	– –
2019	80	279	22,033	3,362	R 1,299	32,208	497	R 8,461	R 67,858	0	– –	– –	– –	– –	41,160	– –	– –	– –
2020	56	267	21,506	3,097	R 1,115	29,618	569	R 8,296	R 64,202	0	– –	– –	– –	– –	39,484	– –	– –	– –
2021	57	260	20,817	2,925	1,295	30,057	493	8,941	64,528	0	– –	– –	– –	– –	40,492	– –	– –	– –
			Trillion Btu															
1960	5.4	288.6	27.0	21.4	5.1	124.6	13.6	58.7	250.3	0.0	3.9	NA	NA	NA	23.9	572.1	59.2	631.3
1970	2.4	407.0	43.0	30.4	8.6	151.5	4.7	61.3	299.5	0.0	3.7	NA	NA	NA	47.3	759.8	114.4	874.3
1980	7.2	385.0	83.8	30.4	13.8	155.4	6.3	77.6	367.3	0.0	9.0	NA	NA	NA	74.5	843.1	179.0	1,022.1
1990	3.8	325.5	96.5	54.3	20.7	150.4	1.3	75.0	398.2	0.0	11.8	1.3	(s)	(s)	92.6	833.9	240.5	1,074.4
2000	3.5	281.0	84.8	60.8	18.3	165.9	2.5	52.2	384.7	0.0	7.6	1.6	0.3	(s)	122.6	801.3	314.9	1,116.1
2005	5.0	244.5	104.8	10.6	10.0	146.2	2.1	59.2	332.9	0.0	7.6	7.7	0.5	(s)	133.2	731.5	335.5	1,067.0
2006	5.7	246.5	109.4	7.2	9.9	163.9	3.9	59.3	353.6	0.0	4.7	10.0	0.6	(s)	135.6	757.2	338.5	1,095.7
2007	5.8	265.6	111.6	60.8	8.7	164.4	2.9	56.1	404.6	0.0	5.1	13.1	0.6	(s)	137.0	832.7	324.8	1,157.5
2008	4.0	265.4	115.7	13.8	9.8	159.3	7.7	50.5	356.8	0.0	5.6	24.7	0.7	(s)	136.4	794.3	325.2	1,119.5
2009	2.5	259.9	112.0	13.3	13.9	161.7	2.8	50.5	354.2	0.0	5.7	22.6	0.8	(s)	130.5	776.2	312.0	1,088.2
2010	2.7	252.0	110.0	12.4	10.8	161.0	2.3	59.2	355.7	0.0	6.3	24.8	0.9	(s)	137.9	780.3	329.4	1,109.8
2011	2.5	254.3	106.9	12.0	9.8	155.3	1.7	52.2	337.9	0.0	8.1	24.7	1.0	(s)	139.1	767.6	329.5	1,097.1
2012	2.0	234.9	107.6	9.6	10.8	155.5	1.6	53.7	338.7	0.0	6.9	21.7	1.0	(s)	137.5	742.8	325.0	1,067.8
2013	2.0	264.6	124.5	11.2	6.4	156.2	1.1	50.7	350.1	0.0	7.6	21.4	1.0	0.1	136.0	782.7	313.6	1,096.2
2014	2.9	272.7	139.2	12.1	9.6	158.7	1.1	48.0	368.6	0.0	7.7	26.2	1.0	0.1	138.4	817.5	315.8	1,133.4
2015	2.8	265.2	128.9	11.8	7.1	155.4	1.5	49.4	354.1	0.0	6.4	25.9	1.0	0.1	136.0	791.4	310.3	R 1,101.8
2016	2.3	255.3	118.9	9.1	8.6	164.8	3.6	52.0	357.0	0.0	5.7	26.4	1.0	0.1	139.2	787.0	305.8	R 1,092.9
2017	2.4	257.8	120.4	9.1	6.8	157.5	3.8	R 51.5	349.0	0.0	5.5	27.1	1.0	0.2	137.5	780.6	295.1	1,075.7
2018	2.5	292.6	128.9	11.3	7.8	155.1	2.2	51.7	357.0	0.0	7.3	27.9	1.0	0.3	143.4	832.0	R 304.4	R 1,136.4
2019	1.8	291.2	126.9	12.9	R 7.4	162.7	3.1	52.9	R 365.9	0.0	7.0	28.4	1.0	0.4	140.4	R 836.3	R 293.9	R 1,130.2
2020	1.2	276.7	123.8	11.9	6.3	149.6	3.6	51.9	347.1	0.0	6.2	28.2	1.0	0.4	134.7	795.7	R 274.0	R 1,069.7
2021	1.2	269.1	120.0	11.2	7.3	151.8	3.1	56.0	349.4	0.0	5.7	28.0	1.0	0.6	138.2	793.2	281.0	1,074.2

[a] Includes supplemental gaseous fuels that are commingled with natural gas.

[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil. Excludes biofuels product supplied.

[c] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."

[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.

[f] Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.

[g] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

[h] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

[i] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.

[j] Losses and co-products from the production of biodiesel and fuel ethanol.

[k] Solar thermal and photovoltaic energy.

[l] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.

[m] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by the commercial and industrial sectors. Beginning in 2021, adjusted for the double-counting of biofuels product supplied.

[n] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Total end-use sector consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. · Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2021, Kansas

Year	Coal [a]	Natural Gas [b]	Petroleum				Biomass	Geothermal [e]	Solar [e,f]	Electricity [g]	End Use [e,h]	Electrical System Energy Losses [i]	Total [e,h]
			Distillate Fuel Oil	HGL [c]	Kerosene	Total							
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Wood [d]			Million Kilowatthours			
1960	37	73	53	3,609	303	3,966	– –	– –	– –	2,360	– –	– –	– –
1965	10	87	50	4,179	1,285	5,515	– –	– –	– –	3,251	– –	– –	– –
1970	6	97	53	5,052	116	5,221	– –	– –	– –	5,348	– –	– –	– –
1975	0	98	96	4,778	60	4,934	– –	– –	– –	5,695	– –	– –	– –
1980	1	85	150	2,181	5	2,335	– –	– –	– –	7,189	– –	– –	– –
1985	(s)	78	68	1,538	27	1,633	– –	– –	– –	8,195	– –	– –	– –
1990	(s)	71	28	1,238	11	1,277	– –	– –	– –	9,515	– –	– –	– –
1995	5	76	14	1,538	13	1,565	– –	– –	– –	10,356	– –	– –	– –
2000	1	71	17	2,720	20	2,757	– –	– –	– –	12,528	– –	– –	– –
2005	0	65	4	2,244	10	2,257	– –	– –	– –	13,406	– –	– –	– –
2006	(s)	57	3	1,630	5	1,638	– –	– –	– –	13,503	– –	– –	– –
2007	0	63	2	2,117	2	2,121	– –	– –	– –	13,806	– –	– –	– –
2008	0	70	4	2,744	1	2,749	– –	– –	– –	13,502	– –	– –	– –
2009	0	71	4	2,594	3	2,601	– –	– –	– –	13,149	– –	– –	– –
2010	0	67	3	2,327	2	2,332	– –	– –	– –	14,334	– –	– –	– –
2011	0	65	7	2,147	1	2,156	– –	– –	– –	14,344	– –	– –	– –
2012	0	50	8	1,740	(s)	1,748	– –	– –	– –	13,797	– –	– –	– –
2013	0	68	3	2,023	(s)	2,026	– –	– –	– –	13,593	– –	– –	– –
2014	0	71	1	2,255	1	2,257	– –	– –	– –	13,685	– –	– –	– –
2015	0	58	4	2,127	(s)	2,131	– –	– –	– –	13,242	– –	– –	– –
2016	0	54	1	1,668	9	1,679	– –	– –	– –	13,509	– –	– –	– –
2017	0	54	3	1,592	(s)	1,596	– –	– –	– –	13,013	– –	– –	– –
2018	0	67	2	2,192	1	2,194	– –	– –	– –	14,187	– –	– –	– –
2019	0	68	3	2,441	1	2,444	– –	– –	– –	13,631	– –	– –	– –
2020	0	62	3	2,228	(s)	2,231	– –	– –	– –	13,592	– –	– –	– –
2021	0	60	3	2,008	2	2,013	– –	– –	– –	13,769	– –	– –	– –
							Trillion Btu						
1960	0.8	76.1	0.3	13.9	1.7	15.9	3.1	NA	NA	8.1	104.0	19.9	123.9
1965	0.2	86.4	0.3	16.1	7.3	23.6	2.0	NA	NA	11.1	123.3	26.5	149.8
1970	0.1	97.1	0.3	19.4	0.7	20.4	1.6	NA	NA	18.2	137.5	44.1	181.6
1975	0.0	96.6	0.6	18.4	0.3	19.3	1.9	NA	NA	19.4	137.1	46.6	183.7
1980	(s)	84.8	0.9	8.4	(s)	9.3	8.8	NA	NA	24.5	127.4	58.9	186.3
1985	(s)	78.3	0.4	5.9	0.2	6.5	11.2	NA	NA	28.0	124.0	64.0	188.0
1990	(s)	71.3	0.2	4.8	0.1	5.0	6.3	(s)	(s)	32.5	115.1	84.3	199.4
1995	0.1	76.1	0.1	5.9	0.1	6.1	5.6	(s)	(s)	35.3	123.2	90.3	213.5
2000	(s)	71.1	0.1	10.4	0.1	10.7	4.4	(s)	(s)	42.7	129.1	109.8	238.9
2005	0.0	65.9	(s)	8.6	0.1	8.7	4.0	0.1	(s)	45.7	124.3	115.2	239.6
2006	(s)	58.2	(s)	6.3	(s)	6.3	3.5	0.1	(s)	46.1	114.2	115.0	229.2
2007	0.0	64.2	(s)	8.1	(s)	8.2	3.9	0.1	(s)	47.1	123.5	111.6	235.1
2008	0.0	72.9	(s)	10.5	(s)	10.6	4.4	0.1	(s)	46.1	134.0	109.9	243.8
2009	0.0	72.5	(s)	10.0	(s)	10.0	4.5	0.1	(s)	44.9	132.0	107.3	239.3
2010	0.0	68.4	(s)	8.9	(s)	9.0	4.8	0.2	(s)	48.9	131.3	116.8	248.1
2011	0.0	66.8	(s)	8.2	(s)	8.3	4.7	0.6	(s)	48.9	129.4	115.9	245.3
2012	0.0	51.6	(s)	6.7	(s)	6.7	3.9	0.3	(s)	47.1	109.7	111.3	221.0
2013	0.0	69.3	(s)	7.8	(s)	7.8	5.1	0.3	(s)	46.4	128.9	107.0	235.8
2014	0.0	72.8	(s)	8.7	(s)	8.7	5.2	0.3	(s)	46.7	133.7	106.6	240.3
2015	0.0	60.4	(s)	8.2	(s)	8.2	3.8	0.3	0.1	45.2	118.0	103.1	221.1
2016	0.0	55.9	(s)	6.4	0.1	6.5	3.3	0.3	0.1	46.1	112.1	101.2	213.4
2017	0.0	56.3	(s)	6.1	(s)	6.1	2.9	0.3	0.1	44.4	110.2	95.3	205.5
2018	0.0	69.7	(s)	8.4	(s)	8.4	4.2	0.3	0.2	48.4	131.2	102.7	233.9
2019	0.0	71.1	(s)	9.4	(s)	9.4	4.1	0.3	0.2	46.5	131.6	R 97.3	R 228.9
2020	0.0	64.5	(s)	8.6	(s)	8.6	3.4	0.3	0.3	46.4	123.4	94.3	217.7
2021	0.0	62.3	(s)	7.7	(s)	7.7	2.7	0.3	0.4	47.0	120.4	95.6	215.9

[a] Beginning in 2008, data are no longer collected and are assumed to be zero.
[b] Includes supplemental gaseous fuels that are commingled with natural gas.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] Wood and wood-derived fuels.
[e] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[f] Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.
[g] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[h] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT5. Commercial Sector Energy Consumption Estimates, Selected Years, 1960-2021, Kansas

Year	Coal	Natural Gas [a]	Petroleum						Hydro-electric Power [e,f]	Biomass		Solar [f,h]	Electricity [i]	End Use [f,j]	Electrical System Energy Losses [k]	Total [f,j]
			Distillate Fuel Oil	HGL [b]	Kerosene	Motor Gasoline [c]	Residual Fuel Oil	Total [d]		Wood and Waste [f,g]	Geothermal [f]					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million Kilowatthours			Million Kilowatthours				
1960	25	41	115	446	87	179	47	874	NA	– –	– –	NA	1,727	– –	– –	– –
1965	7	38	109	517	367	204	19	1,215	NA	– –	– –	NA	2,597	– –	– –	– –
1970	4	53	115	624	33	215	34	1,022	NA	– –	– –	NA	3,967	– –	– –	– –
1975	0	52	209	591	17	268	36	1,121	NA	– –	– –	NA	5,614	– –	– –	– –
1980	4	59	360	270	10	279	0	918	NA	– –	– –	NA	6,806	– –	– –	– –
1985	1	57	725	190	10	177	0	1,102	NA	– –	– –	NA	8,174	– –	– –	– –
1990	(s)	56	329	153	6	162	27	677	0	– –	– –	0	9,547	– –	– –	– –
1995	33	53	562	190	6	74	12	844	0	– –	– –	0	10,645	– –	– –	– –
2000	10	40	571	336	5	85	3	1,001	0	– –	– –	0	13,171	– –	– –	– –
2005	0	30	244	294	14	74	0	627	0	– –	– –	0	14,453	– –	– –	– –
2006	(s)	28	290	138	9	131	0	567	0	– –	– –	0	14,786	– –	– –	– –
2007	0	31	267	267	4	74	0	611	0	– –	– –	0	15,474	– –	– –	– –
2008	0	34	301	462	2	62	0	826	0	– –	– –	0	15,496	– –	– –	– –
2009	0	33	309	401	2	75	(s)	787	0	– –	– –	0	15,007	– –	– –	– –
2010	0	32	245	484	2	76	(s)	807	0	– –	– –	(s)	15,436	– –	– –	– –
2011	0	32	279	315	1	54	(s)	649	0	– –	– –	(s)	15,609	– –	– –	– –
2012	0	25	374	217	1	96	0	687	0	– –	– –	1	15,456	– –	– –	– –
2013	0	33	328	292	1	35	0	656	0	– –	– –	2	15,245	– –	– –	– –
2014	0	36	331	444	1	70	0	846	0	– –	– –	2	15,383	– –	– –	– –
2015	0	37	405	393	(s)	637	0	1,436	0	– –	– –	2	15,380	– –	– –	– –
2016	0	35	448	308	(s)	617	0	1,373	0	– –	– –	2	15,887	– –	– –	– –
2017	0	35	517	309	(s)	599	0	1,425	0	– –	– –	5	15,739	– –	– –	– –
2018	0	40	378	225	(s)	594	0	1,198	0	– –	– –	10	16,169	– –	– –	– –
2019	0	41	323	346	1	599	0	1,268	0	– –	– –	15	15,916	– –	– –	– –
2020	0	40	399	435	1	603	0	1,438	0	– –	– –	19	14,843	– –	– –	– –
2021	0	41	337	408	(s)	609	0	1,355	0	– –	– –	22	15,356	– –	– –	– –
			Trillion Btu													
1960	0.6	42.6	0.7	1.7	0.5	0.9	0.3	4.1	NA	0.1	NA	NA	5.9	53.2	14.6	67.8
1965	0.2	38.3	0.6	2.0	2.1	1.1	0.1	5.9	NA	(s)	NA	NA	8.9	53.2	21.2	74.4
1970	0.1	52.5	0.7	2.4	0.2	1.1	0.2	4.6	NA	(s)	NA	NA	13.5	70.8	32.7	103.5
1975	0.0	50.8	1.2	2.3	0.1	1.4	0.2	5.2	NA	(s)	NA	NA	19.2	75.2	45.9	121.1
1980	0.1	58.5	2.1	1.0	0.1	1.5	0.0	4.7	NA	0.2	NA	NA	23.2	86.7	55.8	142.5
1985	(s)	56.5	4.2	0.7	0.1	0.9	0.0	5.9	NA	0.3	NA	NA	27.9	90.6	63.9	154.5
1990	(s)	56.0	1.9	0.6	(s)	0.9	0.2	3.6	0.0	0.7	(s)	0.0	32.6	92.9	84.6	177.4
1995	0.8	53.3	3.3	0.7	(s)	0.4	0.1	4.5	0.0	0.8	0.1	0.0	36.3	95.8	92.8	188.6
2000	0.2	40.6	3.3	1.3	(s)	0.4	(s)	5.1	0.0	0.7	0.2	0.0	44.9	91.8	115.4	207.3
2005	0.0	30.0	1.4	1.1	0.1	0.4	0.0	3.0	0.0	0.6	0.5	0.0	49.3	83.5	124.3	207.7
2006	(s)	28.0	1.7	0.5	(s)	0.7	0.0	2.9	0.0	0.6	0.5	0.0	50.5	82.5	125.9	208.4
2007	0.0	31.1	1.5	1.0	(s)	0.4	0.0	3.0	0.0	0.6	0.5	0.0	52.8	88.0	125.1	213.1
2008	0.0	34.7	1.7	1.8	(s)	0.3	0.0	3.8	0.0	0.7	0.6	0.0	52.9	92.7	126.1	218.8
2009	0.0	33.2	1.8	1.5	(s)	0.4	(s)	3.7	0.0	0.6	0.7	0.0	51.2	89.4	122.4	211.8
2010	0.0	32.4	1.4	1.9	(s)	0.4	(s)	3.7	0.0	0.6	0.8	(s)	52.7	90.1	125.8	215.9
2011	0.0	32.8	1.6	1.2	(s)	0.3	(s)	3.1	0.0	0.6	0.4	(s)	53.3	90.2	126.2	216.3
2012	0.0	26.0	2.2	0.8	(s)	0.5	0.0	3.5	0.0	0.5	0.7	(s)	52.7	83.4	124.7	208.1
2013	0.0	33.8	1.9	1.1	(s)	0.2	0.0	3.2	0.0	0.6	0.7	(s)	52.0	90.3	120.0	210.3
2014	0.0	37.0	1.9	1.7	(s)	0.4	0.0	4.0	0.0	0.6	0.7	(s)	52.5	94.8	119.8	214.6
2015	0.0	38.3	2.3	1.5	(s)	3.2	0.0	7.1	0.0	0.6	0.7	(s)	52.5	99.1	119.8	218.9
2016	0.0	35.9	2.6	1.2	(s)	3.1	0.0	6.9	0.0	0.6	0.7	(s)	54.2	98.3	R 119.1	R 217.4
2017	0.0	35.8	3.0	1.2	(s)	3.0	0.0	7.2	0.0	0.5	0.7	0.1	53.7	98.1	115.3	213.4
2018	0.0	41.8	2.2	0.9	(s)	3.0	0.0	6.0	0.0	0.6	0.7	0.1	55.2	104.5	R 117.1	R 221.6
2019	0.0	43.1	1.9	1.3	(s)	3.0	0.0	6.2	0.0	0.6	0.7	0.1	54.3	105.2	R 113.7	R 218.8
2020	0.0	41.2	2.3	1.7	(s)	3.0	0.0	7.0	0.0	0.6	0.7	0.2	50.6	100.5	R 103.0	R 203.5
2021	0.0	42.5	1.9	1.6	(s)	3.1	0.0	6.6	0.0	0.5	0.7	0.2	52.4	102.9	106.6	209.5

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, assumed to be propane only.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
[d] Includes small amounts of petroleum coke not shown separately.
[e] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[i] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[j] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by commercial utility-scale facilities.
[k] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. · The commercial sector includes commercial combined-heat-and-power (CHP) and commercial electricity-only plants. · The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT6. Industrial Sector Energy Consumption Estimates, Selected Years, 1960-2021, Kansas

Year	Coal	Natural Gas [a]	Petroleum						Hydro-electric Power [e,f]	Biomass		Geo-thermal [f]	Solar [f,i]	Electricity [j]	End Use [f,k]	Electrical System Energy Losses [l]	Total [f,k]
			Distillate Fuel Oil	HGL [b]	Motor Gasoline [c]	Residual Fuel Oil	Other [d]	Total		Wood and Waste [f,g]	Losses and Co-products [h]						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Million kWh				Million kWh				
1960	175	121	1,405	1,321	4,557	1,924	8,535	17,742	0	– –	– –	– –	NA	2,932	– –	– –	– –
1965	148	155	1,553	1,530	3,535	755	9,711	17,084	0	– –	– –	– –	NA	3,902	– –	– –	– –
1970	103	184	2,515	1,985	2,777	701	9,170	17,149	0	– –	– –	– –	NA	4,548	– –	– –	– –
1975	134	152	3,532	3,125	2,406	2,178	10,702	21,943	0	– –	– –	– –	NA	6,214	– –	– –	– –
1980	331	191	3,476	5,844	1,198	1,004	11,857	23,379	0	– –	– –	– –	NA	7,845	– –	– –	– –
1985	363	161	4,058	22,687	1,064	66	6,855	34,729	0	– –	– –	– –	NA	7,167	– –	– –	– –
1990	157	158	4,545	14,032	765	181	11,399	30,922	0	– –	– –	– –	0	8,087	– –	– –	– –
1995	138	175	4,818	3,140	995	18	9,415	18,386	0	– –	– –	– –	0	9,356	– –	– –	– –
2000	134	139	4,478	14,315	716	401	7,577	27,486	0	– –	– –	– –	0	10,222	– –	– –	– –
2001	165	116	4,902	8,865	969	317	10,358	25,411	0	– –	– –	– –	0	10,569	– –	– –	– –
2002	178	138	4,470	7,962	1,017	172	9,677	23,299	0	– –	– –	– –	0	10,195	– –	– –	– –
2003	158	125	4,947	14,062	1,094	624	9,324	30,051	0	– –	– –	– –	0	10,382	– –	– –	– –
2004	203	116	5,402	12,142	1,289	667	9,601	29,101	0	– –	– –	– –	0	10,879	– –	– –	– –
2005	205	118	4,936	153	1,195	333	8,852	15,469	0	– –	– –	– –	0	11,165	– –	– –	– –
2006	237	132	5,498	66	1,275	619	8,885	16,343	0	– –	– –	– –	0	11,462	– –	– –	– –
2007	241	143	4,901	15,167	1,020	464	8,424	29,977	0	– –	– –	– –	0	10,885	– –	– –	– –
2008	162	129	5,480	375	800	1,220	7,561	15,436	0	– –	– –	– –	0	10,967	– –	– –	– –
2009	105	125	4,616	477	814	444	7,632	13,984	0	– –	– –	– –	0	10,087	– –	– –	– –
2010	111	124	5,084	403	626	361	9,114	15,588	0	– –	– –	– –	0	10,651	– –	– –	– –
2011	104	128	4,556	646	627	274	8,097	R 14,199	0	– –	– –	– –	0	10,807	– –	– –	– –
2012	88	134	4,470	538	556	250	8,415	14,228	0	– –	– –	– –	0	11,041	– –	– –	– –
2013	85	136	4,409	R 598	539	176	7,922	R 13,644	0	– –	– –	– –	0	11,009	– –	– –	– –
2014	121	135	4,850	R 431	407	180	7,460	R 13,329	0	– –	– –	– –	0	11,494	– –	– –	– –
2015	115	140	4,658	R 537	878	243	7,681	R 13,998	0	– –	– –	– –	0	11,227	– –	– –	– –
2016	104	140	4,926	R 375	999	574	7,922	R 14,796	0	– –	– –	– –	0	11,414	– –	– –	– –
2017	112	141	5,030	R 450	1,005	600	R 7,921	R 15,006	0	– –	– –	– –	0	11,535	– –	– –	– –
2018	117	145	5,388	R 390	1,007	358	7,934	R 15,077	0	– –	– –	– –	0	11,681	– –	– –	– –
2019	80	143	4,780	R 537	948	497	R 8,160	R 14,921	0	– –	– –	– –	0	11,613	– –	– –	– –
2020	56	146	5,786	R 409	954	569	R 8,027	R 15,745	0	– –	– –	– –	0	11,048	– –	– –	– –
2021	57	145	4,909	451	936	493	8,377	15,167	0	– –	– –	– –	(s)	11,366	– –	– –	– –
			Trillion Btu														
1960	4.0	125.7	8.2	5.0	23.9	12.1	52.5	101.7	0.0	0.7	NA	NA	NA	10.0	242.0	24.7	266.8
1965	3.3	154.3	9.0	5.8	18.6	4.7	60.1	98.3	0.0	1.3	NA	NA	NA	13.3	270.5	31.8	302.3
1970	2.2	184.1	14.7	7.2	14.6	4.4	56.1	97.0	0.0	2.0	NA	NA	NA	15.5	300.9	37.5	338.4
1975	2.7	148.8	20.6	11.0	12.6	13.7	65.5	123.5	0.0	3.9	NA	NA	NA	21.2	300.1	50.9	350.9
1980	7.1	189.7	20.2	20.6	6.3	6.3	72.7	126.2	0.0	0.0	NA	NA	NA	26.8	349.8	64.3	414.1
1985	7.8	161.3	23.6	77.6	5.6	0.4	42.7	149.9	0.0	0.0	1.4	NA	NA	24.5	345.0	56.0	401.0
1990	3.8	157.7	26.5	48.4	4.0	1.1	70.5	150.5	0.0	4.7	1.3	0.0	0.0	27.6	345.6	71.6	417.3
1995	3.3	176.0	28.0	10.9	5.2	0.1	59.1	103.3	0.0	4.0	1.9	0.0	0.0	31.9	320.6	81.6	402.1
2000	3.2	139.7	26.1	49.0	3.7	2.5	47.2	128.5	0.0	2.5	1.6	0.0	0.0	34.9	310.4	89.6	400.0
2001	3.9	116.4	28.5	30.4	5.0	2.0	64.8	130.7	0.0	2.9	1.8	0.0	0.0	36.1	291.6	90.6	382.2
2002	4.3	139.0	26.0	27.3	5.3	1.1	60.4	120.1	0.0	2.9	3.8	0.0	0.0	34.8	304.8	86.9	391.8
2003	3.8	126.9	28.8	48.5	5.7	3.9	57.8	144.7	0.0	2.8	5.9	0.0	0.0	35.4	319.6	88.7	408.3
2004	5.0	117.4	31.4	41.7	6.7	4.2	60.2	144.2	0.0	2.8	6.6	0.0	0.0	37.1	313.1	94.4	407.5
2005	5.0	119.4	28.7	0.5	6.2	2.1	54.8	92.4	0.0	3.0	7.7	0.0	0.0	38.1	265.5	96.0	361.5
2006	5.7	134.7	31.9	0.2	6.6	3.9	55.0	97.7	0.0	0.6	10.0	0.0	0.0	39.1	287.8	97.6	385.4
2007	5.8	145.1	28.3	51.4	5.2	2.9	52.0	140.0	0.0	0.6	13.1	0.0	0.0	37.1	341.7	88.0	429.7
2008	4.0	133.4	31.7	1.3	4.1	7.7	46.5	91.2	0.0	0.6	24.7	0.0	0.0	37.4	291.3	89.2	380.6
2009	2.5	127.3	26.7	1.6	4.1	2.8	47.1	82.3	0.0	0.6	22.6	0.0	0.0	34.4	269.7	82.3	351.9
2010	2.7	126.4	29.4	1.5	3.2	2.3	56.6	92.9	0.0	0.8	24.8	0.0	0.0	36.3	284.0	86.8	370.8
2011	2.5	131.0	26.3	2.5	3.2	1.7	49.8	83.4	0.0	2.8	24.7	0.0	0.0	36.9	281.3	87.4	368.6
2012	2.0	137.0	25.8	2.1	2.8	1.6	51.8	84.0	0.0	2.5	21.7	0.0	0.0	37.7	284.9	89.1	374.0
2013	2.0	138.5	25.4	2.3	2.7	1.1	48.7	80.2	0.0	1.9	21.4	0.0	0.0	37.6	281.6	86.6	368.2
2014	2.9	138.0	28.0	1.7	2.1	1.1	45.9	78.7	0.0	1.9	26.2	0.0	0.0	39.2	286.9	89.5	376.4
2015	2.8	144.6	26.8	2.1	4.4	1.5	47.3	82.1	0.0	2.0	25.9	0.0	0.0	38.3	295.7	87.4	383.2
2016	2.3	144.3	28.4	R 1.4	5.1	3.6	50.0	88.5	0.0	1.8	26.4	0.0	0.0	38.9	302.2	85.5	387.8
2017	2.4	145.4	29.0	1.7	5.1	3.8	49.7	89.2	0.0	2.1	27.1	0.0	0.0	39.4	305.5	84.5	390.0
2018	2.5	150.4	31.0	R 1.5	5.1	2.2	49.9	R 89.8	0.0	2.5	27.9	0.0	0.0	39.9	R 312.9	R 84.6	R 397.5
2019	1.8	149.0	27.5	2.1	4.8	3.1	51.2	88.7	0.0	2.3	28.4	0.0	0.0	39.6	R 309.8	82.9	R 392.8
2020	1.2	150.6	33.3	1.6	4.8	3.6	50.3	R 93.6	0.0	2.2	28.2	0.0	0.0	37.7	R 313.5	R 76.7	390.2
2021	1.2	149.9	28.3	1.7	4.7	3.1	52.8	90.7	0.0	2.5	28.0	0.0	(s)	38.8	311.0	78.9	389.9

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.
[c] Beginning in 1993, includes fuel ethanol blended into motor gasoline. There is a discontinuity in this time series between 2014 and 2015 because of coverage. See Technical Notes, Section 4.
[d] Includes asphalt and road oil, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.
[e] Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[h] Losses and co-products from the production of biodiesel and fuel ethanol.
[i] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[j] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[k] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in End Use and Total. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 2009, includes a small amount of wind energy consumed by industrial utility-scale facilities.
[l] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

kWh = Kilowatthours. – – = Not applicable. NA = Not available.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. · The industrial sector includes industrial combined-heat-and-power (CHP) and industrial electricity-only plants. · The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT7. Transportation Sector Energy Consumption Estimates, Selected Years, 1960-2021, Kansas

Year	Coal	Natural Gas [a]	Petroleum								Electricity [f]	End Use [g,h]	Electrical System Energy Losses [i]	Total [g,h]
			Aviation Gasoline	Distillate Fuel Oil [b]	HGL [c]	Jet Fuel [d]	Lubricants	Motor Gasoline [e]	Residual Fuel Oil	Total				
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Million Kilowatthours			
1960	3	43	170	3,056	215	952	507	18,976	190	24,065	0	– –	– –	– –
1965	(s)	50	493	3,473	295	1,053	467	21,786	137	27,704	0	– –	– –	– –
1970	(s)	73	326	4,691	348	1,561	448	25,857	8	33,238	0	– –	– –	– –
1975	(s)	69	177	5,898	364	1,310	520	29,331	17	37,615	0	– –	– –	– –
1980	0	52	221	10,397	110	2,466	603	28,107	2	41,906	0	– –	– –	– –
1985	0	38	137	9,856	95	4,424	549	26,968	0	42,031	0	– –	– –	– –
1990	0	41	136	11,665	142	3,701	618	27,700	0	43,962	0	– –	– –	– –
1995	0	35	146	12,678	56	2,414	589	28,333	0	44,217	0	– –	– –	– –
2000	0	29	215	9,513	30	3,234	630	31,094	0	44,715	0	– –	– –	– –
2005	0	29	214	12,827	77	1,758	531	26,893	0	42,300	0	– –	– –	– –
2006	0	25	218	13,056	40	1,752	517	30,198	0	45,782	0	– –	– –	– –
2007	0	25	165	14,127	41	1,543	534	30,885	0	47,295	0	– –	– –	– –
2008	0	24	184	14,228	70	1,735	496	30,343	0	47,056	0	– –	– –	– –
2009	0	26	134	14,455	69	2,447	446	30,879	0	48,429	0	– –	– –	– –
2010	0	24	175	13,717	15	1,906	280	31,069	0	47,161	0	– –	– –	– –
2011	0	23	153	13,691	R 10	1,730	262	29,996	0	R 45,843	0	– –	– –	– –
2012	0	20	72	13,808	8	1,900	246	30,067	0	R 46,101	0	– –	– –	– –
2013	0	23	63	16,861	R 12	1,124	276	30,299	0	R 48,635	0	– –	– –	– –
2014	0	24	58	18,965	R 13	1,690	296	30,887	0	R 51,909	0	– –	– –	– –
2015	0	21	64	17,304	R 16	1,245	305	29,213	0	R 48,146	0	– –	– –	– –
2016	0	19	59	15,277	R 18	1,521	274	30,979	0	R 48,128	0	– –	– –	– –
2017	0	20	56	15,370	R 11	1,197	244	29,559	0	R 46,438	0	– –	– –	– –
2018	0	30	60	16,612	R 144	1,367	239	29,084	0	R 47,506	0	– –	– –	– –
2019	0	27	61	16,927	R 39	R 1,299	239	30,661	0	R 49,225	0	– –	– –	– –
2020	0	20	52	15,319	R 24	R 1,115	217	28,062	0	R 44,788	0	– –	– –	– –
2021	0	14	58	15,567	57	1,295	216	28,512	0	45,994	0	– –	– –	– –
			Trillion Btu											
1960	0.1	44.3	0.9	17.8	0.8	5.1	3.1	99.7	1.2	128.5	0.0	172.9	0.0	172.9
1965	(s)	49.5	2.5	20.2	1.1	5.7	2.8	114.4	0.9	147.7	0.0	197.1	0.0	197.1
1970	(s)	73.2	1.6	27.3	1.3	8.6	2.7	135.8	0.1	177.5	0.0	250.7	0.0	250.7
1975	(s)	68.0	0.9	34.4	1.4	7.2	3.2	154.1	0.1	201.2	0.0	269.1	0.0	269.1
1980	0.0	52.0	1.1	60.6	0.4	13.8	3.7	147.6	(s)	227.2	0.0	279.2	0.0	279.2
1985	0.0	38.1	0.7	57.4	0.4	24.8	3.3	141.7	0.0	228.3	0.0	268.2	0.0	268.2
1990	0.0	40.6	0.7	67.9	0.5	20.7	3.7	145.5	0.0	239.2	0.0	280.3	0.0	280.3
1995	0.0	34.7	0.7	73.8	0.2	13.7	3.6	147.4	0.0	239.4	0.0	274.2	0.0	274.2
2000	0.0	29.6	1.1	55.4	0.1	18.3	3.8	161.7	0.0	240.4	0.0	270.0	0.0	270.0
2005	0.0	29.2	1.1	74.6	0.3	10.0	3.2	139.6	0.0	228.8	0.0	258.2	0.0	258.2
2006	0.0	25.5	1.1	75.8	0.2	9.9	3.1	156.6	0.0	246.7	0.0	272.8	0.0	272.8
2007	0.0	25.2	0.8	81.7	0.2	8.7	3.2	158.8	0.0	253.5	0.0	279.5	0.0	279.5
2008	0.0	24.4	0.9	82.2	0.3	9.8	3.0	154.9	0.0	251.2	0.0	276.3	0.0	276.3
2009	0.0	27.0	0.7	83.5	0.3	13.9	2.7	157.2	0.0	258.2	0.0	285.2	0.0	285.2
2010	0.0	24.8	0.9	79.2	0.1	10.8	1.7	157.4	0.0	250.1	0.0	274.9	0.0	274.9
2011	0.0	23.7	0.8	79.0	(s)	9.8	1.6	151.9	0.0	243.1	0.0	266.8	0.0	266.8
2012	0.0	20.3	0.4	79.6	(s)	10.8	1.5	152.2	0.0	244.5	0.0	264.8	0.0	264.8
2013	0.0	23.0	0.3	97.2	(s)	6.4	1.7	153.3	0.0	258.9	0.0	281.9	0.0	281.9
2014	0.0	24.8	0.3	109.3	(s)	9.6	1.8	156.3	0.0	277.3	0.0	302.1	0.0	302.1
2015	0.0	21.9	0.3	99.7	R 0.1	7.1	1.8	147.7	0.0	256.7	0.0	278.6	0.0	278.6
2016	0.0	19.2	0.3	88.0	0.1	8.6	1.7	156.6	0.0	255.2	0.0	R 274.4	0.0	R 274.4
2017	0.0	20.4	0.3	88.5	(s)	6.8	1.5	149.4	0.0	246.4	0.0	266.8	0.0	266.8
2018	0.0	30.7	0.3	95.7	R 0.6	7.8	1.5	147.0	0.0	R 252.7	0.0	R 283.4	0.0	R 283.4
2019	0.0	28.0	0.3	97.5	0.1	R 7.4	1.4	154.9	0.0	R 261.7	0.0	R 289.7	0.0	R 289.7
2020	0.0	20.4	0.3	88.2	R 0.1	6.3	1.3	141.8	0.0	R 237.9	0.0	258.3	0.0	258.3
2021	0.0	14.4	0.3	89.7	0.2	7.3	1.3	144.0	0.0	244.4	0.0	258.9	0.0	258.9

[a] Transportation use of natural gas to operate pipelines and, since 1990, also includes vehicle fuel.
[b] Beginning in 2009, includes biodiesel blended into distillate fuel oil. Beginning in 2011, includes renewable diesel blended into distillate fuel oil.
[c] Hydrocarbon gas liquids, assumed to be propane only.
[d] Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Industrial sector, Other Petroleum."
[e] Beginning in 1993, includes fuel ethanol blended into motor gasoline.
[f] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers. Sales to public railroads and railway systems only. Excludes electric vehicles.
[g] There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.
[h] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[i] Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

– – = Not applicable.
Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.
Notes: Totals may not equal sum of components due to independent rounding. · The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.
Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.
Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/

Table CT8. Electric Power Sector Consumption Estimates, Selected Years, 1960-2021, Kansas

Year	Coal	Natural Gas [a]	Petroleum				Nuclear Electric Power	Hydroelectric Power [d]	Biomass	Geothermal [f]	Solar [f,g]	Wind [f]	Electricity Net Imports [h]	Total [f,i]
			Distillate Fuel Oil [b]	Petroleum Coke	Residual Fuel Oil [c]	Total			Wood and Waste [e,f]					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours			Million Kilowatthours				
1960	435	82	110	0	241	351	0	20	– –	0	NA	NA	0	– –
1965	478	113	71	0	156	226	0	13	– –	0	NA	NA	0	– –
1970	344	168	175	0	385	560	0	7	– –	0	NA	NA	0	– –
1975	2,983	128	1,539	4	4,134	5,676	0	5	– –	0	NA	NA	0	– –
1980	10,034	101	382	0	492	875	0	8	– –	0	NA	NA	0	– –
1985	14,351	21	195	0	20	215	3,856	9	– –	0	0	(s)	0	– –
1990	15,018	27	130	0	22	152	7,874	13	– –	0	0	(s)	0	– –
1995	16,345	28	150	0	1	151	10,062	11	– –	0	0	(s)	0	– –
2000	20,699	34	269	0	533	803	9,061	15	– –	0	0	0	0	– –
2005	22,046	14	135	0	1,722	1,857	8,821	11	– –	0	0	426	(s)	– –
2006	20,874	22	122	0	0	122	9,350	10	– –	0	0	992	0	– –
2007	22,780	26	94	376	0	470	10,369	11	– –	0	0	1,153	(s)	– –
2008	21,616	27	91	258	0	349	8,497	11	– –	0	0	1,759	0	– –
2009	20,783	32	86	268	0	353	8,769	13	– –	0	0	2,863	(s)	– –
2010	20,965	28	98	199	0	296	9,556	13	– –	0	0	3,405	0	– –
2011	20,129	31	86	66	0	152	7,319	15	– –	0	0	3,720	0	– –
2012	17,759	33	78	0	0	78	8,285	10	– –	0	0	5,195	0	– –
2013	18,915	23	109	0	0	109	7,168	15	– –	0	0	9,433	0	– –
2014	18,199	18	116	0	0	116	8,558	16	– –	0	0	10,845	0	– –
2015	15,851	15	110	0	0	110	8,630	19	– –	0	2	10,999	0	– –
2016	14,587	20	66	0	0	66	8,246	31	– –	0	2	14,111	0	– –
2017	12,542	21	121	0	0	121	10,648	29	– –	0	5	18,583	(s)	– –
2018	13,176	28	118	0	0	118	9,168	26	– –	0	8	18,892	0	– –
2019	11,535	28	175	0	0	175	9,248	20	– –	0	11	21,107	0	– –
2020	11,263	24	177	0	0	177	10,582	32	– –	0	58	23,948	0	– –
2021	12,595	23	363	0	0	363	8,575	30	– –	0	61	25,675	0	– –
							Trillion Btu							
1960	10.3	85.1	0.6	0.0	1.5	2.2	0.0	0.2	0.0	0.0	NA	NA	0.0	97.8
1965	11.6	112.4	0.4	0.0	1.0	1.4	0.0	0.1	0.0	0.0	NA	NA	0.0	125.5
1970	8.3	167.5	1.0	0.0	2.4	3.4	0.0	0.1	0.0	0.0	NA	NA	0.0	179.4
1975	59.5	126.7	9.0	(s)	26.0	35.0	0.0	(s)	0.0	0.0	NA	NA	0.0	221.2
1980	184.3	97.0	2.2	0.0	3.1	5.3	0.0	0.1	0.0	0.0	NA	NA	0.0	286.7
1985	251.7	20.5	1.1	0.0	0.1	1.3	41.0	0.1	0.0	0.0	0.0	(s)	0.0	314.5
1990	267.9	27.1	0.8	0.0	0.1	0.9	83.3	0.1	0.0	0.0	0.0	(s)	0.0	379.4
1995	285.5	27.6	0.9	0.0	(s)	0.9	105.7	0.1	0.0	0.0	0.0	(s)	0.0	419.8
2000	359.3	33.9	1.6	0.0	3.4	4.9	94.5	0.2	0.0	0.0	0.0	0.0	0.0	492.8
2005	374.8	14.2	0.8	0.0	10.8	11.6	92.1	0.1	0.0	0.0	0.0	4.3	(s)	497.1
2006	358.5	22.8	0.7	0.0	0.0	0.7	97.6	0.1	0.0	0.0	0.0	9.8	0.0	489.6
2007	390.6	26.1	0.5	2.2	0.0	2.7	108.8	0.1	0.0	0.0	0.0	11.4	(s)	539.6
2008	367.8	27.1	0.5	1.5	0.0	2.0	88.8	0.1	0.0	0.0	0.0	17.3	0.0	503.1
2009	353.6	32.5	0.5	1.5	0.0	2.0	91.7	0.1	0.0	0.0	0.0	27.9	(s)	507.9
2010	357.3	28.4	0.6	1.1	0.0	1.7	99.9	0.1	0.6	0.0	0.0	33.2	0.0	521.1
2011	344.0	31.0	0.5	0.4	0.0	0.9	76.6	0.1	0.7	0.0	0.0	36.1	0.0	489.5
2012	305.6	33.2	0.5	0.0	0.0	0.5	86.8	0.1	0.6	0.0	0.0	49.4	0.0	476.2
2013	324.8	23.7	0.6	0.0	0.0	0.6	74.9	0.1	0.9	0.0	0.0	90.0	0.0	515.0
2014	313.6	18.8	0.7	0.0	0.0	0.7	89.5	0.2	0.8	0.0	0.0	103.1	0.0	526.7
2015	270.7	15.3	0.6	0.0	0.0	0.6	90.3	0.2	0.7	0.0	(s)	R 102.4	0.0	480.2
2016	250.8	21.1	0.4	0.0	0.0	0.4	86.2	0.3	0.7	0.0	(s)	R 130.2	0.0	R 489.8
2017	214.3	21.3	0.7	0.0	0.0	0.7	111.4	0.3	0.7	0.0	(s)	R 171.1	(s)	R 519.8
2018	225.1	29.2	0.7	0.0	0.0	0.7	95.9	0.2	0.8	0.0	0.1	R 171.9	0.0	R 523.8
2019	196.0	28.8	1.0	0.0	0.0	1.0	96.6	0.2	0.7	0.0	0.1	R 187.8	0.0	R 511.1
2020	192.6	24.7	1.0	0.0	0.0	1.0	110.5	0.3	0.8	0.0	0.5	R 210.0	0.0	R 540.3
2021	217.8	23.1	2.1	0.0	0.0	2.1	89.6	0.3	0.7	0.0	0.5	227.1	0.0	561.1

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. For 1980 through 2000, distillate fuel oil includes fuel oil Nos. 1 and 2, and small amounts of kerosene and jet fuel.
[c] Prior to 1980, based on oil used in steam plants. For 1980 through 2000, residual fuel oil includes fuel oil Nos. 4, 5, and 6.
[d] Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.
[e] Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.
[f] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[g] Solar thermal and photovoltaic energy.
[h] Electricity traded with Canada and Mexico. Btu value calculated by converting net imports in kilowatthours by 3,412 Btu per kilowatthour.
[i] Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in the total.

– – = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than +0.5 and greater than -0.5 or Btu value less than +0.05 and greater than -0.05.

Notes: Totals may not equal sum of components due to independent rounding. · The electric power sector consists of electricity-only and combined-heat-and-power (CHP) plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. · Through 1988, data are for electric utilities only. Beginning in 1989, data include independent power producers. · The continuity of these data series estimates may be affected by the changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at https://www.eia.gov/state/seds/seds-data-complete.php.

Data Source: U.S. Energy Information Administration, State Energy Data System. See Technical Notes. http://www.eia.gov/state/seds/