

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

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum					Hydro-electric Power ^{e,i} Million kWh	Biomass		Geo-thermal ^f	Solar ^{f,i} Million kWh	Electricity ^j End Use ^{f,k}	Electrical System Energy Losses ^j	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 Barrels													
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	7,645	---	---
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	5,490	375	804	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	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	598	539	176	7,922	13,644	0	---	---	---	0	11,009	---	---
2014	121	135	4,850	431	407	180	7,460	13,329	0	---	---	---	0	11,494	---	---
2015	115	140	4,658	537	878	243	7,681	13,998	0	---	---	---	0	11,227	---	---
2016	104	140	4,926	375	999	574	7,922	14,796	0	---	---	---	0	11,414	---	---
2017	112	141	5,030	450	1,005	600	7,921	15,006	0	---	---	---	0	11,535	---	---
2018	117	145	5,388	390	1,007	358	7,934	15,077	0	---	---	---	0	11,681	---	---
2019	80	143	4,780	537	948	497	8,160	14,921	0	---	---	---	0	11,613	---	---
2020	56	146	5,786	409	954	569	8,027	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	5.7	1.1	60.4	120.1	0.0	2.9	3.8	0.0	0.0	34.3	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	128.3	28.4	R 1.4	5.1	3.8	50.0	88.5	0.0	1.3	26.4	0.0	0.0	39.9	302.2	85.5	387.8
2017	2.4	145.4	29.0	1.7	5.1	2.2	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/>