

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

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 Million kWh	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	2,307	76	2,096	275	627	180	5,124	8,301	0	---	---	---	NA	27,514	---	---	---
1965	2,862	97	2,601	522	484	264	7,868	11,739	0	---	---	---	NA	28,362	---	---	---
1970	2,452	123	3,172	363	235	593	8,659	13,023	0	---	---	---	NA	27,776	---	---	---
1975	2,134	112	4,712	455	117	523	8,548	14,355	0	---	---	---	NA	37,904	---	---	---
1980	2,774	123	4,252	960	36	1,445	7,748	14,441	0	---	---	---	NA	32,968	---	---	---
1985	4,145	97	3,615	693	642	441	8,111	13,504	0	---	---	---	NA	33,624	---	---	---
1990	3,846	110	3,399	761	583	269	9,770	14,782	0	---	---	(s)	35,313	---	---	---	
1995	3,777	126	3,682	777	865	346	9,743	15,414	827	---	---	(s)	44,828	---	---	---	
2000	3,349	130	2,443	1,384	561	66	11,716	16,169	520	---	---	(s)	32,289	---	---	---	
2001	3,575	119	2,620	1,277	954	146	15,001	19,999	404	---	---	(s)	32,149	---	---	---	
2002	3,340	118	2,217	1,947	902	133	13,820	19,018	656	---	---	(s)	31,845	---	---	---	
2003	3,354	112	3,062	835	980	247	13,777	18,901	917	---	---	(s)	32,278	---	---	---	
2004	3,233	99	3,538	1,168	1,217	287	14,702	20,911	759	---	---	(s)	32,885	---	---	---	
2005	3,149	95	4,046	1,323	1,212	302	16,485	23,367	772	---	---	(s)	33,625	---	---	---	
2006	3,018	94	3,433	1,520	1,369	177	17,573	24,072	581	---	---	0	34,081	---	---	---	
2007	2,993	92	3,569	1,167	1,866	162	15,475	22,239	0	---	---	0	33,850	---	---	---	
2008	2,939	92	2,939	554	1,477	156	15,053	20,147	0	---	---	0	32,804	---	---	---	
2009	2,524	84	1,893	264	1,774	36	9,636	13,102	0	---	---	0	26,584	---	---	---	
2010	2,658	95	2,096	R 398	R 818	6	9,536	12,854	0	---	---	0	28,930	---	---	---	
2011	2,578	107	1,906	R 514	R 852	25	10,108	R 13,405	0	---	---	0	28,638	---	---	---	
2012	2,453	106	2,008	R 784	R 855	16	9,522	R 13,184	623	---	---	0	28,476	---	---	---	
2013	2,484	111	1,908	R 680	R 921	11	10,720	R 14,241	1,074	---	---	0	22,462	---	---	---	
2014	2,310	117	2,132	R 559	R 611	36	10,718	R 14,057	0	---	---	0	24,182	---	---	---	
2015	2,135	115	1,903	R 523	R 1,129	24	10,900	R 14,479	0	---	---	0	22,983	---	---	---	
2016	1,913	123	2,163	R 428	R 1,150	21	11,264	R 15,027	0	---	---	1	23,546	---	---	---	
2017	1,490	135	2,204	R 457	R 1,159	6	R 8,520	R 12,345	0	---	---	1	24,220	---	---	---	
2018	1,412	147	2,213	R 453	R 1,207	42	R 8,230	R 12,146	0	---	---	6	21,599	---	---	---	
2019	1,230	148	2,041	R 532	R 1,194	59	R 8,222	R 12,049	0	---	---	6	21,105	---	---	---	
2020	1,112	146	2,082	R 667	R 1,207	79	R 8,003	R 12,038	0	---	---	6	20,439	---	---	---	
2021	1,175	154	2,086	572	1,167	38	8,256	12,118	0	---	---	6	21,917	---	---	---	

Trillion Btu

1960	58.1	78.6	12.2	1.0	3.3	1.1	31.2	48.8	0.0	19.5	NA	NA	NA	93.9	298.9	232.2	531.1
1965	71.4	101.9	15.2	2.0	2.5	1.7	48.5	69.8	0.0	27.2	NA	NA	NA	96.8	367.1	231.0	598.1
1970	58.0	125.9	18.5	1.3	1.2	3.7	53.5	78.3	0.0	37.3	NA	NA	NA	94.8	394.2	229.3	623.5
1975	49.9	115.1	27.4	1.6	0.6	3.3	53.3	86.2	0.0	37.3	NA	NA	NA	129.3	417.9	310.2	728.2
1980	67.2	125.1	24.8	3.4	0.2	9.1	48.1	85.6	0.0	49.4	NA	NA	NA	112.5	439.7	270.2	709.9
1985	102.2	100.6	21.1	2.4	3.4	2.8	51.3	80.9	0.0	57.9	2.5	NA	NA	114.7	458.8	262.8	721.5
1990	96.8	113.6	19.8	2.6	3.1	1.7	62.1	89.3	0.0	33.3	2.2	0.0	(s)	120.5	455.7	274.6	730.3
1995	94.9	129.8	21.4	2.7	4.5	2.2	61.8	92.6	8.5	40.7	2.3	0.0	(s)	153.0	521.8	340.5	862.3
2000	87.4	134.6	14.2	4.7	2.9	0.4	74.1	96.4	5.3	40.6	2.3	0.0	(s)	110.2	476.7	254.4	731.1
2001	92.0	123.0	15.2	4.4	5.0	0.9	93.4	118.9	4.2	54.8	2.6	0.0	(s)	109.7	505.2	249.9	755.1
2002	87.0	122.1	12.9	6.7	4.7	0.8	85.9	111.0	6.7	54.8	3.6	0.0	(s)	108.7	493.8	240.5	734.2
2003	87.2	116.2	17.8	2.9	5.1	1.6	85.7	113.0	9.3	49.6	4.2	0.0	(s)	110.1	489.7	247.5	737.1
2004	84.0	102.0	20.6	4.0	6.3	1.8	89.8	122.6	7.6	62.9	3.8	0.0	(s)	112.2	495.1	255.4	750.5
2005	81.6	98.3	23.5	4.5	6.3	1.9	101.8	138.1	7.7	51.4	3.6	0.0	(s)	114.7	495.5	259.9	755.4
2006	78.2	97.3	19.9	5.2	7.1	1.1	107.1	140.4	5.8	45.0	3.6	0.0	0.0	116.3	486.5	266.1	752.6
2007	77.6	95.6	20.6	4.0	9.6	1.0	94.2	129.4	0.0	43.1	3.8	0.0	0.0	115.5	465.1	263.4	728.4
2008	76.6	95.4	16.7	1.9	7.6	1.0	91.3	118.5	0.0	51.4	4.6	0.0	0.0	111.9	458.4	254.9	713.3
2009	66.0	85.9	9.8	0.9	7.5	0.2	59.1	77.5	0.0	46.1	9.4	0.0	0.0	90.7	375.6	204.5	580.1
2010	69.5	96.9	12.1	1.5	4.1	(s)	58.7	76.5	0.0	53.1	9.4	0.0	0.0	98.7	404.1	226.3	630.4
2011	66.9	108.5	11.0	2.0	4.3	0.2	62.4	79.9	0.0	50.4	10.0	0.0	0.0	97.7	413.4	220.2	633.7
2012	63.9	107.1	11.6	3.0	4.3	0.1	58.6	77.6	5.9	55.3	9.0	0.0	0.0	97.2	416.0	212.1	628.2
2013	64.6	113.1	11.0	2.6	4.7	0.1	65.2	R 83.6	10.3	54.9	9.4	0.0	0.0	76.6	412.3	167.1	579.5
2014	60.5	120.6	12.3	R 2.1	3.1	0.2	65.2	R 82.9	0.0	57.3	9.4	0.0	0.0	82.5	413.3	181.7	595.0
2015	55.9	119.2	11.0	2.0	5.7	0.2	66.2	R 85.0	0.0	57.3	9.3	0.0	0.0	78.4	405.1	R 170.3	575.4
2016	50.5	128.0	12.5	R 1.6	5.8	0.5	66.3	R 82.0	0.0	55.1	8.9	0.0	(s)	80.3	413.2	R 176.6	589.7
2017	39.3	140.1	12.7	1.8	8.9	(s)	53.3	73.7	0.0	51.1	9.9	0.0	(s)	82.6	396.8	180.1	576.9
2018	36.8	153.3	12.7	R 1.7	6.1	0.3	51.5	72.4	0.0	73.7	9.8	0.0	0.1	73.7	398.6	R 155.4	R 554.0
2019	32.3	154.5	11.8	R 2.0	6.0	0.4	R 51.5	71.7	0.0	47.0	9.5	0.0	0.1	72.0	387.2	R 145.1	R 532.3
2020	29.1	152.3	12.0	2.6	6.1	0.5	50.1	R 71.2	0.0	42.7	9.0	0.0	(s)	69.7	R 374.1	R 138.8	R 512.9
2021	30.6	160.2	12.0	2.2	5.9	0.2	51.9	72.2	0.0	49.6	9.3	0.0	0.1	74.8	396.7	153.5	550.2

^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/>