

Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2019, Texas

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum							Hydro-electric Power ^{g,h} Million Kilowatt-hours	Biomass		Geo-thermal ^h	Solar ^{h,k}	Electricity Retail Sales	Net Energy ^{h,l}	Electrical System Energy Losses ^m	Total ^{h,l}
			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			Million Kilowatt-hours			
			Thousand Barrels															
1960	1,067	2,313	24,381	73,297	10,842	91,841	22,542	72,395	295,299	0	--	--	--	35,726	--	--	--	
1970	1,154	3,032	32,365	151,223	24,430	141,393	14,042	154,372	517,824	0	--	--	--	95,735	--	--	--	
1980	3,251	2,661	71,387	216,760	30,934	180,997	64,410	293,865	858,353	0	--	--	--	179,430	--	--	--	
1990	4,167	2,594	67,188	326,112	95,903	205,402	27,209	240,278	962,091	0	--	--	--	237,415	--	--	--	
2000	4,503	2,844	109,700	457,553	102,717	249,819	21,408	253,553	1,194,750	0	--	--	--	318,263	--	--	--	
2001	4,456	2,767	116,468	433,096	112,845	256,553	16,621	251,012	1,186,595	0	--	--	--	318,044	--	--	--	
2002	4,112	2,773	113,665	457,107	115,598	268,490	16,907	256,094	1,227,861	0	--	--	--	320,846	--	--	--	
2003	4,272	2,617	115,454	465,283	101,335	269,532	18,056	268,764	1,238,425	0	--	--	--	322,686	--	--	--	
2004	4,159	2,535	120,320	485,249	88,821	275,724	21,358	290,387	1,281,859	0	--	--	--	320,615	--	--	--	
2005	4,094	2,056	127,557	447,915	80,382	278,350	25,997	276,136	1,236,337	0	--	--	--	334,258	--	--	--	
2006	4,102	1,991	141,107	446,844	81,452	285,419	27,903	279,585	1,262,311	0	--	--	--	342,724	--	--	--	
2007	1,868	2,065	144,300	465,349	75,409	290,606	32,625	238,730	1,247,018	0	--	--	--	343,829	--	--	--	
2008	1,817	2,124	141,099	370,537	72,516	288,139	28,718	196,493	1,097,501	0	--	--	--	347,815	--	--	--	
2009	847	2,015	130,311	382,871	61,808	288,646	25,272	188,674	1,077,581	0	--	--	--	345,351	--	--	--	
2010	963	2,240	140,375	R 461,226	R 46,905	293,814	31,123	R 203,379	R 1,176,823	0	--	--	--	358,458	--	--	--	
2011	968	2,253	158,486	R 457,769	R 46,904	289,923	31,148	202,620	R 1,186,849	0	--	--	--	376,065	--	--	--	
2012	958	2,347	160,384	R 490,253	R 46,340	292,573	21,321	204,518	R 1,215,387	0	--	--	--	365,104	--	--	--	
2013	1,011	2,612	165,932	R 536,247	R 48,011	301,856	20,468	R 219,308	R 1,291,822	0	--	--	--	378,817	--	--	--	
2014	1,304	2,513	189,668	R 505,403	R 49,119	314,632	21,214	R 201,022	R 1,281,059	0	--	--	--	389,670	--	--	--	
2015	958	2,500	176,164	R 553,897	R 53,947	329,038	20,455	R 202,950	R 1,336,450	0	--	--	--	392,337	--	--	--	
2016	673	2,496	177,045	R 564,468	R 54,758	337,977	30,436	R 207,635	R 1,372,319	0	--	--	--	398,662	--	--	--	
2017	630	R 2,505	181,383	R 583,826	R 54,006	340,217	30,910	R 212,922	R 1,403,304	2	--	--	--	401,880	--	--	--	
2018	530	R 2,828	197,813	R 693,603	R 54,700	346,231	25,363	R 213,187	R 1,530,897	1	--	--	--	R 424,419	--	--	--	
2019	503	2,876	199,374	709,277	58,234	348,678	26,344	213,075	1,554,981	1	--	--	--	429,343	--	--	--	

Trillion Btu

1960	25.0	2,393.9	142.0	278.1	58.6	482.4	141.7	432.8	1,535.7	0.0	38.3	NA	NA	NA	121.9	4,114.8	301.4	4,416.2
1970	30.8	3,113.6	188.5	556.2	135.9	742.7	88.3	897.6	2,609.4	0.0	51.2	NA	NA	NA	326.6	6,131.6	790.2	6,921.8
1980	63.4	2,743.2	415.8	796.6	173.3	950.8	404.9	1,699.8	4,441.2	0.0	54.8	NA	NA	NA	612.2	7,914.8	1,470.7	9,385.5
1990	61.8	2,703.8	391.4	1,166.8	542.1	1,079.0	171.1	1,402.4	4,752.7	0.0	92.7	(s)	0.2	0.4	810.1	8,422.8	1,668.9	10,091.8
2000	73.3	2,939.4	638.3	1,632.4	582.4	1,299.3	134.6	1,453.4	5,740.4	0.0	80.6	0.0	0.6	0.5	1,085.9	9,920.7	2,220.9	12,141.6
2001	75.9	2,832.8	677.7	1,541.2	639.8	1,334.3	104.5	1,448.3	5,745.8	0.0	69.8	0.0	0.6	0.5	1,085.2	9,809.9	2,132.6	11,942.5
2002	72.8	2,865.1	661.4	1,619.3	655.4	1,395.9	106.3	1,468.4	5,906.7	0.0	79.2	0.0	0.7	0.5	1,094.7	10,020.1	2,220.9	12,241.0
2003	75.2	2,693.3	671.8	1,654.0	574.6	1,400.8	113.5	1,540.6	5,955.3	0.0	75.5	0.0	0.9	0.5	1,101.0	9,901.9	2,126.8	12,028.7
2004	71.2	2,613.7	700.0	1,716.5	503.6	1,432.7	134.3	1,658.9	6,146.0	0.0	71.9	0.0	1.0	0.5	1,093.9	9,998.7	2,075.7	12,074.3
2005	70.4	2,113.7	742.1	1,583.6	455.8	1,445.2	163.4	1,581.5	5,971.6	0.0	77.4	(s)	1.2	0.5	1,140.5	9,376.6	2,162.8	11,539.4
2006	70.9	2,043.6	818.8	1,562.0	461.8	1,479.9	175.4	1,607.3	6,105.3	0.0	75.0	(s)	1.3	0.5	1,169.4	9,469.6	2,207.8	11,677.4
2007	40.4	2,118.7	834.6	1,621.8	427.6	1,494.3	205.1	1,373.8	5,957.3	0.0	80.3	0.1	1.5	0.5	1,173.1	9,376.9	2,402.4	11,779.3
2008	39.3	2,180.8	815.6	1,288.0	411.2	1,471.2	180.5	1,130.8	5,297.3	0.0	95.2	10.6	1.7	0.6	1,186.7	8,816.4	2,447.3	11,263.8
2009	17.4	2,065.3	752.8	1,303.5	350.5	1,469.2	158.9	1,082.3	5,117.2	0.0	59.7	9.3	2.1	0.6	1,178.3	8,450.0	2,434.5	10,884.5
2010	14.1	2,314.3	810.7	R 1,557.8	R 266.0	1,488.8	195.7	1,167.4	R 5,486.2	0.0	80.3	R 11.5	2.3	0.8	1,223.1	R 9,132.6	2,480.6	R 11,613.2
2011	19.8	2,316.6	914.5	R 1,499.1	R 265.9	1,467.9	195.8	1,161.7	R 5,505.0	0.0	84.7	R 13.2	2.5	1.0	1,283.1	R 9,225.8	2,607.4	R 11,833.3
2012	20.1	2,413.7	924.9	R 1,637.7	R 262.7	1,481.0	134.0	1,176.7	R 5,617.2	0.0	81.2	R 15.4	2.5	1.3	1,245.7	R 9,397.1	2,467.5	R 11,864.6
2013	21.9	2,676.1	956.3	R 1,810.5	R 272.2	1,527.4	128.7	1,258.3	R 5,953.4	0.0	87.1	11.5	2.5	1.7	1,292.5	R 10,046.6	2,589.3	R 12,635.9
2014	27.7	2,598.6	1,093.1	R 1,688.3	R 278.5	1,591.7	133.4	R 1,160.1	R 5,945.1	0.0	84.3	R 16.4	2.5	2.2	1,329.6	R 10,006.6	2,629.0	R 12,635.6
2015	20.6	2,588.1	1,015.1	R 1,883.0	R 305.9	1,663.9	128.6	R 1,173.5	R 6,170.0	0.0	70.6	R 18.3	2.5	2.7	1,338.7	R 10,211.7	2,555.0	R 12,766.6
2016	13.8	2,571.1	1,019.3	R 1,889.6	R 310.5	1,708.5	191.3	R 1,226.0	R 6,345.2	0.0	71.9	R 18.8	2.5	4.2	1,360.2	R 10,388.2	R 2,606.6	R 12,994.8
2017	12.5	R 2,576.1	1,044.2	R 1,938.2	R 306.4	1,719.1	194.3	R 1,252.5	R 6,454.8	(s)	R 73.0	R 19.4	2.5	5.0	1,371.2	R 10,514.7	2,665.5	R 13,180.2
2018	10.8	R 2,907.2	1,139.2	R 2,278.7	R 310.1	1,749.9	159.5	R 1,253.0	R 6,890.3	(s)	R 78.9	R 18.1	2.5	7.1	R 1,448.1	R 11,363.6	R 2,653.8	R 14,017.4
2019	9.9	2,950.8	1,148.2	2,355.0	330.2	1,761.5	165.6	1,261.5	7,022.0	(s)	74.5	18.0	2.5	9.5	1,464.9	11,550.2	2,677.2	14,227.4

^a Includes supplemental gaseous fuels that are commingled with natural gas.
^b Beginning in 2009, includes biodiesel blended into distillate fuel oil.
^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 pumped-storage hydroelectricity, 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 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 net energy 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.
^m 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 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>.
 Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.