

Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2023, Texas

Year			Petroleum							Nuclear electric power	Hydro-electric power ^g	Wind	Fuel ethanol ^h	Biodiesel
	Coal	Natural gas ^a	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											
1960	1,067	2,720	24,400	73,297	10,842	91,841	22,584	72,395	295,360	0	1,102	0	NA	NA
1965	1,146	3,068	24,854	109,109	15,365	107,851	14,322	113,002	384,503	0	743	0	NA	NA
1970	1,154	4,093	32,410	151,223	24,430	141,393	14,146	154,372	517,973	0	1,005	0	NA	NA
1971	921	4,365	34,926	154,363	25,067	148,620	12,126	155,984	531,087	0	880	0	NA	NA
1972	2,774	4,413	46,020	178,294	25,910	159,242	14,860	172,390	596,717	0	830	0	NA	NA
1973	7,885	4,621	53,752	185,463	26,533	169,451	29,754	185,936	650,889	0	1,700	0	NA	NA
1974	8,476	4,463	55,721	180,319	25,955	167,865	35,968	185,649	651,477	0	1,631	0	NA	NA
1975	12,765	3,944	54,706	161,478	27,308	175,538	38,536	172,091	629,658	0	1,927	0	NA	NA
1976	15,981	3,975	58,322	161,013	25,641	186,703	44,304	201,434	677,418	0	1,068	0	NA	NA
1977	19,671	4,143	74,729	162,361	26,704	195,017	53,725	236,805	749,341	0	1,169	0	NA	NA
1978	28,759	4,211	80,965	165,026	27,954	201,991	60,875	258,507	795,318	0	765	0	NA	NA
1979	39,409	4,001	89,011	198,336	29,263	195,984	72,076	289,645	874,314	0	1,202	0	NA	NA
1980	48,602	4,091	72,513	216,760	30,934	180,997	65,070	293,865	860,139	0	979	0	NA	NA
1981	56,364	3,927	90,679	230,285	30,922	185,175	67,308	230,286	834,656	0	1,145	0	0	NA
1982	61,217	3,394	90,523	217,634	42,809	190,663	59,968	187,766	789,363	0	1,027	0	91	NA
1983	68,201	3,242	96,961	202,787	47,270	195,020	43,198	199,073	784,309	0	1,107	0	656	NA
1984	72,452	3,433	83,989	292,366	64,626	196,755	35,390	179,857	852,982	0	1,031	0	464	NA
1985	77,017	3,386	79,984	284,231	74,500	205,419	28,713	175,675	848,522	0	1,401	0	807	NA
1986	79,259	3,186	73,832	276,043	80,214	209,513	27,842	199,227	866,671	0	1,972	0	787	NA
1987	82,915	3,303	70,309	302,924	84,562	205,338	21,971	199,240	884,344	0	2,158	0	1,107	NA
1988	86,644	3,531	69,437	320,571	94,793	208,680	24,328	218,086	935,895	3,792	1,235	0	830	NA
1989	91,443	3,744	73,839	333,269	93,265	203,520	28,570	212,371	944,834	9,990	1,441	0	626	NA
1990	91,415	3,729	67,909	326,112	95,903	205,402	27,463	240,278	963,066	15,859	1,794	0	584	NA
1991	92,064	3,688	72,666	359,778	90,674	198,780	28,434	229,169	979,501	19,800	2,225	0	582	NA
1992	91,568	3,613	76,195	375,843	90,029	200,686	30,595	246,681	1,020,028	24,496	2,638	0	658	NA
1993	96,809	3,818	81,982	366,203	86,961	207,441	22,566	244,041	1,009,194	12,407	1,786	0	150	NA
1994	93,829	3,746	83,328	403,348	83,397	218,772	21,623	250,902	1,061,369	28,745	1,530	0	371	NA
1995	92,612	3,893	88,126	415,037	83,002	213,428	22,544	240,105	1,062,243	36,151	1,703	0	1,215	NA
1996	98,997	4,132	96,751	441,959	99,870	226,381	20,292	256,198	1,141,450	35,767	960	83	452	NA
1997	101,303	4,116	98,062	492,508	105,655	224,997	22,092	282,505	1,225,820	37,358	1,791	81	1,069	NA
1998	99,097	4,206	106,480	486,459	108,635	236,779	25,507	274,658	1,238,518	38,685	1,425	80	1,583	NA
1999	102,151	4,010	104,717	494,933	104,896	242,992	18,115	259,294	1,224,947	36,760	1,120	320	1,364	NA
2000	101,578	4,422	111,848	457,553	102,717	249,819	21,810	256,389	1,200,135	37,556	829	492	1,563	NA
2001	96,894	4,273	119,392	433,096	112,845	256,553	17,237	253,063	1,192,186	38,163	1,200	1,188	1,582	27
2002	99,785	4,323	114,102	457,107	115,598	268,490	16,993	258,993	1,231,283	35,618	1,123	2,656	689	R 44
2003	104,542	4,071	118,008	465,283	101,335	269,532	18,554	270,029	1,242,741	33,437	897	2,570	561	36
2004	105,922	3,930	120,621	485,249	88,821	275,724	21,548	293,015	1,284,977	40,435	1,301	3,138	665	71
2005	105,327	3,523	127,873	447,915	80,382	278,350	26,026	278,862	1,239,409	38,232	1,333	4,237	401	R 242
2006	103,763	3,455	141,350	446,844	81,452	285,419	27,958	282,511	1,265,534	41,264	662	6,671	10,833	R 694
2007	104,784	3,538	144,541	465,349	75,409	290,606	32,671	240,798	1,249,373	40,955	1,644	9,006	15,466	R 946
2008	103,657	3,564	141,292	370,537	72,516	288,139	28,724	198,337	1,099,545	40,727	1,039	16,225	18,391	R 817
2009	96,253	3,403	130,446	382,871	61,808	288,646	25,272	191,224	1,080,266	41,498	1,029	20,026	19,278	R 855
2010	101,244	3,589	140,575	460,379	45,595	293,814	31,123	R 203,422	R 1,174,909	41,335	1,262	26,251	24,813	R 691
2011	111,066	3,708	158,751	456,735	46,157	298,923	31,148	R 202,880	R 1,185,593	39,648	563	30,548	29,444	R 2,346
2012	98,263	3,864	160,618	489,075	45,480	292,573	21,347	R 203,676	R 1,212,770	38,441	584	32,214	27,593	R 2,420
2013	103,498	4,034	166,109	534,923	47,262	301,856	20,468	R 218,482	R 1,289,100	38,315	480	35,874	27,541	R 4,414
2014	102,962	3,938	189,868	504,004	47,670	314,632	21,214	R 199,859	R 1,277,247	39,287	386	40,005	30,424	R 4,509
2015	87,737	4,124	176,371	553,319	52,275	329,038	20,455	R 201,407	R 1,332,865	39,355	956	44,833	31,458	R 4,359
2016	86,803	4,030	177,197	563,895	53,026	337,977	30,436	R 206,063	R 1,368,593	42,079	1,342	57,531	35,020	R 6,486
2017	94,117	3,875	181,519	583,256	R 52,622	340,217	30,910	211,805	R 1,400,330	38,581	1,062	67,061	35,410	R 6,109
2018	76,429	4,471	197,923	693,032	R 53,256	346,231	25,363	212,184	R 1,527,990	41,186	1,126	75,700	35,736	R 5,529
2019	63,814	4,678	199,468	708,700	R 56,709	348,683	26,344	R 211,847	R 1,551,751	41,298	1,475	83,620	36,642	R 4,814
2020	56,365	4,682	169,098	705,769	R 35,047	300,985	21,779	R 197,395	R 1,430,073	41,439	1,079	92,441	31,926	R 4,702
2021	62,020	4,673	183,334	772,935	R 44,202	332,122	28,188	R 201,666	R 1,562,446	40,211	1,082	99,474	35,458	R 3,957
2022	59,340	R 4,919	R 189,105	736,406	R 49,857	342,083	28,884	R 191,063	R 1,537,397	41,607	620	114,787	36,607	R 3,774
2023	50,908	5,197	183,960	791,077	55,358	347,210	23,977	190,401	1,591,984	40,680	758	119,855	37,164	5,095

^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." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes. See technical notes.^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. <https://www.eia.gov/state/seds/>

Table CT2. Primary energy consumption estimates, selected years, 1960-2023, Texas
(trillion Btu)

Year	Fossil fuels										Fossil fuels (as commingled)		
	Coal	Natural gas excluding supplemental gaseous fuels ^a	Petroleum							Total	Natural gas including supplemental gaseous fuels ^a	Distillate fuel oil including biofuels ^a	Motor gasoline including fuel ethanol ^a
			Distillate fuel oil excluding biofuels ^a	HGL ^b	Jet fuel ^c	Motor gasoline excluding fuel ethanol ^a	Residual fuel oil	Other ^d	Total				
1960	25.0	2,815.5	142.1	278.1	58.6	482.4	142.0	432.8	1,536.1	4,376.5	2,815.5	142.1	482.4
1965	29.2	3,181.5	144.8	414.1	84.3	566.5	90.0	663.4	1,963.2	5,173.9	3,181.5	144.8	566.5
1970	30.8	4,203.9	188.8	556.2	135.9	742.7	88.9	897.6	2,610.3	6,844.9	4,203.9	188.8	742.7
1971	24.0	4,482.6	203.4	565.8	139.4	780.7	76.2	906.9	2,672.6	7,179.2	4,482.6	203.4	780.7
1972	50.1	4,531.8	268.1	650.1	144.4	836.5	93.4	1,002.9	2,995.4	7,577.3	4,531.8	268.1	836.5
1973	125.9	4,746.2	313.1	674.0	148.2	890.1	187.1	1,083.1	3,295.6	8,167.7	4,746.2	313.1	890.1
1974	133.1	4,584.0	324.6	655.5	144.9	881.8	226.1	1,079.8	3,312.7	8,029.8	4,584.0	324.6	881.8
1975	196.2	4,046.9	318.7	584.2	152.7	922.1	242.3	1,000.8	3,220.7	7,463.8	4,046.9	318.7	922.1
1976	226.3	4,074.7	339.7	575.0	143.3	980.8	278.5	1,163.9	3,481.3	7,782.3	4,074.7	339.7	980.8
1977	288.2	4,254.9	435.3	569.3	149.3	1,024.4	337.8	1,369.4	3,885.4	8,428.4	4,254.9	435.3	1,024.4
1978	418.4	4,329.8	471.6	576.3	156.5	1,061.1	382.7	1,497.4	4,145.6	8,893.8	4,329.8	471.6	1,061.1
1979	587.6	4,131.4	518.5	721.6	164.0	1,029.5	453.1	1,674.5	4,561.3	9,280.3	4,131.4	518.5	1,029.5
1980	734.1	4,226.1	422.4	796.6	173.3	950.8	409.1	1,699.8	4,451.9	9,412.2	4,226.1	422.4	950.8
1981	858.5	4,052.3	528.2	834.2	173.4	972.7	423.2	1,335.9	4,267.5	9,178.4	4,052.3	528.2	972.7
1982	931.1	3,503.0	527.3	778.2	240.7	1,001.6	377.0	1,095.5	4,020.3	8,454.3	3,503.0	527.3	1,001.6
1983	1,016.8	3,335.5	564.8	704.2	266.0	1,024.4	271.6	1,164.5	3,995.6	8,347.9	3,335.5	564.8	1,024.4
1984	1,074.9	3,556.2	489.2	1,036.6	364.3	1,033.6	222.5	1,052.1	4,198.4	8,829.4	3,556.2	489.2	1,033.6
1985	1,149.0	3,514.4	465.9	1,009.4	420.5	1,079.1	180.5	1,036.0	4,191.4	8,854.8	3,514.4	465.9	1,079.1
1986	1,162.7	3,312.9	430.1	993.8	453.0	1,100.6	175.0	1,170.9	4,323.4	8,799.0	3,312.9	430.1	1,100.6
1987	1,203.9	3,435.4	409.6	1,101.3	477.6	1,078.6	138.1	1,165.2	4,370.5	9,009.8	3,435.4	409.6	1,078.6
1988	1,264.1	3,665.2	404.5	1,156.4	535.5	1,096.2	153.0	1,275.2	4,620.7	9,550.0	3,665.2	404.5	1,096.2
1989	1,335.9	3,886.1	430.1	1,213.0	526.9	1,069.1	179.6	1,232.5	4,651.2	9,873.3	3,886.1	430.1	1,069.1
1990	1,333.7	3,876.5	395.6	1,166.8	542.1	1,079.0	172.7	1,402.4	4,758.5	9,968.7	3,876.5	395.6	1,079.0
1991	1,333.4	3,823.1	423.3	1,284.6	512.8	1,044.2	178.8	1,339.2	4,782.9	9,939.4	3,823.1	423.3	1,044.2
1992	1,324.1	3,768.3	443.8	1,351.6	509.1	1,054.2	192.3	1,435.2	4,986.3	10,078.7	3,768.3	443.8	1,054.2
1993	1,430.7	3,925.2	477.5	1,309.2	492.0	1,081.7	141.9	1,424.9	4,927.3	10,283.1	3,925.2	477.5	1,082.2
1994	1,389.4	3,885.1	485.0	1,457.1	472.5	1,139.4	135.9	1,459.6	5,149.5	10,424.0	3,885.1	485.0	1,140.7
1995	1,364.8	4,037.5	512.9	1,490.8	470.5	1,106.5	141.7	1,399.1	5,121.5	10,523.8	4,037.5	512.9	1,110.7
1996	1,485.6	4,268.7	563.1	1,576.5	566.2	1,178.1	127.6	1,486.2	5,497.7	11,251.9	4,268.7	563.1	1,179.7
1997	1,523.2	4,231.6	570.7	1,751.9	599.0	1,167.4	138.9	1,635.1	5,863.0	11,617.8	4,231.6	570.7	1,171.1
1998	1,488.6	4,378.0	619.6	1,726.3	616.0	1,226.5	160.4	1,585.7	5,934.4	11,801.0	4,378.0	619.6	1,232.0
1999	1,530.4	4,138.1	609.3	1,766.5	594.8	1,259.3	113.9	1,498.5	5,842.3	11,510.8	4,138.1	609.3	1,264.0
2000	1,548.2	4,550.1	650.8	1,632.4	582.4	1,293.9	137.1	1,470.4	5,767.1	11,865.4	4,550.1	650.8	1,299.3
2001	1,493.0	4,382.9	694.7	1,541.2	639.8	1,328.8	108.4	1,460.6	5,773.6	11,649.5	4,382.9	694.7	1,334.3
2002	1,550.3	4,444.5	664.0	1,619.3	655.4	1,393.5	106.8	1,485.9	5,924.9	11,919.7	4,444.5	664.0	1,395.9
2003	1,604.0	4,177.1	686.7	1,654.0	574.6	1,398.8	116.7	1,548.2	5,979.0	11,760.1	4,177.1	686.7	1,400.8
2004	1,626.0	4,039.8	701.8	1,716.5	503.6	1,430.4	135.5	1,673.9	6,161.7	11,827.5	4,039.8	701.8	1,432.7
2005	1,627.9	3,621.1	744.0	1,583.6	455.8	1,443.8	163.6	1,597.1	5,987.8	11,236.8	3,621.1	744.0	1,445.2
2006	1,610.3	3,544.8	820.3	1,562.0	461.8	1,442.3	175.8	1,624.0	6,086.2	11,241.3	3,544.8	820.3	1,479.9
2007	1,609.2	3,626.5	836.0	1,621.8	427.6	1,440.7	205.4	1,385.6	5,917.1	11,152.8	3,626.5	836.0	1,494.3
2008	1,605.9	3,653.5	816.7	1,288.0	411.2	1,407.5	180.6	1,141.3	5,245.2	10,504.6	3,653.5	816.7	1,471.2
2009	1,497.9	3,481.1	R 746.4	1,303.5	350.5	1,402.5	158.9	1,096.9	R 5,058.6	R 10,037.6	3,481.1	R 753.5	1,469.2
2010	1,568.1	3,689.6	R 806.8	1,554.6	258.5	1,402.7	195.7	R 1,167.3	R 5,385.6	R 10,643.2	3,689.6	R 811.8	1,488.8
2011	1,695.2	3,800.6	R 903.3	1,495.2	261.7	1,365.8	195.8	R 1,162.9	R 5,384.7	R 10,880.5	3,800.6	R 915.8	1,467.9
2012	1,498.8	3,964.1	R 913.2	1,633.2	257.9	1,385.3	134.2	R 1,171.6	R 5,495.3	R 10,958.2	3,964.1	R 926.1	1,481.0
2013	1,597.4	4,131.2	R 933.3	1,805.4	268.0	1,431.8	128.7	R 1,253.2	R 5,820.4	R 11,549.0	4,131.2	R 956.9	1,527.4
2014	1,586.0	4,060.6	R 1,069.7	1,682.9	270.3	1,486.1	133.4	R 1,153.1	R 5,795.5	R 11,442.0	4,060.6	R 1,093.8	1,591.7
2015	1,340.4	4,263.9	R 992.7	1,880.7	296.4	1,554.7	128.6	R 1,164.2	R 6,017.3	R 11,621.6	4,263.9	R 1,016.1	1,663.9
2016	1,323.1	4,151.1	R 985.0	1,887.4	300.7	1,586.9	191.3	R 1,216.5	R 6,167.8	R 11,642.0	4,151.1	R 1,019.8	1,708.5
2017	1,452.0	3,987.8	R 1,012.0	1,936.0	298.4	1,596.0	194.3	1,245.7	R 6,282.5	R 11,722.2	3,987.8	R 1,044.7	1,719.1
2018	1,189.3	4,596.6	R 1,110.1	2,276.5	R 302.0	1,625.3	159.5	1,246.9	R 6,720.1	R 12,506.0	4,596.6	R 1,139.7	1,749.9
2019	992.7	4,795.2	R 1,123.0	2,352.7	R 321.5	1,634.0	165.6	R 1,254.0	R 6,850.9	R 12,638.8	4,795.2	R 1,148.8	1,761.5
2020	872.8	4,783.3	R 948.2	2,321.2	R 198.7	1,409.6	136.9	R 1,169.0	R 6,183.7	R 11,839.8	4,783.3	R 973.4	1,520.6
2021	968.4	4,773.1	R 1,047.9	2,567.0	R 250.6	1,553.9	177.2	R 1,198.7	R 6,783.2	R 12,524.7	4,773.1	R 1,057.0	1,677.2
2022	932.6	R 5,007.4	R 1,082.0	2,299.3	R 282.7	1,599.7	181.6	R 1,148.7	R 6,582.2	R 12,522.1	R 5,012.3	R 1,090.3	1,727.2
2023	805.6	5,284.7	1,050.4	2,488.0	313.9	1,623.7	150.7	1,142.8	6,752.3	12,842.6	5,295.4	1,060.5	1,753.1

^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." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.

^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. <https://www.eia.gov/state/seds/>

Table CT2. Primary energy consumption estimates, selected years, 1960-2023, Texas (continued)
(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity ^l	Electricity net imports ^m	Total ^{f,j}
		Hydro-electric power ^{e,f}	Biomass						Geo-thermal ^f	Solar ^{f,k}	Wind	Total ^{f,j}			
			Wood and waste ^{f,g}	Fuel ethanol ^h	Biodiesel	Renewable diesel	Losses and co-products ⁱ	Total ^{f,j}							
1960	0.0	3.8	38.3	NA	NA	NA	NA	38.3	0.0	NA	NA	42.1	-57.4	-0.6	4,360.6
1965	0.0	2.5	41.2	NA	NA	NA	NA	41.2	0.0	NA	NA	43.7	-87.2	-0.3	5,130.1
1970	0.0	3.4	52.2	NA	NA	NA	NA	52.2	0.0	NA	NA	55.6	-99.5	-0.4	6,800.7
1975	0.0	6.6	55.8	NA	NA	NA	NA	55.8	0.0	NA	NA	62.4	-171.3	-1.2	7,353.7
1976	0.0	3.6	64.9	NA	NA	NA	NA	64.9	0.0	NA	NA	68.5	-161.7	-0.8	7,688.3
1977	0.0	4.0	70.4	NA	NA	NA	NA	70.4	0.0	NA	NA	74.4	-150.7	-0.2	8,351.9
1978	0.0	2.6	76.3	NA	NA	NA	NA	76.3	0.0	NA	NA	78.9	-191.7	-0.1	8,780.9
1979	0.0	4.1	77.3	NA	NA	NA	NA	77.3	0.0	NA	NA	81.4	-213.6	-0.1	9,148.1
1980	0.0	3.3	55.6	NA	NA	NA	NA	55.6	0.0	NA	NA	59.0	-252.0	-2.0	9,217.2
1981	0.0	3.9	58.5	NA	NA	NA	NA	58.5	0.0	NA	NA	62.5	-254.2	-1.0	8,985.6
1982	0.0	3.5	69.7	NA	NA	NA	NA	70.0	0.0	NA	NA	73.5	-254.5	(s)	8,273.3
1983	0.0	3.8	64.1	NA	NA	NA	NA	66.4	0.0	NA	NA	70.2	-226.1	0.2	8,192.2
1984	0.0	3.5	76.2	NA	NA	NA	NA	77.9	0.0	NA	NA	81.4	-175.8	0.2	8,735.2
1985	0.0	4.8	78.8	2.8	NA	NA	(s)	81.7	0.0	NA	NA	86.4	-117.2	(s)	8,824.1
1986	0.0	6.7	89.7	2.7	NA	NA	(s)	92.5	0.0	NA	NA	99.2	-81.7	(s)	8,816.5
1987	0.0	7.4	94.4	3.8	NA	NA	(s)	98.2	0.0	NA	0.0	105.6	-35.8	-0.1	9,079.4
1988	40.2	4.2	96.1	2.9	NA	NA	(s)	99.0	0.0	0.0	0.0	103.2	-22.0	-0.1	9,671.4
1989	105.7	4.9	109.8	2.2	NA	NA	(s)	112.0	0.2	0.3	0.0	117.5	-177.1	-0.2	9,919.2
1990	167.8	6.1	96.0	2.0	NA	NA	(s)	98.0	0.2	0.4	0.0	104.7	-161.1	-0.2	10,080.0
1991	207.6	7.6	96.4	2.0	NA	NA	(s)	98.4	0.3	0.4	0.0	106.7	-172.1	-1.5	10,080.0
1992	256.5	9.0	105.8	2.3	NA	NA	(s)	108.1	0.3	0.4	0.0	117.8	-213.4	-3.3	10,236.3
1993	130.3	6.1	98.0	0.5	NA	NA	0.0	98.6	0.3	0.4	0.0	105.4	-176.7	-2.7	10,339.4
1994	300.4	5.2	97.5	1.3	NA	NA	0.0	98.8	0.3	0.5	0.0	104.8	-172.6	-3.3	10,653.3
1995	379.8	5.8	99.5	4.2	NA	NA	0.0	103.7	0.4	0.5	0.0	110.3	-210.7	-3.2	10,800.2
1996	375.7	3.3	98.8	1.6	NA	NA	0.0	100.4	0.4	0.5	0.3	104.9	-156.8	-3.5	11,572.2
1997	392.0	6.1	102.6	3.7	NA	NA	0.0	106.3	0.5	0.5	0.3	113.6	-149.1	-2.0	11,972.4
1998	405.8	4.9	93.7	5.5	NA	NA	0.0	99.1	0.5	0.5	0.3	105.3	-163.1	2.5	12,151.6
1999	384.1	3.8	78.1	4.7	NA	NA	0.0	82.9	0.6	0.6	1.1	88.9	-205.6	0.6	11,778.9
2000	391.7	2.8	81.5	5.4	NA	NA	0.0	86.9	0.6	0.5	1.7	92.5	-216.4	-0.1	12,133.2
2001	398.5	4.1	70.7	5.5	NA	NA	0.0	76.3	0.6	0.5	4.1	85.6	-206.7	(s)	11,927.0
2002	371.9	3.8	81.3	2.4	NA	NA	0.0	84.0	0.7	0.5	9.1	98.1	-172.3	-0.7	12,216.7
2003	348.5	3.1	78.9	1.9	NA	NA	0.0	81.1	0.9	0.5	8.8	94.3	-195.4	-0.7	12,006.8
2004	421.7	4.4	74.8	2.3	NA	NA	0.0	77.5	1.0	0.5	10.7	94.2	-295.1	-0.7	12,047.5
2005	399.0	4.5	80.2	1.4	1.3	NA	(s)	82.9	1.2	0.5	14.5	103.5	-233.4	-0.7	11,505.2
2006	430.6	2.3	77.7	37.6	3.7	NA	(s)	119.0	1.3	0.5	22.8	145.8	-184.7	-0.7	11,632.2
2007	429.6	5.6	84.5	53.6	R 5.1	NA	0.1	143.2	1.5	0.5	30.7	R 181.6	-51.7	-0.8	11,711.4
2008	425.7	3.5	100.0	63.8	R 4.4	NA	10.6	178.7	1.7	0.5	55.4	239.8	-16.9	-0.2	R 11,153.1
2009	434.0	3.5	64.2	66.7	4.6	NA	9.3	144.8	2.1	0.5	68.3	219.2	54.3	0.4	10,745.6
2010	432.0	4.3	85.4	86.0	3.7	NA	11.5	186.6	2.3	0.6	89.6	R 283.5	59.4	(s)	R 11,418.1
2011	414.9	1.9	91.0	102.1	R 12.6	NA	13.2	218.9	2.5	0.8	104.2	328.3	0.1	-0.8	R 11,623.1
2012	402.8	2.0	89.8	95.7	R 13.0	NA	15.4	R 213.8	2.5	1.2	109.9	R 329.4	-39.7	-0.8	R 11,650.0
2013	400.4	1.6	95.3	95.6	R 23.7	NA	11.5	R 226.0	2.5	1.5	122.4	R 354.1	87.8	-2.3	R 12,388.9
2014	410.9	1.3	94.8	105.6	R 24.2	NA	16.6	R 241.2	2.5	2.1	136.5	R 383.6	120.9	-1.4	R 12,356.0
2015	411.6	3.3	81.4	109.2	R 23.4	0.0	18.7	R 232.6	2.5	2.7	153.0	R 394.1	43.1	-0.9	R 12,469.5
2016	440.1	4.6	R 80.8	121.6	R 34.8	0.0	19.3	R 256.4	2.5	4.4	196.3	R 464.2	78.0	-6.6	R 12,617.7
2017	403.5	3.6	80.5	123.1	R 32.7	0.0	19.6	R 255.9	2.5	9.7	228.8	R 500.5	132.5	-19.1	R 12,739.7
2018	430.6	3.8	86.7	124.5	R 29.6	0.0	18.8	R 259.6	2.5	14.0	258.3	R 538.2	48.7	15.9	R 13,539.5
2019	431.2	5.0	80.9	127.6	R 25.8	0.0	16.2	R 250.5	2.5	18.9	285.3	R 562.2	105.8	-15.2	R 13,722.9
2020	432.9	3.7	R 85.3	111.0	R 25.2	0.0	12.6	R 234.0	2.5	35.2	315.4	R 590.9	128.0	-10.5	R 12,981.0
2021	419.4	3.7	R 89.1	123.3	R 21.2	0.0	15.6	R 249.3	2.5	59.3	339.4	R 654.2	130.7	-8.3	R 13,720.7
2022	R 434.7	2.1	R 101.5	127.5	R 20.2	0.0	18.8	R 268.0	2.5	87.4	391.7	R 751.7	R 133.4	-12.0	R 13,829.9
2023	425.2	2.6	90.9	129.3	27.3	0.0	18.8	266.3	2.5	110.9	408.9	791.2	80.7	-2.2	14,137.5

^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. Beginning in 2006, includes small amount of other biomass liquids that are biodiesel.

^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 Beginning in 2006, adjusted for the double-counting of other biomass liquids that are biodiesel, which are included in both wood & waste and biodiesel, but should be counted only once in Total.

^k Solar thermal and photovoltaic energy.

^l 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.

^m Electricity traded with Canada and Mexico. Calculated by converting net imports in kilowatt-hours by 3,412 Btu per kilowatt-hour.

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. <https://www.eia.gov/state/seds/>

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2023, Texas

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	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	--	--	--
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	460,379	45,595	293,814	31,123	R 202,478	R 1,173,765	0	--	--	--	--	358,458	--	--	--
2011	968	2,253	158,486	456,735	46,157	289,923	31,148	R 201,756	R 1,184,204	0	--	--	--	--	376,065	--	--	--
2012	958	2,347	160,384	489,075	45,480	292,573	21,321	R 203,551	R 1,212,383	0	--	--	--	--	365,104	--	--	--
2013	1,011	2,612	165,932	534,923	47,262	301,856	20,468	R 218,249	R 1,288,690	0	--	--	--	--	378,817	--	--	--
2014	1,304	2,513	189,668	504,004	47,670	314,632	21,214	R 199,859	R 1,277,047	0	--	--	--	--	389,670	--	--	--
2015	958	2,500	176,164	553,319	52,275	329,038	20,455	R 201,407	R 1,332,658	0	--	--	--	--	392,337	--	--	--
2016	673	2,496	177,045	563,895	53,026	337,977	30,436	R 206,063	R 1,368,442	0	--	--	--	--	398,662	--	--	--
2017	630	2,505	181,383	583,256	R 52,622	340,217	30,910	211,805	1,400,193	2	--	--	--	--	401,880	--	--	--
2018	530	2,828	197,813	693,032	R 53,256	346,231	25,363	212,184	R 1,527,879	1	--	--	--	--	424,419	--	--	--
2019	503	2,891	199,374	708,700	R 56,709	348,683	26,344	R 211,847	R 1,551,657	1	--	--	--	--	429,343	--	--	--
2020	296	2,943	169,007	705,769	R 35,047	300,985	21,779	R 197,395	R 1,429,982	1	--	--	--	--	426,863	--	--	--
2021	258	3,046	182,932	772,935	R 44,202	332,122	28,188	R 201,666	R 1,562,043	1	--	--	--	--	435,628	--	--	--
2022	273	R 3,114	R 188,534	736,406	R 49,857	342,083	28,884	R 191,063	R 1,536,826	(s)	--	--	--	--	475,401	--	--	--
2023	202	3,179	183,478	791,077	55,358	347,210	23,977	190,401	1,591,502	0	--	--	--	--	492,820	--	--	--

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	245.8	4,360.6
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	669.1	6,800.7
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	1,302.4	9,217.2
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	1,657.2	10,080.0
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	2,212.4	12,133.2
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	2,128.6	11,505.2
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	2,162.6	11,632.2
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	2,334.5	R 11,711.4
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	0.5	1,186.7	8,816.4	2,336.6	R 11,153.1
2009	17.4	2,065.3	R 752.7	1,303.5	350.5	1,469.2	158.9	1,082.3	5,117.0	0.0	59.7	9.3	2.1	0.5	1,178.3	R 8,449.8	2,298.2	R 10,748.0
2010	14.1	2,314.3	R 810.6	1,554.6	258.5	1,488.8	195.7	R 1,161.9	R 5,470.0	0.0	80.3	11.5	2.3	0.6	1,223.1	R 9,116.2	2,303.1	R 11,419.4
2011	19.8	2,316.6	R 914.2	1,495.2	261.7	1,467.9	195.8	R 1,156.5	R 5,491.3	0.0	84.7	13.2	2.5	0.7	1,283.1	R 9,211.9	2,411.1	R 11,623.0
2012	20.1	2,413.7	R 924.8	1,633.2	257.9	1,481.0	134.0	R 1,170.9	R 5,601.7	0.0	81.2	15.4	2.5	0.8	1,245.7	R 9,381.2	2,268.8	R 11,650.0
2013	21.9	2,676.1	R 955.9	1,805.4	268.0	1,527.4	128.7	R 1,251.9	R 5,937.3	0.0	87.1	11.5	2.5	1.0	1,292.5	R 10,029.9	2,359.0	R 12,388.9
2014	27.7	2,598.6	R 1,092.7	1,682.9	270.3	1,591.7	133.4	R 1,153.1	R 5,924.1	0.0	84.3	16.6	2.5	1.1	1,329.6	R 9,984.6	2,371.4	R 12,356.0
2015	20.6	2,588.1	R 1,014.9	1,880.7	296.4	1,663.9	128.6	R 1,164.2	R 6,148.7	0.0	70.5	18.7	2.5	1.3	1,338.7	R 10,189.2	2,280.2	R 12,469.4
2016	13.8	2,571.1	R 1,018.9	1,887.4	300.7	1,708.5	191.3	R 1,216.5	R 6,323.3	0.0	71.9	19.3	2.5	1.9	1,360.2	R 10,364.1	2,253.5	R 12,617.7
2017	12.5	2,576.1	R 1,044.0	1,936.0	298.4	1,719.1	194.3	1,245.7	R 6,437.5	(s)	R 72.9	19.6	2.5	2.2	1,371.2	R 10,494.9	2,244.8	R 12,739.7
2018	10.8	2,907.2	R 1,139.0	2,276.5	R 302.0	1,749.9	159.5	1,246.9	6,873.7	(s)	78.9	18.8	2.5	3.0	1,448.1	R 11,343.2	2,196.3	R 13,539.5
2019	9.9	2,966.5	1,148.2	2,352.7	R 321.5	1,761.5	165.6	R 1,254.0	R 7,003.7	(s)	74.5	16.2	2.5	4.0	1,464.9	11,542.3	2,180.6	R 13,722.9
2020	6.1	3,011.5	R 972.9	2,321.2	R 198.7	1,520.6	136.9	R 1,169.0	R 6,319.3	(s)	R 80.1	12.6	2.5	6.1	1,456.5	R 10,893.9	2,087.1	R 12,981.0
2021	6.0	3,114.1	R 1,054.6	2,567.0	R 250.6	1,677.2	177.2	R 1,198.7	R 6,925.4	(s)	R 83.3	15.6	2.5	8.4	1,486.4	R 11,640.3	2,080.3	R 13,720.7
2022	6.3	R 3,173.1	R 1,087.0	2,299.3	R 282.7	1,727.2	181.6	R 1,148.7	R 6,726.6	(s)	R 92.4	18.8	2.5	10.9	1,622.1	R 11,650.0	R 2,179.9	R 13,829.9
2023	4.6	3,241.9	1,057.7	2,488.0	313.9	1,753.1	150.7	1,142.8	6,906.2	0.0	84.7	18.8	2.5	14.9	1,681.5	11,949.3	2,188.1	14,137.4

^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. <https://www.eia.gov/state/seds/>

Table CT4. Residential sector energy consumption estimates, selected years, 1960-2023, Texas

Year	Coal ^a	Natural gas ^b	Petroleum				Biomass	Geothermal ^g	Solar ^{g,h}	Electricity ⁱ	End use ^{g,j}	Electrical system energy losses ^k	Total ^{e,g,j}
			Distillate fuel oil ^c	HGL ^d	Kerosene	Total ^e							
	Thousand short tons	Billion cubic feet	Thousand barrels				Wood ^f			Million kilowatthours			
1960	10	172	96	9,098	6	9,201	--	--	--	11,316	--	--	--
1965	3	183	71	11,778	7	11,856	--	--	--	18,745	--	--	--
1970	1	232	134	13,894	33	14,062	--	--	--	32,591	--	--	--
1975	0	232	270	10,304	39	10,613	--	--	--	40,892	--	--	--
1980	(s)	225	8	5,533	198	5,739	--	--	--	57,178	--	--	--
1985	2	213	27	6,553	112	6,693	--	--	--	71,740	--	--	--
1990	2	211	2	5,534	26	5,562	--	--	--	82,548	--	--	--
1995	0	206	6	2,995	22	3,023	--	--	--	92,831	--	--	--
2000	1	194	3	9,705	30	9,738	--	--	--	116,895	--	--	--
2005	1	185	5	7,959	15	7,979	--	--	--	126,562	--	--	--
2006	(s)	166	(s)	6,055	7	6,062	--	--	--	126,843	--	--	--
2007	(s)	200	(s)	6,613	9	6,622	--	--	--	124,921	--	--	--
2008	0	193	(s)	6,263	8	6,272	--	--	--	128,240	--	--	--
2009	0	192	2	5,359	3	5,364	--	--	--	129,815	--	--	--
2010	0	226	1	5,337	5	5,343	--	--	--	137,161	--	--	--
2011	0	200	3	4,787	3	4,793	--	--	--	145,654	--	--	--
2012	0	170	2	3,821	1	3,824	--	--	--	137,412	--	--	--
2013	0	207	(s)	4,560	1	4,561	--	--	--	140,273	--	--	--
2014	0	235	1	4,828	2	4,831	--	--	--	140,900	--	--	--
2015	0	211	2	4,966	1	4,969	--	--	--	145,652	--	--	--
2016	0	175	1	5,099	1	5,101	--	--	--	145,973	--	--	--
2017	0	164	1	4,155	1	4,157	--	--	--	144,242	--	--	--
2018	0	227	1	4,343	1	4,345	--	--	--	157,268	--	--	--
2019	0	228	1	5,624	(s)	5,626	--	--	--	155,481	--	--	--
2020	0	204	(s)	4,188	1	4,188	--	--	--	156,415	--	--	--
2021	0	211	1	3,347	1	3,349	--	--	--	155,075	--	--	--
2022	0	233	1	5,030	1	5,032	--	--	--	170,596	--	--	--
2023	0	200	1	4,064	1	4,066	--	--	--	168,611	--	--	--
Trillion Btu													
1960	0.2	177.7	0.6	34.9	(s)	35.5	14.1	NA	NA	38.6	266.1	77.8	343.9
1965	0.1	189.3	0.4	45.2	(s)	45.7	9.4	NA	NA	64.0	308.4	125.8	434.2
1970	(s)	238.5	0.8	53.4	0.2	54.3	6.4	NA	NA	111.2	410.4	227.8	638.2
1975	0.0	239.2	1.6	39.6	0.2	41.4	7.6	NA	NA	139.5	427.7	284.9	712.5
1980	(s)	231.7	(s)	21.3	1.1	22.4	12.9	NA	NA	195.1	462.2	415.0	877.2
1985	(s)	221.0	0.2	25.2	0.6	26.0	26.4	NA	NA	244.8	518.1	497.4	1,015.6
1990	0.1	219.5	(s)	21.3	0.1	21.4	22.1	0.2	0.4	281.7	545.3	576.2	1,121.5
1995	0.0	215.2	(s)	11.5	0.1	11.7	13.8	0.2	0.5	316.7	558.0	645.6	1,203.6
2000	(s)	200.0	(s)	37.3	0.2	37.5	10.7	0.3	0.5	398.8	647.9	812.6	1,460.5
2005	(s)	190.3	(s)	30.6	0.1	30.7	18.3	0.7	0.5	431.8	672.3	806.0	1,478.2
2006	(s)	170.6	(s)	23.3	(s)	23.3	16.2	0.8	0.5	432.8	644.1	800.4	1,444.5
2007	(s)	205.0	(s)	25.4	0.1	25.5	17.9	0.9	0.5	426.2	676.1	848.2	1,524.2
2008	0.0	197.9	(s)	24.1	(s)	24.1	20.1	1.1	0.5	437.6	681.2	861.5	1,542.7
2009	0.0	196.9	(s)	20.6	(s)	20.6	12.2	1.4	0.5	442.9	674.5	863.9	1,538.4
2010	0.0	233.9	(s)	20.5	(s)	20.5	13.1	1.5	0.6	468.0	737.6	881.3	1,618.9
2011	0.0	205.6	(s)	18.4	(s)	18.4	12.7	1.5	0.6	497.0	735.7	933.8	1,669.6
2012	0.0	174.8	(s)	14.7	(s)	14.7	10.6	1.6	0.7	468.8	671.3	853.9	1,525.2
2013	0.0	212.3	(s)	17.5	(s)	17.5	13.9	1.6	0.8	478.6	724.6	873.5	1,598.1
2014	0.0	242.5	(s)	18.5	(s)	18.6	14.0	1.6	0.9	480.7	758.3	857.5	1,615.8
2015	0.0	218.8	(s)	19.1	(s)	19.1	2.8	1.6	1.0	497.0	740.3	846.5	1,586.8
2016	0.0	180.6	(s)	19.6	(s)	19.6	2.1	1.6	1.4	498.1	703.4	825.2	1,528.5
2017	0.0	168.8	(s)	16.0	(s)	16.0	1.6	1.6	1.8	492.2	681.9	805.7	1,487.6
2018	0.0	233.4	(s)	16.7	(s)	16.7	2.6	1.6	2.4	536.6	793.3	813.9	1,607.2
2019	0.0	234.1	(s)	21.6	(s)	21.6	2.7	1.6	3.2	530.5	793.7	789.7	1,583.3
2020	0.0	209.2	(s)	16.1	(s)	16.1	R 6.4	1.6	5.0	533.7	R 771.9	764.8	R 1,536.6
2021	0.0	215.9	(s)	12.9	(s)	12.9	R 6.6	1.6	7.0	529.1	R 773.0	740.6	R 1,513.5
2022	0.0	R 237.2	(s)	19.3	(s)	19.3	R 8.3	1.6	9.4	582.1	R 857.7	R 782.2	R 1,639.9
2023	0.0	204.3	(s)	15.6	(s)	15.6	7.1	1.6	13.3	575.3	816.7	748.6	1,565.3

^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 Beginning in 2013, includes biodiesel blended into distillate fuel oil.

^d Hydrocarbon gas liquids, assumed to be propane only.

^f Wood and wood-derived fuels.

^e Beginning in 2021, includes small amounts of other petroleum products (biofuels product supplied) not shown separately.

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

^h Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.

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.

^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 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. <https://www.eia.gov/state/seds/>

Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2023, Texas

Year	Coal	Natural gas ^a	Petroleum						Hydro-electric power ^{1,g}	Biomass	Geothermal ^g	Solar ^{g,i}	Electricity ^j	End use ^{g,k}	Electrical system energy losses ^l	Total ^{e,g,k}
			Distillate fuel oil ^b	HGL ^c	Kerosene	Motor gasoline ^d	Residual fuel oil	Total ^e								
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kilowatthours	Wood and waste ^{g,h}		Million kilowatthours				
1960	7	60	595	2,764	656	663	191	4,868	NA	--	--	NA	9,801	--	--	--
1965	3	81	440	3,578	788	711	64	5,581	NA	--	--	NA	14,804	--	--	--
1970	1	146	830	4,221	3,603	692	78	9,423	NA	--	--	NA	22,869	--	--	--
1975	0	117	1,669	3,130	4,192	687	677	10,355	NA	--	--	NA	33,884	--	--	--
1980	1	169	2,842	1,681	3,251	3,299	2,569	13,642	NA	--	--	NA	44,062	--	--	--
1985	5	152	6,778	1,991	250	1,954	252	11,225	NA	--	--	NA	60,150	--	--	--
1990	8	172	2,225	1,681	25	2,294	71	6,295	0	--	--	(s)	70,781	--	--	--
1995	0	210	2,669	910	46	164	(s)	3,789	0	--	--	(s)	80,354	--	--	--
2000	11	190	5,657	2,948	48	167	0	8,821	0	--	--	(s)	99,748	--	--	--
2005	11	160	2,717	2,625	44	180	0	5,565	0	--	--	1	110,784	--	--	--
2006	(s)	147	2,420	2,308	74	187	0	4,988	0	--	--	2	111,130	--	--	--
2007	(s)	161	2,441	694	43	372	14	3,564	0	--	--	3	110,540	--	--	--
2008	12	167	2,282	2,258	38	361	7	4,947	0	--	--	3	113,638	--	--	--
2009	14	167	3,348	1,777	34	310	4	5,473	0	--	--	5	118,535	--	--	--
2010	11	189	2,494	2,348	23	326	14	5,206	0	--	--	11	121,467	--	--	--
2011	11	184	4,600	1,801	19	300	44	6,763	0	--	--	22	128,214	--	--	--
2012	10	161	4,168	1,804	9	303	24	6,308	0	--	--	35	133,105	--	--	--
2013	9	174	3,424	1,953	5	315	29	5,726	0	--	--	54	136,516	--	--	--
2014	8	185	3,219	2,094	13	303	9	5,639	0	--	--	73	139,432	--	--	--
2015	6	176	2,891	2,240	7	5,151	0	10,289	0	--	--	100	136,324	--	--	--
2016	0	164	3,262	1,836	12	5,082	7	10,199	0	--	--	141	139,104	--	--	--
2017	0	165	2,570	1,713	5	5,021	0	9,308	2	--	--	133	137,486	--	--	--
2018	0	214	1,991	2,478	5	5,074	0	9,547	1	--	--	189	143,525	--	--	--
2019	0	198	2,397	2,526	6	5,120	0	10,049	1	--	--	246	142,002	--	--	--
2020	0	173	1,780	4,527	9	5,144	57	11,517	1	--	--	323	145,168	--	--	--
2021	0	181	2,758	5,499	6	5,187	0	13,450	1	--	--	400	147,843	--	--	--
2022	0	197	3,089	3,223	6	5,502	0	11,821	(s)	--	--	424	160,719	--	--	--
2023	0	197	2,545	2,600	10	5,384	0	10,540	0	--	--	470	165,792	--	--	--
Trillion Btu																
1960	0.1	61.8	3.5	10.6	3.7	3.5	1.2	22.5	NA	0.3	NA	NA	33.4	118.1	67.4	185.5
1965	(s)	83.6	2.6	13.7	4.5	3.7	0.4	24.9	NA	0.2	NA	NA	50.5	159.2	99.3	258.6
1970	(s)	150.0	4.8	16.2	20.4	3.6	0.5	45.6	NA	0.1	NA	NA	78.0	273.8	159.8	433.6
1975	0.0	120.2	9.7	12.0	23.8	3.6	4.3	53.4	NA	0.1	NA	NA	115.6	289.3	236.1	525.4
1980	(s)	157.7	16.6	6.5	18.4	17.3	16.2	74.9	NA	0.3	NA	NA	150.3	399.3	319.8	719.1
1985	0.1	173.7	39.5	7.6	1.4	10.3	1.6	60.4	NA	0.6	NA	NA	205.2	424.1	417.1	841.2
1990	0.2	179.6	13.0	6.5	0.1	12.0	0.4	32.0	0.0	2.5	(s)	(s)	241.5	455.8	494.0	949.9
1995	0.0	218.5	15.5	3.5	0.3	0.9	0.9	20.1	0.0	1.9	0.1	(s)	274.2	514.8	558.8	1,073.7
2000	0.2	198.8	32.9	11.3	0.3	0.9	0.0	45.4	0.0	1.9	0.2	(s)	340.3	584.9	693.4	1,278.3
2005	0.3	164.4	15.8	10.1	0.2	0.9	0.0	27.1	0.0	3.3	0.5	(s)	378.0	573.6	705.5	1,279.1
2006	(s)	151.2	14.0	8.9	0.4	1.0	0.0	24.3	0.0	3.2	0.5	(s)	379.2	558.4	701.2	1,259.7
2007	(s)	165.5	14.1	2.7	0.2	1.9	0.1	19.0	0.0	3.4	0.6	(s)	377.2	565.7	750.5	1,316.2
2008	0.3	171.6	13.2	8.7	0.2	1.8	(s)	24.0	0.0	3.5	0.6	(s)	387.7	587.8	763.4	1,351.2
2009	0.4	171.5	19.3	6.8	0.2	1.6	(s)	28.0	0.0	2.2	0.7	(s)	404.4	607.1	788.8	1,396.0
2010	0.3	195.0	14.4	9.0	0.1	1.7	0.1	25.3	0.0	2.2	0.8	(s)	414.4	638.1	780.4	1,418.6
2011	0.3	189.6	26.5	6.9	0.1	1.5	0.3	35.4	0.0	2.1	1.0	0.1	437.5	666.0	822.0	1,488.0
2012	0.3	165.9	24.0	6.9	0.1	1.5	0.2	32.7	0.0	1.9	0.9	0.1	454.2	655.9	827.1	1,483.0
2013	0.2	178.1	^R 19.8	7.5	(s)	1.6	0.2	^R 29.1	0.0	2.2	0.9	0.2	465.8	676.5	850.1	1,526.6
2014	0.2	191.2	18.6	8.0	0.1	1.5	0.1	28.3	0.0	2.3	0.9	0.2	475.7	^R 698.9	848.5	1,547.5
2015	0.2	182.1	16.7	8.6	(s)	26.0	0.0	51.4	0.0	^R 0.9	0.9	0.3	465.1	701.1	792.3	1,493.3
2016	0.0	169.2	18.8	7.1	0.1	25.7	(s)	^R 51.7	0.0	0.8	0.9	0.5	474.6	697.9	786.3	1,484.2
2017	0.0	169.5	14.8	6.6	(s)	25.4	0.0	46.8	(s)	^R 0.7	0.9	0.5	469.1	687.6	768.0	1,455.6
2018	0.0	220.2	11.5	9.5	(s)	25.6	0.0	46.7	(s)	0.8	0.9	0.6	489.7	759.1	742.7	1,501.8
2019	0.0	203.2	13.8	9.7	(s)	25.9	0.0	49.4	(s)	0.5	0.9	0.8	484.5	^R 739.5	721.2	^R 1,460.7
2020	0.0	176.6	^R 10.3	17.4	0.1	26.0	0.4	^R 54.1	(s)	^R 1.3	0.9	1.1	495.3	^R 729.4	709.8	^R 1,439.1
2021	0.0	185.4	15.9	21.1	(s)	26.2	0.0	^R 63.3	(s)	^R 1.3	0.9	1.4	504.4	^R 756.7	706.0	^R 1,462.7
2022	0.0	^R 200.7	17.8	12.4	(s)	27.8	0.0	58.0	(s)	^R 1.3	0.9	1.4	548.4	^R 810.6	^R 737.0	^R 1,547.5
2023	0.0	200.5	14.7	10.0	0.1	27.2	0.0	51.9	0.0	1.3	0.9	1.6	565.7	821.5	736.1	1,557.6

^a Includes supplemental gaseous fuels that are commingled with natural gas.^b Beginning in 2013, includes biodiesel blended into distillate fuel oil.^c Hydrocarbon gas liquids, assumed to be propane only.^d 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.^e Includes small amounts of petroleum coke and, beginning in 2021 other petroleum products (biofuels product supplied), not shown separately.^f Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.^g There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.^h Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.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 commercial 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.

-- = 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. <https://www.eia.gov/state/seds/>

Table CT6. Industrial sector energy consumption estimates, selected years, 1960-2023, Texas

Year	Coal Thousand short tons	Natural gas ^a Billion cubic feet	Petroleum						Hydro-electric power ^{e,f} Million kWh	Biomass		Geo-thermal ^f	Solar ^{f,i} Million kWh	Electricity ^j Million kWh	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						
1960	1,031	2,029	10,118	59,411	3,798	4,615	66,692	144,635	0	--	--	--	NA	14,602	--	--	--
1965	1,136	2,098	8,519	89,166	2,563	1,879	106,935	209,061	0	--	--	--	NA	23,685	--	--	--
1970	1,150	2,557	8,947	127,521	1,410	2,297	147,105	287,280	0	--	--	--	NA	40,274	--	--	--
1975	3,720	2,160	15,301	143,075	997	11,070	164,810	335,253	5	--	--	--	NA	54,712	--	--	--
1980	3,250	2,163	20,250	208,898	470	16,029	287,243	532,890	0	--	--	--	NA	78,190	--	--	--
1985	5,192	1,732	19,330	275,079	4,704	5,969	172,257	477,338	0	--	--	--	NA	81,235	--	--	--
1990	4,157	2,105	17,592	318,417	4,336	1,273	237,434	579,052	0	--	--	--	(s)	84,087	--	--	--
1995	4,255	2,188	19,960	410,810	3,944	2,459	235,068	672,241	0	--	--	--	(s)	90,093	--	--	--
2000	4,490	2,397	21,192	444,667	2,576	401	250,873	719,710	0	--	--	--	(s)	101,588	--	--	--
2005	4,082	1,628	20,031	436,864	5,766	3,537	273,886	740,083	0	--	--	--	(s)	96,841	--	--	--
2006	4,102	1,591	20,274	437,961	6,096	3,923	277,372	745,627	0	--	--	--	0	104,689	--	--	--
2007	1,868	1,612	22,582	457,680	4,580	3,121	236,494	724,457	0	--	--	--	0	108,300	--	--	--
2008	1,806	1,653	26,483	361,353	3,867	3,620	194,458	589,782	0	--	--	--	0	105,868	--	--	--
2009	833	1,537	19,793	375,233	3,802	3,408	186,878	589,113	0	--	--	--	0	96,931	--	--	--
2010	952	1,743	22,336	452,543	5,750	3,280	R 199,162	R 683,071	0	--	--	--	0	99,754	--	--	--
2011	956	1,781	30,405	450,029	6,035	4,548	R 198,421	R 689,438	0	--	--	--	0	102,129	--	--	--
2012	947	1,875	34,173	483,327	5,600	2,162	R 200,410	R 725,672	0	--	--	--	0	94,517	--	--	--
2013	1,002	1,934	32,751	528,232	6,098	1,626	R 214,924	R 783,631	0	--	--	--	0	101,968	--	--	--
2014	1,296	1,988	39,585	496,687	4,489	1,860	R 196,380	R 739,001	0	--	--	--	0	109,165	--	--	--
2015	951	2,023	27,448	545,690	3,682	1,242	R 197,779	R 775,842	0	--	--	--	0	110,182	--	--	--
2016	673	2,067	29,924	556,484	3,663	2,008	R 202,608	R 794,686	0	--	--	--	0	113,403	--	--	--
2017	630	2,090	30,594	576,973	3,703	2,516	208,524	822,309	0	--	--	--	(s)	119,970	--	--	--
2018	530	2,267	33,999	685,980	3,786	2,347	208,968	935,080	0	--	--	--	1	123,439	--	--	--
2019	503	2,290	32,162	700,307	3,786	1,961	R 208,645	R 946,860	0	--	--	--	2	131,674	--	--	--
2020	296	2,365	23,754	696,935	3,828	1,583	R 194,649	R 920,750	0	--	--	--	4	125,107	--	--	--
2021	258	2,426	30,529	763,995	3,784	2,336	R 196,465	R 997,109	0	--	--	--	3	132,530	--	--	--
2022	273	R 2,430	30,856	727,845	3,950	2,393	R 185,720	R 950,765	0	--	--	--	9	143,906	--	--	--
2023	202	2,524	30,122	784,088	4,027	1,987	184,820	1,005,043	0	--	--	--	8	158,249	--	--	--
Trillion Btu																	
1960	24.4	2,100.3	58.9	224.8	19.9	29.0	401.8	734.5	0.0	23.9	NA	NA	NA	49.8	2,933.0	100.5	3,033.4
1965	29.0	2,175.3	49.6	337.5	13.5	11.8	630.4	1,042.9	0.0	30.7	NA	NA	NA	80.8	3,358.7	158.9	3,517.7
1970	30.7	2,626.3	52.1	465.2	7.4	14.4	857.1	1,396.2	0.0	44.6	NA	NA	NA	137.4	4,235.3	281.5	4,516.7
1975	77.7	2,224.0	89.1	513.5	5.2	69.6	959.6	1,637.1	(s)	47.2	NA	NA	NA	186.7	4,172.6	381.2	4,553.7
1980	63.3	2,229.7	118.0	766.4	2.5	100.8	1,662.3	2,649.9	0.0	41.6	NA	NA	NA	266.8	5,251.2	567.5	5,818.8
1985	85.4	1,799.3	112.6	974.3	24.7	37.5	1,016.7	2,165.8	0.0	48.7	(s)	NA	NA	277.2	4,376.5	563.3	4,939.8
1990	61.5	2,194.1	102.5	1,137.2	22.8	8.0	1,386.0	2,656.5	0.0	68.1	(s)	0.0	(s)	286.9	5,266.5	586.9	5,853.4
1995	63.7	2,280.6	116.2	1,474.6	20.5	15.5	1,369.3	2,996.0	0.0	83.4	0.0	0.0	(s)	307.4	5,731.1	626.6	6,357.7
2000	73.1	2,477.4	123.3	1,582.9	13.4	2.5	1,437.8	3,159.9	0.0	68.0	0.0	0.0	(s)	346.6	6,125.0	706.2	6,831.2
2005	70.1	1,673.6	116.5	1,541.1	29.9	22.2	1,568.4	3,278.2	0.0	55.8	(s)	0.0	(s)	330.4	5,408.1	616.7	6,024.8
2006	70.9	1,632.3	117.7	1,527.9	31.6	24.7	1,594.4	3,296.2	0.0	55.6	(s)	0.0	0.0	357.2	5,412.2	660.6	6,072.8
2007	40.4	1,654.3	130.6	1,592.4	23.5	19.6	1,360.8	3,127.0	0.0	58.9	0.1	0.0	0.0	369.5	5,250.2	735.3	5,985.5
2008	39.0	1,696.9	153.1	1,252.8	19.7	22.8	1,118.9	2,567.2	0.0	71.5	10.6	0.0	0.0	361.2	4,746.5	711.2	5,457.7
2009	17.1	1,574.6	114.3	1,274.2	19.4	21.4	1,071.8	2,501.1	0.0	45.3	9.3	0.0	0.0	330.7	4,478.1	645.0	5,123.2
2010	13.8	1,800.5	129.0	1,524.5	29.1	20.6	R 1,142.4	R 2,845.6	0.0	65.0	11.5	0.0	0.0	340.4	R 5,076.8	640.9	R 5,717.7
2011	19.5	1,831.2	175.4	1,469.4	30.6	28.6	R 1,136.9	R 2,840.9	0.0	69.9	13.2	0.0	0.0	348.5	R 5,123.1	654.8	R 5,777.9
2012	19.8	1,928.3	197.1	1,611.1	28.3	13.6	R 1,152.5	R 3,002.6	0.0	68.7	15.4	0.0	0.0	322.5	R 5,357.4	587.4	R 5,944.8
2013	21.6	1,981.1	188.7	1,779.7	30.9	10.2	R 1,232.4	R 3,241.9	0.0	71.0	11.5	0.0	0.0	347.9	R 5,675.2	635.0	R 6,310.2
2014	27.5	2,055.9	228.1	1,654.8	22.7	11.7	R 1,132.5	R 3,049.8	0.0	68.0	16.6	0.0	0.0	372.5	R 5,590.3	664.3	R 6,254.7
2015	20.4	2,094.8	158.2	1,851.4	18.6	7.8	R 1,142.6	R 3,178.6	0.0	66.7	18.7	0.0	0.0	375.9	R 5,755.1	640.4	R 6,395.5
2016	13.8	2,129.2	172.3	1,859.0	18.5	12.6	R 1,195.9	R 3,258.3	0.0	69.0	19.3	0.0	0.0	386.9	R 5,876.5	641.0	R 6,517.5
2017	12.5	2,149.1	176.1	1,911.9	18.7	15.8	1,226.3	3,348.9	0.0	70.6	19.6	0.0	(s)	409.3	6,010.0	670.1	6,680.2
2018	10.8	2,330.5	195.8	2,249.4	19.1	14.8	1,227.8	3,706.9	0.0	75.5	18.8	0.0	(s)	421.2	6,563.6	638.8	7,202.4
2019	9.9	2,349.2	185.2	2,320.5	19.1	12.3	R 1,235.0	R 3,772.2	0.0	71.3	16.2	0.0	(s)	449.3	R 6,668.2	668.7	R 7,336.9
2020	6.1	2,420.2	136.7	2,287.3	19.3	10.0	R 1,152.7	R 3,606.0	0.0	72.4	12.6	0.0	(s)	426.9	R 6,543.5	611.7	R 7,155.2
2021	6.0	2,480.2	176.0	2,532.7	19.1	14.7	R 1,169.1	R 3,911.6	0.0	75.4	15.6	0.0	(s)	452.2	R 6,939.7	632.9	R 7,572.6
2022	6.3	R 2,476.7	177.9	2,266.5	19.9	15.0	R 1,118.3	R 3,597.6	0.0	R 82.8	18.8	0.0	(s)	491.0	R 6,671.1	R 659.9	R 7,330.9
2023	4.6	2,573.9	173.6	2,461.2	20.3	12.5	1,111.6	3,779.2	0.0	76.3	18.8	0.0	(s)	539.9	6,988.0	702.6	7,690.6

^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. <https://www.eia.gov/state/seds/>

Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2023, Texas

Year	Coal	Natural gas ^a	Petroleum								Electricity ^g	End use ^{h,i}	Electrical system energy losses ^j	Total ^{f,h,i}
			Aviation gasoline	Distillate fuel oil ^b	HGL ^c	Jet fuel ^d	Lubricants	Motor gasoline ^e	Residual fuel oil	Total ^f				
	Thousand short tons	Billion cubic feet	Thousand barrels								Million kilowatthours			
1960	18	52	3,261	13,571	2,024	10,842	1,780	87,381	17,736	136,595	8	--	--	--
1965	4	68	3,457	15,810	4,588	15,365	1,814	104,577	12,346	157,957	4	--	--	--
1970	2	96	2,007	22,454	5,587	24,430	1,623	139,292	11,667	207,059	0	--	--	--
1975	1	82	1,312	37,391	4,969	27,308	1,738	173,854	25,049	271,622	0	--	--	--
1980	0	105	1,264	48,286	649	30,934	1,909	177,228	45,812	306,082	0	--	--	--
1985	0	92	1,317	53,074	609	74,500	1,738	198,761	21,610	351,609	0	--	--	--
1990	0	106	838	47,369	479	95,903	1,955	198,773	25,865	371,182	0	--	--	--
1995	0	82	645	64,957	322	83,002	1,865	209,319	20,024	380,135	0	--	--	--
2000	0	63	609	82,848	234	102,717	1,992	247,076	21,007	456,482	30	--	--	--
2005	0	83	511	104,804	468	80,382	1,681	272,404	22,460	482,710	71	--	--	--
2006	0	87	494	118,413	520	81,452	1,638	279,135	23,981	505,633	62	--	--	--
2007	0	92	492	119,276	362	75,409	1,691	285,654	29,491	512,375	67	--	--	--
2008	0	111	418	112,333	662	72,516	1,570	283,911	25,090	496,501	69	--	--	--
2009	0	119	347	107,168	502	61,808	1,411	284,533	21,861	477,631	71	--	--	--
2010	0	82	622	115,544	152	45,595	2,667	287,738	27,828	480,145	74	--	--	--
2011	0	88	676	123,477	118	46,157	2,637	283,589	26,556	483,210	68	--	--	--
2012	0	141	693	122,040	123	45,480	2,438	286,670	19,135	476,579	70	--	--	--
2013	0	297	651	129,756	179	47,262	2,668	295,443	18,813	494,772	61	--	--	--
2014	0	105	451	146,862	394	47,670	3,012	309,840	19,345	527,575	172	--	--	--
2015	0	89	384	145,823	423	52,275	3,235	320,204	19,214	541,558	180	--	--	--
2016	0	89	407	143,858	475	53,026	3,036	329,232	28,421	558,455	182	--	--	--
2017	0	86	462	148,219	415	R 52,622	2,814	331,492	28,394	564,419	182	--	--	--
2018	0	120	426	161,822	231	R 53,256	2,784	337,371	23,016	R 578,907	187	--	--	--
2019	0	175	415	164,815	242	R 56,709	R 2,780	339,778	24,382	R 589,122	187	--	--	--
2020	0	201	384	143,473	119	R 35,047	R 2,352	292,013	20,139	R 493,527	174	--	--	--
2021	0	228	385	149,643	94	R 44,202	R 2,536	323,151	25,852	R 548,135	180	--	--	--
2022	0	R 254	398	R 154,587	307	R 49,857	R 2,725	332,631	26,491	R 569,207	180	--	--	--
2023	0	258	378	150,810	326	55,358	1,986	337,799	21,990	571,853	169	--	--	--

Trillion Btu

1960	0.3	54.1	16.5	79.1	7.8	58.6	10.8	459.0	111.5	743.2	(s)	797.6	0.1	797.7
1965	0.1	70.0	17.5	92.1	17.6	84.3	11.0	549.3	77.6	849.5	(s)	919.6	(s)	919.6
1970	(s)	98.8	10.1	130.8	21.5	135.9	9.8	731.7	73.3	1,113.2	0.0	1,212.1	0.0	1,212.1
1975	(s)	84.6	6.6	217.8	19.1	152.7	10.5	913.3	157.5	1,477.5	0.0	1,562.0	0.0	1,562.0
1980	0.0	108.1	6.4	281.3	2.5	173.3	11.6	931.0	288.0	1,694.0	0.0	1,802.1	0.0	1,802.1
1985	0.0	95.6	6.6	309.2	2.3	420.5	10.5	1,044.1	135.9	1,929.2	0.0	2,027.5	0.0	2,027.5
1990	0.0	110.5	4.2	275.9	1.8	542.1	11.9	1,044.2	162.6	2,042.8	0.0	2,155.2	0.0	2,155.2
1995	0.0	85.7	3.3	378.0	1.2	470.5	11.3	1,089.3	125.9	2,079.5	0.0	2,165.2	0.0	2,165.2
2000	0.0	65.2	3.1	482.1	0.9	582.4	12.1	1,285.0	132.1	2,497.7	0.1	2,562.9	0.2	2,563.2
2005	0.0	85.4	2.6	609.8	1.8	455.8	10.2	1,414.3	141.2	2,635.6	0.2	2,722.5	0.4	2,723.0
2006	0.0	89.4	2.5	687.2	2.0	461.8	9.9	1,447.3	150.8	2,761.5	0.2	2,854.8	0.4	2,855.2
2007	0.0	93.9	2.5	689.9	1.4	427.6	10.3	1,468.8	185.4	2,785.8	0.2	2,885.0	0.5	2,885.5
2008	0.0	114.4	2.1	R 649.3	2.5	411.2	9.5	1,449.7	157.7	2,682.0	0.2	R 2,801.0	0.5	R 2,801.5
2009	0.0	122.4	1.8	R 619.0	1.9	350.5	8.6	1,448.3	137.4	R 2,567.4	0.2	R 2,690.0	0.5	R 2,690.5
2010	0.0	84.9	3.1	R 667.2	0.6	258.5	16.2	1,458.0	175.0	R 2,578.6	0.3	R 2,663.7	0.5	R 2,664.2
2011	0.0	90.2	3.4	R 712.2	0.5	261.7	16.0	1,435.8	167.0	R 2,596.6	0.2	R 2,687.0	0.4	R 2,687.5
2012	0.0	144.6	3.5	R 703.7	0.5	257.9	14.8	1,451.1	120.3	R 2,551.7	0.2	R 2,696.6	0.4	R 2,697.0
2013	0.0	304.6	3.3	R 747.4	0.7	268.0	16.2	1,494.9	118.3	R 2,648.7	0.2	R 2,953.6	0.4	R 2,954.0
2014	0.0	109.0	2.3	R 846.0	1.5	270.3	18.3	1,567.5	121.6	R 2,827.4	0.6	R 2,937.0	1.0	R 2,938.1
2015	0.0	92.4	1.9	R 840.0	1.6	296.4	19.6	1,619.3	120.8	R 2,899.7	0.6	R 2,992.7	1.0	R 2,993.8
2016	0.0	92.1	2.1	R 827.8	1.8	300.7	18.4	1,664.3	178.7	R 2,993.7	0.6	R 3,086.4	1.0	R 3,087.4
2017	0.0	88.8	2.3	R 853.0	1.6	298.4	17.1	1,675.0	178.5	R 3,025.9	0.6	R 3,115.3	1.0	R 3,116.3
2018	0.0	123.1	2.2	R 931.8	0.9	R 302.0	16.9	1,705.1	144.7	R 3,103.4	0.6	R 3,227.2	1.0	R 3,228.1
2019	0.0	179.9	2.1	R 949.2	0.9	R 321.5	16.9	1,716.6	153.3	R 3,160.4	0.6	R 3,341.0	0.9	R 3,341.9
2020	0.0	205.4	1.9	R 825.9	0.5	R 198.7	14.3	1,475.2	126.6	R 2,643.1	0.6	R 2,849.2	0.8	R 2,850.0
2021	0.0	232.7	1.9	R 862.7	0.4	R 250.6	15.4	1,631.9	162.5	R 2,937.7	0.6	R 3,171.0	0.9	R 3,171.8
2022	0.0	R 258.5	2.0	R 891.3	1.2	R 282.7	16.5	1,679.5	166.5	R 3,051.6	0.6	R 3,310.7	0.8	R 3,311.5
2023	0.0	263.1	1.9	869.4	1.3	313.9	12.0	1,705.5	138.3	3,059.5	0.6	3,323.2	0.7	3,323.9

^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." There is a discontinuity in this time series between 2009 and 2010 because of data source and methodology changes, see technical notes.^e Beginning in 1993, includes fuel ethanol blended into motor gasoline.^f Beginning in 2021, includes other petroleum products (biofuels product supplied) not shown separately.^g 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.^h There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.ⁱ For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.^j 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. <https://www.eia.gov/state/seds/>

Table CT8. Electric power sector consumption estimates, selected years, 1960-2023, Texas

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	0	407	18	0	43	61	0	1,102	--		0	NA	NA	-175
1965	0	640	14	0	33	47	0	743	--	0	NA	NA	-82	--
1970	0	1,062	45	0	104	149	0	1,005	--	0	NA	NA	-122	--
1975	9,044	1,353	75	0	1,740	1,815	0	1,922	--	0	NA	NA	-343	--
1980	45,351	1,430	1,126	0	660	1,786	0	979	--	0	NA	NA	-581	--
1985	71,818	1,198	775	0	881	1,657	0	1,401	--	0	0	0	-4	--
1990	87,248	1,134	721	0	254	975	15,859	1,794	--	0	(s)	0	-63	--
1995	88,358	1,207	534	2,460	62	3,055	36,151	1,703	--	0	(s)	0	-925	--
2000	97,076	1,578	2,147	2,836	401	5,385	37,556	829	--	0	(s)	492	-16	--
2005	101,233	1,466	317	2,726	29	3,071	38,232	1,333	--	0	0	4,237	-216	--
2006	99,661	1,464	242	2,926	55	3,224	41,264	662	--	0	0	6,671	-212	--
2007	102,916	1,474	241	2,068	46	2,355	40,955	1,644	--	0	0	9,006	-243	--
2008	101,840	1,440	193	1,844	6	2,043	40,727	1,039	--	0	0	16,225	-52	--
2009	95,407	1,387	135	2,550	0	2,685	41,498	1,029	--	0	0	20,026	110	--
2010	100,281	1,349	200	944	0	1,144	41,335	1,262	--	0	8	26,251	-12	--
2011	110,098	1,454	265	1,124	(s)	1,389	39,648	563	--	0	29	30,548	-224	--
2012	97,305	1,517	235	126	26	386	38,441	584	--	0	118	32,214	-223	--
2013	102,487	1,423	177	233	0	410	38,315	480	--	0	161	35,874	-669	--
2014	101,658	1,425	200	0	0	200	39,287	386	--	0	280	39,982	-424	--
2015	86,779	1,624	207	0	0	207	39,355	956	--	0	399	44,803	-253	--
2016	86,130	1,534	151	0	0	151	42,079	1,342	--	0	729	57,483	-1,948	--
2017	93,488	1,370	137	0	0	137	38,581	1,060	--	0	2,187	67,008	-5,591	--
2018	75,899	1,644	110	0	0	110	41,186	1,125	--	0	3,204	75,637	4,668	--
2019	63,311	1,787	94	0	0	94	41,298	1,474	--	0	4,362	83,557	-4,446	--
2020	56,069	1,739	91	0	0	91	41,439	1,079	--	0	8,534	92,386	-3,066	--
2021	61,762	1,626	402	0	0	402	40,211	1,082	--	0	14,918	99,420	-2,422	--
2022	59,068	1,805	571	0	0	571	41,607	620	--	0	22,430	114,740	-3,524	--
2023	50,706	2,018	482	0	0	482	40,680	758	--	0	28,138	119,824	-652	--

Trillion Btu

1960	0.0	421.6	0.1	0.0	0.3	0.4	0.0	3.8	0.0	0.0	NA	NA	-0.6	425.1
1965	0.0	663.2	0.1	0.0	0.2	0.3	0.0	2.5	0.9	0.0	NA	NA	-0.3	666.7
1970	0.0	1,090.3	0.3	0.0	0.7	0.9	0.0	3.4	1.0	0.0	NA	NA	-0.4	1,095.2
1975	118.5	1,379.0	0.4	0.0	10.9	11.4	0.0	6.6	0.9	0.0	NA	NA	-1.2	1,515.2
1980	670.8	1,482.9	6.6	0.0	4.2	10.7	0.0	3.3	0.8	0.0	NA	NA	-2.0	2,166.6
1985	1,063.4	1,240.7	4.5	0.0	5.5	10.1	0.0	4.8	3.1	0.0	0.0	0.0	(s)	2,322.1
1990	1,271.9	1,174.0	4.2	0.0	1.6	5.8	167.8	6.1	3.3	0.0	(s)	0.1	-0.2	2,628.3
1995	1,301.1	1,237.7	3.1	14.8	0.4	18.3	379.8	5.8	0.4	0.0	(s)	0.0	-3.2	2,940.0
2000	1,474.9	1,610.7	12.5	17.1	2.5	32.1	391.7	2.8	0.9	0.0	(s)	1.7	-0.1	3,514.7
2005	1,557.5	1,507.4	1.8	15.6	0.2	17.6	399.0	4.5	2.7	0.0	0.0	14.5	-0.7	3,502.5
2006	1,539.4	1,501.2	1.4	16.7	0.3	18.5	430.6	2.3	2.7	0.0	0.0	22.8	-0.7	3,516.7
2007	1,568.7	1,507.8	1.4	11.8	0.3	13.5	429.6	5.6	4.2	0.0	0.0	30.7	-0.8	3,559.3
2008	1,566.6	1,472.7	1.1	10.5	(s)	11.7	425.7	3.5	4.9	0.0	0.0	55.4	-0.2	3,540.3
2009	1,480.4	1,415.8	0.8	14.6	0.0	15.4	434.0	3.5	4.4	0.0	0.0	68.3	0.4	3,422.3
2010	1,553.9	1,375.3	1.2	5.4	0.0	6.6	432.0	4.3	5.1	0.0	(s)	89.6	(s)	3,466.8
2011	1,675.5	1,484.0	1.5	6.4	(s)	8.0	414.9	1.9	6.3	0.0	0.1	104.2	-0.8	3,694.1
2012	1,478.7	1,550.5	1.4	0.7	0.2	2.2	402.8	2.0	8.5	0.0	0.4	109.9	-0.8	3,554.3
2013	1,575.5	1,455.1	1.0	1.3	0.0	2.4	400.4	1.6	8.1	0.0	0.5	122.4	-2.3	3,563.7
2014	1,558.3	1,462.0	1.2	0.0	0.0	1.2	410.9	1.3	10.5	0.0	1.0	136.4	-1.4	3,580.0
2015	1,319.8	1,675.7	1.2	0.0	0.0	1.2	411.6	3.3	10.8	0.0	1.4	152.9	-0.9	3,575.8
2016	1,309.3	1,580.0	0.9	0.0	0.0	0.9	440.1	4.6	8.9	0.0	2.5	196.1	-6.6	3,535.8
2017	1,439.5	1,411.6	0.8	0.0	0.0	0.8	403.5	3.6	7.5	0.0	7.5	228.6	-19.1	3,483.6
2018	1,178.6	1,689.4	0.6	0.0	0.0	0.6	430.6	3.8	7.8	0.0	10.9	258.1	15.9	3,595.7
2019	982.8	1,828.8	0.5	0.0	0.0	0.5	431.2	5.0	6.4	0.0	14.9	285.1	-15.2	3,539.6
2020	866.7	1,773.4	0.5	0.0	0.0	0.5	432.9	3.7	5.2	0.0	29.1	315.2	-10.5	3,415.6
2021	962.4	1,661.6	2.3	0.0	0.0	2.3	419.4	3.7	5.8	0.0	50.9	339.2	-8.3	3,436.0
2022	926.2	1,839.2	3.3	0.0	0.0	3.3	R 434.7	2.1	9.1	0.0	76.5	391.5	-12.0	R 3,668.5
2023	801.0	2,053.5	2.8	0.0	0.0	2.8	425.2	2.6	6.3	0.0	96.0	408.8	-2.2	3,789.0

^a Includes supplemental gaseous fuels that are commingled with natural gas.^b Excludes biodiesel. 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. Beginning in 2006, includes small amount of other biomass liquids that are biodiesel. 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. <https://www.eia.gov/state/seds/>