

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Texas
(trillion Btu)

Year	Fossil fuels										Fossil fuels (as commingled)			
	Coal	Natural gas excluding supplemental gaseous fuels ^a	Petroleum							Total	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	746.5	1,303.5	350.5	1,402.5	158.9	1,096.9	5,058.7	10,037.7	3,481.1	753.6	1,469.2	
2010	1,568.1	3,689.6	806.7	R 1,554.6	258.5	1,402.7	195.7	R 1,172.8	R 5,390.9	R 10,648.6	3,689.6	811.8	1,488.8	
2011	1,695.2	3,800.6	902.7	R 1,495.2	261.7	1,365.8	195.8	R 1,168.2	R 5,389.3	R 10,885.1	3,800.6	916.0	1,467.9	
2012	1,498.8	3,964.1	912.2	R 1,633.2	257.9	1,385.3	134.2	R 1,177.5	R 5,500.2	R 10,963.1	3,964.1	926.3	1,481.0	
2013	1,597.4	4,131.2	930.2	R 1,805.4	268.0	1,431.8	128.7	R 1,259.8	R 5,823.9	R 11,552.5	4,131.2	957.3	1,527.4	
2014	1,586.0	4,060.6	1,065.3	R 1,682.9	270.3	1,486.1	133.4	R 1,160.2	R 5,798.2	R 11,444.7	4,060.6	1,094.2	1,591.7	
2015	1,340.4	4,263.9	985.9	R 1,880.7	296.4	1,554.7	128.6	R 1,173.8	R 6,020.2	R 11,624.5	4,263.9	1,016.2	1,663.9	
2016	1,323.1	4,151.1	980.0	R 1,887.4	300.7	1,586.9	191.3	R 1,226.5	R 6,172.8	R 11,647.0	4,151.1	1,020.1	1,708.5	
2017	1,452.0	3,987.8	1,006.3	R 1,936.0	298.4	1,596.0	194.3	R 1,245.7	R 6,276.8	R 11,716.5	3,987.8	1,045.0	1,719.1	
2018	1,189.3	4,596.6	1,102.3	R 2,276.5	301.9	1,625.3	159.5	R 1,246.9	R 6,712.3	R 12,498.2	4,596.6	1,139.8	1,749.9	
2019	992.7	4,795.2	1,112.6	R 2,352.7	321.3	1,634.0	165.6	R 1,254.2	R 6,840.4	R 12,628.3	4,795.2	1,148.7	1,761.5	
2020	872.8	R 4,783.3	939.1	R 2,321.2	198.4	1,409.6	136.9	R 1,169.2	R 6,174.4	R 11,930.5	R 4,784.9	973.3	1,520.6	
2021	968.4	R 4,773.1	R 1,041.2	R 2,567.0	250.5	1,553.9	177.2	R 1,201.0	R 6,776.1	R 12,517.6	R 4,775.7	R 1,056.7	1,677.2	
2022	932.6	4,977.4	1,068.8	2,299.3	282.4	1,599.7	181.6	1,154.4	6,572.7	12,482.6	4,982.3	1,084.5	1,727.2	

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

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, Texas (continued)
(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity ^k	Electricity net imports ^l	Total ^f
		Hydro-electric power ^{e,f}	Biomass						Geo-thermal ^f	Solar ^{fj}	Wind	Total ^f			
			Wood and waste ^{fg}	Fuel ethanol ^h	Biodiesel	Renewable diesel	Losses and co-products ⁱ	Total ^f							
1960	0.0	R 3.8	38.3	NA	NA	NA	NA	38.3	0.0	NA	NA	R 42.1	R -57.4	-0.6	R 4,360.6
1965	0.0	R 2.5	41.2	NA	NA	NA	NA	41.2	0.0	NA	NA	R 43.7	R -87.2	-0.3	R 5,130.1
1970	0.0	R 3.4	52.2	NA	NA	NA	NA	52.2	0.0	NA	NA	R 55.6	R -99.5	-0.4	R 6,800.7
1971	0.0	R 3.0	51.3	NA	NA	NA	NA	51.3	0.0	NA	NA	R 54.3	R -132.4	-0.6	R 7,100.5
1972	0.0	R 2.8	58.9	NA	NA	NA	NA	58.9	0.0	NA	NA	R 61.8	R -153.9	-0.7	R 7,484.5
1973	0.0	R 5.8	60.4	NA	NA	NA	NA	60.4	0.0	NA	NA	R 66.2	R -128.6	-1.1	R 8,104.2
1974	0.0	R 5.6	59.7	NA	NA	NA	NA	59.7	0.0	NA	NA	R 65.2	R -158.0	-1.2	R 7,935.8
1975	0.0	R 6.6	55.8	NA	NA	NA	NA	55.8	0.0	NA	NA	R 62.4	R -171.3	-1.2	R 7,353.7
1976	0.0	R 3.6	64.9	NA	NA	NA	NA	64.9	0.0	NA	NA	R 68.5	R -161.7	-0.8	R 7,688.3
1977	0.0	R 4.0	70.4	NA	NA	NA	NA	70.4	0.0	NA	NA	R 74.4	R -150.7	-0.2	R 8,351.9
1978	0.0	R 2.6	76.3	NA	NA	NA	NA	76.3	0.0	NA	NA	R 78.9	R -191.7	-0.1	R 8,780.9
1979	0.0	R 4.1	77.3	NA	NA	NA	NA	77.3	0.0	NA	NA	R 81.4	R -213.6	-0.1	R 9,148.1
1980	0.0	R 3.3	55.6	NA	NA	NA	NA	55.6	0.0	NA	NA	R 59.0	R -252.0	-2.0	R 9,217.2
1981	0.0	R 3.9	58.5	0.0	NA	NA	(s)	58.5	0.0	NA	NA	R 62.5	R -254.2	-1.0	R 8,985.6
1982	0.0	R 3.5	69.7	0.3	NA	NA	(s)	70.0	0.0	NA	NA	R 73.5	R -254.5	(s)	R 8,273.3
1983	0.0	R 3.8	64.1	2.3	NA	NA	(s)	66.4	0.0	NA	0.0	R 70.2	R -226.1	0.2	R 8,192.2
1984	0.0	R 3.5	76.2	1.6	NA	NA	(s)	77.9	0.0	0.0	0.0	R 81.4	R -175.8	0.2	R 8,735.2
1985	0.0	R 4.8	78.8	2.8	NA	NA	(s)	81.7	0.0	0.0	0.0	R 86.4	R -117.2	(s)	R 8,824.1
1986	0.0	R 6.7	89.7	2.7	NA	NA	(s)	92.5	0.0	0.0	0.0	R 99.2	R -81.7	(s)	R 8,816.5
1987	0.0	R 7.4	94.4	3.8	NA	NA	(s)	98.2	0.0	0.0	0.0	R 105.6	R -35.8	-0.1	R 9,079.4
1988	40.2	R 4.2	96.1	2.9	NA	NA	(s)	99.0	0.0	0.0	0.0	R 103.2	R -22.0	-0.1	R 9,671.4
1989	105.7	R 4.9	109.8	2.2	NA	NA	(s)	112.0	0.2	R 0.3	0.0	R 117.5	R -177.1	-0.2	R 9,919.2
1990	167.8	R 6.1	96.0	2.0	NA	NA	(s)	98.0	0.2	0.4	0.0	R 104.7	R -161.1	-0.2	R 10,080.0
1991	207.6	R 7.6	96.4	2.0	NA	NA	(s)	98.4	0.3	0.4	0.0	R 106.7	R -172.1	-1.5	R 10,080.0
1992	256.5	R 9.0	105.8	2.3	NA	NA	(s)	108.1	0.3	0.4	0.0	R 117.8	R -213.4	-3.3	R 10,236.3
1993	330.3	R 6.1	98.0	0.5	NA	NA	0.0	98.6	0.3	0.4	0.0	R 105.4	R -176.7	-2.7	R 10,339.4
1994	300.4	R 5.2	97.5	1.3	NA	NA	0.0	98.8	0.3	0.5	0.0	R 104.8	R -172.6	-3.3	R 10,653.3
1995	379.8	R 5.8	99.5	4.2	NA	NA	0.0	103.7	0.4	0.5	0.0	R 110.3	R -210.7	-3.2	R 10,800.2
1996	375.7	R 3.3	98.8	1.6	NA	NA	0.0	100.4	0.4	0.5	R 0.3	R 104.9	R -156.8	-3.5	R 11,572.2
1997	392.0	R 6.1	102.6	3.7	NA	NA	0.0	106.3	0.5	0.5	R 0.3	R 113.6	R -149.1	-2.0	R 11,972.4
1998	405.8	R 4.9	93.7	5.5	NA	NA	0.0	99.1	0.5	0.5	R 0.3	R 105.3	R -163.1	2.5	R 12,151.6
1999	384.1	R 3.8	78.1	4.7	NA	NA	0.0	82.9	0.6	0.6	R 1.1	R 88.9	R -205.6	0.6	R 11,778.9
2000	391.7	R 2.8	81.5	5.4	NA	NA	0.0	86.9	0.6	0.5	R 1.7	R 92.5	R -216.4	-0.1	R 12,133.2
2001	398.5	R 4.1	70.7	5.5	0.1	NA	0.0	76.3	0.6	0.5	R 4.1	R 85.6	R -206.7	(s)	R 11,927.0
2002	371.9	R 3.8	81.3	2.4	0.2	NA	0.0	84.0	0.7	0.5	R 9.1	R 98.1	R -172.3	-0.7	R 12,216.7
2003	348.5	R 3.1	78.9	1.9	0.2	NA	0.0	81.1	0.9	0.5	R 8.8	R 94.3	R -195.4	-0.7	R 12,006.8
2004	421.7	R 4.4	74.8	2.3	0.4	NA	0.0	77.5	1.0	0.5	R 10.7	R 94.2	R -295.1	-0.7	R 12,047.5
2005	399.0	R 4.5	80.2	1.4	1.3	NA	(s)	82.8	1.2	0.5	R 14.5	R 103.5	R -233.4	-0.7	R 11,505.2
2006	430.6	R 2.3	77.7	37.6	3.7	NA	(s)	119.0	1.3	0.5	R 22.8	R 145.8	R -184.7	-0.7	R 11,632.2
2007	429.6	R 5.6	84.5	53.6	5.0	NA	0.1	143.2	1.5	0.5	R 30.7	R 181.5	R -51.7	-0.8	R 11,711.4
2008	425.7	R 3.5	100.0	63.8	4.3	NA	10.6	178.7	1.7	0.5	R 55.4	R 239.8	R -16.9	-0.2	R 11,553.0
2009	434.0	R 3.5	64.2	66.7	4.6	NA	9.3	144.8	2.1	R 0.5	R 68.3	R 219.2	R 54.3	0.4	R 10,745.6
2010	432.0	R 4.3	85.4	86.0	3.7	NA	11.5	186.6	2.3	R 0.6	R 89.6	R 283.4	R 59.4	(s)	R 11,423.4
2011	414.9	R 1.9	91.0	102.1	12.5	0.0	13.2	218.9	2.5	R 0.8	R 104.2	R 328.3	R 0.1	-0.8	R 11,627.7
2012	402.8	R 2.0	89.8	95.7	15.5	0.0	15.4	216.4	2.5	R 1.2	R 109.9	R 332.0	R -39.7	-0.8	R 11,657.5
2013	400.4	R 1.6	95.3	95.6	29.3	0.0	11.5	231.7	2.5	R 1.5	R 122.4	R 359.7	R 87.8	-2.3	R 12,398.0
2014	410.9	R 1.3	94.8	105.6	25.6	0.0	16.6	242.7	2.5	R 2.1	R 136.5	R 385.1	R 120.9	-1.4	R 12,360.2
2015	411.6	R 3.3	81.4	109.2	28.2	0.0	18.7	237.5	2.5	R 2.7	R 153.0	R 398.9	R 43.1	-0.9	R 12,477.1
2016	440.1	R 4.6	80.9	121.6	42.4	0.0	19.3	264.1	2.5	R 4.4	R 196.3	R 471.9	R 78.0	-6.6	R 12,630.4
2017	403.5	R 3.6	80.5	123.1	37.2	0.0	19.6	260.4	2.5	R 9.7	R 228.8	R 505.0	R 132.5	-19.1	R 12,738.5
2018	430.6	R 3.8	86.7	124.5	42.2	0.0	18.8	272.2	2.5	R 14.0	R 258.3	R 550.8	R 48.7	15.9	R 13,544.3
2019	431.2	R 5.0	80.9	127.6	38.3	0.0	16.2	R 263.1	2.5	R 18.9	R 285.3	R 574.8	R 105.8	-15.2	R 13,725.0
2020	432.9	R 3.7	R 79.5	111.0	34.1	0.0	12.6	R 237.1	2.5	R 35.2	R 315.4	R 594.0	R 128.0	-10.5	R 12,974.8
2021	R 419.4	R 3.7	R 83.5	123.3	R 25.5	0.0	15.6	R 247.9	2.5	R 59.3	R 339.4	R 652.8	R 130.7	-8.3	R 13,712.2
2022	433.9	2.1	89.6	127.5	23.2	0.0	18.8	259.1	2.5	87.4	391.7	742.8	133.3	-12.0	13,780.6

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

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

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

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

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

^j Solar thermal and photovoltaic energy.

^k Includes the energy losses associated with the generation, transmission, and distribution of the electricity flowing across state lines. A positive number indicates that more electricity came into the state than went out of the state during the year.

Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

^l Electricity traded with Canada and Mexico. Calculated by converting net imports in 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. <http://www.eia.gov/state/seds/>