

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

Year	Fossil fuels										Fossil fuels (as commingled)			
	Coal	Natural gas excluding supplemental gaseous fuels <sup>a</sup>	Petroleum							Total	Total	Natural gas including supplemental gaseous fuels <sup>a</sup>	Distillate fuel oil including biofuels <sup>a</sup>	Motor gasoline including fuel ethanol <sup>a</sup>
			Distillate fuel oil excluding biofuels <sup>a</sup>	HGL <sup>b</sup>	Jet fuel <sup>c</sup>	Motor gasoline excluding fuel ethanol <sup>a</sup>	Residual fuel oil	Other <sup>d</sup>	Total					
1960	374.5	151.7	30.8	5.0	3.1	143.2	1.2	44.9	228.2	754.5	151.7	30.8	143.2	
1965	338.9	211.1	42.5	7.3	6.5	170.6	1.8	62.6	291.3	841.3	211.1	42.5	170.6	
1970	403.7	261.8	63.8	12.2	18.8	219.9	3.8	70.8	389.2	1,054.8	261.8	63.8	219.9	
1971	370.0	270.8	67.4	12.2	18.8	233.8	2.3	68.4	402.9	1,043.7	270.8	67.4	233.8	
1972	444.3	283.4	83.5	13.4	19.4	253.9	3.3	71.0	444.5	1,172.2	283.4	83.5	253.9	
1973	532.9	300.1	92.1	14.6	21.4	275.2	4.1	78.5	485.9	1,319.0	300.1	92.1	275.2	
1974	470.3	265.4	94.4	13.2	21.6	271.2	5.5	64.5	470.4	1,206.1	265.4	94.4	271.2	
1975	471.9	224.1	101.8	14.6	22.2	282.3	4.5	67.4	492.8	1,188.8	224.1	101.8	282.3	
1976	561.5	218.5	128.2	14.3	23.2	295.5	18.6	71.8	551.6	1,331.6	218.5	128.2	295.5	
1977	553.7	208.4	140.4	13.4	24.7	302.9	21.2	80.0	582.7	1,344.8	208.4	140.4	302.9	
1978	564.7	189.2	159.6	13.8	26.4	315.5	14.4	80.5	610.1	1,364.0	189.2	159.6	315.5	
1979	542.3	233.9	140.7	11.2	27.7	300.2	15.4	71.7	566.8	1,343.0	233.9	140.7	300.2	
1980	576.9	233.3	111.7	10.4	23.4	288.6	9.4	57.4	501.0	1,311.2	233.3	111.7	288.6	
1981	565.9	227.1	113.8	5.6	19.7	286.8	7.7	58.8	492.5	1,285.5	227.1	113.8	286.8	
1982	470.7	212.0	109.6	8.5	12.9	286.4	4.5	61.8	483.7	1,166.4	212.0	109.6	286.4	
1983	547.1	199.0	117.4	8.6	11.6	282.9	6.6	50.7	477.7	1,223.9	199.0	117.4	282.9	
1984	555.3	211.3	125.7	8.3	20.5	301.5	4.4	59.1	519.4	1,286.0	211.3	125.7	301.5	
1985	599.7	196.7	131.6	8.5	27.5	304.9	3.4	60.9	536.8	1,333.2	196.7	131.6	304.9	
1986	605.7	194.0	131.8	10.0	33.5	316.7	3.7	56.0	551.7	1,351.5	194.0	131.8	316.7	
1987	596.5	207.0	136.1	9.8	32.1	302.0	2.0	62.1	544.1	1,347.6	207.0	136.1	302.0	
1988	610.6	220.8	139.6	11.6	23.9	311.5	2.8	62.5	551.9	1,383.3	220.8	139.6	311.5	
1989	566.9	228.5	140.1	13.1	24.6	315.5	2.9	71.0	567.1	1,362.5	228.5	140.1	315.5	
1990	600.5	227.5	142.7	10.9	23.6	304.7	1.9	69.4	553.2	1,381.3	227.5	142.7	304.7	
1991	565.4	234.6	130.8	12.0	19.3	295.0	2.5	66.5	526.1	1,326.1	234.6	130.8	295.0	
1992	590.3	249.2	137.1	17.5	25.3	307.8	2.5	71.3	561.4	1,401.0	249.2	137.1	307.8	
1993	685.7	263.1	136.5	13.4	37.2	317.3	3.3	65.2	572.8	1,521.6	263.1	136.5	317.3	
1994	622.7	254.0	135.9	13.1	44.0	325.0	2.9	72.0	592.9	1,469.6	254.0	135.9	325.0	
1995	669.0	264.9	150.4	12.8	45.9	336.1	2.3	70.3	617.8	1,551.7	264.9	150.4	336.1	
1996	650.8	289.3	156.2	16.2	52.8	338.0	1.3	69.9	634.5	1,574.5	289.3	156.2	338.0	
1997	680.6	291.8	156.8	15.1	53.5	344.3	1.0	66.3	637.0	1,609.5	291.8	156.8	344.3	
1998	651.8	287.4	169.0	12.4	55.9	351.3	1.0	81.7	671.3	1,610.5	287.4	169.0	351.3	
1999	648.3	286.4	154.8	17.7	67.0	362.9	0.3	86.2	688.9	1,623.6	286.4	154.8	362.9	
2000	705.1	280.7	163.2	20.6	72.9	358.1	0.4	81.7	697.0	1,682.7	280.7	163.2	358.1	
2001	687.4	265.5	166.4	16.6	71.2	355.7	0.9	99.5	710.4	1,663.2	265.5	166.4	355.7	
2002	655.9	263.7	173.0	21.6	76.2	374.1	0.9	91.7	737.6	1,657.2	263.7	173.0	374.1	
2003	621.4	265.8	193.8	16.1	75.8	377.1	1.6	91.6	756.0	1,643.2	265.8	193.8	377.1	
2004	648.0	238.8	193.8	17.2	77.2	379.1	2.1	95.8	765.4	1,652.2	238.8	193.8	379.1	
2005	657.7	238.4	202.5	17.0	78.9	374.3	2.3	107.8	782.7	1,678.8	238.4	202.5	374.3	
2006	677.2	230.0	198.1	17.4	80.6	375.9	1.2	112.8	785.9	1,693.1	230.0	198.1	375.9	
2007	672.8	229.5	204.3	15.1	78.3	375.1	1.1	99.7	773.6	1,675.9	229.5	204.3	375.1	
2008	643.8	238.4	179.0	12.7	71.8	354.2	1.3	95.7	714.8	1,597.0	238.4	179.0	354.2	
2009	477.7	223.0	155.5	12.6	63.4	360.4	0.3	63.4	R 655.6	R 1,356.3	223.0	155.5	360.4	
2010	515.5	263.4	168.4	14.1	70.7	364.1	(s)	R 64.2	R 681.5	R 1,460.3	263.4	168.4	364.1	
2011	481.1	267.9	R 168.8	12.3	68.0	357.5	0.2	R 67.0	R 673.7	R 1,422.8	267.9	R 168.8	357.5	
2012	423.1	281.0	R 159.7	9.1	63.9	351.7	0.4	R 62.4	R 647.2	R 1,351.3	281.0	R 159.7	351.7	
2013	399.8	284.7	R 155.9	9.9	66.1	355.3	0.4	R 69.2	R 656.7	R 1,341.2	284.7	R 155.9	355.3	
2014	427.5	313.9	R 166.9	11.1	66.8	359.2	0.3	R 69.4	R 673.6	R 1,415.0	313.9	R 166.9	359.2	
2015	370.6	322.5	R 166.9	10.1	70.1	370.9	0.2	R 70.8	R 689.1	R 1,382.2	322.5	R 166.9	370.9	
2016	379.8	336.3	R 160.4	9.6	74.2	385.7	0.1	R 73.9	R 704.0	R 1,420.1	336.3	R 160.4	385.7	
2017	334.6	331.6	R 164.3	9.3	77.5	387.1	0.1	R 57.3	R 695.6	R 1,361.8	331.6	R 164.3	387.1	
2018	251.8	404.3	R 177.5	10.8	77.6	380.5	0.3	R 70.2	R 702.1	R 1,358.2	404.3	R 177.5	380.5	
2019	216.9	420.3	R 181.3	11.6	82.9	383.9	0.5	R 71.5	R 715.7	R 1,352.8	420.3	R 181.3	383.9	
2020	176.1	398.6	R 166.4	11.2	R 77.9	349.7	0.5	R 53.8	R 659.5	R 1,234.3	398.6	R 166.4	349.7	
2021	225.8	413.6	R 176.2	11.3	94.7	375.2	0.3	R 57.7	R 713.2	R 1,352.5	413.6	R 176.2	375.2	
2022	204.7	440.0	R 179.8	11.9	R 85.5	377.6	0.3	R 54.1	R 707.1	R 1,351.8	440.0	R 179.8	377.6	
2023	202.4	396.9	174.1	10.2	84.9	381.2	0.3	55.3	702.8	1,302.1	396.9	174.1	381.2	

<sup>a</sup> 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."

<sup>b</sup> Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.

<sup>c</sup> 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.

<sup>d</sup> 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, Tennessee (continued)**  
(trillion Btu)

Year	Nuclear electric power	Renewable energy											Net interstate flow of electricity <sup>l</sup>	Electricity net imports <sup>m</sup>	Total <sup>f,j</sup>
		Hydro-electric power <sup>e,f</sup>	Biomass						Geo-thermal <sup>f</sup>	Solar <sup>f,k</sup>	Wind	Total <sup>f,j</sup>			
			Wood and waste <sup>f,g</sup>	Fuel ethanol <sup>h</sup>	Biodiesel	Renewable diesel	Losses and co-products <sup>i</sup>	Total <sup>f,j</sup>							
1960	0.0	29.6	45.4	NA	NA	NA	45.4	0.0	NA	NA	75.0	72.5	0.0	901.9	
1965	0.0	29.9	46.5	NA	NA	NA	46.5	0.0	NA	NA	76.4	155.4	0.0	1,073.1	
1970	0.0	27.5	53.8	NA	NA	NA	53.8	0.0	NA	NA	81.3	163.7	0.0	1,299.7	
1975	0.0	40.3	54.4	NA	NA	NA	54.4	0.0	NA	NA	94.7	247.4	0.0	1,531.0	
1976	0.0	32.3	61.8	NA	NA	NA	61.8	0.0	NA	NA	94.1	215.6	0.0	1,641.3	
1977	0.0	35.5	67.7	NA	NA	NA	67.7	0.0	NA	NA	103.2	270.5	0.0	1,718.5	
1978	0.0	30.0	72.0	NA	NA	NA	72.0	0.0	NA	NA	102.0	226.1	0.0	1,692.2	
1979	0.0	42.0	79.8	NA	NA	NA	79.8	0.0	NA	NA	121.8	265.9	0.0	1,730.7	
1980	5.7	29.9	69.3	NA	NA	NA	69.3	0.0	NA	NA	99.2	239.9	0.0	1,656.0	
1981	51.9	20.2	74.8	NA	NA	NA	74.8	0.0	NA	NA	95.0	198.4	0.0	1,630.8	
1982	111.9	33.3	81.8	NA	NA	NA	82.0	0.0	NA	NA	115.4	148.3	0.0	1,541.9	
1983	153.2	34.0	82.1	NA	NA	NA	84.8	0.0	NA	NA	118.7	86.7	0.0	1,582.5	
1984	135.6	34.7	92.4	NA	NA	NA	96.8	0.0	NA	NA	131.5	111.4	0.0	1,664.4	
1985	102.7	22.3	93.2	2.4	NA	NA	98.1	0.0	NA	NA	120.4	94.4	0.0	1,650.7	
1986	-1.1	18.2	95.3	3.0	NA	NA	100.8	0.0	NA	NA	119.0	169.9	0.0	1,639.3	
1987	-1.1	25.8	90.4	4.4	NA	NA	97.7	0.0	NA	0.0	123.5	190.8	0.0	1,660.8	
1988	41.8	15.7	95.3	4.9	NA	NA	103.0	0.0	0.0	0.0	118.7	187.7	0.0	1,731.4	
1989	165.1	40.4	75.9	3.7	NA	NA	82.3	(s)	0.1	0.0	122.8	121.9	0.0	1,772.4	
1990	148.2	34.2	56.5	2.0	NA	NA	60.7	(s)	0.1	0.0	95.0	106.1	0.0	1,730.5	
1991	173.9	37.1	60.9	1.5	NA	NA	65.0	(s)	0.1	0.0	102.2	120.0	0.0	1,722.2	
1992	163.9	34.2	61.2	1.8	NA	NA	65.3	(s)	0.1	0.0	99.6	111.4	0.0	1,775.8	
1993	34.7	30.6	55.1	2.1	NA	NA	59.7	(s)	0.1	0.0	90.3	169.2	0.0	1,815.8	
1994	124.7	41.0	56.6	2.9	NA	NA	61.9	(s)	0.1	0.0	103.0	148.1	0.0	1,845.4	
1995	165.0	32.9	60.4	1.2	NA	NA	64.0	(s)	0.1	0.0	96.9	69.1	0.0	1,882.8	
1996	240.8	39.1	56.0	(s)	NA	NA	56.9	(s)	0.1	0.0	96.2	63.1	0.0	1,974.6	
1997	258.7	37.7	47.3	(s)	NA	NA	49.0	(s)	0.1	0.0	86.8	6.0	0.0	1,960.9	
1998	297.8	36.9	46.5	(s)	NA	NA	48.6	(s)	0.1	0.0	85.5	49.2	0.0	2,043.1	
1999	284.5	26.6	50.0	0.0	NA	NA	52.0	(s)	0.1	0.0	78.7	116.9	0.0	2,103.8	
2000	269.3	21.8	52.8	0.0	NA	NA	55.2	(s)	0.1	0.0	77.1	121.6	0.0	2,150.8	
2001	298.4	23.7	64.4	0.0	NA	NA	67.0	0.1	(s)	0.0	90.8	106.5	0.0	2,158.9	
2002	287.9	27.2	63.5	0.0	NA	NA	67.2	0.1	(s)	(s)	84.5	134.8	0.0	2,174.4	
2003	251.7	41.0	58.3	0.0	NA	NA	62.5	0.1	(s)	(s)	103.6	166.6	(s)	2,165.1	
2004	298.4	35.5	71.6	0.0	NA	NA	75.5	0.1	(s)	(s)	111.1	146.4	(s)	2,208.1	
2005	290.2	31.8	65.0	11.9	0.3	NA	80.8	0.1	(s)	(s)	112.7	191.2	0.0	2,272.9	
2006	257.5	26.4	57.2	12.5	0.8	NA	74.1	0.1	(s)	0.2	100.9	222.1	0.0	2,273.6	
2007	301.0	16.9	56.4	16.0	1.1	NA	77.4	0.1	(s)	0.2	94.5	231.7	0.0	2,303.1	
2008	282.5	19.3	66.2	21.9	0.9	NA	93.6	0.1	(s)	0.2	113.2	242.6	0.0	2,235.4	
2009	282.0	34.8	55.2	26.4	1.0	NA	91.9	0.2	(s)	0.2	127.2	244.7	0.0	2,010.1	
2010	289.9	27.8	62.7	23.9	0.8	NA	96.8	0.2	(s)	0.1	124.9	309.2	0.0	2,184.4	
2011	281.7	32.7	59.8	24.7	2.7	NA	97.2	0.2	(s)	0.2	130.2	280.7	0.0	2,115.4	
2012	263.0	28.3	63.5	25.9	2.6	NA	101.1	0.2	0.1	0.2	129.8	266.1	0.0	2,010.2	
2013	297.7	42.5	65.5	27.0	4.6	NA	106.4	0.2	0.3	0.2	149.5	253.3	0.0	2,041.8	
2014	289.4	30.4	68.1	26.8	4.3	NA	108.6	0.2	0.3	0.2	139.7	283.2	0.0	2,127.4	
2015	261.0	32.7	66.9	25.7	4.3	0.0	99.3	0.2	0.5	0.2	139.6	315.6	0.0	2,098.4	
2016	309.4	23.1	63.9	26.8	6.2	0.0	99.9	0.2	0.6	0.1	130.8	280.0	0.0	2,140.2	
2017	332.8	29.7	58.3	27.4	5.8	0.0	99.9	0.2	0.6	0.1	132.0	241.4	0.1	2,068.1	
2018	378.2	35.1	61.5	26.6	5.2	0.0	98.8	0.2	0.9	0.1	139.5	267.4	0.0	2,143.3	
2019	373.0	34.6	56.4	27.4	4.5	0.0	97.9	0.2	1.5	0.1	134.2	233.3	0.0	2,093.4	
2020	383.2	45.9	49.0	25.8	4.7	0.0	88.4	0.2	1.4	0.1	136.1	186.8	0.0	1,940.4	
2021	368.5	37.1	55.9	27.9	3.9	0.0	97.0	0.2	1.5	0.1	135.8	244.1	0.0	2,100.9	
2022	R 372.3	31.4	R 41.9	28.1	R 3.7	0.0	R 82.2	0.2	2.6	0.1	R 116.5	R 265.6	0.0	R 2,106.2	
2023	396.5	27.4	42.2	28.8	5.0	0.0	84.4	0.2	3.6	0.1	115.7	243.8	0.0	2,058.0	

<sup>e</sup> Conventional hydroelectric power. For 1960 through 1989, includes hydroelectric pumped-storage, which cannot be separately identified.

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

<sup>g</sup> Wood, wood-derived fuels, and biomass waste. Beginning in 2006, includes small amount of other biomass liquids that are biodiesel.

<sup>h</sup> 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.

<sup>i</sup> Losses and co-products from the production of biodiesel and fuel ethanol.

<sup>j</sup> 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.

<sup>k</sup> Solar thermal and photovoltaic energy.

<sup>l</sup> 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.

<sup>m</sup> 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/>