

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, North Carolina
(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	231.3	47.0	78.3	10.1	18.2	188.4	28.9	94.9	418.9	697.3	47.0	78.3	188.4	
1965	325.9	78.2	100.1	16.0	19.7	226.6	29.7	102.5	494.6	898.7	78.2	100.1	226.6	
1970	491.4	154.9	131.7	20.7	25.7	296.0	42.6	101.5	618.3	1,264.5	154.9	131.7	296.0	
1971	484.6	164.4	125.7	20.3	25.9	308.2	65.4	101.7	647.2	1,296.2	164.4	125.7	308.2	
1972	492.8	167.8	134.4	22.2	22.6	333.0	99.8	96.8	708.7	1,369.3	167.8	134.4	333.0	
1973	531.7	165.2	146.5	22.5	21.4	346.1	99.9	90.8	727.3	1,424.3	165.2	146.5	346.1	
1974	522.8	143.7	132.2	21.6	21.3	348.6	86.1	75.2	685.1	1,351.7	143.7	132.2	348.6	
1975	476.5	116.9	123.8	23.6	20.8	351.6	48.9	67.5	636.3	1,229.7	116.9	123.8	351.6	
1976	544.5	103.0	141.0	25.7	20.3	367.9	80.4	71.0	706.4	1,353.9	103.0	141.0	367.9	
1977	548.1	73.9	158.9	23.1	22.4	379.8	92.3	78.3	754.9	1,376.9	73.9	158.9	379.8	
1978	499.9	83.7	143.5	27.9	23.8	395.0	77.7	75.8	743.7	1,327.3	83.7	143.5	395.0	
1979	558.6	133.8	171.5	28.8	23.8	373.8	75.4	62.5	735.7	1,428.1	133.8	171.5	373.8	
1980	624.7	155.1	140.5	29.2	28.7	347.9	56.9	55.7	658.9	1,438.7	155.2	140.5	347.9	
1981	655.3	154.3	123.6	27.4	29.4	349.4	35.3	46.0	611.2	1,420.8	154.3	123.6	349.4	
1982	622.1	146.8	117.5	25.1	31.8	345.9	36.2	43.7	600.3	1,369.2	146.8	117.5	345.9	
1983	595.0	141.0	143.6	25.4	35.6	353.0	36.5	44.8	638.8	1,374.9	141.1	143.6	353.0	
1984	558.9	148.7	157.6	24.9	35.5	367.3	49.7	70.6	705.5	1,413.2	148.7	157.6	367.3	
1985	550.5	138.3	153.1	27.5	37.0	372.2	39.2	65.8	694.8	1,383.6	138.4	153.1	372.2	
1986	583.2	140.3	167.7	26.8	39.7	388.7	39.8	68.0	730.8	1,454.2	140.3	167.7	388.7	
1987	500.9	153.3	176.8	32.4	43.2	403.0	39.5	66.5	761.4	1,415.6	153.3	176.8	403.0	
1988	515.4	156.6	195.0	29.0	46.4	414.6	38.5	76.2	799.7	1,471.7	156.6	195.0	414.6	
1989	591.4	166.8	161.8	34.7	42.8	409.1	34.4	62.4	745.1	1,503.4	166.8	161.8	409.1	
1990	568.3	166.7	152.6	32.7	30.8	407.2	36.8	55.3	715.5	1,450.5	166.7	152.6	407.2	
1991	567.4	172.8	147.4	37.8	24.3	404.7	38.2	53.6	705.9	1,446.2	172.8	147.4	404.7	
1992	649.2	186.9	156.3	40.8	26.0	405.5	46.8	58.8	734.2	1,570.2	186.9	156.3	405.5	
1993	689.4	192.5	155.2	43.4	27.2	424.6	50.2	59.1	759.7	1,641.7	192.5	155.2	424.8	
1994	632.8	195.3	168.4	45.4	24.5	434.0	39.6	57.3	769.3	1,597.4	195.3	168.4	435.1	
1995	662.9	212.0	182.7	44.7	28.0	449.6	39.4	70.9	815.3	1,690.2	212.0	182.7	449.7	
1996	744.3	222.1	189.7	51.1	51.7	456.6	43.0	60.7	852.7	1,819.1	222.1	189.7	459.3	
1997	765.9	223.4	190.5	57.6	40.6	470.5	37.7	61.6	858.4	1,847.8	223.4	190.5	473.3	
1998	754.3	222.7	193.7	48.2	38.3	486.6	30.7	71.0	868.6	1,845.6	222.7	193.7	490.0	
1999	742.4	224.7	182.5	43.9	38.6	503.9	27.4	67.0	863.3	1,830.5	224.8	182.5	506.8	
2000	786.1	240.7	210.7	51.7	41.3	505.6	31.2	66.0	906.5	1,933.3	240.7	210.7	508.8	
2001	756.3	215.6	212.9	51.0	34.3	508.9	22.8	70.5	900.5	1,872.4	215.6	212.9	513.4	
2002	770.9	243.1	198.3	46.4	27.4	517.7	25.0	61.6	876.3	1,890.4	243.1	198.3	523.2	
2003	771.6	227.4	208.1	44.7	29.7	526.0	30.8	60.6	900.0	1,899.0	227.4	208.1	533.3	
2004	782.7	232.2	213.2	45.4	30.6	539.9	37.2	64.7	931.0	1,945.9	232.2	213.2	547.7	
2005	811.9	237.5	212.0	48.9	41.8	547.1	35.0	62.2	947.1	1,996.5	237.5	212.0	549.3	
2006	777.9	230.2	207.1	48.0	30.2	548.8	26.5	57.4	918.1	1,926.2	230.2	207.1	551.9	
2007	828.0	244.5	205.2	44.4	40.6	550.2	23.6	56.7	920.7	1,993.2	244.5	205.2	554.7	
2008	794.7	249.7	176.8	49.4	29.6	558.5	22.7	46.5	883.6	1,927.9	249.7	176.8	582.9	
2009	678.7	252.7	178.0	45.3	10.5	511.6	17.5	35.9	798.8	1,730.2	252.7	179.6	542.8	
2010	749.1	308.7	183.8	48.9	70.6	511.2	13.4	47.3	875.2	1,933.0	308.7	184.9	543.5	
2011	624.8	311.2	176.1	43.5	70.9	491.8	7.6	40.9	830.7	1,766.7	311.2	178.8	524.2	
2012	534.7	367.9	163.6	37.1	73.0	480.5	2.9	45.7	802.8	1,705.4	367.9	166.3	513.9	
2013	493.8	445.0	169.4	33.5	78.2	489.3	1.3	41.1	812.7	1,751.5	445.0	174.6	523.8	
2014	501.6	462.3	180.4	39.7	81.4	489.7	1.1	41.9	834.3	1,798.2	462.3	185.6	523.3	
2015	405.5	516.0	186.1	36.0	81.3	513.0	0.5	40.1	857.0	1,778.6	516.0	191.5	547.6	
2016	381.8	540.3	183.2	30.4	84.2	530.5	0.5	50.1	879.0	R 1,801.1	540.3	190.6	567.3	
2017	350.3	520.7	183.0	30.8	89.3	528.7	0.7	R 53.7	R 886.2	R 1,757.1	520.7	190.0	566.4	
2018	325.1	599.3	198.4	36.0	89.7	527.7	0.7	R 54.1	R 906.5	R 1,830.9	599.3	205.1	566.6	
2019	318.2	569.4	195.3	33.3	93.1	539.3	0.6	R 44.4	R 906.1	R 1,793.6	569.4	201.6	578.8	
2020	223.9	557.6	189.0	34.1	65.9	481.3	1.7	R 36.1	R 808.2	R 1,589.6	557.6	195.8	516.5	
2021	222.5	637.6	R 194.9	34.3	82.0	530.9	0.7	41.2	R 883.0	R 1,743.0	637.6	R 197.8	570.2	
2022	163.0	747.2	191.8	35.0	84.5	549.5	0.7	42.8	903.4	1,813.6	747.2	194.6	590.5	

^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, North Carolina (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 ^{f,g}	Fuel ethanol ^h	Biodiesel	Renewable diesel	Losses and co-products ⁱ	Total ^f							
1960	0.0	R 17.1	73.7	NA	NA	NA	NA	73.7	0.0	NA	NA	R 90.8	R 11.2	0.0	R 799.3
1965	0.0	R 18.4	67.3	NA	NA	NA	NA	67.3	0.0	NA	NA	R 85.7	R -19.6	0.0	R 964.8
1970	0.0	R 14.9	65.9	NA	NA	NA	NA	65.9	0.0	NA	NA	R 80.8	R -53.9	0.0	R 1,291.4
1971	0.0	R 20.2	66.1	NA	NA	NA	NA	66.1	0.0	NA	NA	R 86.3	R -34.7	0.0	R 1,347.8
1972	0.0	R 22.0	68.9	NA	NA	NA	NA	68.9	0.0	NA	NA	R 90.9	R -35.9	0.0	R 1,424.4
1973	0.0	R 24.3	68.9	NA	NA	NA	NA	68.9	0.0	NA	NA	R 93.2	R -24.1	0.0	R 1,493.4
1974	0.0	R 23.5	67.7	NA	NA	NA	NA	67.7	0.0	NA	NA	R 91.2	R -5.1	0.0	R 1,437.8
1975	15.5	R 24.1	66.4	NA	NA	NA	NA	66.4	0.0	NA	NA	R 90.5	R 60.3	0.0	R 1,396.0
1976	27.7	R 19.3	78.3	NA	NA	NA	NA	78.3	0.0	NA	NA	R 97.6	R 19.8	0.0	R 1,499.0
1977	61.0	R 18.0	91.4	NA	NA	NA	NA	91.4	0.0	NA	NA	R 109.4	R 39.0	0.0	R 1,586.3
1978	108.5	R 18.7	102.4	NA	NA	NA	NA	102.4	0.0	NA	NA	R 121.1	R 49.4	0.0	R 1,606.3
1979	74.1	R 27.0	109.7	NA	NA	NA	NA	109.7	0.0	NA	NA	R 136.7	R 33.0	0.0	R 1,671.9
1980	63.0	R 18.7	78.9	NA	NA	NA	NA	78.9	0.0	NA	NA	R 97.6	R 8.0	0.0	R 1,607.4
1981	68.9	R 10.0	77.5	0.1	NA	NA	NA	77.7	0.0	NA	NA	R 87.6	R -5.0	0.0	R 1,572.3
1982	101.1	R 18.5	86.8	0.1	NA	NA	NA	86.8	0.0	NA	NA	R 105.3	R -49.7	0.0	R 1,525.8
1983	134.8	R 21.0	85.0	(s)	NA	NA	NA	85.0	0.0	NA	0.0	R 106.0	R -20.9	0.0	R 1,594.8
1984	219.4	R 21.7	93.4	0.3	NA	NA	NA	93.7	0.0	0.0	0.0	R 115.4	R -20.4	0.0	R 1,727.6
1985	205.0	R 14.0	94.0	0.8	NA	NA	NA	94.8	0.0	0.0	0.0	R 108.8	R 35.9	0.0	R 1,733.3
1986	214.6	R 8.6	87.8	0.0	NA	NA	NA	87.8	0.0	0.0	0.0	R 96.4	R 45.4	0.0	R 1,810.6
1987	298.6	R 17.4	81.7	0.0	NA	NA	NA	81.7	0.0	0.0	0.0	R 99.1	R 91.4	0.0	R 1,904.8
1988	309.0	R 9.9	85.4	0.0	NA	NA	NA	85.4	0.0	0.0	0.0	R 95.3	R 115.1	0.0	R 1,991.1
1989	309.2	R 23.9	94.4	0.0	NA	NA	NA	94.4	0.1	0.2	0.0	R 118.5	R 66.4	0.0	R 1,997.5
1990	274.1	R 23.3	97.5	0.0	NA	NA	NA	97.5	0.1	0.2	0.0	R 121.1	R 163.9	0.0	R 2,009.6
1991	317.8	R 20.0	75.9	0.4	NA	NA	NA	76.4	0.1	0.2	0.0	R 96.6	R 144.9	0.0	R 2,005.5
1992	238.3	R 19.7	99.7	0.3	NA	NA	NA	100.0	0.1	0.2	0.0	R 120.0	R 171.6	0.0	R 2,100.1
1993	249.6	R 17.0	105.6	0.3	NA	NA	NA	105.8	0.2	0.2	0.0	R 123.2	R 180.1	0.0	R 2,194.5
1994	338.1	R 24.5	112.3	1.0	NA	NA	NA	113.3	0.1	0.2	0.0	R 138.2	R 115.5	0.0	R 2,189.1
1995	377.3	R 18.8	111.5	0.1	NA	NA	NA	111.6	0.2	0.2	0.0	R 130.7	R 120.6	0.0	R 2,318.9
1996	354.1	R 20.3	109.5	2.7	NA	NA	NA	112.2	0.2	0.2	0.0	R 132.9	R 94.0	0.0	R 2,400.1
1997	340.6	R 19.2	107.0	2.8	NA	NA	NA	109.8	0.2	0.2	0.0	R 129.3	R 66.4	0.0	R 2,384.0
1998	406.8	R 19.6	100.8	3.4	NA	NA	NA	104.2	0.2	0.2	0.0	R 124.1	R 57.0	0.0	R 2,433.5
1999	392.1	R 12.6	101.7	2.9	NA	NA	NA	104.6	0.2	0.1	0.0	R 117.5	R 122.1	0.0	R 2,462.3
2000	408.1	R 10.7	103.9	3.3	NA	NA	NA	107.2	0.2	0.1	0.0	R 118.2	R 128.1	0.0	R 2,587.7
2001	394.5	R 8.9	100.2	4.5	(s)	NA	NA	104.7	0.2	0.1	0.0	R 113.9	R 149.1	0.0	R 2,529.8
2002	413.8	R 11.9	89.4	5.6	(s)	NA	NA	94.9	0.2	0.1	0.0	R 107.2	R 133.8	0.0	R 2,545.2
2003	426.3	R 24.6	108.2	7.3	(s)	NA	NA	115.5	0.3	0.1	0.0	R 140.5	R 76.9	0.0	R 2,542.7
2004	418.1	R 18.5	84.9	7.8	(s)	NA	NA	92.8	0.3	0.1	0.0	R 111.7	R 151.0	0.0	R 2,626.7
2005	417.2	R 18.4	90.8	2.2	0.1	NA	NA	93.0	0.4	0.1	0.0	R 111.9	R 135.9	0.0	R 2,661.7
2006	417.0	R 13.1	97.9	3.1	0.2	NA	(s)	101.2	0.5	0.2	0.0	R 114.9	R 161.1	0.0	R 2,619.2
2007	420.0	R 10.2	82.5	4.5	0.2	NA	(s)	87.2	0.6	0.2	0.0	R 98.1	R 149.4	0.0	R 2,660.8
2008	415.7	R 10.4	111.9	24.3	0.2	NA	(s)	136.4	0.7	R 0.2	0.0	R 147.6	R 179.1	0.0	R 2,670.3
2009	427.2	R 17.6	96.9	31.2	0.2	NA	(s)	128.3	0.8	R 0.3	0.0	R 147.0	R 208.4	0.0	R 2,512.8
2010	425.8	R 16.2	109.5	32.4	0.2	NA	(s)	142.1	0.9	R 0.3	0.0	R 159.5	R 197.4	0.0	R 2,715.7
2011	424.1	R 13.3	116.3	32.4	0.5	0.0	(s)	149.2	0.9	R 0.4	0.0	R 163.8	R 231.6	0.0	R 2,586.1
2012	412.7	R 12.7	114.4	33.4	0.4	0.0	(s)	148.2	1.0	R 0.9	0.0	R 162.7	R 215.7	0.0	R 2,496.6
2013	420.5	R 23.5	120.7	34.5	2.2	0.0	(s)	157.4	1.0	R 1.7	0.0	R 183.5	R 144.3	0.0	R 2,499.8
2014	428.5	R 16.2	119.3	33.6	2.1	0.0	(s)	155.0	1.0	R 3.0	0.0	R 175.2	R 152.1	0.0	R 2,554.0
2015	440.2	R 16.2	110.7	34.6	2.5	0.0	(s)	147.8	1.0	R 5.2	0.0	R 170.2	R 155.8	0.0	R 2,544.8
2016	447.5	R 15.1	106.0	36.7	4.5	0.0	(s)	147.2	1.0	R 12.5	R (s)	R 175.8	R 133.3	0.0	R 2,557.7
2017	443.2	R 13.0	108.1	37.7	4.7	0.0	(s)	150.5	1.0	R 18.4	R 1.6	R 184.4	R 120.3	(s)	R 2,505.0
2018	439.9	R 22.5	104.8	38.9	2.6	0.0	(s)	146.3	1.0	R 21.8	R 1.9	R 193.5	R 126.9	(s)	R 2,591.3
2019	437.7	R 21.1	R 104.2	39.5	2.1	0.0	(s)	145.8	1.0	R 26.6	R 1.8	R 196.2	R 134.5	0.0	R 2,562.0
2020	442.2	R 27.2	R 102.7	35.1	2.3	0.0	(s)	140.0	1.0	R 29.7	R 1.9	R 199.8	R 127.3	0.0	R 2,358.8
2021	R 449.7	R 19.8	R 94.6	39.2	R 1.8	0.0	(s)	R 135.7	1.0	R 36.4	R 1.8	R 194.6	R 128.8	0.0	R 2,516.1
2022	444.7	16.0	90.2	41.0	1.4	0.0	(s)	132.6	1.0	40.7	1.9	192.2	118.3	0.0	2,568.8

^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/>