Table CT1. Energy consumption estimates for selected energy sources in physical units, selected years, 1960-2022, North Carolina

Year	Coal	Natural gas [a]	Petroleum							Nuclear electric power	Hydro-electric power [g]	Wind	Fuel ethanol [h]	Biodiesel
			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							Million kilowatthours			Thousand barrels	
1960	8,947	45	13,445	2,635	3,401	35,875	4,603	16,310	76,268	0	4,998	0	NA	NA
1965	12,707	76	17,182	4,188	3,649	43,144	4,723	17,629	90,515	0	5,385	0	NA	NA
1970	20,417	151	22,612	5,489	4,702	56,348	6,778	17,232	113,161	0	4,374	0	NA	NA
1971	20,391	161	21,583	5,372	4,740	58,679	10,409	17,243	118,026	0	5,917	0	NA	NA
1972	20,653	164	23,065	5,916	4,144	63,390	15,870	16,322	128,706	0	6,438	0	NA	NA
1973	21,856	161	25,157	6,050	3,914	65,888	15,892	15,187	132,089	0	7,113	0	NA	NA
1974	21,943	140	22,703	5,834	3,907	66,364	13,699	12,564	125,071	0	6,890	0	NA	NA
1975	20,055	115	21,259	6,445	3,809	66,935	7,779	11,347	117,572	1,405	7,055	0	NA	NA
1976	22,625	101	24,212	7,022	3,715	70,030	12,790	11,959	129,729	2,511	5,652	0	NA	NA
1977	22,985	73	27,276	6,360	4,087	72,296	14,685	13,136	137,840	5,664	5,287	0	NA	NA
1978	20,816	82	24,634	7,706	4,338	75,198	12,355	12,702	136,933	9,917	5,482	0	NA	NA
1979	22,949	131	29,434	7,873	4,332	71,154	11,997	10,360	135,150	6,809	7,917	0	NA	NA
1980	25,466	153	24,116	7,979	5,209	66,222	9,058	9,251	121,836	5,775	5,486	0	NA	NA
1981	26,816	152	21,225	7,533	5,319	66,515	5,621	7,683	113,897	6,246	2,930	0	37	NA
1982	25,356	142	20,179	6,943	5,747	65,854	5,756	7,280	111,758	9,126	5,408	0	18	NA
1983	23,918	137	24,644	6,981	6,404	67,201	5,802	7,322	118,354	12,363	6,142	0	7	NA
1984	22,417	144	27,052	6,797	6,413	69,921	7,906	11,762	129,851	20,232	6,369	0	76	NA
1985	22,052	134	26,290	7,546	6,668	70,856	6,233	10,971	128,563	19,303	4,094	0	228	NA
1986	23,242	136	28,785	7,289	7,123	74,004	6,338	11,186	134,726	20,286	2,521	0	0	NA
1987	19,965	149	30,349	8,791	7,749	76,719	6,281	10,977	140,865	28,600	5,101	0	0	NA
1988	20,506	152	33,469	7,863	8,318	78,933	6,119	12,599	147,301	29,146	2,893	0	0	NA
1989	23,565	162	27,768	9,308	7,689	77,874	5,465	10,280	138,386	29,212	6,996	0	0	NA
1990	22,590	162	26,189	8,892	5,567	77,525	5,857	8,962	132,992	25,905	6,819	0	0	NA
1991	22,585	167	25,308	10,308	4,384	77,046	6,073	8,720	131,838	30,312	5,850	0	121	NA
1992	25,921	181	26,826	11,092	4,684	77,196	7,446	9,550	136,793	22,754	5,768	0	78	NA
1993	27,527	186	26,643	11,870	4,897	81,432	7,985	9,563	142,389	23,759	4,987	0	78	NA
1994	25,338	189	28,939	12,331	4,359	83,445	6,299	9,214	144,587	32,346	7,192	0	298	NA
1995	26,434	205	31,396	12,137	4,947	86,421	6,263	11,336	152,500	35,910	5,521	0	28	NA
1996	29,813	214	32,589	13,917	9,127	88,147	6,832	9,953	160,564	33,718	5,952	0	790	NA
1997	30,859	216	32,724	15,789	7,156	90,933	5,999	10,086	162,686	32,453	5,626	0	798	NA
1998	30,319	214	33,296	13,100	6,761	94,177	4,884	11,685	163,902	38,778	5,738	0	975	NA
1999	29,738	217	31,371	11,858	6,802	97,421	4,364	10,964	162,781	37,524	3,684	0	836	NA
2000	31,371	234	36,210	14,101	7,277	97,833	4,969	10,720	171,111	39,127	3,138	0	945	NA
2001	30,481	207	36,595	13,847	6,051	98,717	3,623	11,435	170,268	37,775	2,596	0	1,303	1
2002	31,208	235	34,084	12,562	4,825	100,642	3,972	9,930	166,015	39,627	3,492	0	1,602	2
2003	31,124	219	35,766	11,945	5,246	102,618	4,904	9,778	170,257	40,907	7,201	0	2,103	1
2004	31,723	225	36,644	12,122	5,397	105,414	5,910	10,341	175,828	40,091	5,435	0	2,253	3
2005	32,860	230	36,441	13,192	7,366	105,796	5,568	9,966	178,329	39,982	5,397	0	620	10
2006	31,797	223	35,689	13,062	5,323	106,440	4,223	9,170	173,907	39,963	3,839	0	886	29
2007	33,606	237	35,483	12,074	7,161	107,871	3,756	9,011	175,357	40,045	2,984	0	1,301	39
2008	32,432	243	30,586	13,201	5,225	114,153	3,618	7,408	174,191	39,776	3,034	0	7,011	34
2009	27,502	247	31,088	12,225	1,854	106,647	2,779	5,722	160,315	40,848	5,171	0	9,015	36
2010	30,529	304	32,015	12,737	12,443	107,268	2,139	7,537	174,139	40,740	4,757	0	9,338	29
2011	25,518	308	30,995	11,324	12,502	103,528	1,211	6,505	166,063	40,527	3,893	0	9,345	98
2012	21,662	364	28,839	9,665	12,874	101,518	458	7,166	160,520	39,386	3,728	0	9,622	81
2013	19,967	440	30,291	8,713	13,797	103,511	199	6,570	163,082	40,242	6,901	0	9,941	405
2014	20,282	453	32,202	10,339	14,365	103,443	170	6,708	167,227	40,967	4,756	0	9,684	391
2015	16,364	499	33,234	9,373	14,338	108,294	85	6,432	171,757	42,097	4,742	0	9,971	466
2016	15,447	522	33,103	7,920	14,858	112,222	79	R 7,937	R 176,119	42,786	4,417	6	10,582	832
2017	14,020	503	33,010	8,018	15,741	112,095	111	R 8,480	R 177,456	42,374	3,818	471	10,849	877
2018	13,075	582	35,607	9,362	15,816	112,105	110	R 8,524	R 181,524	42,077	6,605	543	11,163	491
2019	12,771	552	35,011	8,671	16,417	114,578	98	R 7,071	R 181,846	41,916	6,186	523	11,357	385
2020	8,971	540	34,020	8,869	11,623	102,228	277	R 5,790	R 162,807	42,329	7,957	546	10,107	420
2021	8,870	617	R 34,313	8,939	14,468	112,901	109	R 6,594	R 177,324	43,118	5,813	515	11,278	R 337
2022	6,440	725	33,754	9,102	14,901	116,954	112	6,848	181,670	42,644	4,686	547	11,781	269

[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. http://www.eia.gov/state/seds/

Table CT2. Primary energy consumption estimates, selected years, 1960-2022, North Carolina

(trillion Btu)

Year	Fossil fuels										*Fossil fuels (as commingled)*		
			Petroleum										
	Coal	Natural gas excluding supplemental gaseous fuels [a]	Distillate fuel oil excluding biofuels [a]	HGL [b]	Jet fuel [c]	Motor gasoline excluding fuel ethanol [a]	Residual fuel oil	Other [d]	Total	Total	*Natural gas including supplemental gaseous fuels* [a]	*Distillate fuel oil including biofuels* [a]	*Motor gasoline including fuel ethanol* [a]
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 [f,j]	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	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)	R 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 kilowatthours by 3,412 Btu per kilowatthour.

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/

Table CT3. Total end-use sector energy consumption estimates, selected years, 1960-2022, North Carolina

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	3,458	41	13,385	2,635	3,401	35,875	4,584	16,310	76,190	48	– –	– –	– –	– –	17,236	– –	– –	– –
1970	2,707	130	21,180	5,489	4,702	56,348	6,332	17,232	111,284	10	– –	– –	– –	– –	40,456	– –	– –	– –
1980	1,546	152	23,555	7,979	5,209	66,222	9,058	9,251	121,275	3	– –	– –	– –	– –	63,889	– –	– –	– –
1990	3,145	159	25,799	8,892	5,567	77,525	5,857	8,962	132,602	27	– –	– –	– –	– –	89,924	– –	– –	– –
2000	1,875	221	35,042	14,101	7,277	97,833	4,969	10,720	169,943	946	– –	– –	– –	– –	119,855	– –	– –	– –
2005	1,557	203	35,892	13,192	7,366	105,796	5,568	9,966	177,780	740	– –	– –	– –	– –	128,335	– –	– –	– –
2006	1,341	195	35,216	13,062	5,323	106,440	4,223	9,170	173,433	506	– –	– –	– –	– –	126,699	– –	– –	– –
2007	1,193	197	34,957	12,074	7,161	107,871	3,756	9,011	174,831	9	– –	– –	– –	– –	131,881	– –	– –	– –
2008	1,316	207	30,110	13,201	5,225	114,153	3,618	7,408	173,715	10	– –	– –	– –	– –	130,069	– –	– –	– –
2009	1,075	207	30,604	12,225	1,854	106,647	2,779	5,722	159,831	16	– –	– –	– –	– –	127,658	– –	– –	– –
2010	1,075	231	31,486	12,737	12,443	107,268	2,139	7,537	173,611	13	– –	– –	– –	– –	136,415	– –	– –	– –
2011	927	218	30,613	11,324	12,502	103,528	1,211	6,505	165,682	11	– –	– –	– –	– –	131,085	– –	– –	– –
2012	786	213	28,497	9,665	12,874	101,518	458	7,166	160,179	386	– –	– –	– –	– –	128,085	– –	– –	– –
2013	797	239	29,900	8,713	13,797	103,511	199	6,570	162,690	895	– –	– –	– –	– –	129,780	– –	– –	– –
2014	742	247	31,323	10,339	14,365	103,443	170	6,708	166,348	14	– –	– –	– –	– –	133,133	– –	– –	– –
2015	698	229	32,443	9,373	14,338	108,294	85	6,432	170,966	11	– –	– –	– –	– –	133,848	– –	– –	– –
2016	645	229	32,626	7,920	14,858	112,222	79	R 7,937	R 175,642	14	– –	– –	– –	– –	134,404	– –	– –	– –
2017	559	224	32,538	8,018	15,741	112,095	111	R 8,480	R 176,984	10	– –	– –	– –	– –	131,421	– –	– –	– –
2018	476	252	34,402	9,362	15,816	112,105	110	R 8,524	R 180,319	13	– –	– –	– –	– –	138,287	– –	– –	– –
2019	419	249	34,666	8,671	16,417	114,578	98	R 7,071	R 181,501	14	– –	– –	– –	– –	136,436	– –	– –	– –
2020	396	236	33,789	8,869	11,623	102,228	277	R 5,790	R 162,576	15	– –	– –	– –	– –	130,391	– –	– –	– –
2021	420	256	R 33,955	8,939	14,468	112,901	109	R 6,594	R 176,965	14	– –	– –	– –	– –	135,693	– –	– –	– –
2022	412	261	33,241	9,102	14,901	116,954	112	6,848	181,158	11	– –	– –	– –	– –	139,207	– –	– –	– –
			Trillion Btu															
1960	87.3	42.2	78.0	10.1	18.2	188.4	28.8	94.9	418.5	R 0.2	73.7	NA	NA	NA	58.8	R 680.7	R 118.6	R 799.3
1970	64.3	133.2	123.4	20.7	25.7	296.0	39.8	101.5	607.1	R (s)	65.9	NA	NA	NA	138.0	1,008.7	R 282.8	R 1,291.4
1980	37.8	153.4	137.2	29.2	28.7	347.9	56.9	55.7	655.6	(s)	78.9	NA	NA	NA	218.0	1,143.7	R 463.7	R 1,607.4
1990	78.5	163.8	150.3	32.7	30.8	407.2	36.8	55.3	713.2	R 0.1	95.7	0.0	0.1	0.2	306.8	R 1,358.5	R 651.1	R 2,009.6
2000	49.7	227.6	203.9	51.7	41.3	508.8	31.2	66.0	903.0	R 3.2	97.2	0.0	0.2	0.1	408.9	R 1,690.0	R 897.7	R 2,587.7
2005	40.7	210.1	208.8	48.9	41.8	549.3	35.0	62.2	946.0	R 2.5	83.6	0.0	0.4	0.1	437.9	R 1,721.4	R 940.3	R 2,661.7
2006	35.1	201.4	204.4	48.0	30.2	551.9	26.5	57.4	918.4	R 1.7	89.5	(s)	0.5	0.2	432.3	R 1,679.2	R 939.9	R 2,619.2
2007	31.2	203.8	202.2	44.4	40.6	554.7	23.6	56.7	922.2	R (s)	74.0	(s)	0.6	0.2	450.0	R 1,682.1	R 978.6	R 2,660.8
2008	34.5	213.3	174.0	49.4	29.6	582.9	22.7	46.5	905.1	R (s)	103.9	(s)	0.7	0.2	443.8	R 1,701.8	R 968.6	R 2,670.3
2009	28.3	212.5	176.8	45.3	10.5	542.8	17.5	35.9	828.8	R 0.1	85.8	(s)	0.8	0.3	435.6	R 1,592.2	R 922.0	R 2,514.2
2010	28.1	235.1	181.8	48.9	70.6	543.5	13.4	47.3	905.6	R (s)	96.1	(s)	0.9	0.3	465.4	R 1,731.7	R 985.0	R 2,716.7
2011	24.1	221.0	176.6	43.5	70.9	524.2	7.6	40.9	863.7	R (s)	100.8	(s)	0.9	R 0.3	447.3	R 1,658.0	R 930.3	R 2,588.3
2012	20.5	216.1	164.3	37.1	73.0	513.9	2.9	45.7	836.9	R 1.3	96.4	(s)	1.0	R 0.4	437.0	R 1,609.6	R 889.3	R 2,498.9
2013	21.5	242.1	172.3	33.5	78.2	523.8	1.3	41.1	850.1	R 3.1	102.6	(s)	1.0	R 0.6	442.8	R 1,663.7	R 839.1	R 2,502.8
2014	19.7	253.2	180.5	39.7	81.4	523.3	1.1	41.9	868.0	R (s)	99.2	(s)	1.0	R 0.8	454.2	R 1,696.2	R 860.8	R 2,557.0
2015	18.2	237.3	186.9	36.0	81.3	547.6	0.5	40.1	892.5	R (s)	94.2	(s)	1.0	R 0.8	456.7	R 1,700.7	R 847.1	R 2,547.8
2016	17.0	236.6	187.8	30.4	84.2	567.3	0.5	50.1	R 920.4	R (s)	88.2	(s)	1.0	R 1.3	458.6	R 1,723.1	R 837.5	R 2,560.6
2017	15.1	232.4	187.3	30.8	89.3	566.4	0.7	R 53.7	R 928.2	R (s)	R 87.1	(s)	1.0	R 1.3	448.4	R 1,713.5	R 793.8	R 2,507.3
2018	12.8	259.7	198.1	36.0	89.7	566.6	0.7	R 54.1	R 945.1	R (s)	85.5	(s)	1.0	R 1.4	471.8	R 1,777.3	R 818.0	R 2,595.3
2019	11.2	256.4	199.6	33.3	93.1	578.8	0.6	R 44.4	R 949.9	R (s)	84.1	(s)	1.0	R 1.6	465.5	R 1,769.8	R 796.4	R 2,566.3
2020	10.6	244.2	194.5	34.1	65.9	516.5	1.7	R 36.1	R 848.8	0.1	R 85.3	(s)	1.0	R 1.8	444.9	R 1,636.6	R 726.8	R 2,363.4
2021	11.3	264.5	R 195.7	34.3	82.0	570.2	0.7	41.2	R 924.1	R (s)	R 82.6	(s)	1.0	R 2.2	463.0	R 1,748.7	R 769.6	R 2,518.3
2022	11.0	269.1	191.6	35.0	84.5	590.5	0.7	42.8	945.1	(s)	80.4	(s)	1.0	2.7	475.0	1,784.3	786.7	2,571.0

[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. http://www.eia.gov/state/seds/

Table CT4. Residential sector energy consumption estimates, selected years, 1960-2022, North Carolina

Year	Coal [a]	Natural gas [b]	Petroleum				Biomass	Geothermal [e]	Solar [e,f]	Electricity [g]	End use [e,h]	Electrical system energy losses [i]	Total [e,h]
			Distillate fuel oil	HGL [c]	Kerosene	Total							
	Thousand short tons	Billion cubic feet	Thousand barrels				Wood [d]			Million kilowatthours			
1960	587	9	5,887	1,378	10,429	17,693	– –	– –	– –	5,796	– –	– –	– –
1965	309	15	6,654	2,186	10,547	19,388	– –	– –	– –	8,601	– –	– –	– –
1970	244	27	8,663	2,561	10,045	21,269	– –	– –	– –	14,660	– –	– –	– –
1975	111	27	7,261	1,915	4,901	14,078	– –	– –	– –	18,999	– –	– –	– –
1980	36	34	7,044	2,427	2,747	12,219	– –	– –	– –	24,377	– –	– –	– –
1985	43	29	5,449	2,724	3,994	12,167	– –	– –	– –	26,852	– –	– –	– –
1990	31	35	4,225	3,648	1,408	9,281	– –	– –	– –	33,144	– –	– –	– –
1995	29	49	4,023	4,990	2,098	11,110	– –	– –	– –	39,506	– –	– –	– –
2000	12	64	3,238	5,933	1,979	11,149	– –	– –	– –	46,537	– –	– –	– –
2005	12	64	2,228	5,738	1,755	9,720	– –	– –	– –	54,073	– –	– –	– –
2006	10	57	2,030	4,936	1,194	8,161	– –	– –	– –	52,851	– –	– –	– –
2007	4	58	1,972	4,795	849	7,617	– –	– –	– –	56,095	– –	– –	– –
2008	0	64	1,823	6,304	435	8,562	– –	– –	– –	55,751	– –	– –	– –
2009	0	66	1,271	6,042	384	7,697	– –	– –	– –	56,311	– –	– –	– –
2010	0	75	1,424	6,372	552	8,348	– –	– –	– –	62,160	– –	– –	– –
2011	0	62	1,031	5,321	270	6,622	– –	– –	– –	58,056	– –	– –	– –
2012	0	57	797	3,843	106	4,745	– –	– –	– –	54,672	– –	– –	– –
2013	0	70	857	4,211	105	5,174	– –	– –	– –	56,251	– –	– –	– –
2014	0	75	845	4,895	170	5,910	– –	– –	– –	58,650	– –	– –	– –
2015	0	65	1,571	4,506	150	6,227	– –	– –	– –	57,902	– –	– –	– –
2016	0	65	1,303	3,862	218	5,384	– –	– –	– –	58,457	– –	– –	– –
2017	0	60	701	3,704	119	4,524	– –	– –	– –	56,134	– –	– –	– –
2018	0	73	760	4,871	125	5,756	– –	– –	– –	61,622	– –	– –	– –
2019	0	68	704	4,593	149	5,446	– –	– –	– –	59,853	– –	– –	– –
2020	0	64	625	4,070	152	4,848	– –	– –	– –	58,642	– –	– –	– –
2021	0	72	R 948	4,053	147	R 5,148	– –	– –	– –	60,915	– –	– –	– –
2022	0	72	962	4,354	132	5,448	– –	– –	– –	62,444	– –	– –	– –
			Trillion Btu										
1960	14.5	8.9	34.3	5.3	59.1	98.7	43.9	NA	NA	19.8	185.8	R 39.9	R 225.7
1965	7.6	15.1	38.8	8.4	59.8	107.0	30.5	NA	NA	29.3	189.5	R 57.7	R 247.2
1970	5.8	28.0	50.5	9.8	57.0	117.3	20.5	NA	NA	50.0	221.6	R 102.5	R 324.0
1975	2.6	28.0	42.3	7.4	27.8	77.4	20.9	NA	NA	64.8	193.8	R 132.4	R 326.1
1980	0.9	34.4	41.0	9.3	15.6	65.9	23.1	NA	NA	83.2	207.4	R 176.9	R 384.4
1985	1.1	29.6	31.7	10.5	22.6	64.8	28.6	NA	NA	91.6	215.7	R 186.2	R 401.9
1990	0.8	36.1	24.6	14.0	8.0	46.6	11.7	0.1	0.2	113.1	208.6	R 240.0	R 448.6
1995	0.7	51.0	23.4	19.2	11.9	54.5	17.7	0.2	0.2	134.8	259.0	R 288.8	R 547.8
2000	0.3	65.9	18.8	22.8	11.2	52.8	14.2	0.2	0.1	158.8	292.4	R 348.6	R 641.0
2005	0.3	66.2	13.0	22.0	10.0	45.0	15.4	0.4	0.1	184.5	311.9	R 396.2	R 708.0
2006	0.3	58.5	11.8	19.0	6.8	37.5	13.7	0.5	0.2	180.3	290.8	R 392.1	R 682.9
2007	0.1	60.3	11.4	18.4	4.8	34.6	15.1	0.6	0.2	191.4	302.3	R 416.3	R 718.5
2008	0.0	65.8	10.5	24.2	2.5	37.2	16.9	0.7	0.2	190.2	311.0	R 415.2	R 726.2
2009	0.0	67.3	7.3	23.2	2.2	32.7	16.8	0.8	0.2	192.1	310.1	R 406.7	R 716.8
2010	0.0	75.8	8.2	24.5	3.1	35.8	18.0	0.9	R 0.2	212.1	343.0	R 448.8	R 791.8
2011	0.0	62.5	5.9	20.4	1.5	27.9	17.5	0.9	0.3	198.1	R 307.1	R 412.0	R 719.1
2012	0.0	57.3	4.6	14.8	0.6	20.0	14.6	1.0	0.3	186.5	279.7	R 379.6	R 659.2
2013	0.0	70.6	4.9	16.2	0.6	21.7	19.1	1.0	0.3	191.9	304.6	R 363.7	R 668.3
2014	0.0	77.0	4.9	18.8	1.0	24.6	19.3	1.0	R 0.3	200.1	322.4	R 379.2	R 701.6
2015	0.0	66.8	9.1	17.3	0.9	27.2	10.2	1.0	R 0.3	197.6	R 303.0	R 366.4	R 669.5
2016	0.0	66.8	7.5	14.8	1.2	23.6	8.6	1.0	R 0.4	199.5	R 299.8	R 364.2	R 664.0
2017	0.0	62.1	4.0	14.2	0.7	18.9	7.5	1.0	R 0.5	191.5	R 281.5	R 339.0	R 620.6
2018	0.0	75.4	4.4	18.7	0.7	23.8	10.2	1.0	R 0.6	210.3	R 321.2	R 364.5	R 685.7
2019	0.0	70.1	4.1	17.6	0.8	22.5	8.9	1.0	R 0.8	204.2	R 307.5	R 349.4	R 656.9
2020	0.0	66.2	3.6	15.6	0.9	20.1	R 5.9	1.0	R 1.0	200.1	R 294.3	R 326.9	R 621.1
2021	0.0	74.5	5.5	15.6	0.8	21.9	R 6.1	1.0	R 1.3	207.8	R 312.6	R 345.5	R 658.1
2022	0.0	74.1	5.5	16.7	0.7	23.0	6.8	1.0	1.7	213.1	319.7	352.9	672.6

[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] Hydrocarbon gas liquids, assumed to be propane only.
[d] Wood and wood-derived fuels.
[e] There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.
[f] Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.
[g] Electricity sales to ultimate customers reported by electric utilities and, beginning in 1996, other energy service providers.
[h] 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.
[i] 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. http://www.eia.gov/state/seds/

Table CT5. Commercial sector energy consumption estimates, selected years, 1960-2022, North Carolina

Year	Coal	Natural gas [a]	Petroleum						Hydro-electric power [e,f]	Biomass	Geothermal [f]	Solar [f,h]	Electricity [i]	End use [f,j]	Electrical system energy losses [k]	Total [f,j]
			Distillate fuel oil	HGL [b]	Kerosene	Motor gasoline [c]	Residual fuel oil	Total [d]		Wood and waste [f,g]						
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kilowatthours			Million kilowatthours				
1960	408	4	1,156	523	248	206	122	2,255	NA	– –	– –	NA	2,667	– –	– –	– –
1965	233	7	1,307	829	251	278	120	2,786	NA	– –	– –	NA	5,360	– –	– –	– –
1970	192	22	1,701	972	239	355	179	3,446	NA	– –	– –	NA	9,697	– –	– –	– –
1975	259	22	1,426	726	117	414	233	2,917	NA	– –	– –	NA	11,679	– –	– –	– –
1980	135	26	1,673	921	118	790	491	3,992	NA	– –	– –	NA	14,258	– –	– –	– –
1985	152	25	2,958	1,033	245	633	322	5,191	NA	– –	– –	NA	19,163	– –	– –	– –
1990	125	31	2,302	1,384	78	782	223	4,769	24	– –	– –	(s)	25,516	– –	– –	– –
1995	195	37	2,345	1,893	147	61	185	4,631	15	– –	– –	(s)	31,104	– –	– –	– –
2000	101	43	2,679	2,250	234	330	113	5,606	10	– –	– –	(s)	39,067	– –	– –	– –
2005	137	48	1,669	1,943	162	1,939	229	5,942	18	– –	– –	(s)	44,161	– –	– –	– –
2006	106	46	1,471	1,901	100	1,604	161	5,237	12	– –	– –	(s)	44,585	– –	– –	– –
2007	40	45	1,502	1,940	71	1,153	30	4,696	7	– –	– –	(s)	46,807	– –	– –	– –
2008	250	49	1,359	2,562	37	1,304	45	5,308	8	– –	– –	4	46,540	– –	– –	– –
2009	206	51	1,812	1,971	30	1,936	3	5,752	14	– –	– –	5	46,240	– –	– –	– –
2010	191	56	1,636	2,092	65	983	1	4,777	12	– –	– –	5	47,932	– –	– –	– –
2011	163	50	1,522	1,836	27	379	1	3,765	10	– –	– –	14	46,467	– –	– –	– –
2012	125	49	1,490	1,794	9	362	(s)	3,654	11	– –	– –	37	46,510	– –	– –	– –
2013	134	55	957	1,781	10	319	2	3,069	15	– –	– –	107	46,649	– –	– –	– –
2014	150	60	1,227	2,228	22	352	6	3,835	14	– –	– –	139	47,510	– –	– –	– –
2015	145	55	1,281	2,015	10	2,538	1	5,845	11	– –	– –	143	48,236	– –	– –	– –
2016	119	56	1,182	1,739	15	2,709	2	5,647	14	– –	– –	238	48,604	– –	– –	– –
2017	105	54	1,202	2,131	7	2,358	0	5,697	10	– –	– –	229	47,890	– –	– –	– –
2018	78	58	1,287	2,016	7	2,397	1	5,709	13	– –	– –	228	49,298	– –	– –	– –
2019	58	57	1,309	1,793	6	2,418	0	5,527	14	– –	– –	233	49,173	– –	– –	– –
2020	48	52	1,161	2,353	6	2,428	0	5,948	15	– –	– –	232	45,905	– –	– –	– –
2021	46	57	R 1,236	2,377	9	2,452	(s)	R 6,075	14	– –	– –	254	47,715	– –	– –	– –
2022	37	59	1,238	2,176	8	6,489	(s)	9,911	11	– –	– –	282	49,229	– –	– –	– –
			Trillion Btu													
1960	10.1	3.8	6.7	2.0	1.4	1.1	0.8	12.0	NA	0.8	NA	NA	9.1	35.9	R 18.3	R 54.2
1965	5.7	7.5	7.6	3.2	1.4	1.5	0.8	14.4	NA	0.6	NA	NA	18.3	46.6	R 36.0	R 82.5
1970	4.6	22.0	9.9	3.7	1.4	1.9	1.1	18.0	NA	0.4	NA	NA	33.1	78.1	R 67.8	R 145.8
1975	6.1	22.0	8.3	2.8	0.7	2.2	1.5	15.4	NA	0.4	NA	NA	39.8	83.7	R 81.4	R 165.1
1980	3.3	26.5	9.7	3.5	0.7	4.1	3.1	21.2	NA	0.6	NA	NA	48.6	100.2	R 103.5	R 203.7
1985	3.8	25.9	17.2	4.0	1.4	3.3	2.0	27.9	NA	0.7	NA	NA	65.4	123.7	R 132.9	R 256.5
1990	3.2	32.3	13.4	5.3	0.4	4.1	1.4	24.7	R 0.1	1.3	0.0	(s)	87.1	R 148.5	R 184.7	R 333.3
1995	4.9	38.6	13.6	7.3	0.8	0.3	1.2	23.2	R (s)	2.4	0.0	(s)	106.1	R 175.3	R 227.3	R 402.7
2000	2.7	44.4	15.6	8.6	1.3	1.7	0.7	28.0	R (s)	2.4	0.0	(s)	133.3	210.9	R 292.6	R 503.5
2005	3.5	49.4	9.7	7.5	0.9	10.1	1.4	29.6	R 0.1	2.5	0.0	(s)	150.7	R 235.7	R 323.6	R 559.3
2006	2.7	47.9	8.5	7.3	0.6	8.3	1.0	25.7	R (s)	2.3	0.0	(s)	152.1	R 230.8	R 330.7	R 561.5
2007	1.0	47.0	8.7	7.5	0.4	5.9	0.2	22.7	R (s)	2.4	0.0	(s)	159.7	R 232.8	R 347.3	R 580.1
2008	6.7	50.0	7.9	9.8	0.2	6.7	0.3	24.9	R (s)	2.6	0.0	(s)	158.8	243.0	R 346.6	R 589.5
2009	5.5	52.6	10.5	7.6	0.2	9.9	(s)	28.1	R (s)	2.4	0.0	(s)	157.8	R 246.5	R 334.0	R 580.4
2010	5.1	57.2	9.4	8.0	0.4	5.0	(s)	22.8	R (s)	2.3	0.0	R (s)	163.5	R 251.1	R 346.1	R 597.2
2011	4.3	50.6	8.8	7.1	0.2	1.9	(s)	17.9	R (s)	2.3	0.0	R (s)	158.5	R 233.7	R 329.8	R 563.5
2012	3.3	49.7	8.6	6.9	(s)	1.8	(s)	17.4	R (s)	2.0	0.0	R 0.1	158.7	R 231.2	R 322.9	R 554.1
2013	3.6	56.1	5.5	6.8	0.1	1.6	(s)	14.0	R (s)	2.8	0.0	R 0.4	159.2	R 236.0	R 301.6	R 537.6
2014	4.0	61.4	7.1	8.6	0.1	1.8	(s)	17.6	R (s)	3.1	0.0	R 0.5	162.1	R 248.7	R 307.2	R 555.9
2015	3.9	57.1	7.4	7.7	0.1	12.8	(s)	28.0	R (s)	2.1	0.0	R 0.5	164.6	R 256.2	R 305.3	R 561.4
2016	3.1	57.8	6.8	6.7	0.1	13.7	(s)	27.3	R (s)	2.1	0.0	R 0.8	165.8	R 257.0	R 302.9	R 559.9
2017	2.8	55.7	6.9	8.2	(s)	11.9	0.0	27.1	R (s)	2.0	0.0	R 0.8	163.4	R 251.7	R 289.2	R 541.0
2018	2.0	59.7	7.4	7.7	(s)	12.1	(s)	27.3	R (s)	2.1	0.0	R 0.8	168.2	R 260.2	R 291.6	R 551.8
2019	1.5	59.1	7.5	6.9	(s)	12.2	0.0	26.7	R (s)	1.7	0.0	R 0.8	167.8	R 257.6	R 287.0	R 544.7
2020	1.3	53.9	6.7	9.0	(s)	12.3	0.0	28.0	0.1	1.9	0.0	R 0.8	156.6	R 242.6	R 255.9	R 498.4
2021	1.2	58.6	7.1	9.1	(s)	12.4	(s)	28.7	R (s)	1.8	0.0	R 0.9	162.8	R 254.1	R 270.6	R 524.7
2022	0.9	60.6	7.1	8.4	(s)	32.8	(s)	48.3	(s)	1.3	0.0	1.0	168.0	280.1	278.2	558.3

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] Hydrocarbon gas liquids, assumed to be propane only.
[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 small amounts of petroleum coke not shown separately.
[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] Solar thermal and photovoltaic energy. Excludes a small amount of solar thermal energy consumed as heat that is included in the residential sector.
[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. 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.
[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 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. http://www.eia.gov/state/seds/

Table CT6. Industrial sector energy consumption estimates, selected years, 1960-2022, North Carolina

Year	Coal	Natural gas [a]	Petroleum						Hydro-electric power [e,f]	Biomass		Geo-thermal [f]	Solar [f,i]	Electricity [j]	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]						
	Thousand short tons	Billion cubic feet	Thousand barrels						Million kWh				Million kWh				
1960	2,421	26	3,155	730	1,089	3,967	4,396	13,336	48	– –	– –	– –	NA	8,773	– –	– –	– –
1965	2,563	47	4,710	1,156	1,315	4,005	5,538	16,724	37	– –	– –	– –	NA	10,707	– –	– –	– –
1970	2,267	75	4,514	1,891	1,004	5,809	6,273	19,492	10	– –	– –	– –	NA	16,099	– –	– –	– –
1975	1,479	62	4,271	3,695	782	7,045	5,612	21,404	5	– –	– –	– –	NA	20,875	– –	– –	– –
1980	1,375	86	4,131	4,581	514	8,468	5,536	23,230	3	– –	– –	– –	NA	25,254	– –	– –	– –
1985	2,247	75	3,613	3,606	832	5,814	5,981	19,845	3	– –	– –	– –	NA	26,272	– –	– –	– –
1990	2,989	86	3,467	3,700	807	5,121	6,614	19,708	3	– –	– –	– –	(s)	31,265	– –	– –	– –
1995	2,437	107	4,640	5,115	977	5,779	8,331	24,842	1,636	– –	– –	– –	(s)	34,063	– –	– –	– –
2000	1,762	107	4,207	5,820	804	4,729	7,705	23,265	936	– –	– –	– –	(s)	34,252	– –	– –	– –
2005	1,408	87	4,272	4,264	1,831	4,918	7,362	22,646	722	– –	– –	– –	(s)	30,101	– –	– –	– –
2006	1,225	87	3,914	5,052	1,941	3,869	7,224	22,000	494	– –	– –	– –	(s)	29,263	– –	– –	– –
2007	1,148	88	3,923	4,440	1,385	3,136	7,433	20,317	2	– –	– –	– –	(s)	28,978	– –	– –	– –
2008	1,066	89	3,369	2,807	1,131	2,843	6,295	16,445	2	– –	– –	– –	(s)	27,773	– –	– –	– –
2009	869	82	2,952	3,077	1,115	2,084	4,771	13,999	2	– –	– –	– –	(s)	25,100	– –	– –	– –
2010	883	92	3,010	4,216	1,662	1,748	6,050	16,685	2	– –	– –	– –	(s)	26,316	– –	– –	– –
2011	764	99	3,000	4,109	1,702	916	5,386	15,114	1	– –	– –	– –	(s)	26,555	– –	– –	– –
2012	661	102	2,915	3,975	1,585	454	6,308	15,236	375	– –	– –	– –	(s)	26,896	– –	– –	– –
2013	663	110	3,359	2,652	1,659	198	5,689	13,557	881	– –	– –	– –	(s)	26,872	– –	– –	– –
2014	592	108	3,219	3,158	1,271	164	5,761	13,573	0	– –	– –	– –	(s)	26,965	– –	– –	– –
2015	552	105	3,370	2,776	1,299	74	5,440	12,960	0	– –	– –	– –	2	27,701	– –	– –	– –
2016	526	106	3,776	2,221	1,280	56	R 6,892	R 14,225	0	– –	– –	– –	4	27,337	– –	– –	– –
2017	454	107	3,854	2,158	1,294	83	R 7,592	R 14,981	0	– –	– –	– –	7	27,393	– –	– –	– –
2018	398	117	3,731	2,432	1,324	82	R 7,646	R 15,214	0	– –	– –	– –	7	27,354	– –	– –	– –
2019	361	119	3,857	2,250	1,316	55	R 6,180	R 13,659	0	– –	– –	– –	7	27,391	– –	– –	– –
2020	347	115	3,428	2,403	1,328	276	R 4,961	R 12,396	0	– –	– –	– –	14	25,828	– –	– –	– –
2021	374	122	3,683	2,474	1,303	75	R 5,525	R 13,061	0	– –	– –	– –	15	27,049	– –	– –	– –
2022	375	123	3,723	2,503	1,362	77	5,799	13,464	0	– –	– –	– –	16	27,519	– –	– –	– –
			Trillion Btu														
1960	61.6	27.0	18.4	2.8	5.7	24.9	27.6	79.4	R 0.2	29.0	NA	NA	NA	29.9	R 227.0	R 60.4	R 287.4
1965	64.6	48.3	27.4	4.4	6.9	25.2	34.1	98.0	R 0.1	36.2	NA	NA	NA	36.5	R 283.8	R 71.9	R 355.7
1970	53.9	76.9	26.3	6.9	5.3	36.5	39.2	114.2	R (s)	45.0	NA	NA	NA	54.9	345.0	R 112.5	R 457.5
1975	34.7	63.2	24.9	13.1	4.1	44.3	34.9	121.3	R (s)	45.1	NA	NA	NA	71.2	335.6	R 145.4	R 481.0
1980	33.6	86.6	24.1	16.1	2.7	53.2	34.5	130.7	(s)	55.3	NA	NA	NA	86.2	392.3	R 183.3	R 575.6
1985	55.9	77.4	21.0	12.3	4.4	36.6	37.4	111.7	(s)	64.8	0.0	NA	NA	89.6	399.3	R 182.2	R 581.5
1990	74.5	88.9	20.2	12.8	4.2	32.2	41.9	111.3	(s)	82.8	0.0	0.0	(s)	106.7	R 464.2	R 226.4	R 690.6
1995	61.6	110.3	27.0	17.7	5.1	36.3	53.7	139.8	R 5.6	84.9	0.0	0.0	(s)	116.2	R 518.3	R 249.0	R 767.3
2000	46.7	109.8	24.5	19.9	4.2	29.7	48.7	127.0	R 3.2	80.6	0.0	0.0	(s)	116.9	R 484.2	R 256.5	R 740.7
2005	36.9	90.0	24.9	14.6	9.5	30.9	47.3	127.2	R 2.5	65.7	0.0	0.0	(s)	102.7	R 425.0	R 220.5	R 645.5
2006	32.2	90.2	22.7	17.3	10.1	24.3	46.2	120.6	R 1.7	73.5	(s)	0.0	(s)	99.8	R 418.0	R 217.1	R 635.1
2007	30.1	91.4	22.7	15.1	7.1	19.7	47.6	112.2	(s)	56.4	(s)	0.0	(s)	98.9	389.0	R 215.0	R 604.0
2008	27.9	92.0	19.5	9.5	5.8	17.9	40.0	92.6	(s)	84.5	(s)	0.0	(s)	94.8	391.7	R 206.8	R 598.5
2009	22.8	84.4	17.1	10.2	5.7	13.1	30.3	76.4	(s)	66.6	(s)	0.0	(s)	85.6	335.8	R 181.3	R 517.1
2010	23.1	93.9	17.4	16.2	8.4	11.0	38.7	91.7	(s)	75.8	(s)	0.0	(s)	89.8	374.3	R 190.0	R 564.3
2011	19.8	100.5	17.3	15.8	8.6	5.8	34.3	81.8	(s)	81.0	(s)	0.0	(s)	90.6	373.7	R 188.4	R 562.2
2012	17.2	103.6	16.8	15.3	8.0	2.9	40.6	83.6	R 1.3	79.8	(s)	0.0	(s)	91.8	R 377.2	R 186.7	R 564.0
2013	17.9	111.2	19.4	10.2	8.4	1.2	35.9	75.1	R 3.0	80.7	(s)	0.0	(s)	91.7	R 379.6	R 173.7	R 553.4
2014	15.8	110.6	18.6	12.1	6.4	1.0	36.3	74.5	0.0	76.9	(s)	0.0	(s)	92.0	369.7	R 174.4	R 544.1
2015	14.3	108.8	19.4	10.7	6.6	0.5	34.3	71.4	0.0	81.9	(s)	0.0	(s)	94.5	370.9	R 175.3	R 546.2
2016	13.9	109.1	21.7	8.5	6.5	0.3	R 44.0	R 81.1	0.0	77.5	(s)	0.0	(s)	93.3	374.9	R 170.3	R 545.2
2017	12.4	111.2	22.2	8.3	6.5	0.5	R 48.4	R 86.0	0.0	77.6	(s)	0.0	R (s)	93.5	R 380.7	R 165.5	R 546.1
2018	10.8	120.2	21.5	9.3	6.7	0.5	R 48.9	R 86.9	0.0	73.1	(s)	0.0	R (s)	93.3	R 384.4	R 161.8	R 546.2
2019	9.7	122.9	22.2	8.6	6.6	0.3	R 39.2	R 77.1	0.0	73.5	(s)	0.0	R (s)	93.5	R 376.7	R 159.9	R 536.6
2020	9.4	119.1	19.7	9.2	6.7	1.7	R 31.2	R 68.7	0.0	77.5	(s)	0.0	R (s)	88.1	R 362.8	R 144.0	R 506.7
2021	10.1	126.4	21.2	9.5	6.6	0.5	R 35.0	R 72.8	0.0	74.6	(s)	0.0	R (s)	92.3	R 376.3	R 153.4	R 529.7
2022	10.0	126.5	21.5	9.6	6.9	0.5	36.7	75.1	0.0	72.3	(s)	0.0	0.1	93.9	378.0	155.5	533.5

[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. http://www.eia.gov/state/seds/

Table CT7. Transportation sector energy consumption estimates, selected years, 1960-2022, North Carolina

Year	Coal	Natural gas [a]	Petroleum								Electricity [f]	End use [g,h]	Electrical system energy losses [i]	Total [g,h]
			Aviation gasoline	Distillate fuel oil [b]	HGL [c]	Jet fuel [d]	Lubricants	Motor gasoline [e]	Residual fuel oil	Total				
	Thousand short tons	Billion cubic feet	Thousand barrels								Million kilowatthours			
1960	42	2	692	3,187	5	3,401	545	34,580	494	42,905	0	– –	– –	– –
1965	8	4	714	4,458	17	3,649	578	41,551	581	51,548	0	– –	– –	– –
1970	4	6	151	6,301	65	4,702	523	54,989	345	67,077	0	– –	– –	– –
1975	(s)	4	219	8,207	108	3,809	498	65,739	263	78,844	0	– –	– –	– –
1980	0	6	215	10,707	50	5,209	635	64,918	99	81,834	0	– –	– –	– –
1985	0	5	174	13,827	183	6,668	578	69,392	97	90,917	0	– –	– –	– –
1990	0	6	213	15,804	160	5,567	650	75,937	513	98,844	0	– –	– –	– –
1995	0	6	139	19,855	141	4,947	620	85,383	299	111,384	0	– –	– –	– –
2000	0	7	140	24,918	98	7,277	662	96,699	128	129,923	0	– –	– –	– –
2005	0	4	128	27,724	1,247	7,366	559	102,026	421	139,472	(s)	– –	– –	– –
2006	0	5	107	27,801	1,173	5,323	544	102,895	193	138,036	(s)	– –	– –	– –
2007	0	5	96	27,561	900	7,161	562	105,333	590	142,202	(s)	– –	– –	– –
2008	0	5	118	23,559	1,528	5,225	522	111,718	730	143,399	5	– –	– –	– –
2009	0	8	68	24,568	1,135	1,854	469	103,597	693	132,383	7	– –	– –	– –
2010	0	8	157	25,417	56	12,443	713	104,624	391	143,801	7	– –	– –	– –
2011	0	7	147	25,061	57	12,502	675	101,446	293	140,180	7	– –	– –	– –
2012	0	5	142	23,297	54	12,874	602	99,571	3	136,543	7	– –	– –	– –
2013	0	4	122	24,726	68	13,797	644	101,533	0	140,891	7	– –	– –	– –
2014	0	4	84	26,032	59	14,365	670	101,820	(s)	143,031	9	– –	– –	– –
2015	0	4	90	26,220	76	14,338	742	104,458	9	145,933	9	– –	– –	– –
2016	0	3	93	26,365	98	14,858	R 719	108,232	21	R 150,385	6	– –	– –	– –
2017	0	3	98	26,781	26	15,741	R 664	108,443	28	R 151,781	4	– –	– –	– –
2018	0	4	102	28,623	43	15,816	R 645	108,384	27	R 153,640	13	– –	– –	– –
2019	0	4	108	28,796	34	16,417	R 627	110,844	43	R 156,869	19	– –	– –	– –
2020	0	5	102	28,574	43	11,623	R 570	98,473	1	R 139,385	16	– –	– –	– –
2021	0	5	117	R 28,088	34	14,468	R 602	109,146	33	R 152,682	14	– –	– –	– –
2022	0	8	121	27,318	68	14,901	630	109,103	34	152,335	15	– –	– –	– –
			Trillion Btu											
1960	1.1	2.5	3.5	18.6	(s)	18.2	3.3	181.6	3.1	228.4	0.0	232.0	0.0	232.0
1965	0.2	4.4	3.6	26.0	0.1	19.7	3.5	218.3	3.7	274.8	0.0	279.4	0.0	279.4
1970	0.1	6.3	0.8	36.7	0.2	25.7	3.2	288.9	2.2	357.7	0.0	364.0	0.0	364.0
1975	(s)	3.6	1.1	47.8	0.4	20.8	3.0	345.3	1.7	420.2	0.0	423.8	0.0	423.8
1980	0.0	5.9	1.1	62.4	0.2	28.7	3.8	341.0	0.6	437.8	0.0	443.8	0.0	443.8
1985	0.0	4.9	0.9	80.5	0.7	37.0	3.5	364.5	0.6	487.8	0.0	493.4	0.0	493.4
1990	0.0	6.5	1.1	92.1	0.6	30.8	3.9	398.9	3.2	530.6	0.0	537.1	0.0	537.1
1995	0.0	6.3	0.7	115.6	0.5	28.0	3.8	444.3	1.9	594.8	0.0	601.1	0.0	601.1
2000	0.0	7.4	0.7	145.0	0.4	41.3	4.0	502.9	0.8	695.1	0.0	702.5	0.0	702.5
2005	0.0	4.5	0.6	161.3	4.8	41.8	3.4	529.7	2.6	744.3	(s)	748.8	(s)	748.8
2006	0.0	4.8	0.5	161.3	4.5	30.2	3.3	533.5	1.2	734.6	(s)	739.6	(s)	739.6
2007	0.0	5.2	0.5	159.4	3.5	40.6	3.4	541.6	3.7	752.7	(s)	758.1	(s)	758.1
2008	0.0	5.5	0.6	136.2	5.9	29.6	3.2	570.4	4.6	750.4	(s)	756.1	(s)	756.2
2009	0.0	8.1	0.3	141.9	4.4	10.5	2.8	527.3	4.4	691.7	(s)	699.8	R (s)	699.9
2010	0.0	8.2	0.8	146.8	0.2	70.6	4.3	530.1	2.5	755.3	(s)	763.4	0.1	763.5
2011	0.0	7.5	0.7	144.6	0.2	70.9	4.1	513.6	1.8	736.0	(s)	743.5	0.1	743.5
2012	0.0	5.5	0.7	134.4	0.2	73.0	3.7	504.0	(s)	716.0	(s)	721.5	R (s)	721.6
2013	0.0	4.2	0.6	142.5	0.3	78.2	3.9	513.8	0.0	739.3	(s)	743.5	R (s)	743.5
2014	0.0	4.1	0.4	150.0	0.2	81.4	4.1	515.1	(s)	751.3	(s)	755.4	0.1	755.5
2015	0.0	4.6	0.5	151.1	0.3	81.3	4.5	528.2	0.1	765.9	(s)	770.6	0.1	R 770.6
2016	0.0	2.9	0.5	151.8	0.4	84.2	R 4.4	547.1	0.1	R 788.5	(s)	791.4	(s)	791.4
2017	0.0	3.4	0.5	154.2	0.1	89.3	4.0	548.0	0.2	796.2	(s)	799.6	(s)	799.6
2018	0.0	4.4	0.5	164.8	0.2	89.7	3.9	547.8	0.2	R 807.1	(s)	811.5	0.1	811.6
2019	0.0	4.4	0.5	165.8	0.1	93.1	3.8	560.0	0.3	R 823.7	0.1	R 828.1	0.1	828.2
2020	0.0	5.0	0.5	164.5	0.2	65.9	R 3.5	497.5	(s)	732.0	0.1	737.0	0.1	737.1
2021	0.0	4.9	0.6	R 161.9	0.1	82.0	R 3.7	551.2	0.2	R 800.7	(s)	R 805.7	0.1	R 805.8
2022	0.0	7.8	0.6	157.5	0.3	84.5	3.8	550.9	0.2	798.6	0.1	806.5	0.1	806.5

[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] 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.
[g] There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of fuel ethanol beginning in 1981.
[h] For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column.
[i] 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. http://www.eia.gov/state/seds/

Table CT8. Electric power sector consumption estimates, selected years, 1960-2022, North Carolina

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	5,488	5	60	0	19	79	0	4,951	– –	0	NA	NA	0	– –
1965	9,595	3	53	0	16	70	0	5,349	– –	0	NA	NA	0	– –
1970	17,709	21	1,432	0	445	1,877	0	4,363	– –	0	NA	NA	0	– –
1975	18,206	(s)	93	0	237	330	1,405	7,050	– –	0	NA	NA	0	– –
1980	23,920	2	561	0	(s)	561	5,775	5,483	– –	0	NA	NA	0	– –
1985	19,610	1	443	0	0	443	19,303	4,091	– –	0	0	0	0	– –
1990	19,444	3	390	0	0	390	25,905	6,792	– –	0	0	0	0	– –
1995	23,774	6	533	0	0	533	35,910	3,871	– –	0	0	0	0	– –
2000	29,496	13	1,169	0	0	1,169	39,127	2,192	– –	0	0	0	0	– –
2005	31,303	27	548	0	0	548	39,982	4,656	– –	0	0	0	0	– –
2006	30,456	28	473	0	0	473	39,963	3,333	– –	0	0	0	0	– –
2007	32,412	40	525	0	0	525	40,045	2,975	– –	0	0	0	0	– –
2008	31,116	36	477	0	0	477	39,776	3,024	– –	0	2	0	0	– –
2009	26,427	40	484	0	0	484	40,848	5,155	– –	0	5	0	0	– –
2010	29,455	73	528	0	0	528	40,740	4,743	– –	0	11	0	0	– –
2011	24,591	90	381	0	0	381	40,527	3,882	– –	0	17	0	0	– –
2012	20,876	151	342	0	0	342	39,386	3,342	– –	0	138	0	0	– –
2013	19,170	201	392	0	0	392	40,242	6,005	– –	0	297	0	0	– –
2014	19,539	206	879	0	0	879	40,967	4,742	– –	0	652	0	0	– –
2015	15,666	269	791	0	0	791	42,097	4,731	– –	0	1,296	0	0	– –
2016	14,802	293	477	0	0	477	42,786	4,403	– –	0	3,296	6	0	– –
2017	13,461	278	472	0	0	472	42,374	3,808	– –	0	4,996	471	1	– –
2018	12,599	330	1,205	0	0	1,205	42,077	6,592	– –	0	5,999	543	1	– –
2019	12,352	304	344	0	0	344	41,916	6,172	– –	0	7,342	523	0	– –
2020	8,575	303	231	0	0	231	42,329	7,942	– –	0	8,173	546	0	– –
2021	8,451	361	358	0	0	358	43,118	5,799	– –	0	10,011	515	0	– –
2022	6,029	463	512	0	0	512	42,644	4,675	– –	0	11,146	547	0	– –
							Trillion Btu							
1960	144.0	4.8	0.4	0.0	0.1	0.5	0.0	R 16.9	0.0	0.0	NA	NA	0.0	R 166.2
1965	247.7	3.0	0.3	0.0	0.1	0.4	0.0	R 18.3	0.0	0.0	NA	NA	0.0	R 269.3
1970	427.0	21.6	8.3	0.0	2.8	11.1	0.0	R 14.9	0.0	0.0	NA	NA	0.0	R 474.7
1975	433.1	0.1	0.5	0.0	1.5	2.0	15.5	R 24.1	0.0	0.0	NA	NA	0.0	R 474.8
1980	586.9	1.8	3.3	0.0	(s)	3.3	63.0	R 18.7	0.0	0.0	NA	NA	0.0	R 673.7
1985	489.8	0.6	2.6	0.0	0.0	2.6	205.0	R 14.0	0.0	0.0	0.0	0.0	0.0	R 711.9
1990	489.8	2.9	2.3	0.0	0.0	2.3	274.1	R 23.2	1.8	0.0	0.0	0.0	0.0	R 794.1
1995	595.7	5.8	3.1	0.0	0.0	3.1	377.3	R 13.2	6.5	0.0	0.0	0.0	0.0	R 1,001.6
2000	736.4	13.2	6.8	0.0	0.0	6.8	408.1	R 7.5	6.7	0.0	0.0	0.0	0.0	R 1,178.5
2005	771.2	27.4	3.2	0.0	0.0	3.2	417.2	R 15.9	7.2	0.0	0.0	0.0	0.0	R 1,242.2
2006	742.8	28.7	2.7	0.0	0.0	2.7	417.0	R 11.4	8.4	0.0	0.0	0.0	0.0	R 1,211.1
2007	796.7	40.7	3.0	0.0	0.0	3.0	420.0	R 10.1	8.5	0.0	0.0	0.0	0.0	R 1,279.1
2008	760.1	36.4	2.8	0.0	0.0	2.8	415.7	R 10.3	7.9	0.0	(s)	0.0	0.0	R 1,233.3
2009	650.4	40.2	2.8	0.0	0.0	2.8	427.2	R 17.6	11.0	0.0	(s)	0.0	0.0	R 1,149.3
2010	721.0	73.6	3.1	0.0	0.0	3.1	425.8	R 16.2	13.4	0.0	R (s)	0.0	0.0	R 1,253.0
2011	600.7	90.2	2.2	0.0	0.0	2.2	424.1	R 13.2	15.5	0.0	R 0.1	0.0	0.0	R 1,146.0
2012	514.2	151.8	2.0	0.0	0.0	2.0	412.7	R 11.4	18.0	0.0	R 0.5	0.0	0.0	R 1,110.5
2013	472.3	203.0	2.3	0.0	0.0	2.3	420.5	R 20.5	18.1	0.0	R 1.0	0.0	0.0	R 1,137.6
2014	481.9	209.1	5.1	0.0	0.0	5.1	428.5	R 16.2	20.0	0.0	R 2.2	0.0	0.0	R 1,163.0
2015	387.3	278.7	4.6	0.0	0.0	4.6	440.2	R 16.1	16.6	0.0	R 4.4	0.0	0.0	R 1,148.0
2016	364.7	303.6	2.7	0.0	0.0	2.7	447.5	R 15.0	17.8	0.0	R 11.2	R (s)	0.0	R 1,162.7
2017	335.1	288.3	2.7	0.0	0.0	2.7	443.2	R 13.0	20.9	0.0	R 17.0	R 1.6	(s)	R 1,121.9
2018	312.3	339.6	6.9	0.0	0.0	6.9	439.9	R 22.5	19.3	0.0	R 20.5	R 1.9	(s)	R 1,162.9
2019	306.9	313.0	2.0	0.0	0.0	2.0	437.7	R 21.1	20.0	0.0	R 25.1	R 1.8	0.0	R 1,127.5
2020	213.3	313.4	1.3	0.0	0.0	1.3	442.2	R 27.1	17.3	0.0	R 27.9	R 1.9	0.0	R 1,044.4
2021	211.2	373.1	2.1	0.0	0.0	2.1	R 449.7	R 19.8	12.0	0.0	R 34.2	R 1.8	0.0	R 1,103.8
2022	152.0	478.1	3.0	0.0	0.0	3.0	444.7	16.0	9.7	0.0	38.0	1.9	0.0	1,143.4

[a] Includes supplemental gaseous fuels that are commingled with natural gas.
[b] 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. 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. http://www.eia.gov/state/seds/