

State Energy Report
FY20-FY21

id	year	name	total utility \$	total energy \$	total btu	kwh	kwh \$	ng therms	ng \$	2oil gals	2oil \$	6 oil gals	6oil \$	propane gals	propane \$	coal tons	coal \$	wood tons	wood \$	steam mlbs	steam \$	chw tons	chw \$	mgal water	water sewer \$ *	gsf	construction gsf	renovated gsf	steam distribution losses	chw generation efficiency	mgal non-potable water	nonpotable water \$ *
60005002	2002-03	UNC Chapel Hill	\$50,155,937	\$47,524,510	2,607,940,992,844	233,785,097	\$13,249,697	795,084	\$725,083	0	\$0	0	\$0	61,786	\$63,298	0	\$0	0	\$0	1,023,450	\$24,096,183	97,308,346	\$9,390,249	666,812	\$2,631,427	13,477,719	0	0	1.140	1.00	0	\$0
60005002	2003-04	UNC Chapel Hill	\$49,372,778	\$46,743,474	2,482,694,253,679	230,739,530	\$11,483,929	561,318	\$749,380	0	\$0	0	\$0	64,135	\$71,703	0	\$0	0	\$0	953,841	\$24,494,432	100,057,922	\$9,944,030	659,382	\$2,629,304	13,537,153	0	0	1.134	1.00	0	\$0
60005002	2004-05	UNC Chapel Hill	\$51,405,301	\$48,554,958	2,405,568,302,092	243,891,153	\$12,034,683	710,997	\$873,411	0	\$0	0	\$0	67,372	\$73,197	0	\$0	0	\$0	929,124	\$24,957,387	101,921,138	\$10,616,280	632,909	\$2,850,343	13,623,133	0	0	1.129	0.70	0	\$0
60005002	2005-06	UNC Chapel Hill	\$59,030,264	\$56,756,725	2,532,363,522,930	262,045,017	\$15,997,934	767,666	\$1,330,541	0	\$0	0	\$0	64,152	\$85,995	0	\$0	0	\$0	940,665	\$26,770,789	117,210,052	\$12,571,466	681,288	\$2,273,539	15,680,862	1,904,076	0	1.123	0.74	0	\$0
60005002	2006-07	UNC Chapel Hill	\$67,204,615	\$63,826,422	2,742,014,824,634	277,393,494	\$16,216,256	799,762	\$1,039,796	0	\$0	0	\$0	81,561	\$101,090	0	\$0	0	\$0	1,057,811	\$31,302,141	111,195,834	\$15,167,139	670,094	\$3,378,193	15,974,743	1,664,151	462,403	1.118	0.78	0	\$0
60005002	2007-08	UNC Chapel Hill	\$74,844,771	\$71,145,684	2,729,529,583,890	282,711,813	\$18,666,317	775,414	\$1,101,440	0	\$0	0	\$0	110,367	\$195,788	0	\$0	0	\$0	1,045,328	\$33,971,101	114,333,503	\$17,211,038	675,445	\$3,699,087	17,092,418	953,497	585,803	1.112	0.74	0	\$0
60005002	2008-09	UNC Chapel Hill	\$86,467,001	\$82,514,372	2,924,671,346,822	292,936,547	\$20,790,719	937,554	\$1,192,726	0	\$0	0	\$0	119,094	\$163,132	0	\$0	0	\$0	1,144,545	\$40,896,635	124,566,918	\$19,471,160	631,471	\$3,952,629	17,475,715	897,183	207,782	1.107	0.73	27,054	\$0
60005002	2009-10	UNC Chapel Hill	\$90,402,594	\$85,536,759	2,761,672,511,022	308,159,527	\$22,743,721	990,884	\$868,069	0	\$0	0	\$0	125,131	\$193,873	0	\$0	0	\$0	1,004,820	\$42,985,117	110,944,542	\$18,745,979	568,360	\$4,865,835	17,657,302	414,671	119,594	1.101	0.74	108,933	\$0
60005002	2010-11	UNC Chapel Hill	\$90,825,193	\$85,496,425	2,630,663,880,848	302,520,292	\$22,721,380	835,213	\$789,121	0	\$0	0	\$0	133,179	\$240,400	0	\$0	0	\$0	940,777	\$41,499,229	112,166,640	\$20,246,295	533,517	\$5,301,783	17,891,477	427,447	164,026	1.096	0.71	190,297	\$26,985
60005002	2011-12	UNC Chapel Hill	\$91,808,792	\$86,223,027	2,437,400,764,398	303,643,480	\$23,844,221	885,727	\$649,160	0	\$0	0	\$0	86,818	\$166,878	0	\$0	0	\$0	810,731	\$40,097,298	110,381,869	\$21,465,470	510,622	\$5,542,424	18,170,174	451,201	73,850	1.090	0.66	196,364	\$43,341
60005002	2012-13	UNC Chapel Hill	\$92,506,209	\$87,101,085	2,401,484,498,076	291,823,725	\$24,116,703	583,841	\$701,493	0	\$0	0	\$0	133,709	\$143,821	0	\$0	0	\$0	877,342	\$41,300,937	93,034,998	\$20,838,131	485,814	\$5,405,124	18,604,230	455,508	16,791	1.090	0.61	175,229	\$44,700
60005002	2013-14	UNC Chapel Hill	\$93,581,449	\$87,855,448	2,484,268,721,862	291,025,539	\$23,516,562	950,740	\$796,373	0	\$0	0	\$0	119,526	\$191,063	0	\$0	0	\$0	907,162	\$41,780,831	95,043,599	\$21,570,618	480,771	\$5,726,001	18,613,943	339,090	11,141	1.090	0.63	180,356	\$47,160
60005002	2014-15	UNC Chapel Hill	\$96,432,349	\$90,754,182	2,587,531,494,187	300,310,121	\$24,322,207	960,210	\$702,614	0	\$0	0	\$0	133,240	\$117,698	0	\$0	0	\$0	954,304	\$43,474,342	101,012,870	\$22,137,321	492,726	\$5,678,167	18,950,654	0	15,600	1.090	0.62	180,531	\$61,726
60005002	2015-16	UNC Chapel Hill	\$94,298,406	\$89,042,826	2,526,858,422,633	302,976,765	\$23,081,028	804,998	\$471,998	0	\$0	0	\$0	84,388	\$48,899	0	\$0	0	\$0	888,468	\$42,665,167	112,076,087	\$22,775,734	453,535	\$5,255,580	18,943,498	2,800	579,409	1.090	0.65	218,069	\$38,003
60005002	2016-17	UNC Chapel Hill	\$91,124,062	\$86,072,151	2,423,376,340,726	290,074,425	\$22,162,933	800,054	\$469,633	0	\$0	0	\$0	105,114	\$83,031	0	\$0	0	\$0	834,069	\$40,953,810	117,276,882	\$22,382,744	434,471	\$5,051,911	18,821,890	224,364	74,394	1.090	0.65	232,492	\$62,002
60005002	2017-18	UNC Chapel Hill	\$91,500,638	\$86,254,576	2,548,036,721,234	291,875,721	\$22,246,835	829,722	\$463,350	0	\$0	0	\$0	125,473	\$134,328	0	\$0	0	\$0	924,852	\$41,261,443	115,249,460	\$22,148,620	456,104	\$5,246,062	19,030,096	164,404	392,887	1.090	0.65	219,230	\$77,308
60005002	2018-19	UNC Chapel Hill	\$92,636,178	\$87,204,319	2,493,620,081,597	279,295,805	\$22,181,175	728,063	\$569,964	0	\$0	0	\$0	133,065	\$121,501	0	\$0	0	\$0	910,775	\$41,098,911	122,643,140	\$23,232,768	463,125	\$5,431,859	19,483,802	311,851	141,989	1.090	0.65	320,919	\$136,913
60005002	2019-20	UNC Chapel Hill	\$91,712,514	\$87,067,233	2,433,508,611,518	280,283,850	\$21,891,907	769,847	\$451,784	0	\$0	0	\$0	112,059	\$73,721	0	\$0	0	\$0	877,649	\$41,766,114	112,378,985	\$22,883,707	378,805	\$4,645,281	19,569,181	43,324	147,597	1.090	0.65	244,978	\$44,754
60005002	2020-21	UNC Chapel Hill	\$88,181,905	\$84,505,861	2,346,170,847,602	258,317,547	\$20,487,056	739,894	\$458,954	0	\$0	0	\$0	63,737	\$56,034	0	\$0	0	\$0	882,976	\$41,461,211	106,322,781	\$22,042,606	316,123	\$3,676,044	19,099,722	407,392	194,709	1.090	0.65	220,442	\$56,610
60005002	2021-22	UNC Chapel Hill	\$0	\$0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	\$0
60005002	2022-23	UNC Chapel Hill	\$0	\$0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	\$0
60005002	2023-24	UNC Chapel Hill	\$0	\$0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	\$0
60005002	2024-25	UNC Chapel Hill	\$0	\$0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	\$0
60005002	2025-26	UNC Chapel Hill	\$0	\$0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	\$0
60005002	2026-27	UNC Chapel Hill	\$0	\$0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	\$0
60005002	2027-28	UNC Chapel Hill	\$0	\$0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	\$0
60005002	2028-29	UNC Chapel Hill	\$0	\$0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	\$0
60005002	2029-30	UNC Chapel Hill	\$0	\$0	0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	\$0	0	0	0	0	0	0	\$0

* Water and non potable costs for consumption related to processes for chilled water and steam are reported in the energy costs only

id	year	name	energy evaluation						water/sewer evaluation					
			energy \$ avoided	energy \$/gsf	\$/mmbtu	\$/mmbtu %change	btu/sf	btu/sf %change	water \$ avoided**	\$/mgal	\$/mgal %change	gal/sf	gal/sf %change	
60005002	2002-03	UNC Chapel Hill	\$3.53		\$18.22		193,500		\$3.95		49.48			
60005002	2003-04	UNC Chapel Hill	\$2,574,639	\$3.45	\$18.83	3%	183,399	-5%	\$41,353	\$3.99	1%	48.71	-2%	
60005002	2004-05	UNC Chapel Hill	\$4,652,713	\$3.56	\$20.18	11%	176,580	-9%	\$185,084	\$4.50	14%	46.46	-6%	
60005002	2005-06	UNC Chapel Hill	\$11,248,546	\$3.62	\$22.41	23%	161,494	-17%	\$315,440	\$3.34	-15%	43.45	-12%	
60005002	2006-07	UNC Chapel Hill	\$8,126,087	\$4.00	\$23.28	28%	171,647	-11%	\$606,268	\$5.04	28%	41.95	-15%	
60005002	2007-08	UNC Chapel Hill	\$15,061,929	\$4.16	\$26.07	43%	159,692	-17%	\$932,129	\$5.48	39%	39.52	-20%	
60005002	2008-09	UNC Chapel Hill	\$12,890,125	\$4.72	\$28.21	55%	167,356	-14%	\$1,459,331	\$6.26	59%	36.13	-27%	
60005002	2009-10	UNC Chapel Hill	\$20,287,765	\$4.84	\$30.97	70%	156,404	-19%	\$2,613,194	\$8.56	117%	32.19	-35%	
60005002	2010-11	UNC Chapel Hill	\$27,018,504	\$4.78	\$32.50	78%	147,034	-24%	\$3,467,671	\$9.94	152%	29.82	-40%	
60005002	2011-12	UNC Chapel Hill	\$38,153,026	\$4.75	\$35.37	94%	134,143	-31%	\$4,171,910	\$10.85	175%	28.10	-43%	
60005002	2012-13	UNC Chapel Hill	\$43,466,942	\$4.68	\$36.27	99%	129,083	-33%	\$4,790,987	\$11.13	182%	26.11	-47%	
60005002	2013-14	UNC Chapel Hill	\$39,521,215	\$4.72	\$35.36	94%	133,463	-31%	\$5,242,279	\$11.91	202%	25.83	-48%	
60005002	2014-15	UNC Chapel Hill	\$37,859,321	\$4.79	\$35.07	92%	136,540	-29%	\$5,126,562	\$11.52	192%	26.00	-47%	
60005002	2015-16	UNC Chapel Hill	\$40,126,551	\$4.70	\$35.24	93%	133,389	-31%	\$5,605,100	\$11.59	194%	23.94	-52%	
60005002	2016-17	UNC Chapel Hill	\$43,283,792	\$4.57	\$35.52	95%	128,753	-33%	\$5,776,011	\$11.63	195%	23.08	-53%	
60005002	2017-18	UNC Chapel Hill	\$38,397,296	\$4.53	\$33.85	86%	133,895	-31%	\$5,583,167	\$11.50	191%	23.97	-52%	
60005002	2018-19	UNC Chapel Hill	\$44,640,412	\$4.48	\$34.97	92%	127,984	-34%	\$5,874,193	\$11.73	197%	23.77	-52%	
60005002	2019-20	UNC Chapel Hill	\$48,412,979	\$4.45	\$35.78	96%	124,354	-36%	\$7,227,595	\$12.26	211%	19.36	-61%	
60005002	2020-21	UNC Chapel Hill	\$48											