

State Energy Report
FY17-FY18

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 mibs	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	2,607,959,528,644	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	1.140	1.00	0	\$0	
60005002	2003-04	UNC Chapel Hill	\$49,372,778	\$46,743,474	2,482,713,494,179	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	1.134	1.00	0	\$0	
60005002	2004-05	UNC Chapel Hill	\$51,405,301	\$48,554,958	2,405,588,513,692	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	1.129	0.70	0	\$0	
60005002	2005-06	UNC Chapel Hill	\$59,030,264	\$56,756,725	2,532,382,768,530	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	2,742,039,292,934	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	2,729,562,693,990	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	2,924,707,075,022	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	2,761,710,050,322	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	2,630,703,834,548	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	2,437,426,809,798	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	\$87,101,095	2,401,524,610,776	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	2,484,304,579,662	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	2,587,571,466,187	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		15,600	1.090	0.62	180,531	\$61,726	
60005002	2015-16	UNC Chapel Hill	\$94,298,406	\$89,042,826	2,526,883,739,033	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	2,423,407,874,926	290,074,425	\$22,162,933	800,054	\$489,633	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	2,548,074,363,134	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	\$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	\$0
60005002	2019-20	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	\$0

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

			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		193,502		95			49.48											
60005002	2003-04	UNC Chapel Hill	\$2,574,607	\$3.45	\$18.83	3%	183,400	-5%	\$41,353	\$3.99	1%	48.71	%										
60005002	2004-05	UNC Chapel Hill	\$4,652,644	\$3.56	\$20.18	11%	176,581	-9%	\$185,084	\$4.50	14%	46.46	%										
60005002	2005-06	UNC Chapel Hill	\$11,248,512	\$3.62	\$22.41	23%	161,495	-17%	\$315,440	\$3.34	-15%	43.45	12%										
60005002	2006-07	UNC Chapel Hill	\$8,125,957	\$4.00	\$23.28	28%	171,648	-11%	\$606,268	\$5.04	28%	41.95	15%										
60005002	2007-08	UNC Chapel Hill	\$15,061,496	\$4.16	\$26.06	43%	159,694	-17%	\$932,129	\$5.48	39%	39.52	20%										
60005002	2008-09	UNC Chapel Hill	\$12,889,637	\$4.72	\$28.21	55%	167,358	-14%	\$1,459,331	\$6.26	59%	36.13	27%										
60005002	2009-10	UNC Chapel Hill	\$20,287,078	\$4.84	\$30.97	70%	156,406	-19%	\$2,613,194	\$8.56	117%	32.19	35%										
60005002	2010-11	UNC Chapel Hill	\$27,017,595	\$4.78	\$32.50	78%	147,037	-24%	\$3,467,671	\$9.94	152%	29.82	40%										
60005002	2011-12	UNC Chapel Hill	\$38,152,581	\$4.75	\$35.37	94%	134,144	-31%	\$4,171,910	\$10.85	175%	28.10	43%										
60005002	2012-13	UNC Chapel Hill	\$43,465,689	\$4.68	\$36.27	99%	129,085	-33%	\$4,790,987	\$11.13	182%	26.11	47%										
60005002	2013-14	UNC Chapel Hill	\$39,520,282	\$4.72	\$35.36	94%	133,465	-31%	\$5,242,279	\$11.91	202%	25.83	48%										
60005002	2014-15	UNC Chapel Hill	\$37,858,249	\$4.79	\$35.07	92%	136,543	-29%	\$5,126,562	\$11.52	192%	26.00	47%										
60005002	2015-16	UNC Chapel Hill	\$40,126,175	\$4.70	\$35.24	93%	133,391	-31%	\$5,605,100	\$11.59	194%	23.94	52%										
60005002	2016-17	UNC Chapel Hill	\$43,283,028	\$4.57	\$35.52	96%	128,755	-33%	\$5,776,011	\$11.63	195%	23.08	53%										
60005002	2017-18	UNC Chapel Hill	\$38,396,340	\$4.53	\$33.85	86%	133,897	-31%	\$5,583,167	\$11.50	191%	23.97	52%										
60005002	2018-19	UNC Chapel Hill	\$0	\$0.00	\$0.00	0%	0	0%	\$0	\$0.00	0%	0.00											
60005002	2019-20	UNC Chapel Hill	\$0	\$0.00	\$0.00	0%	0	0%	\$0	\$0.00	0%	0.00											

**Wate avoided costs include additional expenses for non potable water