UNC Asheville

Utilities at a Glance

UNC Asheville Utilities

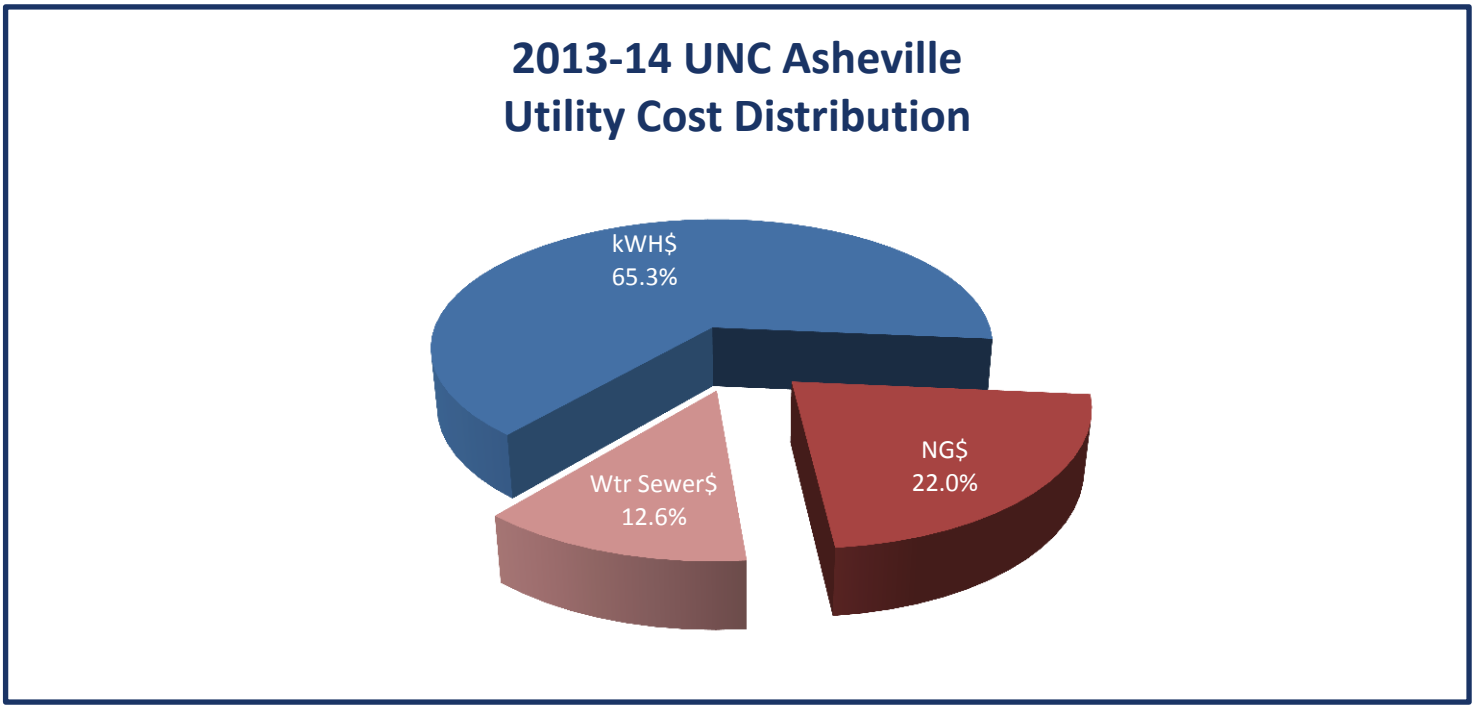
Metric	Basline 2002-2003	Current 2013-2014	% change
Gross square feet	958,716	1,565,705	63%
Btu per square foot per year	93,392	91,193	-2%
Cost per million Btu	$ 13.71	$ 16.19	18%
Total Avoided Cost		$2,660,190.18	
Electric consumption in kWh	14,089,140	21,097,239	50%
Electric Cost	$ 871,495	$ 1,728,212	98%
Natural Gas consumption in Therms	414,647	707,970	71%
Natural Gas Cost	$ 355,931	$ 583,169	64%
#2 Fuel oil gallons	0	0	%
#2 Fuel oil cost	$ -	$ -	%
#6 Fuel oil gallons	0	0	%
#6 Fuel oil cost	$ -	$ -	%
Propane gallons	3,906	0	-100%
Propane cost	$ 4,978	$ -	-100%
Steam thousands of pounds	0	0	%
Steam cost	$ -	$ -	%
Chilled Water tons	0	0	%
Chilled Water cost	$ -	$ -	%
Water thousands of gallons	27,295	29,661	9%
Water & Sewer cost	$ 169,923	$ 334,709	97%

UNC Asheville

Year End Utility Comparison

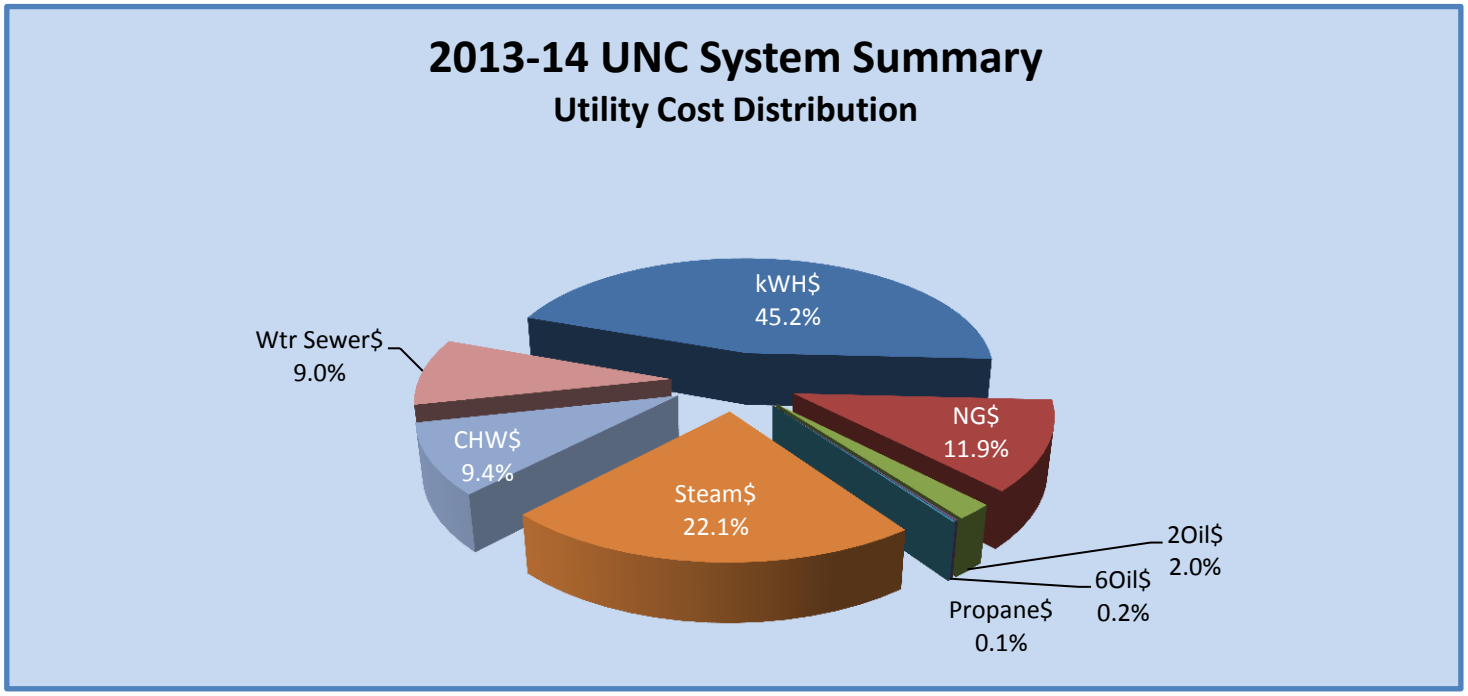
UNC A Utilities Summary 2013-2014

kWH$	NG$	2Oil$	6Oil$	Propane$	Steam$	CHW$	Wtr Sewer$	Total Utility $
$ 1,728,212	$ 583,169						$ 334,709	$ 2,646,090



UNC System Utilities Summary 2013-2014

kWH$	NG$	2Oil$	6Oil$	Propane$	Steam$	CHW$	Wtr Sewer$	Total Utility $
$ 105,486,830	$ 27,833,187	$ 4,769,110	$ 357,520	$ 323,851	$ 51,596,243	$ 21,825,151	$ 20,936,533	$ 233,128,425

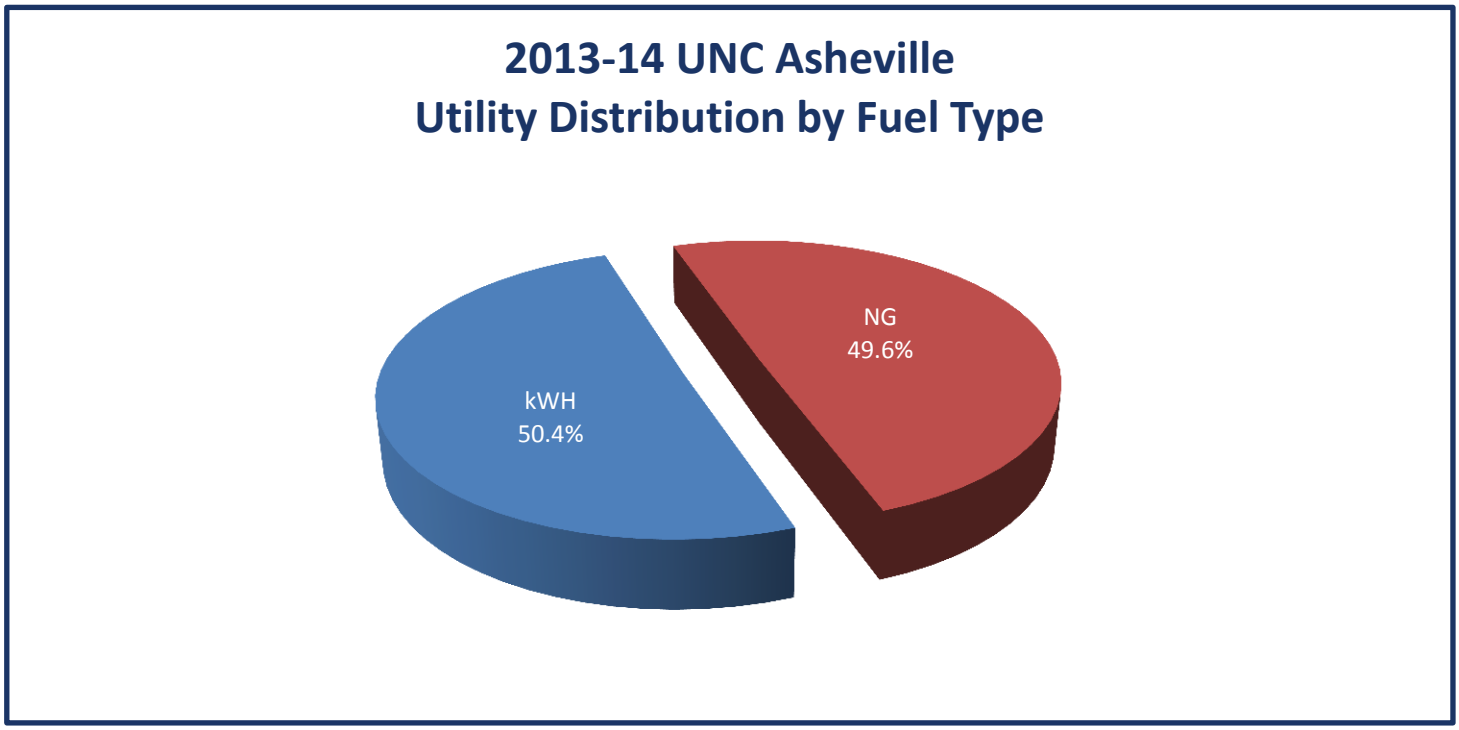


UNC Asheville

Year End Btu by Fuel Type for 2013-2014

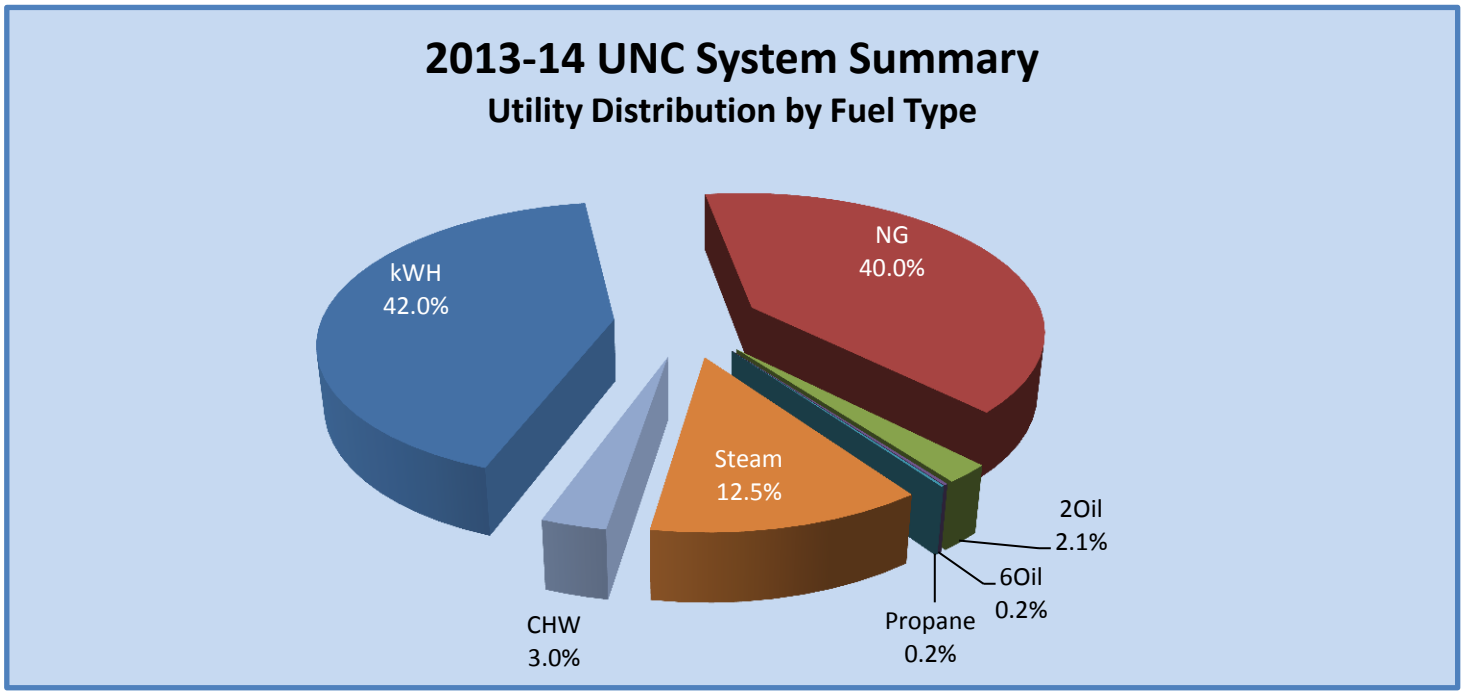
UNC A Btu by Fuel Type 2013-2014

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
71,983,779,468	70,797,000,000	0	0	0	0	0	142,780,779,468



UNC System Btu by Fuel Type 2013-2014

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
4,619,045,582,900	4,400,796,880,000	235,231,889,133	21,306,047,627	16,921,575,117	1,373,131,044,000	328,565,033,036	10,994,998,051,813

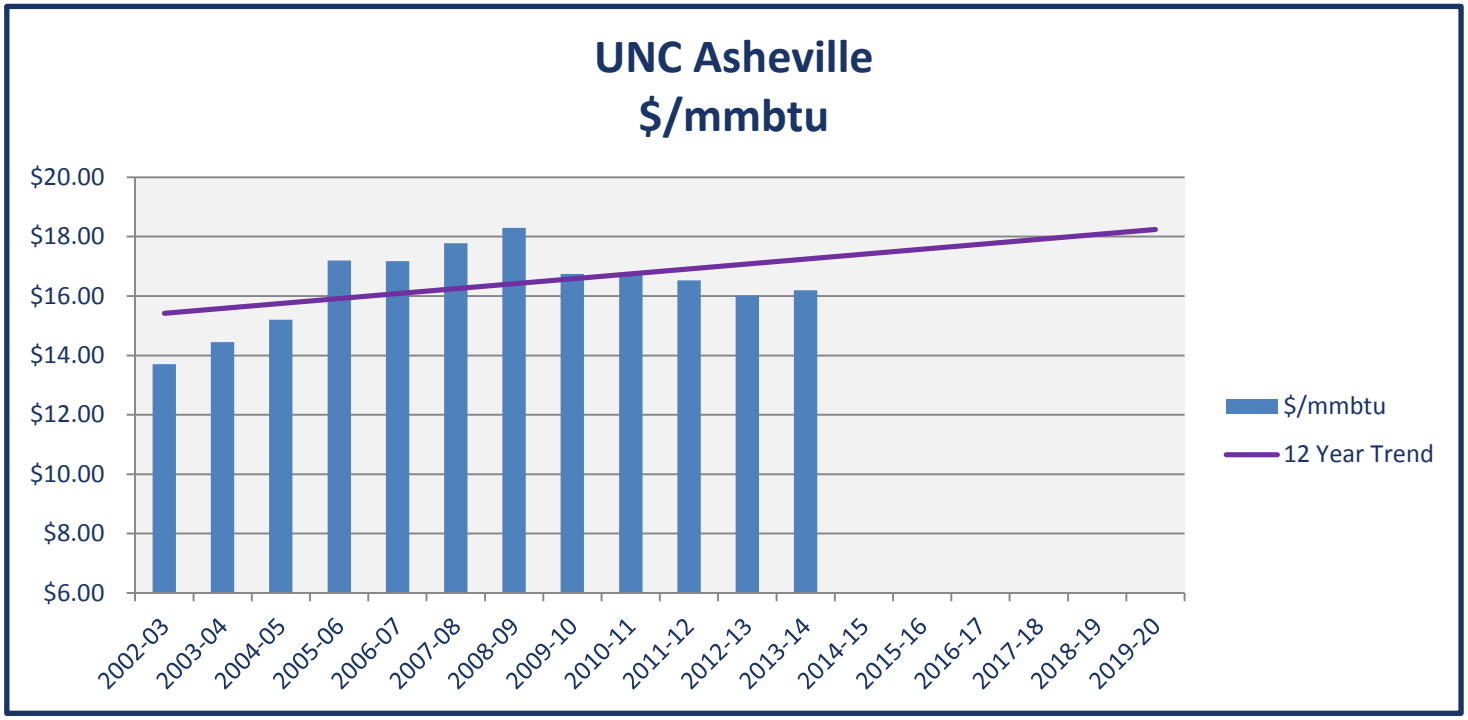


UNC Asheville

12 Year Energy $/mmbtu Evaluation 2003-2014 & Trend Through 2020

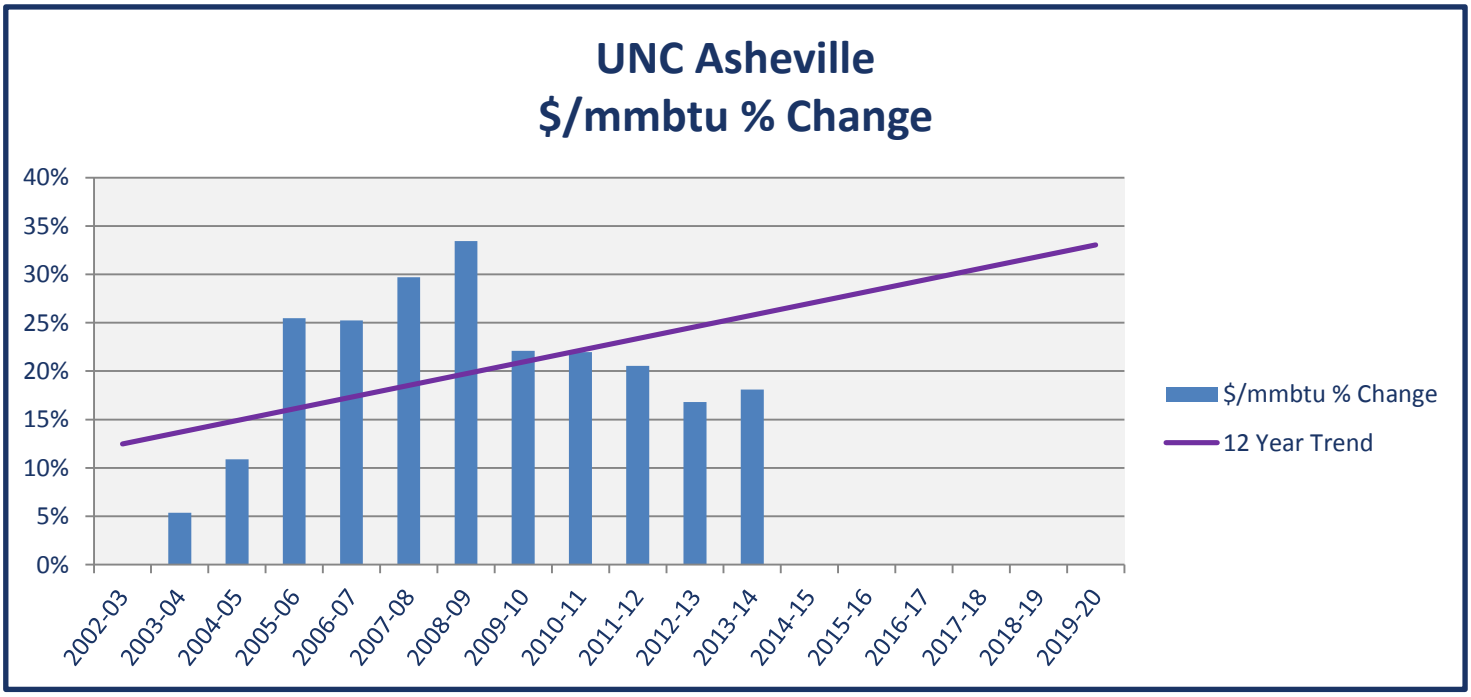
UNC A Energy $/mmbtu

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
$ 13.71	$ 14.45	$ 15.20	$ 17.20	$ 17.17	$ 17.78	$ 18.30	$ 16.74	$ 16.72
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
$ 16.52	$ 16.01	$ 16.19						



UNC A Energy $/mmbtu % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
0%	5%	11%	25%	25%	30%	33%	22%	22%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
21%	17%	18%						

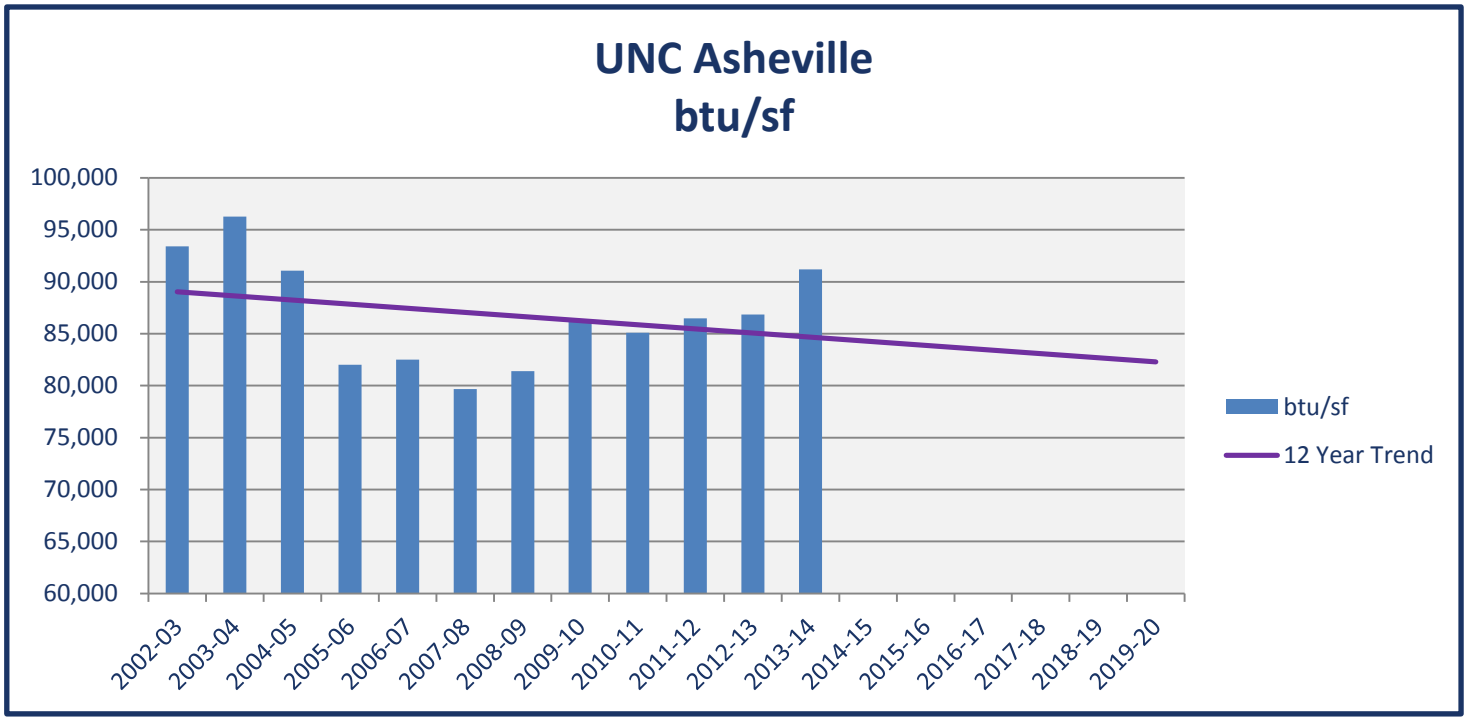


UNC Asheville

12 Year Energy btu/sf Evaluation 2003-2014 & Trend Through 2020

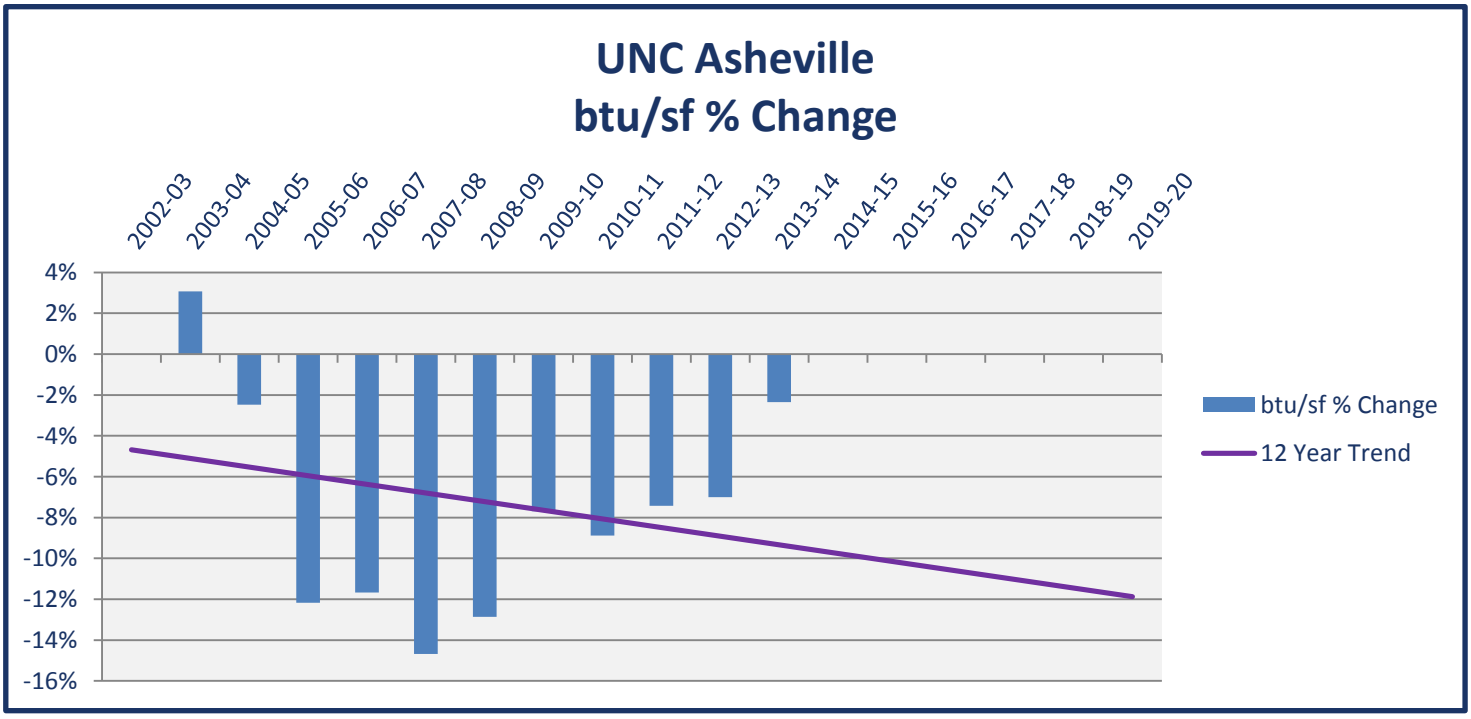
UNC A Energy btu/sf

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
93,392	96,265	91,078	82,024	82,489	79,681	81,385	86,210	85,104
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
86,465	86,847	91,193						



UNC A Energy btu/sf % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
0%	3%	-2%	-12%	-12%	-15%	-13%	-8%	-9%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
-7%	-7%	-2%						

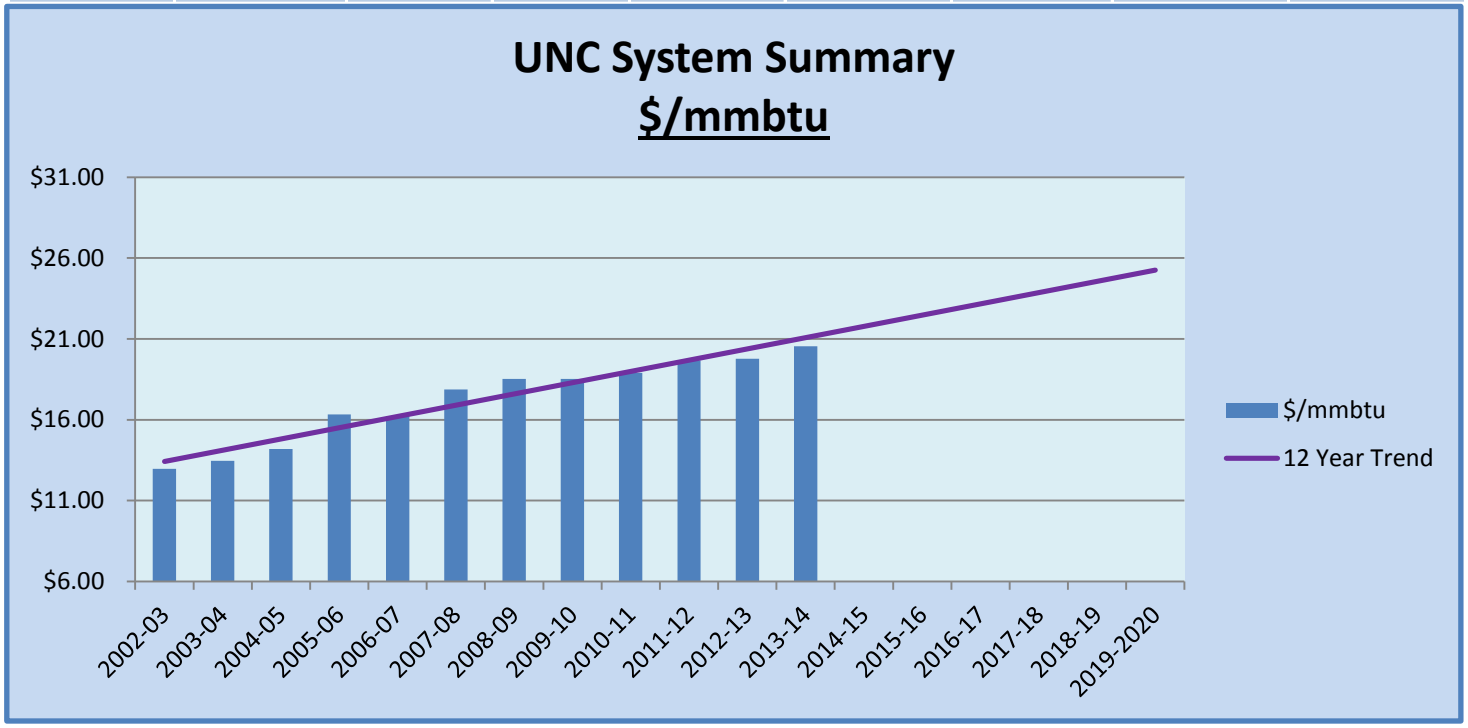


UNC System Summary

12 Year Energy $/mmbtu Evaluation 2003-2014 & Trend Through 2020

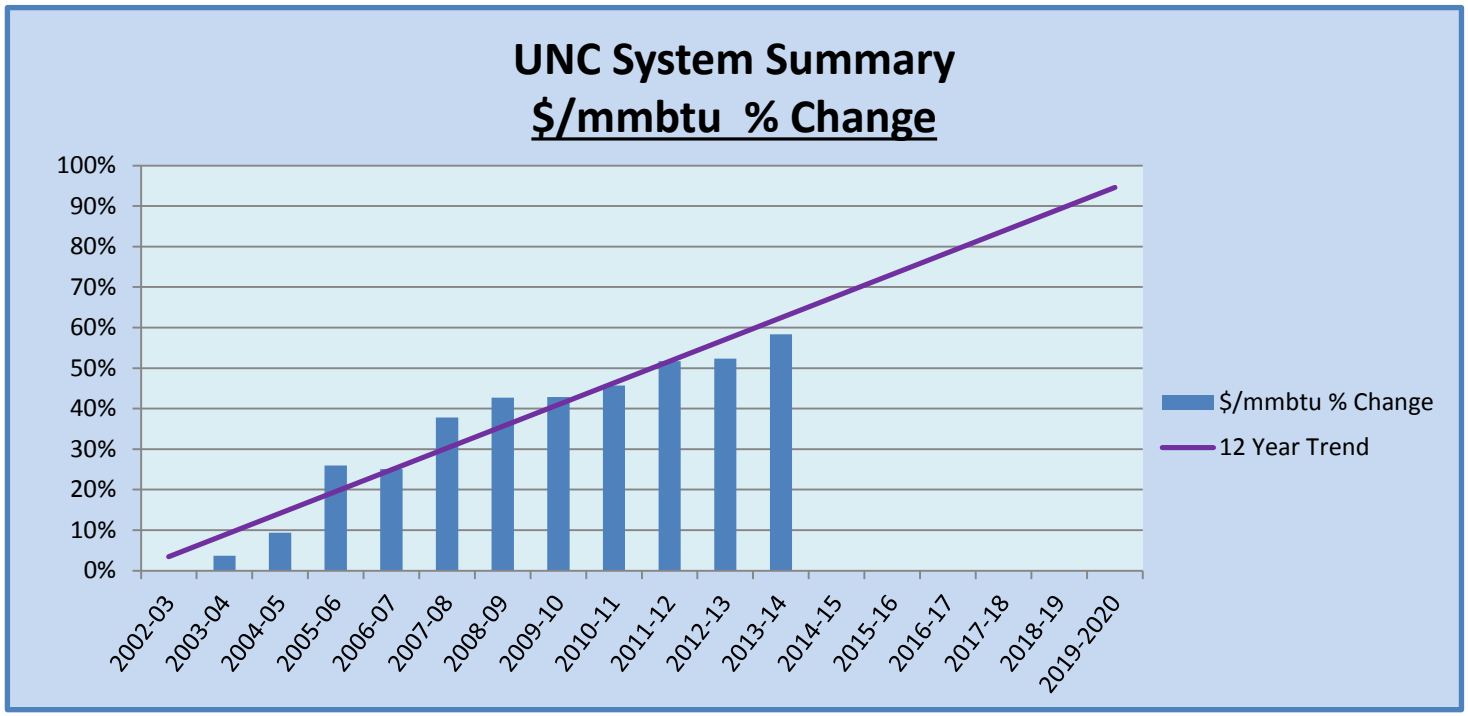
UNC System Energy $/mmbtu

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
$ 12.98	$ 13.45	$ 14.19	$ 16.34	$ 16.23	$ 17.88	$ 18.52	$ 18.54	$ 18.90
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
$ 19.68	$ 19.77	$ 20.54						



UNC System Energy $/mmbtu % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
0%	4%	9%	26%	25%	38%	43%	43%	46%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
52%	52%	58%						

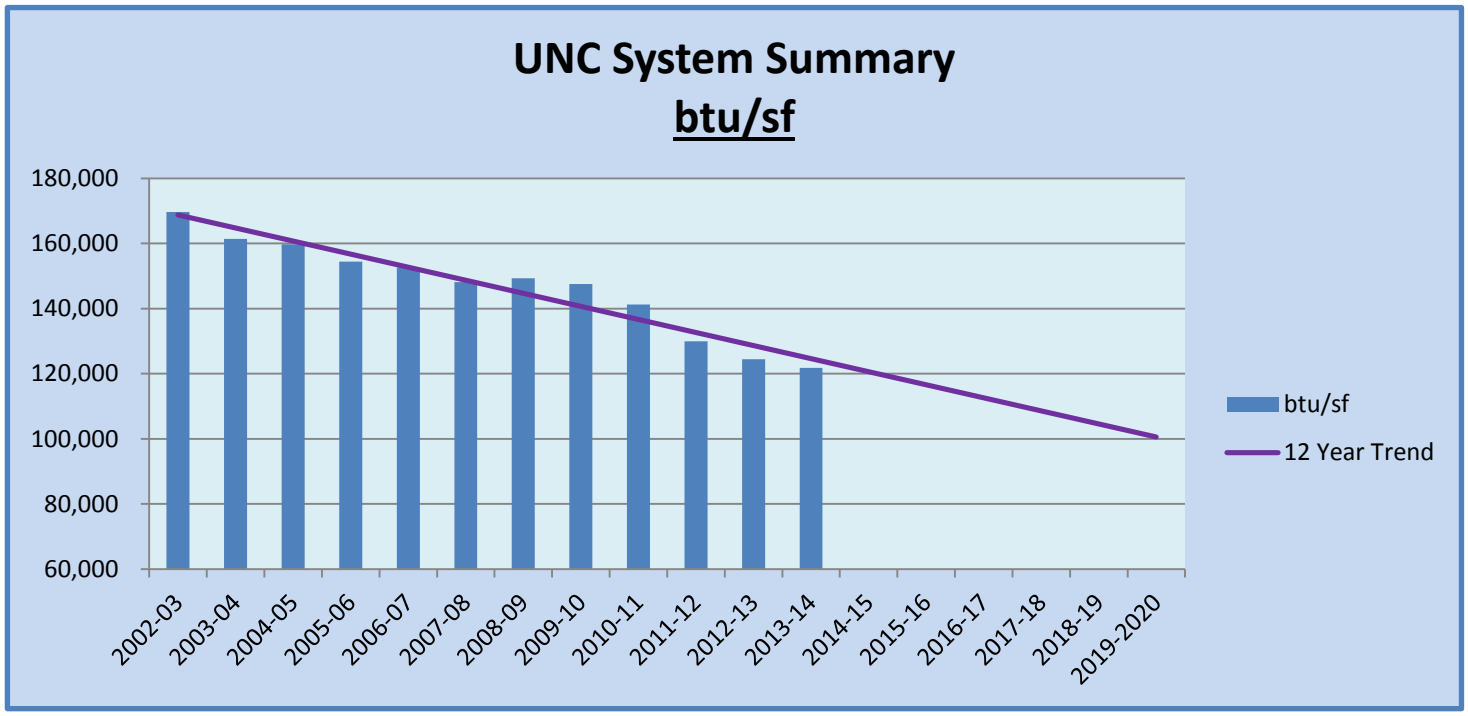


UNC System Summary

12 Year Energy Btu/sf Evaluation 2003-2014 & Trend Through 2020

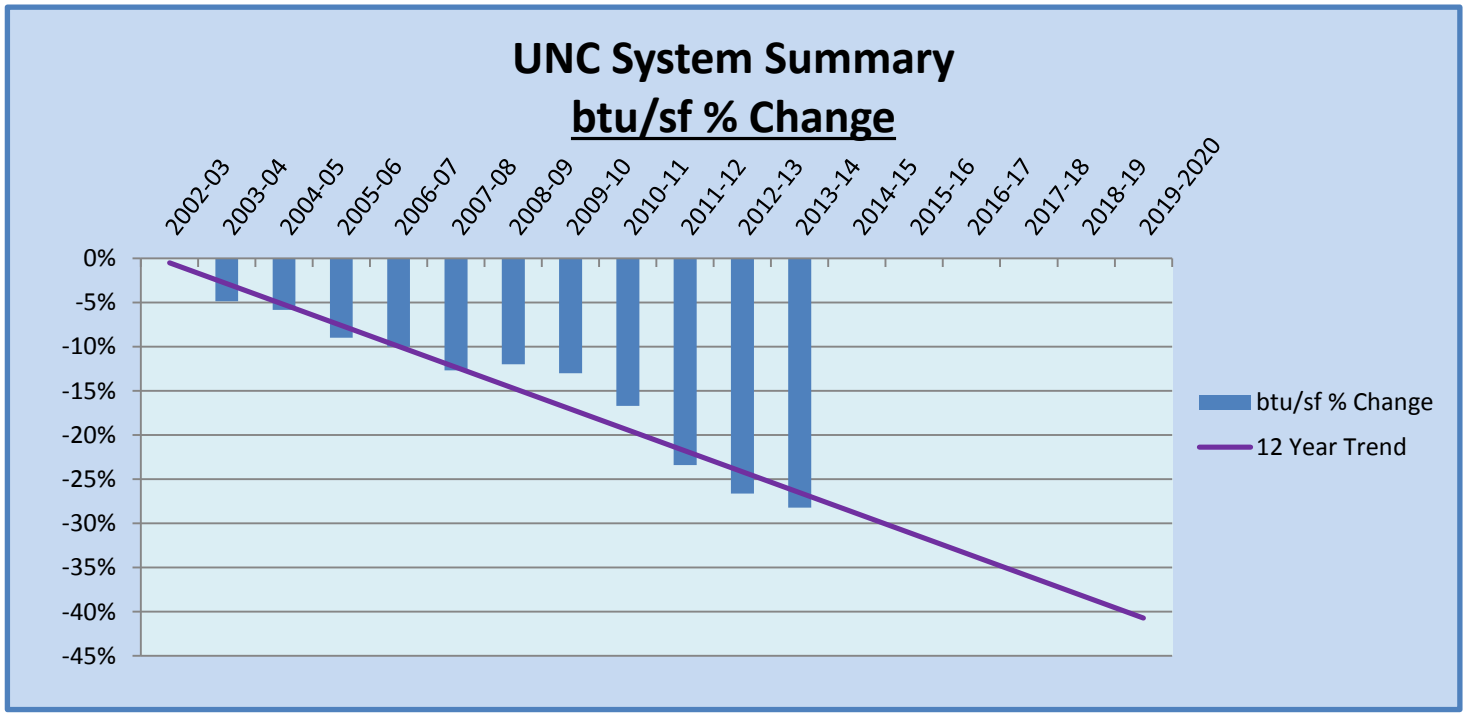
UNC System Energy Btu/sf

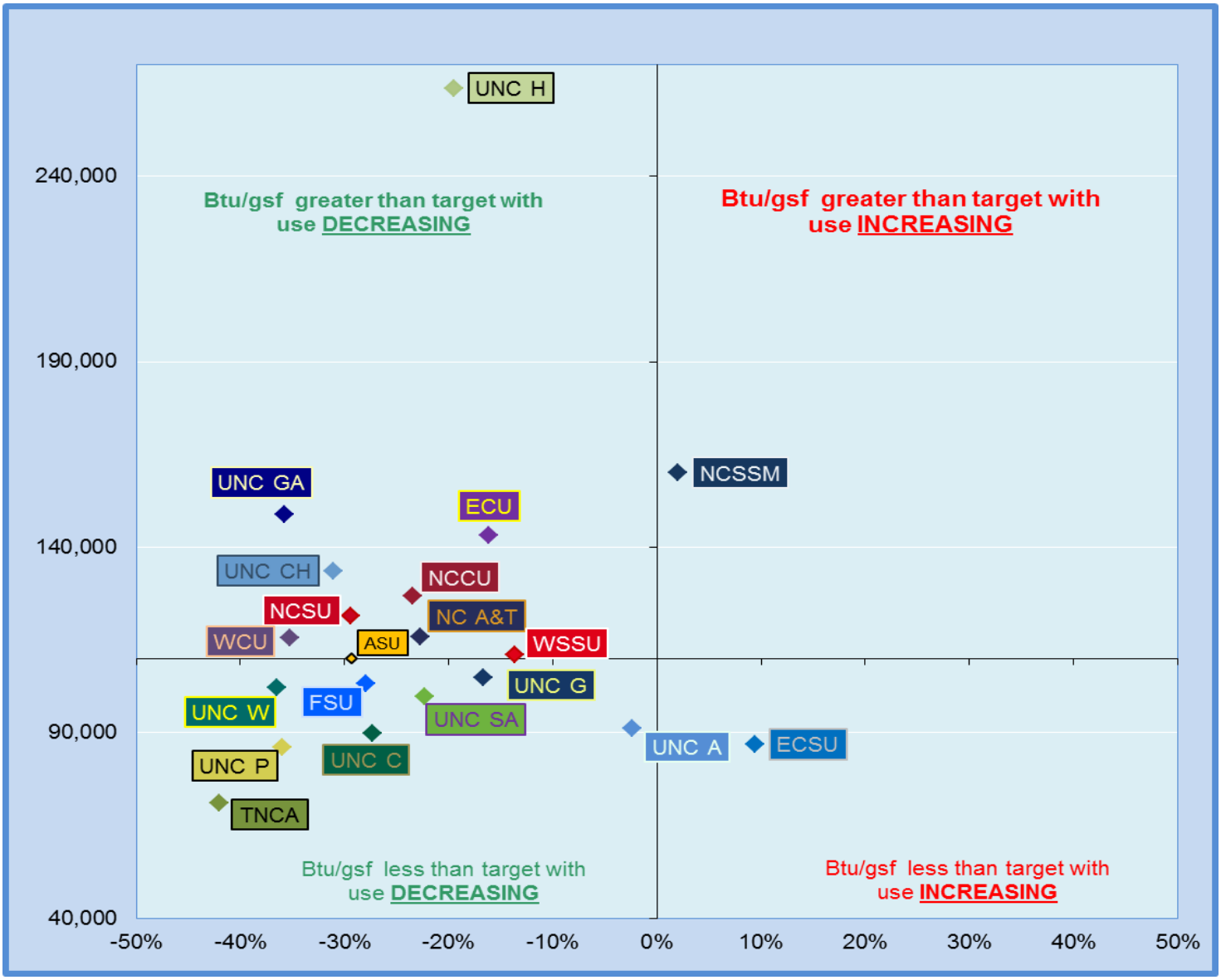
2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
169,641	161,422	159,774	154,418	152,682	148,154	149,276	147,583	141,295
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
129,971	124,448	121,775						



UNC System Energy Btu/sf % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
0%	-5%	-6%	-9%	-10%	-13%	-12%	-13%	-17%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
-23%	-27%	-28%						



UNC System Summary

Btu/gsf and % Reduction