UNC Asheville

Utilities at a Glance

UNC Asheville Utilities

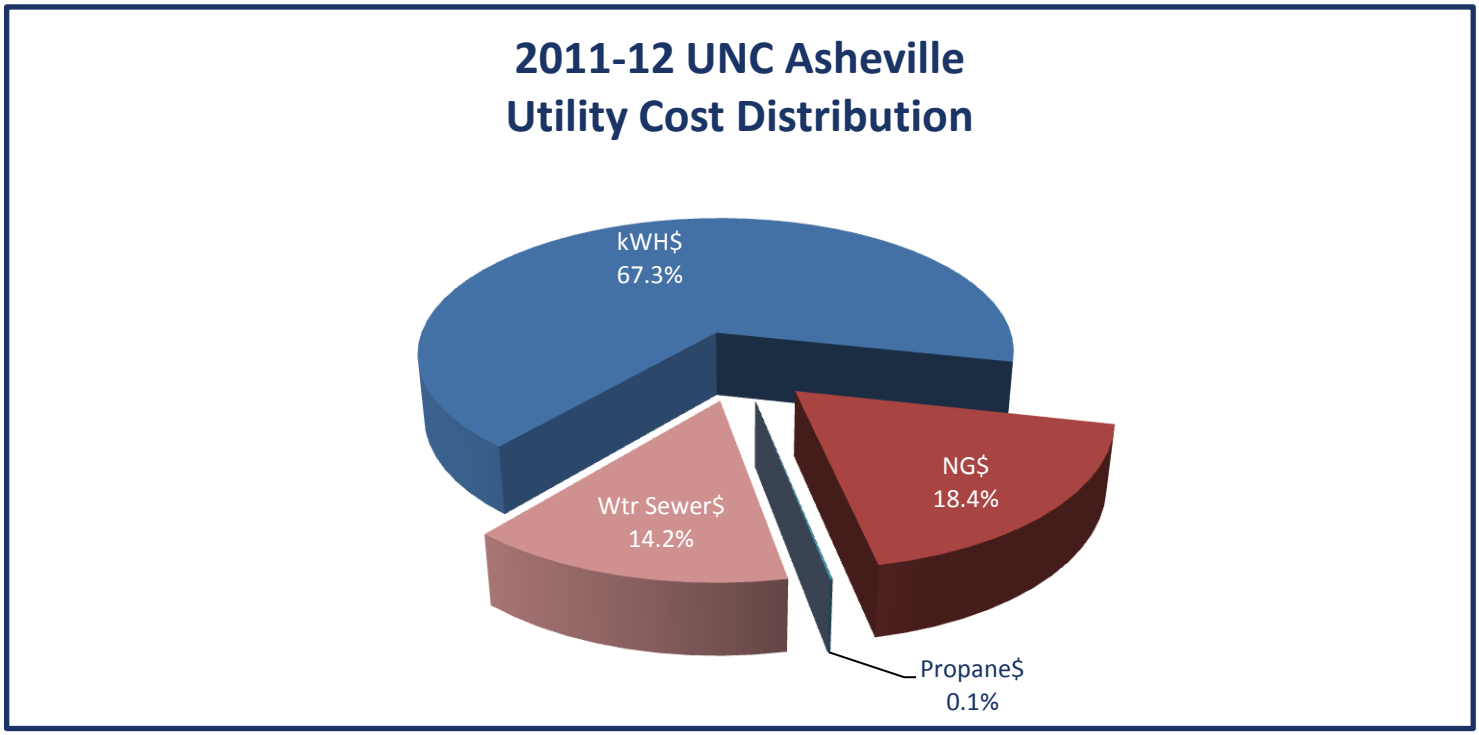
Metric	Basline 2002-2003	Current 2011-2012	% change
Gross square feet	958,716	1,452,681	52%
Btu per square foot per year	93,392	86,465	-7%
Cost per million Btu	$ 13.71	$ 16.52	21%
Total Avoided Cost		$2,119,103.07	
Electric consumption in kWh	14,089,140	20,409,363	45%
Electric Cost	$ 871,495	$ 1,627,606	87%
Natural Gas consumption in Therms	414,647	558,438	35%
Natural Gas Cost	$ 355,931	$ 445,368	25%
#2 Fuel oil gallons	0	0	%
#2 Fuel oil cost	$ -	$ -	%
#6 Fuel oil gallons	0	0	%
#6 Fuel oil cost	$ -	$ -	%
Propane gallons	3,906	1,363	-65%
Propane cost	$ 4,978	$ 2,388	-52%
Steam thousands of pounds	0	0	%
Steam cost	$ -	$ -	%
Chilled Water tons	0	0	%
Chilled Water cost	$ -	$ -	%
Water thousands of gallons	27,295	31,385	15%
Water & Sewer cost	$ 169,923	$ 342,424	102%

UNC Asheville

Year End Utility Comparison

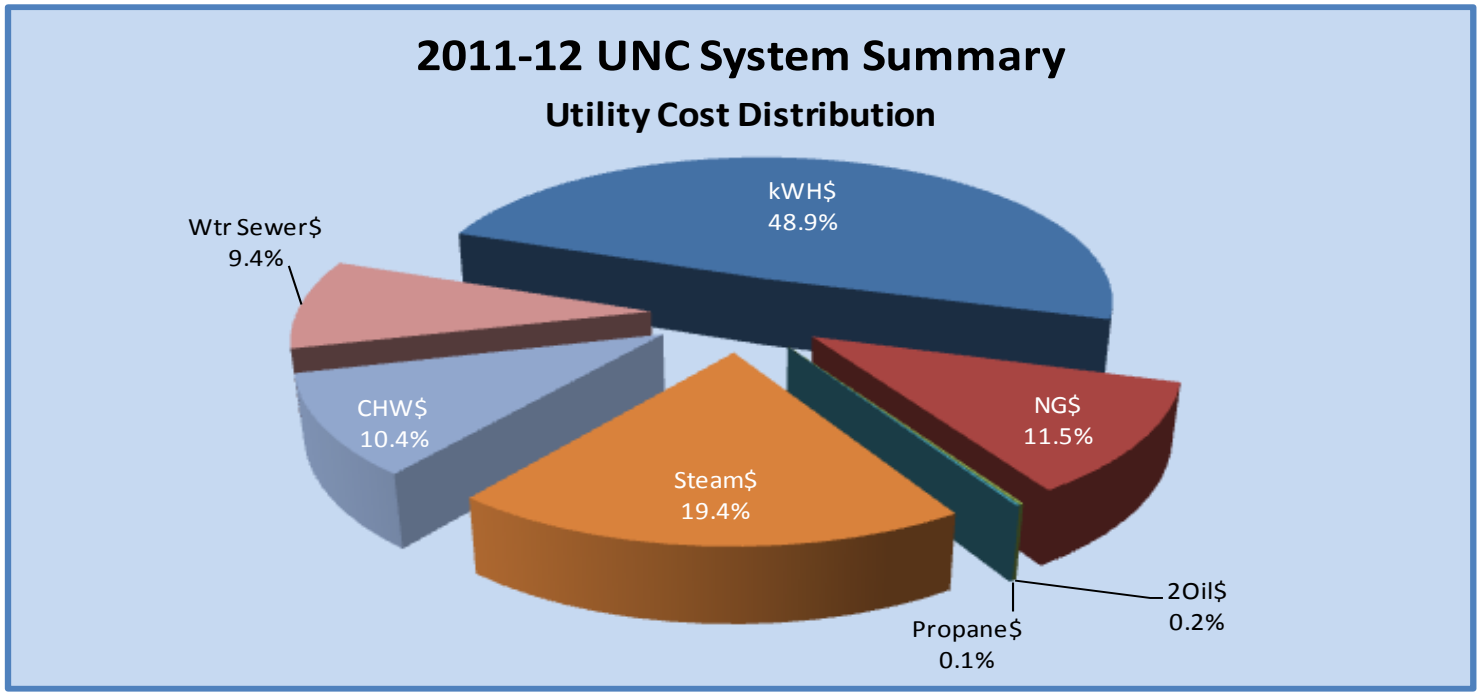
UNC A Utilities Summary 2011-2012

kWH$	NG$	2Oil$	6Oil$	Propane$	Steam$	CHW$	Wtr Sewer$	Total Utility $
$ 1,627,606	$ 445,368	$ -	$ -	$ 2,388	$ -	$ -	$ 342,424	$ 2,417,785



UNC System Utilities Summary 2011-2012

kWH$	NG$	2Oil$	6Oil$	Propane$	Steam$	CHW$	Wtr Sewer$	Total Utility $
$ 100,880,958	$ 23,768,828	$ 310,240		$ 288,450	$ 40,097,298	$ 21,506,927	$ 19,382,528	$ 206,235,229

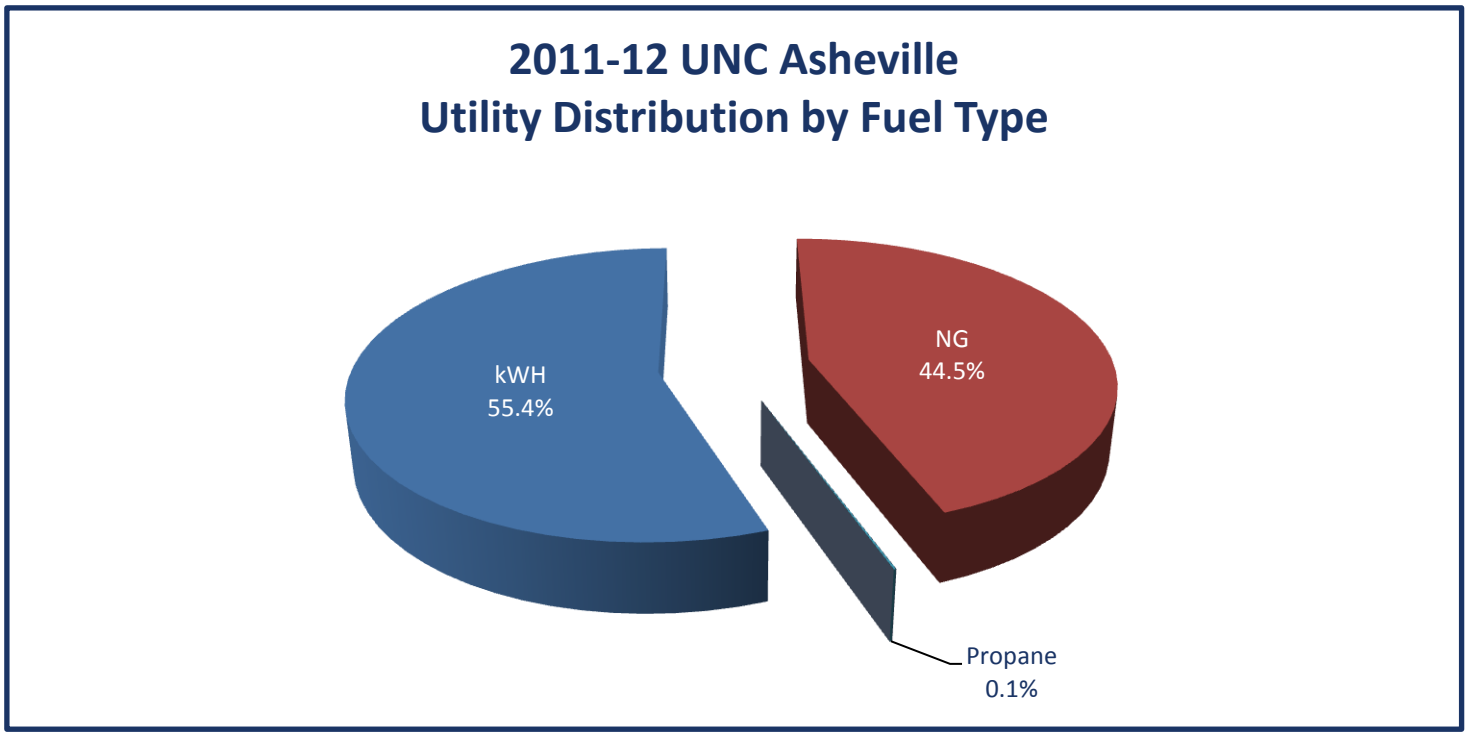


UNC Asheville

Year End Btu by Fuel Type for 2011-2012

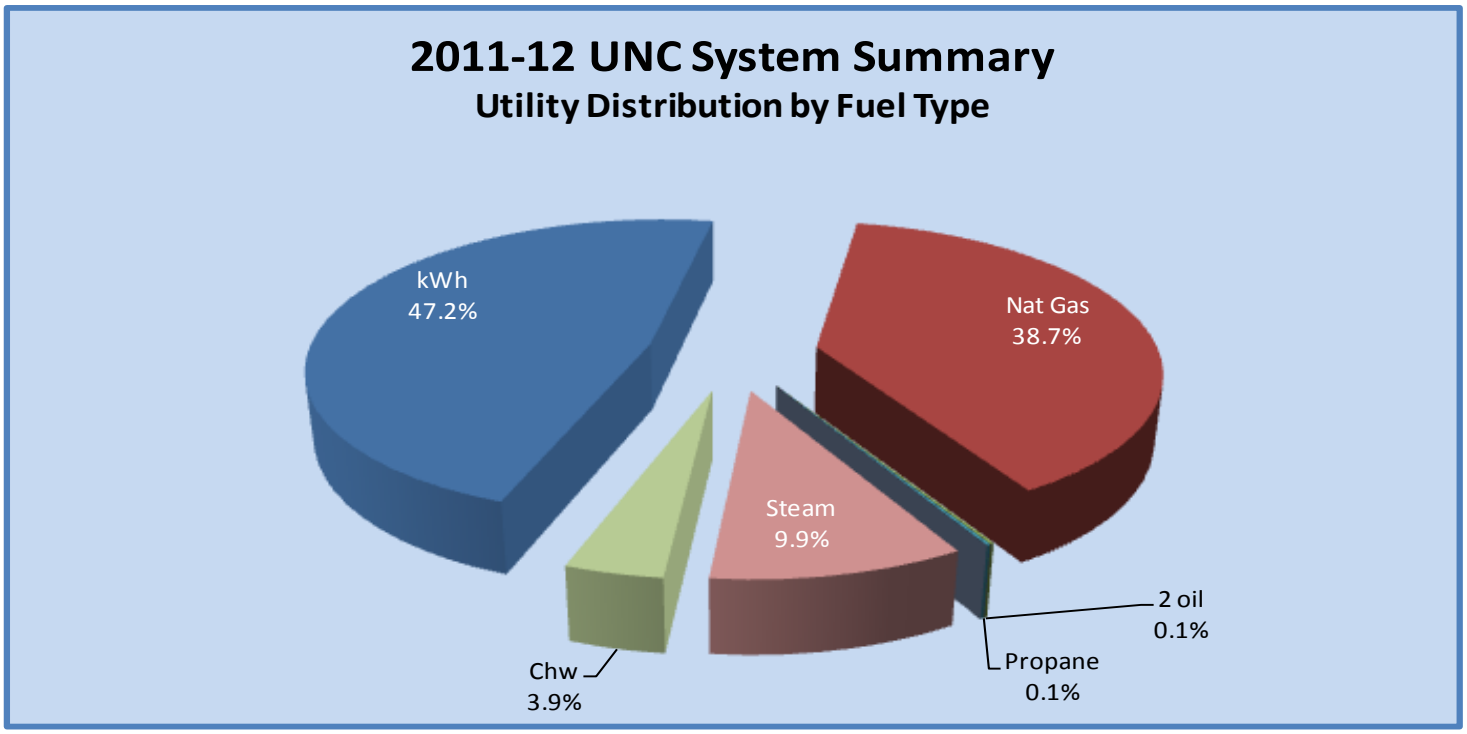
UNC A Btu by Fuel Type 2011-2012

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
69,636,746,556	55,843,800,000	0	0	124,879,565	0	0	125,605,426,121



UNC System Btu by Fuel Type 2011-2012

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
4,618,961,326,972	3,784,820,700,000	12,792,076,660		14,094,179,328	968,012,814,000	377,290,300,344	9,775,971,397,304

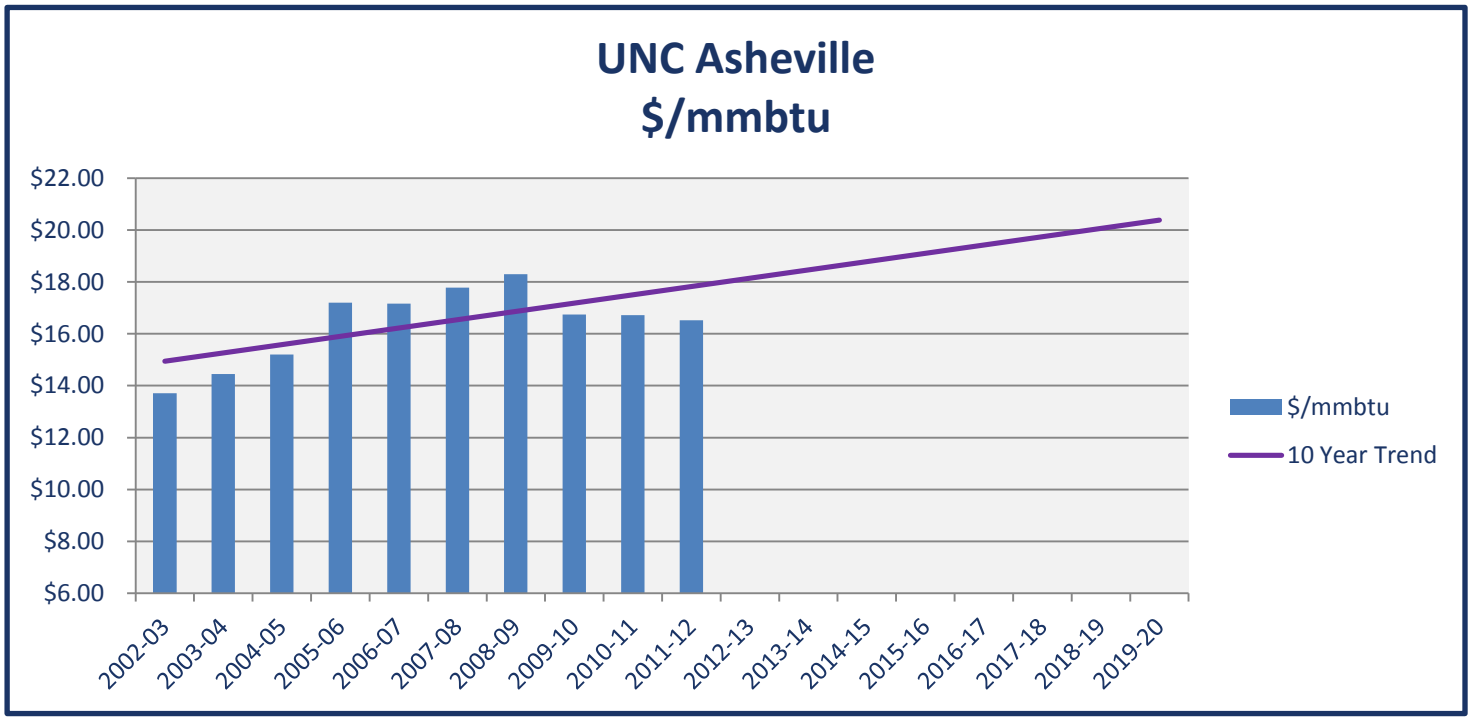


UNC Asheville

10 Year Energy $/mmbtu Evaluation 2003-2012 & Trend Through 2020

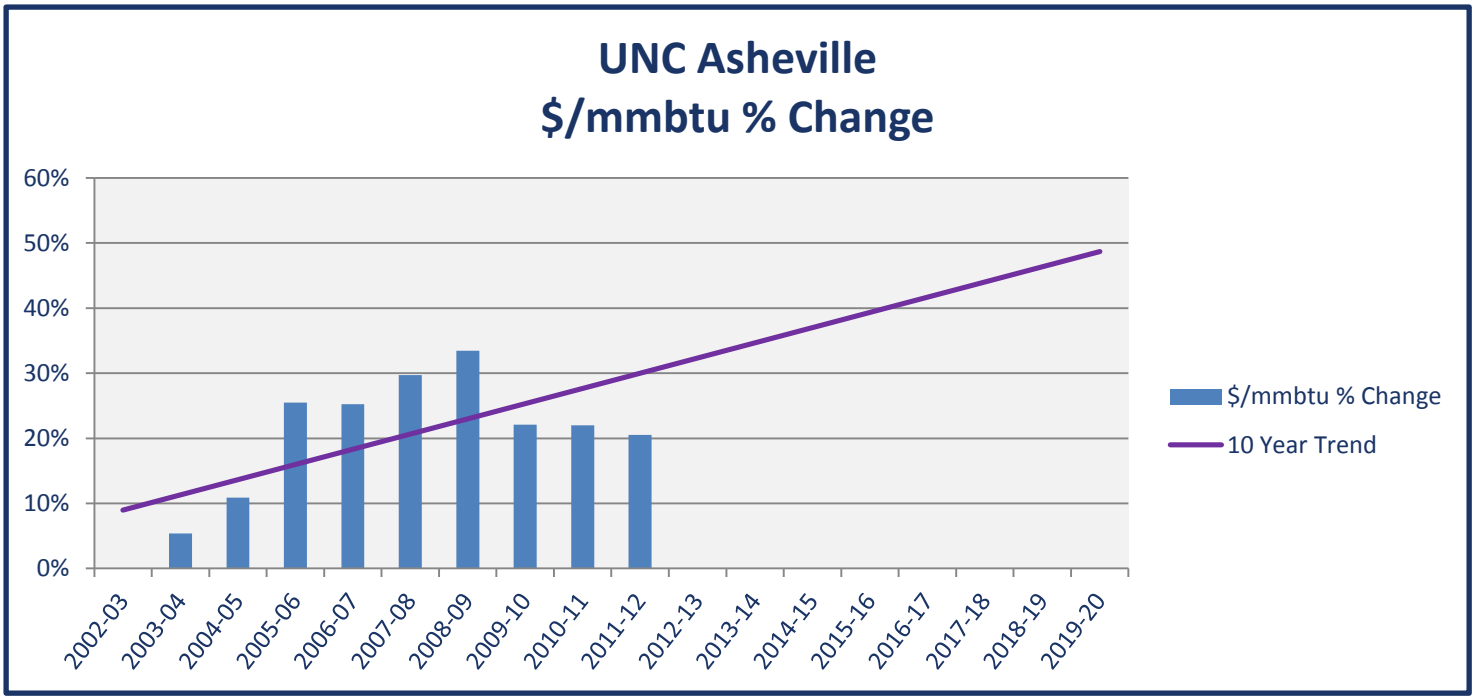
UNC A Energy $/mmbtu

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								



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%								

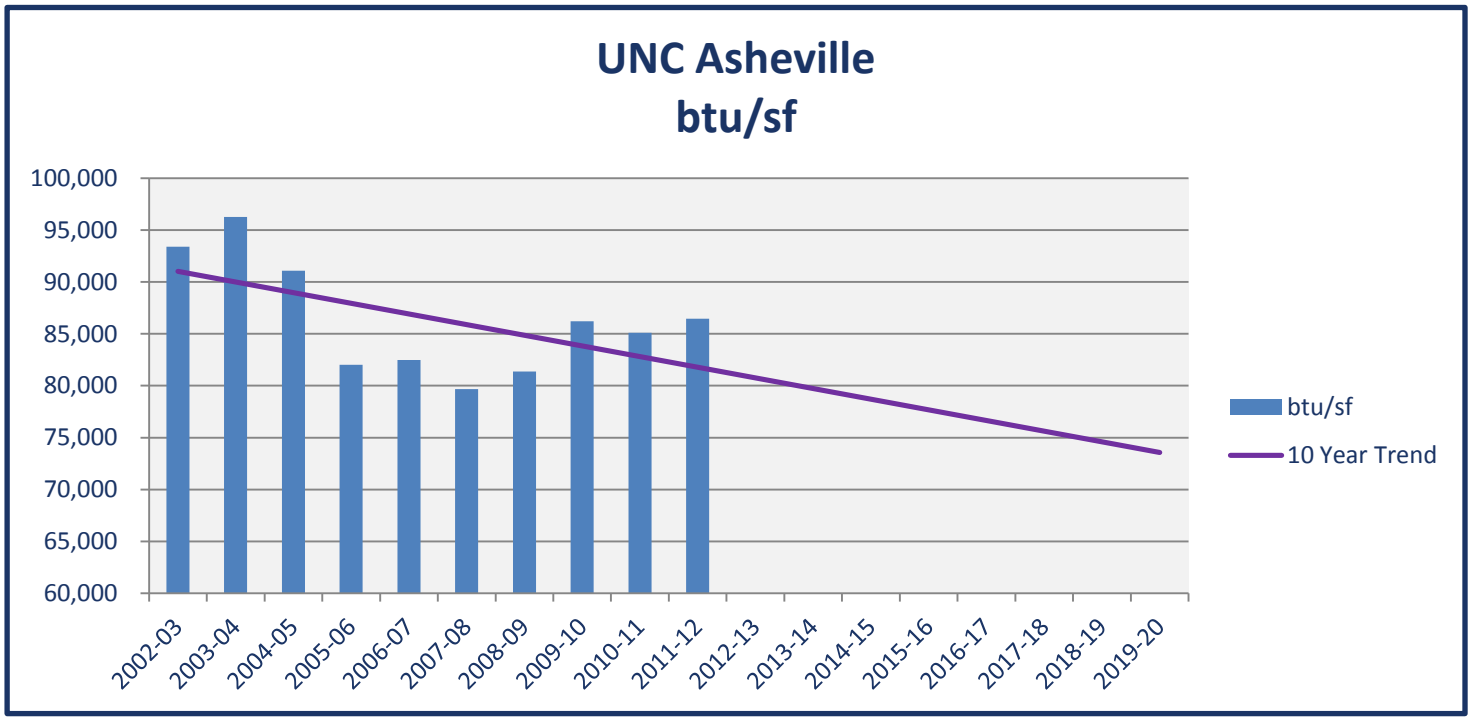


UNC Asheville

10 Year Energy btu/sf Evaluation 2003-2012 & Trend Through 2020

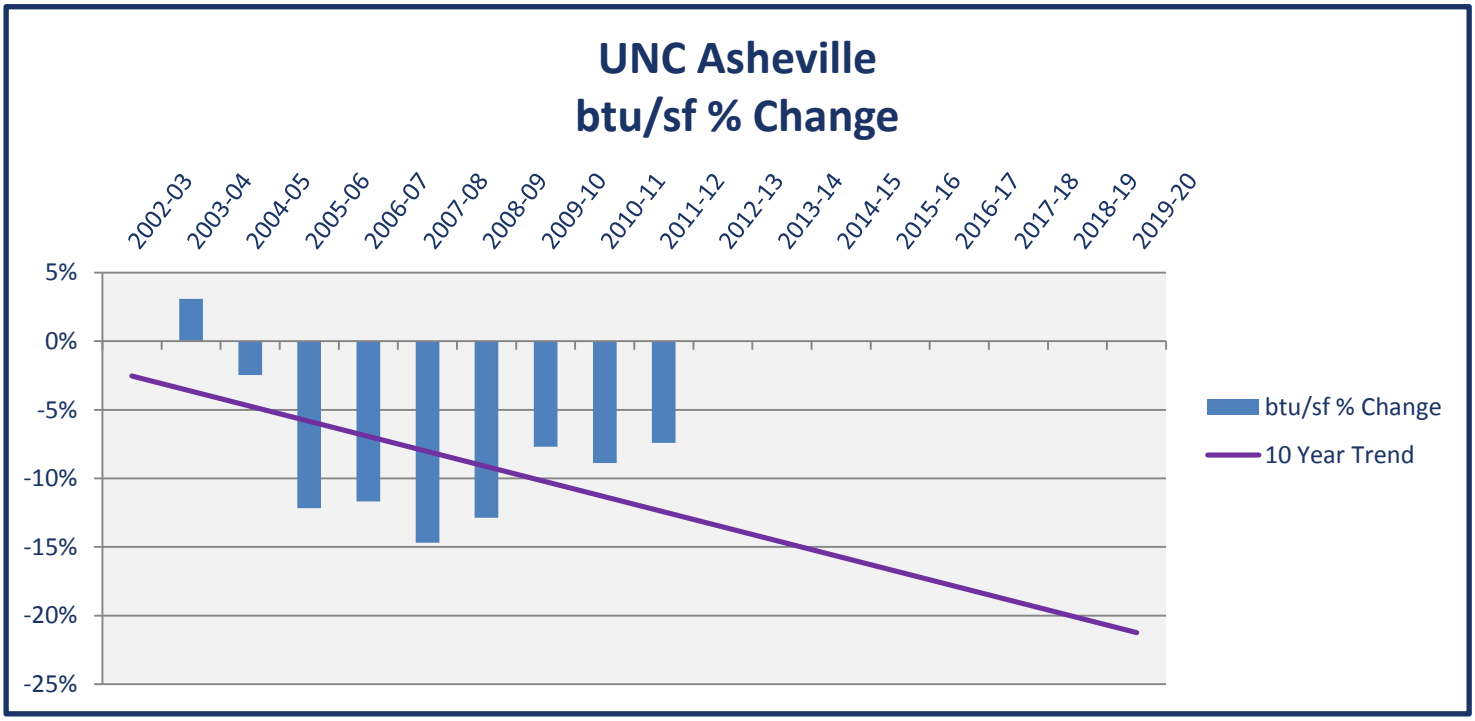
UNC A Energy btu/sf

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								



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%								

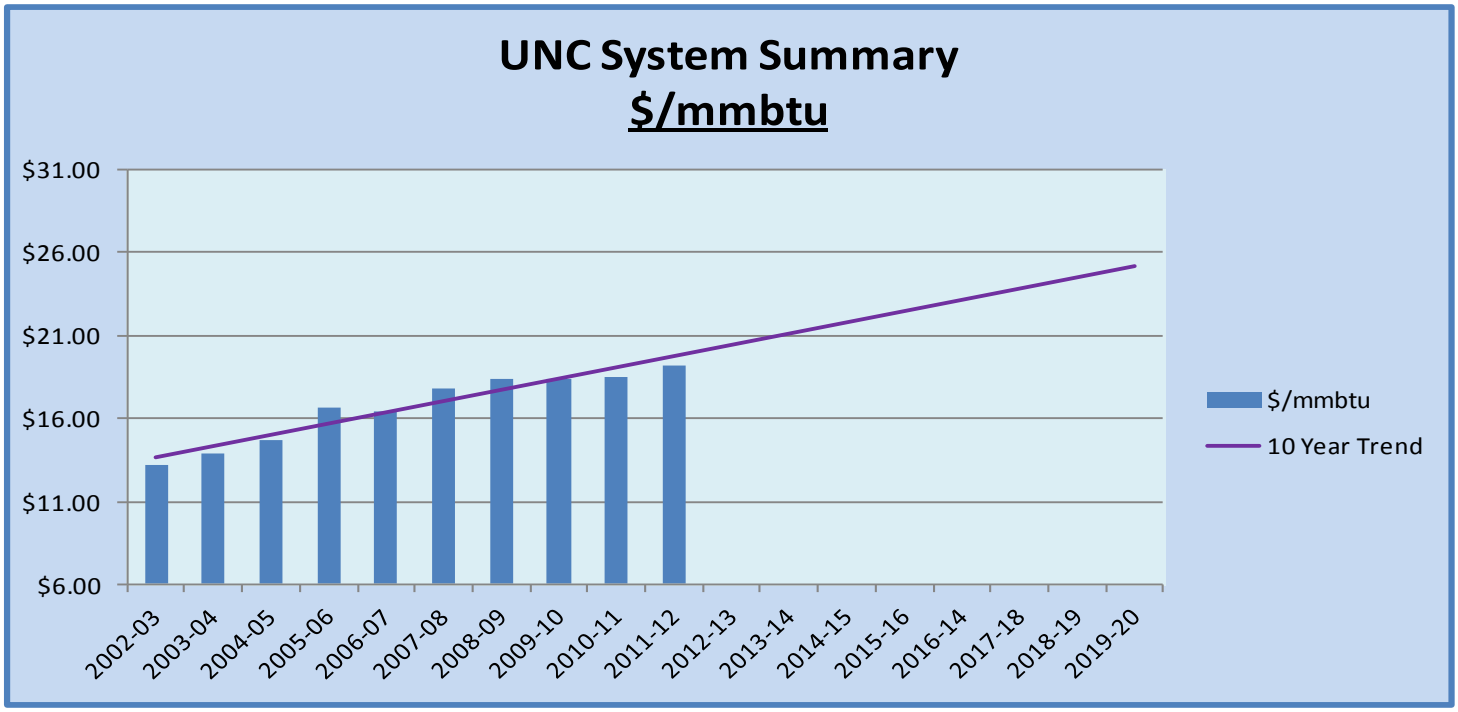


UNC System Summary

10 Year Energy $/mmbtu Evaluation 2003-2012 & Trend Through 2020

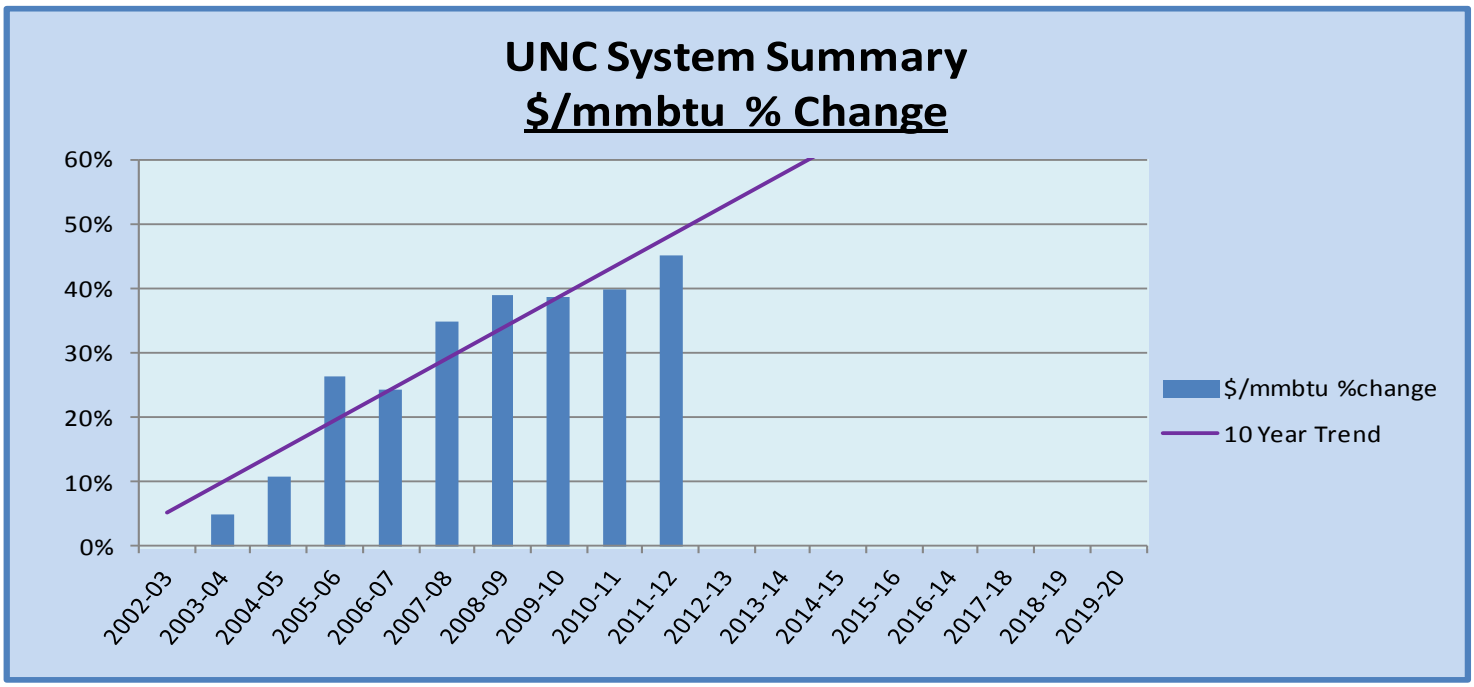
UNC System Energy $/mmbtu

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
$ 13.22	$ 13.86	$ 14.67	$ 16.69	$ 16.43	$ 17.85	$ 18.37	$ 18.36	$ 18.49
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
$ 19.19								



UNC System Energy $/mmbtu % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
0%	5%	11%	26%	24%	35%	39%	39%	40%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
45%								

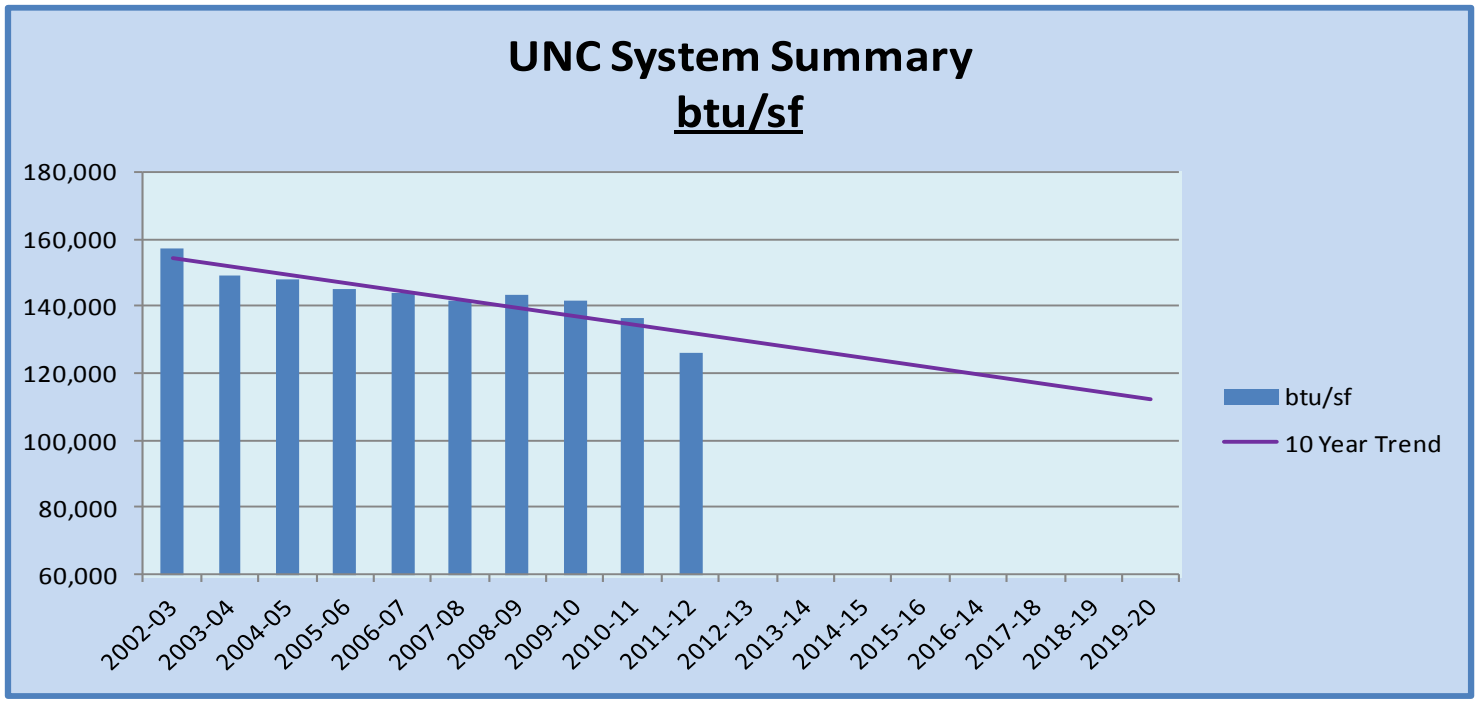


UNC System Summary

10 Year Energy Btu/sf Evaluation 2003-2012 & Trend Through 2020

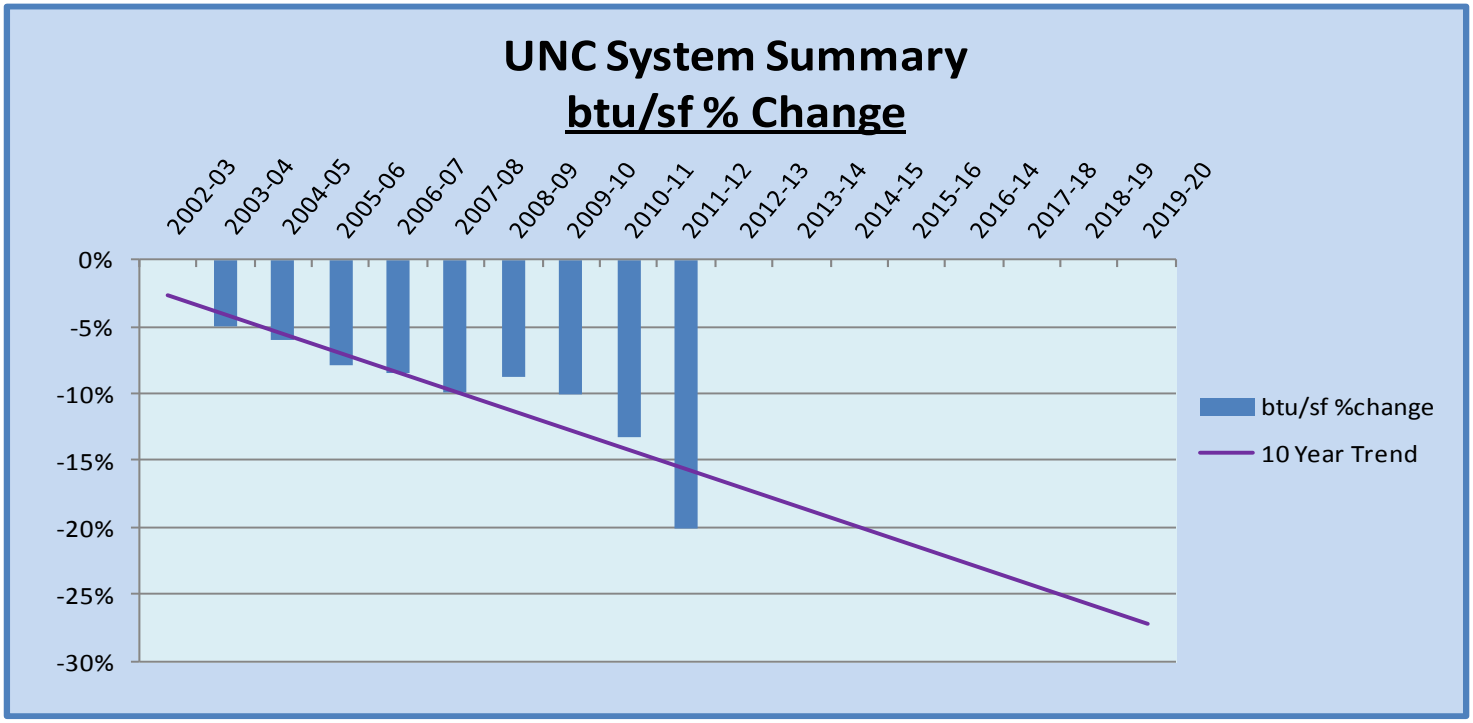
UNC System Energy Btu/sf

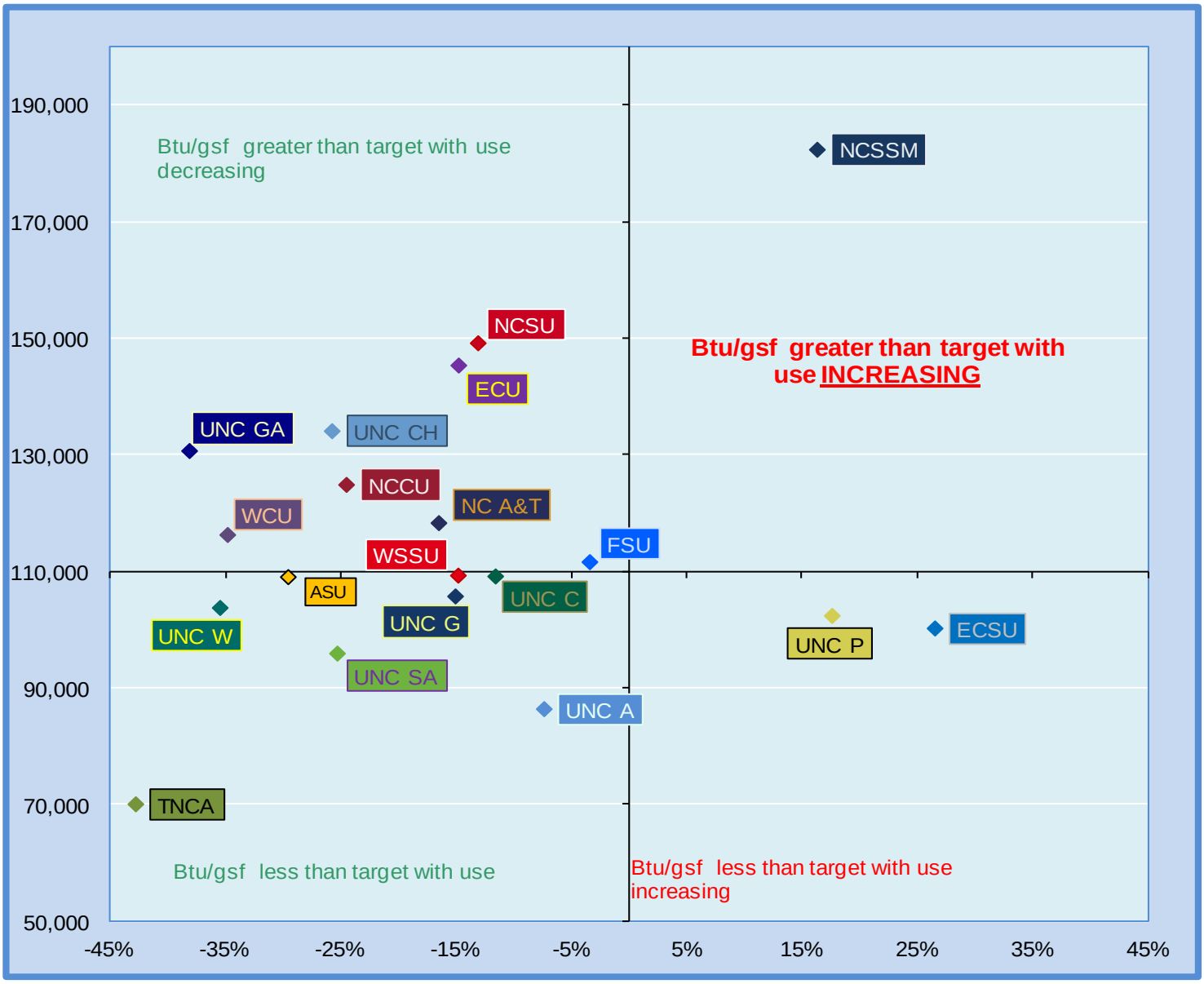
2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
157,302	149,399	147,782	144,975	144,054	141,779	143,423	141,569	136,362
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
125,791								



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%	-8%	-8%	-10%	-9%	-10%	-13%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
-20%								



UNC System Summary

Btu/gsf and % Reduction