UNC School of the Arts

Utilities at a Glance

UNC School of the Arts Utilities

Metric	Basline 2005-2006	Current 2013-2014	% change
Gross square feet	952,641	1,008,084	6%
Btu per square foot per year	128,586	99,858	-22%
Cost per million Btu	$ 14.85	$ 17.71	19%
Total Avoided Cost		$2,254,187.46	
Electric consumption in kWh	19,278,086	17,261,632	-10%
Electric Cost	$ 1,072,102	$ 1,237,659	15%
Natural Gas consumption in Therms	566,683	410,827	-28%
Natural Gas Cost	$ 745,661	$ 526,270	-29%
#2 Fuel oil gallons	372	4,944	1229%
#2 Fuel oil cost	$ 744	$ 18,844	2433%
#6 Fuel oil gallons	0	0	%
#6 Fuel oil cost	$ -	$ -	%
Propane gallons	0	0	%
Propane cost	$ -	$ -	%
Steam thousands of pounds	0	0	%
Steam cost	$ -	$ -	%
Chilled Water tons	0	0	%
Chilled Water cost	$ -	$ -	%
Water thousands of gallons	18,187	21,873	20%
Water & Sewer cost	$ 76,164	$ 115,926	52%

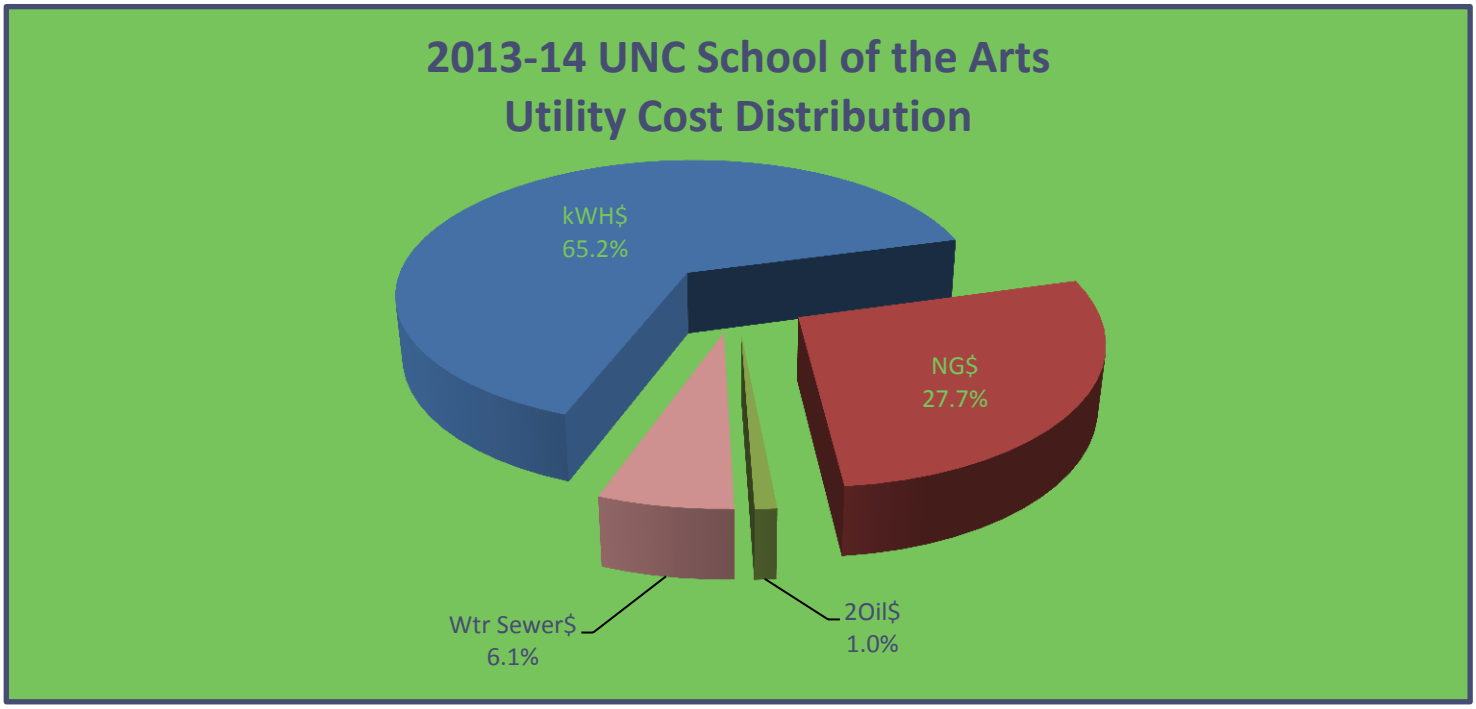
UNC School of the Arts

Year End Utility Comparison

UNCSA

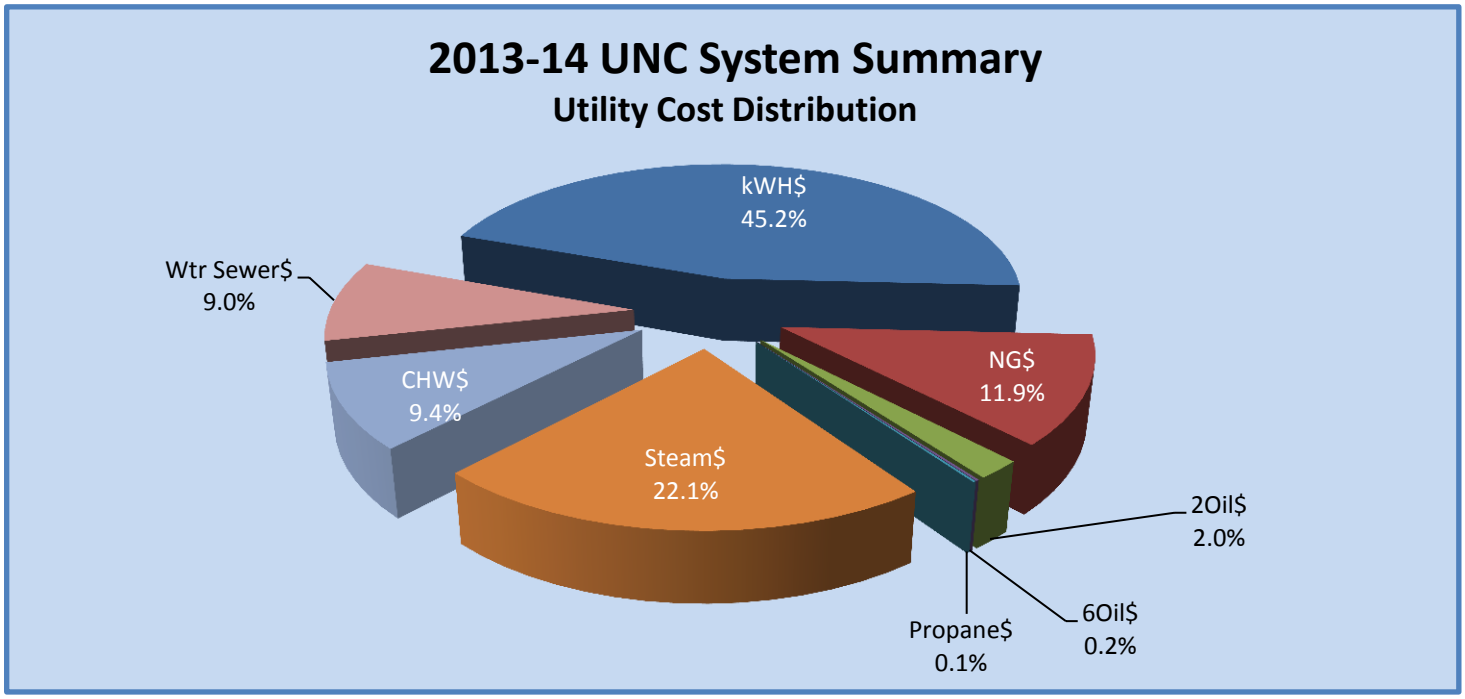
UNC School of the Arts Utilities Summary 2013-2014

kWH$	NG$	2Oil$	6Oil$	Propane$	Steam$	CHW$	Wtr Sewer$	Total Utility $
$ 1,237,659	$ 526,270	$ 18,844					$ 115,926	$ 1,898,699



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



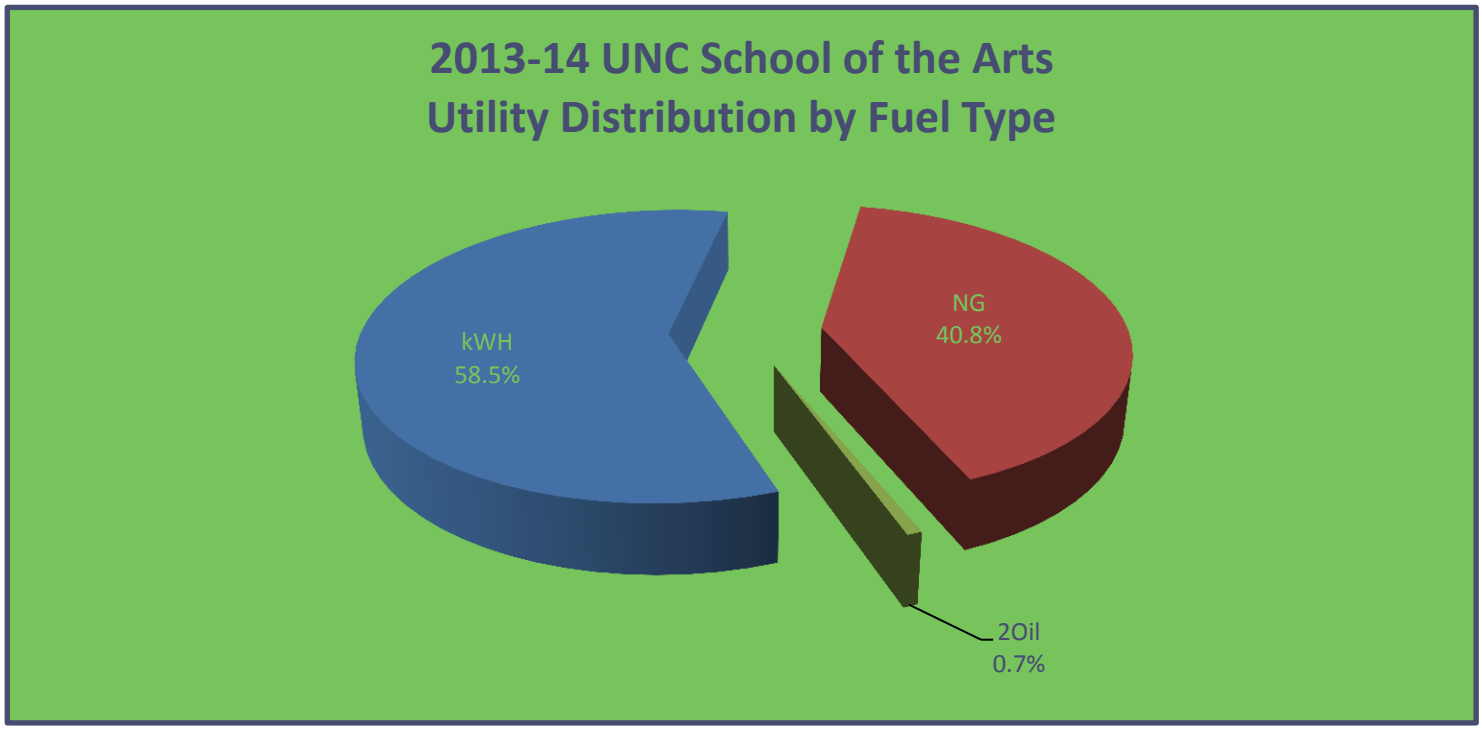
UNC School of the Arts

Year End Btu by Fuel Type for 2013-2014

UNCSA

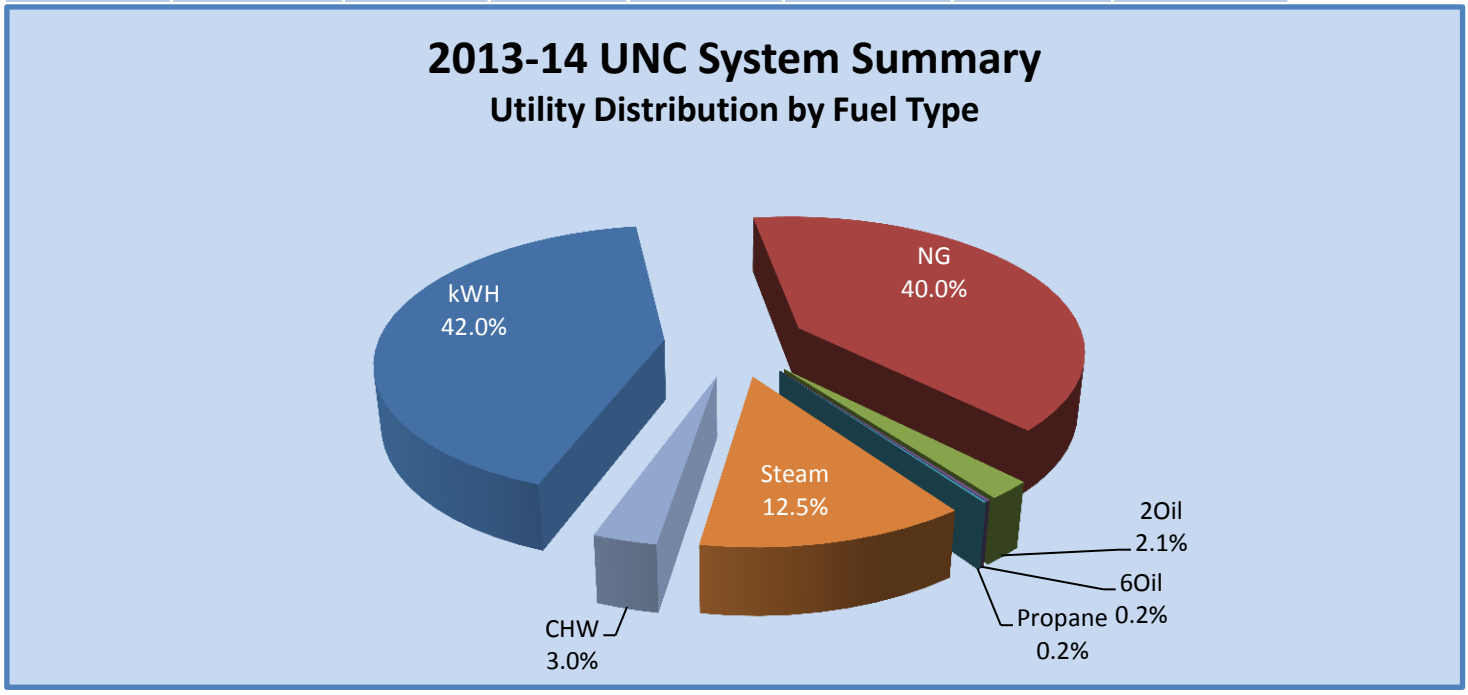
UNC School of the Arts Btu by Fuel Type 2013-2014

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
58,896,688,384	41,082,700,000	685,685,832					100,665,074,216



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



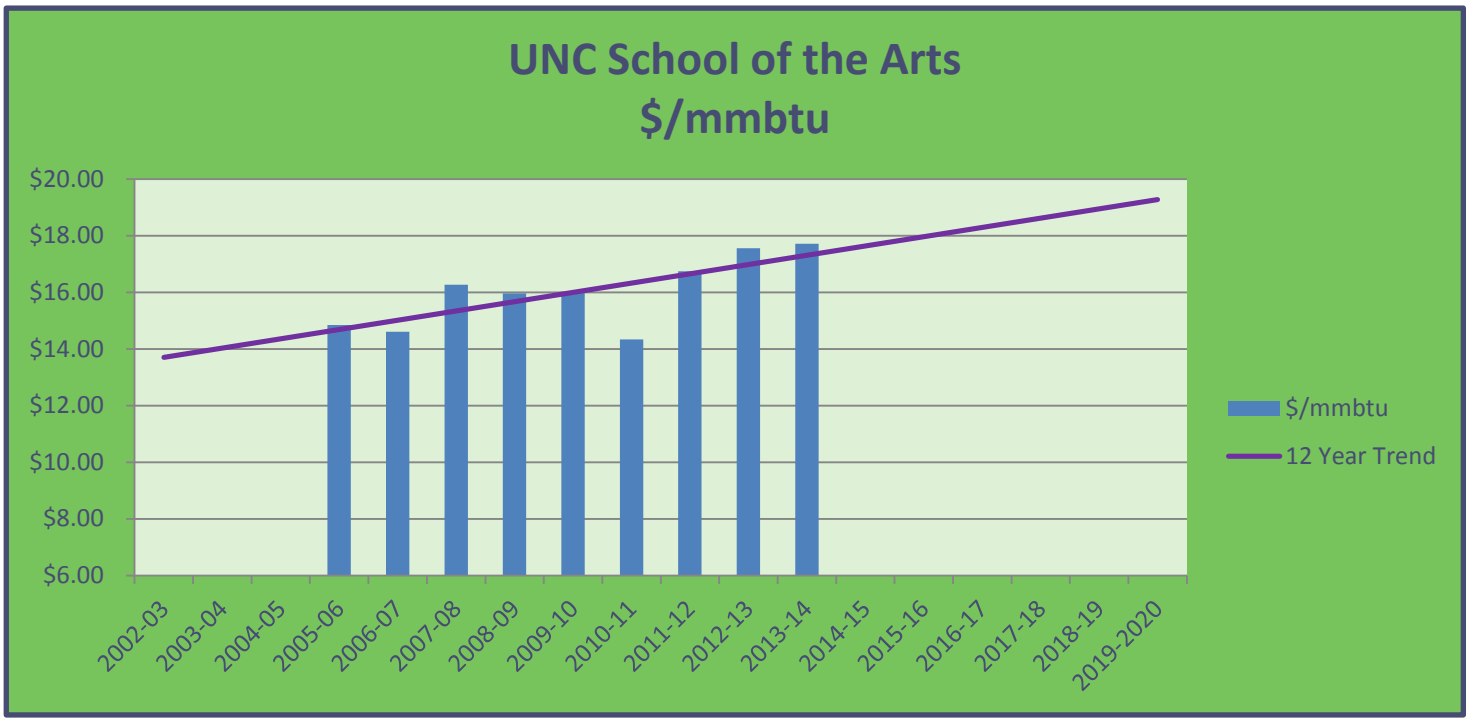
UNC School of the Arts

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

UNCSA

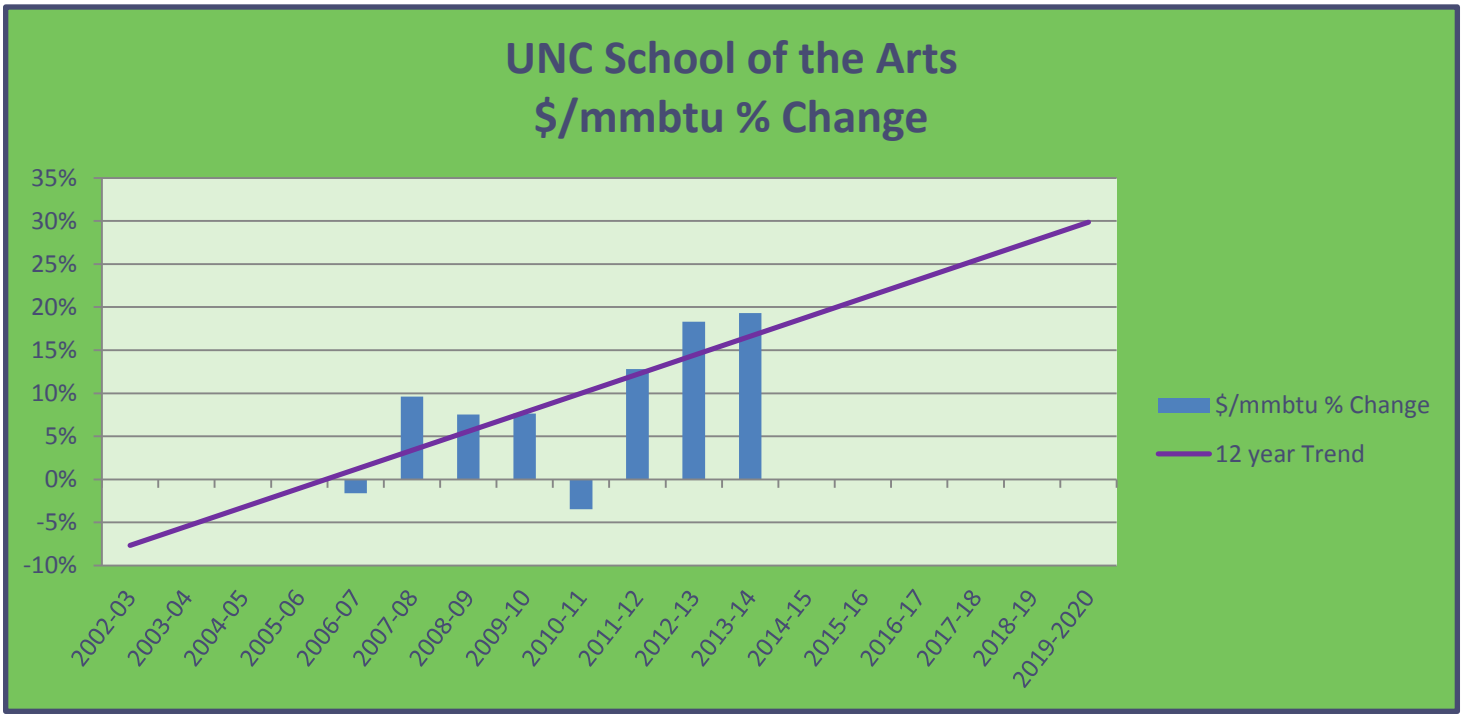
UNC School of the Arts Energy $/mmbtu

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
			$ 14.85	$ 14.61	$ 16.27	$ 15.96	$ 15.98	$ 14.33
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
$ 16.75	$ 17.56	$ 17.71						



UNC School of the Arts Energy $/mmbtu % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
			0%	-2%	10%	8%	8%	-3%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
13%	18%	19%						



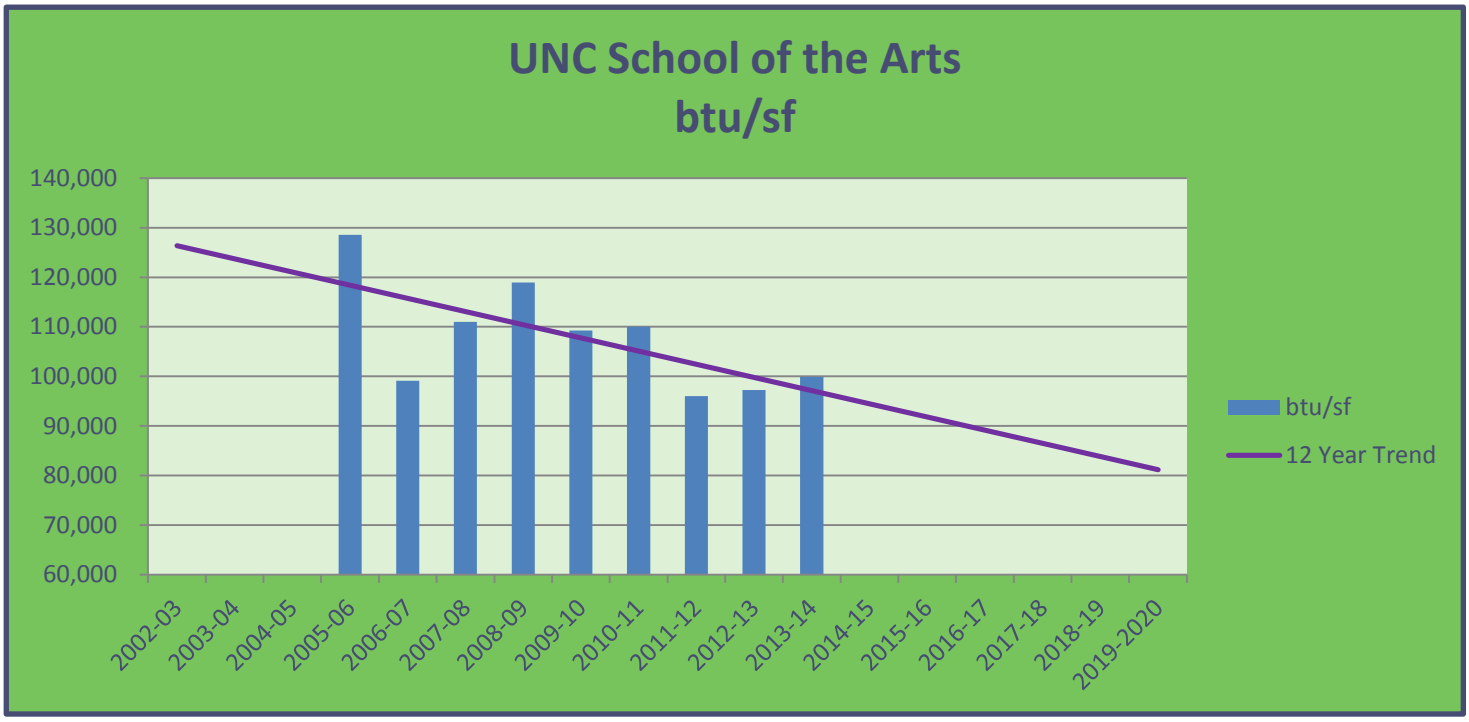
UNC School of the Arts

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

UNCSA

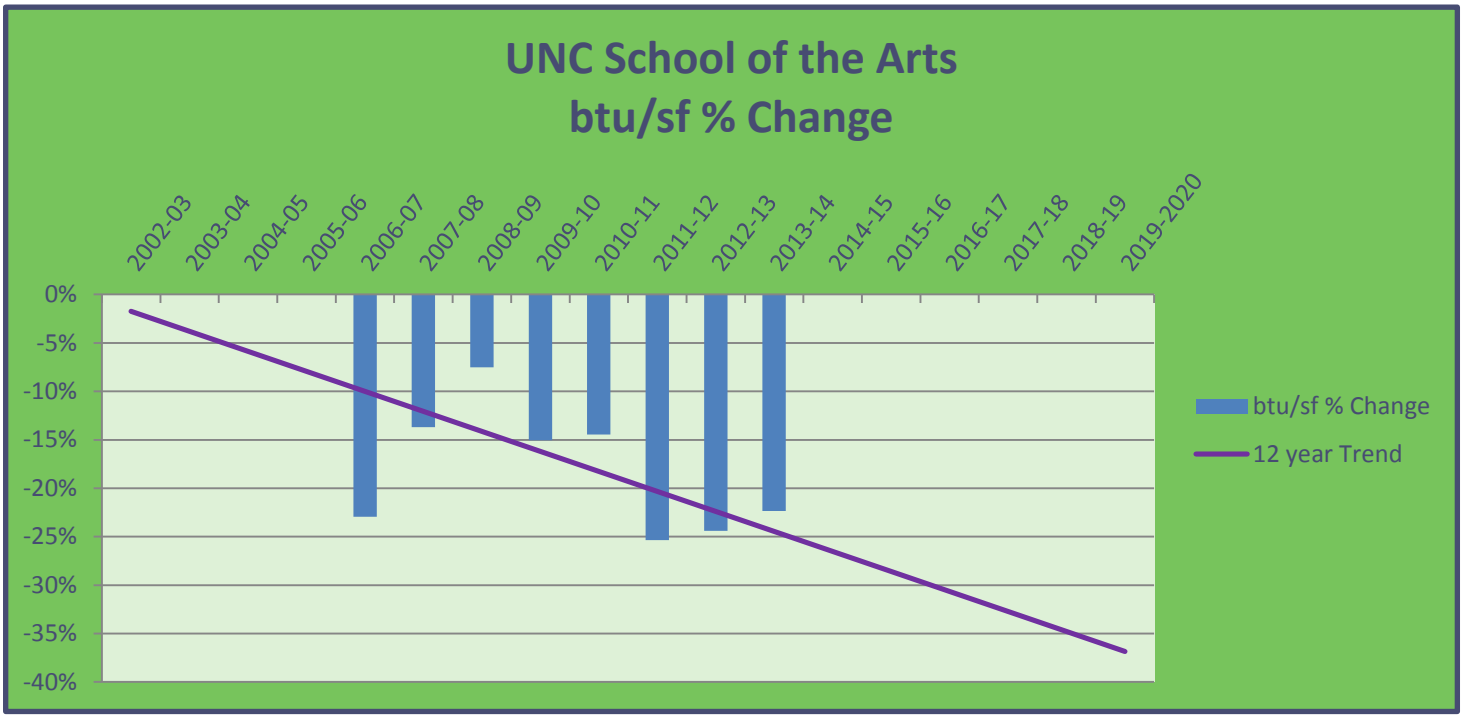
UNC School of the Arts Energy btu/sf

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
			128,586	99,089	110,986	118,907	109,239	109,999
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
95,989	97,216	99,858						



UNC School of the Arts Energy btu/sf % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
			0%	-23%	-14%	-8%	-15%	-14%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
-25%	-24%	-22%						

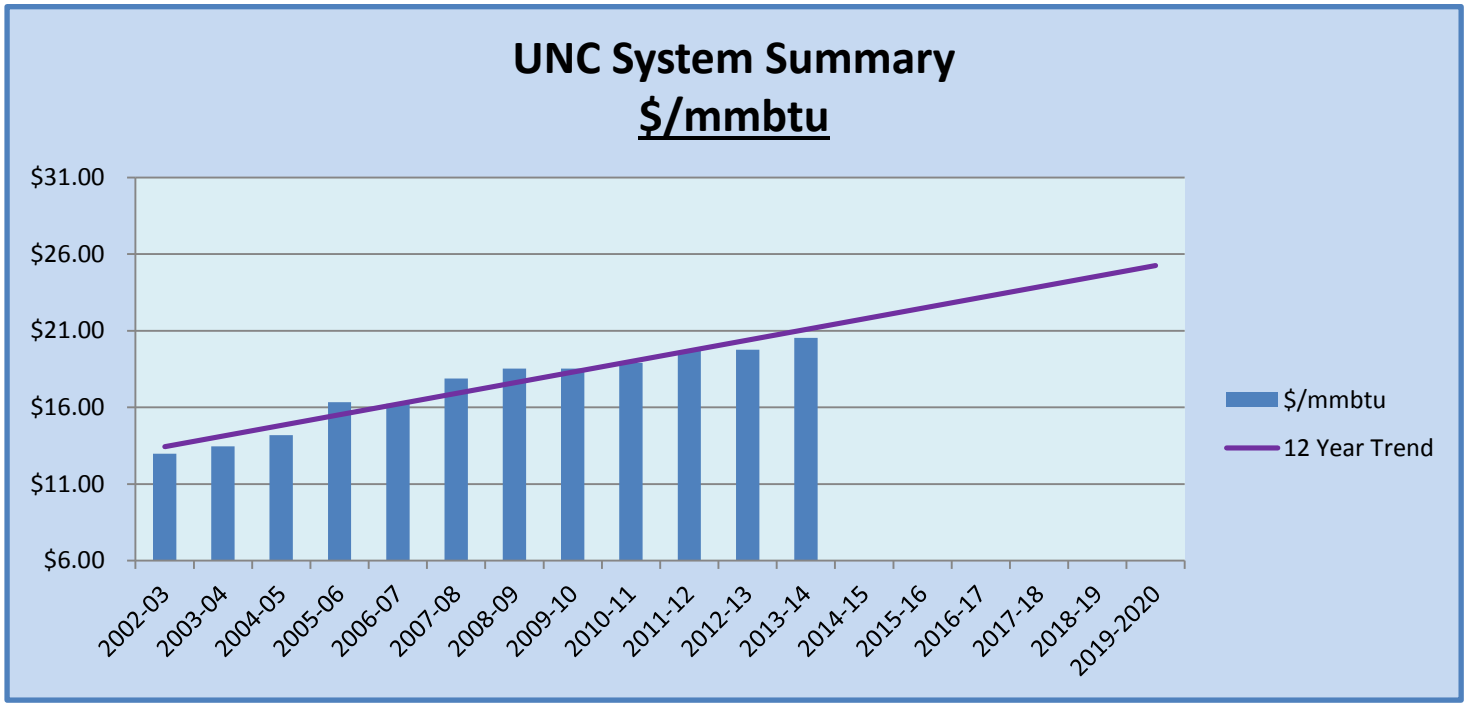


UNC System Summary

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

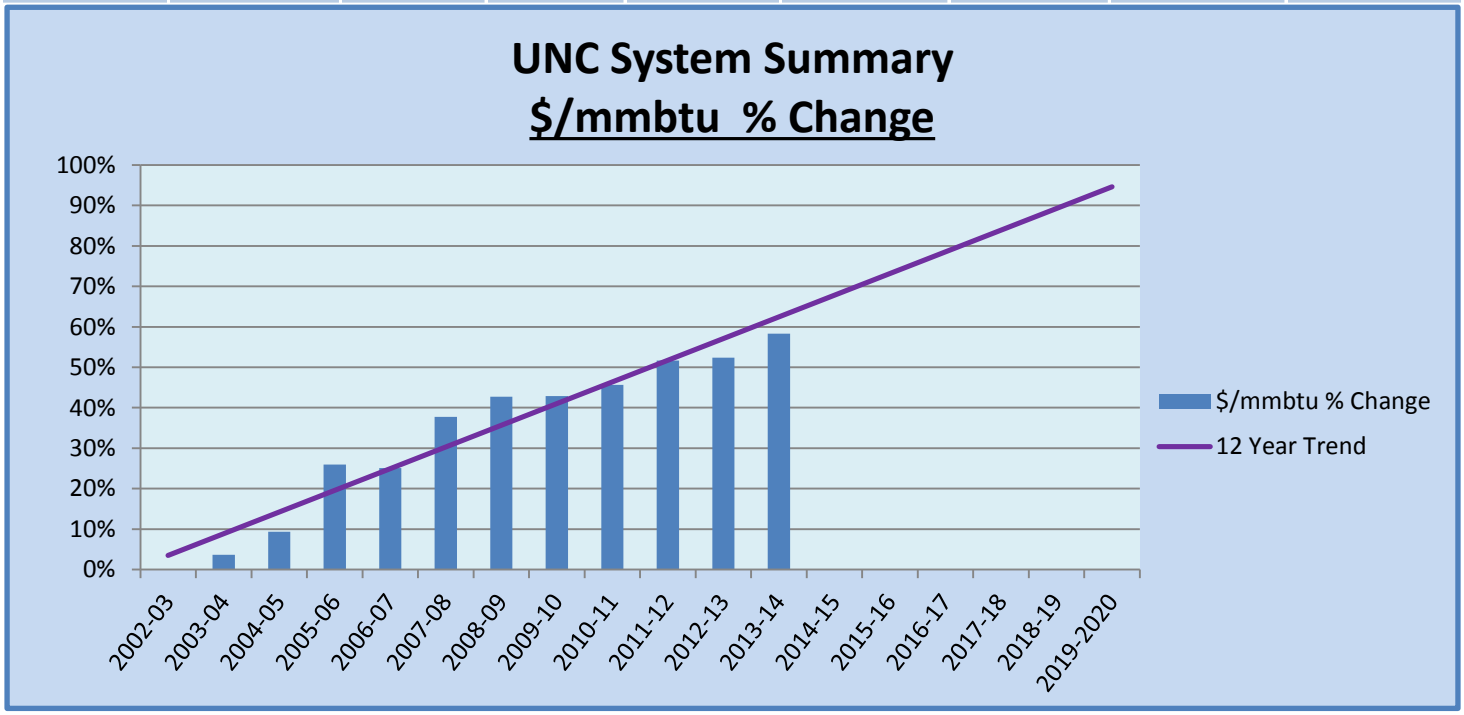
UNC System Energy $/mmbtu

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
#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
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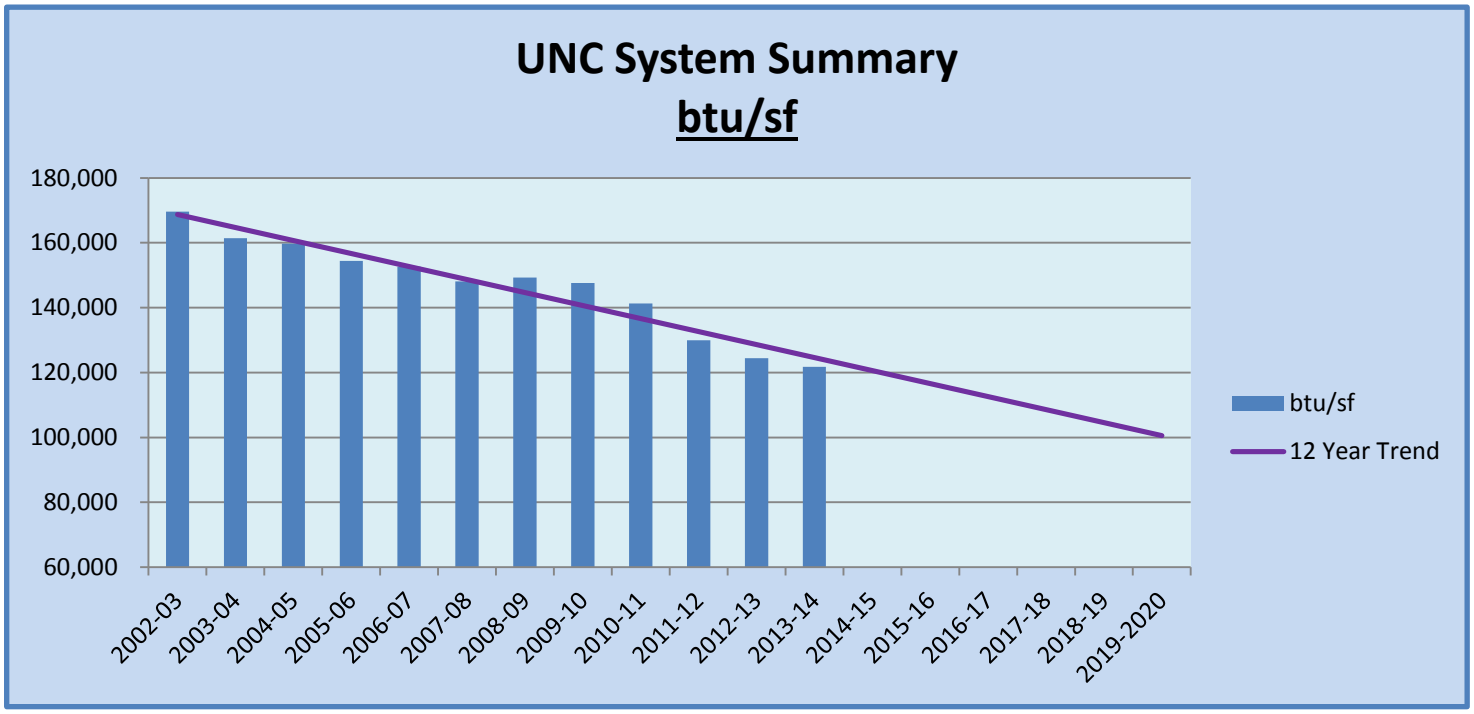
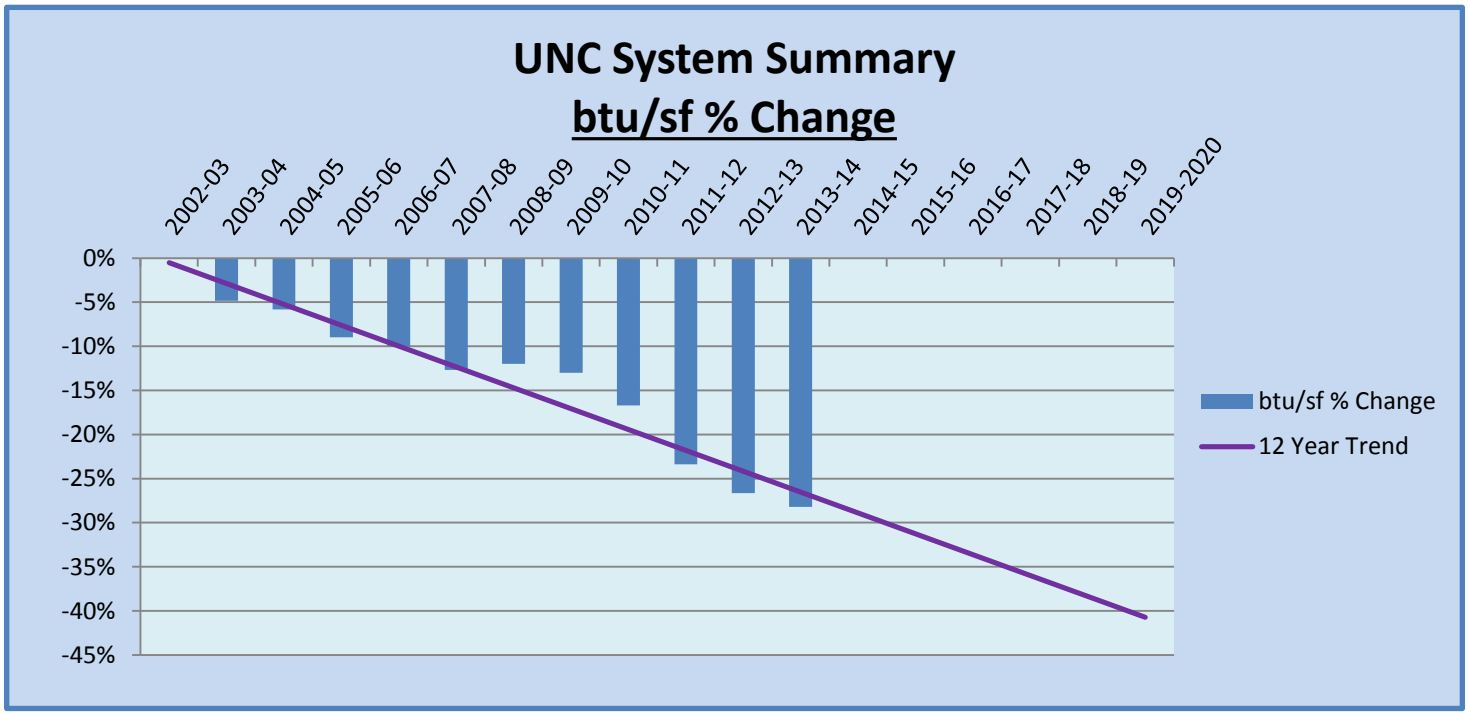
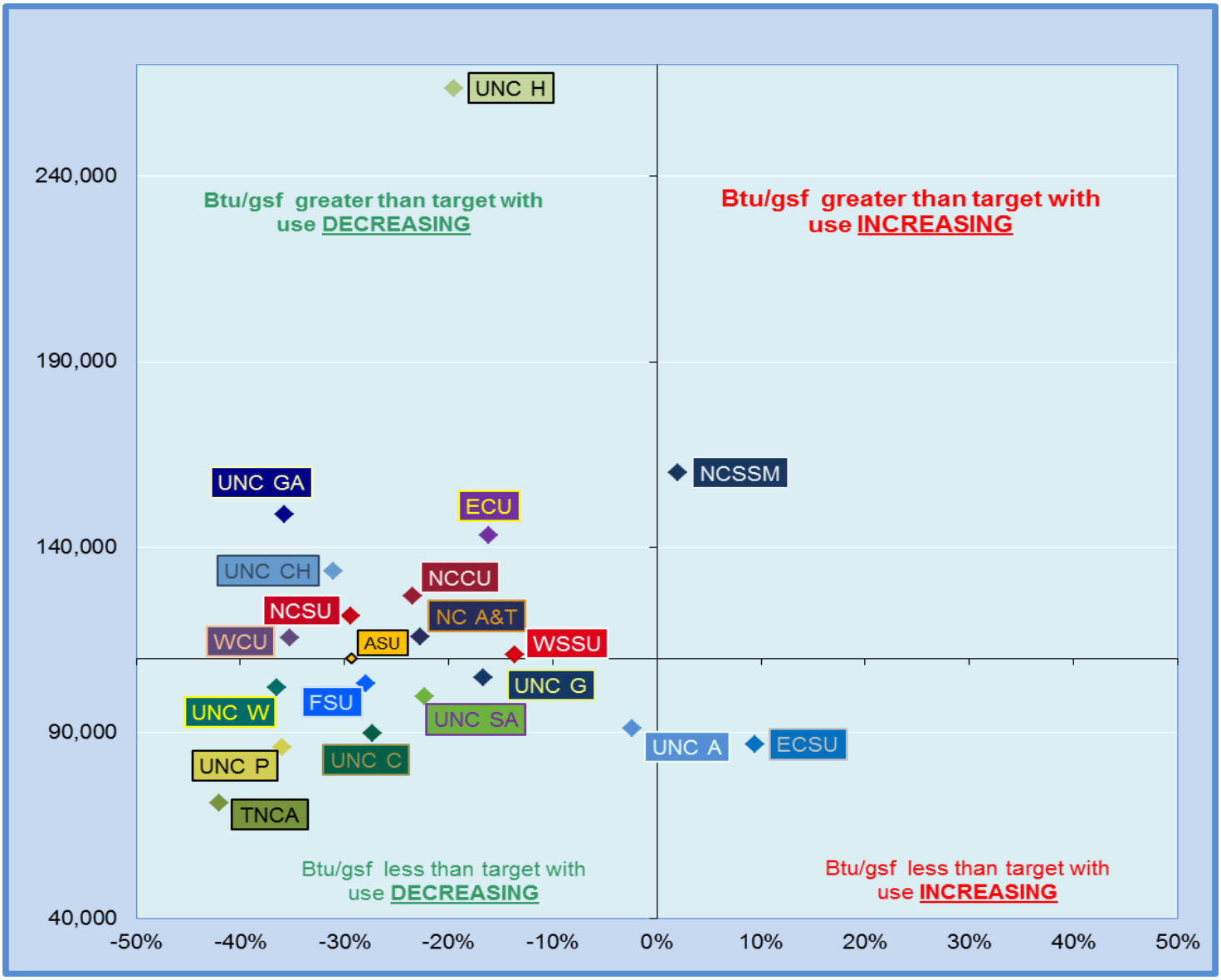


UNC System Energy Btu/sf % Change

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%						



Btu/gsf and % Reduction