Fayetteville State University

Utilities at a Glance

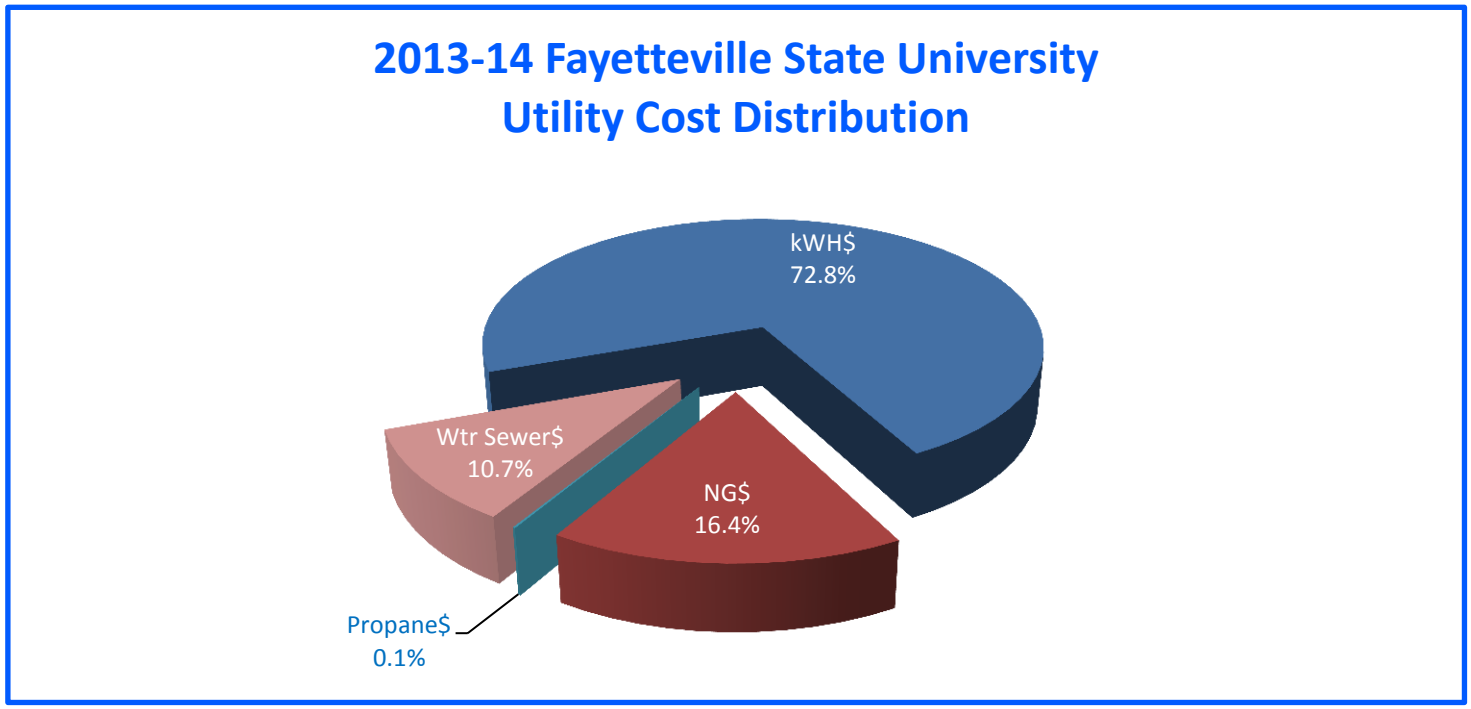
Fayetteville State University Utilities

Metric	Basline 2002-2003	Current 2013-2014	% change
Gross square feet	831,147	1,484,515	79%
Btu per square foot per year	143,218	103,272	-28%
Cost per million Btu	$ 12.26	$ 15.61	27%
Total Avoided Cost		$ 2,289,359.31	
Electric consumption in kWh	19,064,400	25,395,258	33%
Electric Cost	$ 1,036,961	$ 1,949,570	88%
Natural Gas consumption in Therms	538,778	665,596	24%
Natural Gas Cost	$ 420,311	$ 439,331	5%
#2 Fuel oil gallons	0	0	%
#2 Fuel oil cost	$ -	$ -	%
#6 Fuel oil gallons	0	0	%
#6 Fuel oil cost	$ -	$ -	%
Propane gallons	1,195	1,100	-8%
Propane cost	$ 1,507	$ 3,500	132%
Steam thousands of pounds	0	0	%
Steam cost	$ -	$ -	%
Chilled Water tons	0	0	%
Chilled Water cost	$ -	$ -	%
Water thousands of gallons	14,857	37,469	152%
Water & Sewer cost	$ 69,462	$ 286,039	312%

Fayetteville State University
Year End Utility Comparison

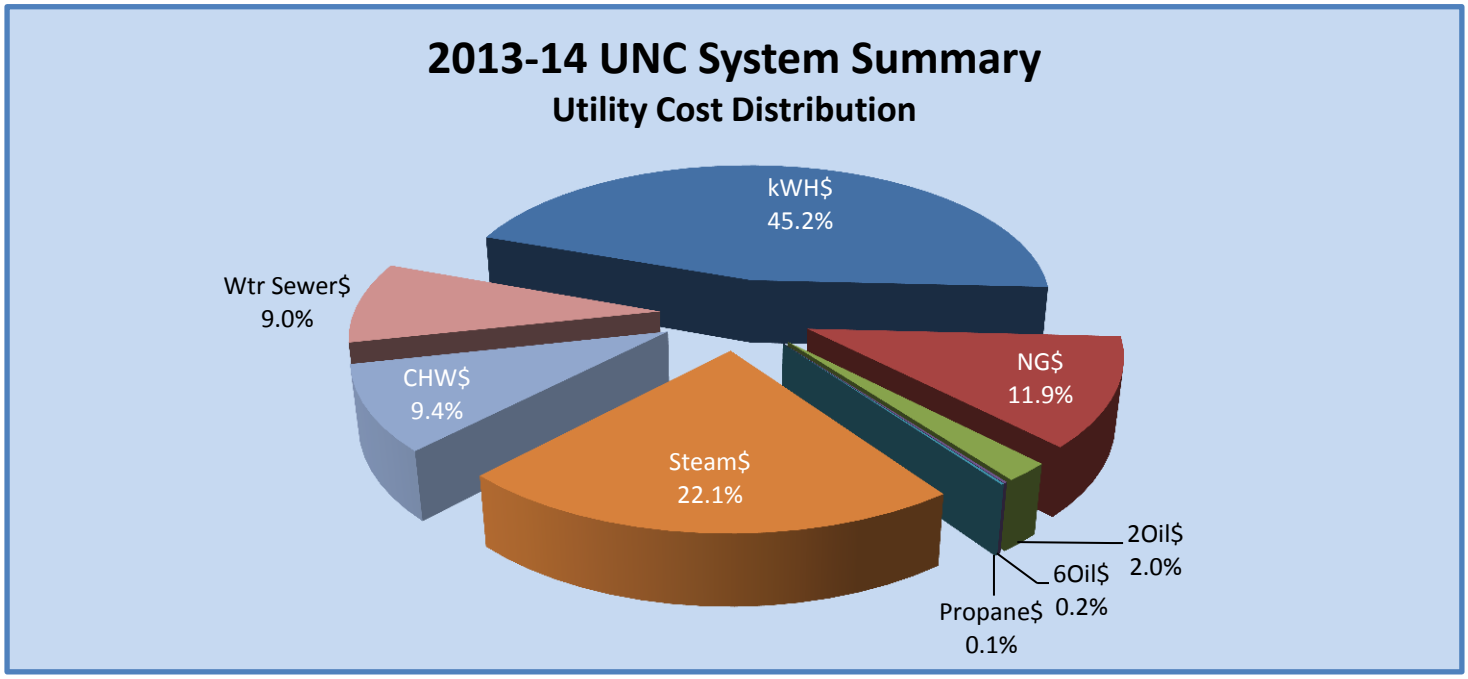
FSU Utilities Summary 2013-2014

kWH$	NG$	2Oil$	6Oil$	Propane$	Steam$	CHW$	Wtr Sewer$	Total Utility $
$ 1,949,570	$ 439,331			$ 3,500			$ 286,039	$ 2,678,440



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

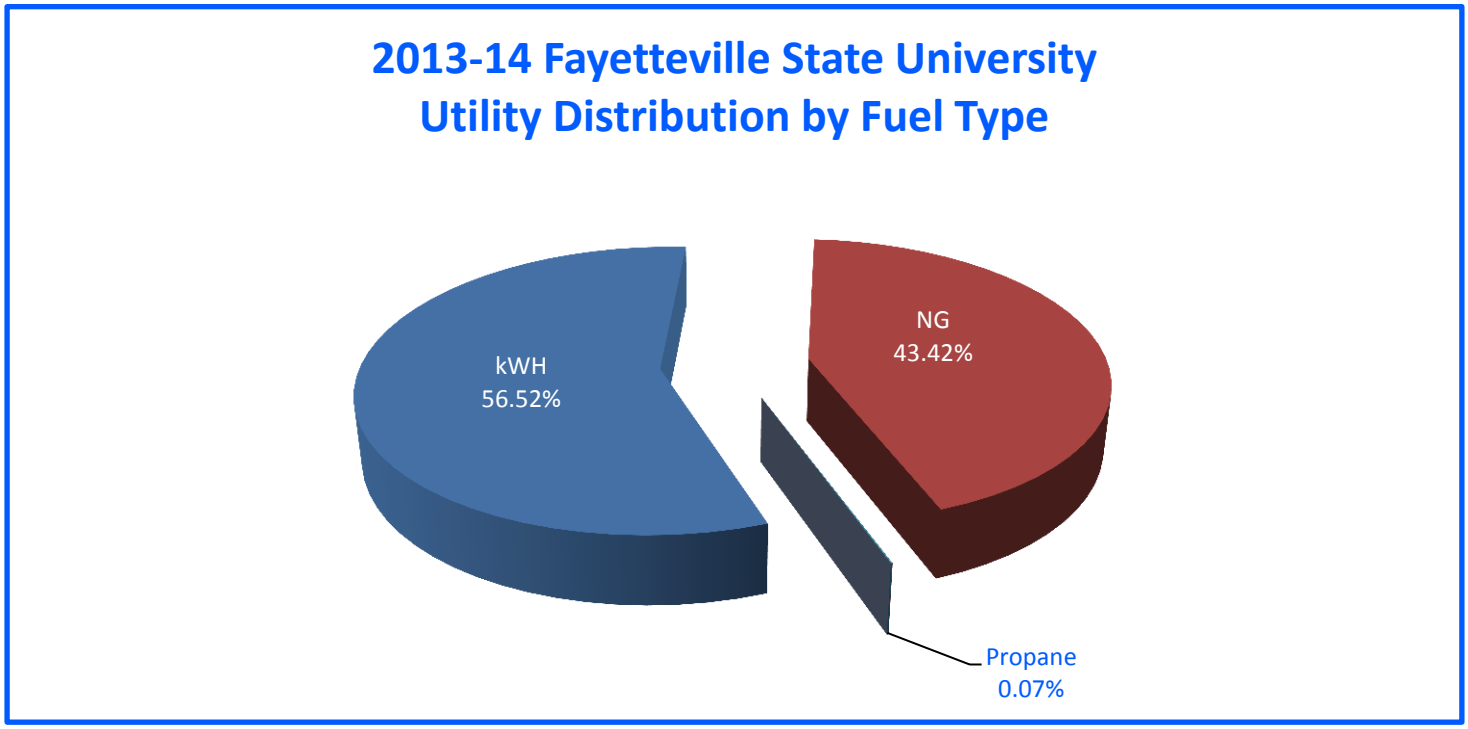


Fayetteville State University

Year End Btu by Fuel Type for 2013-2014

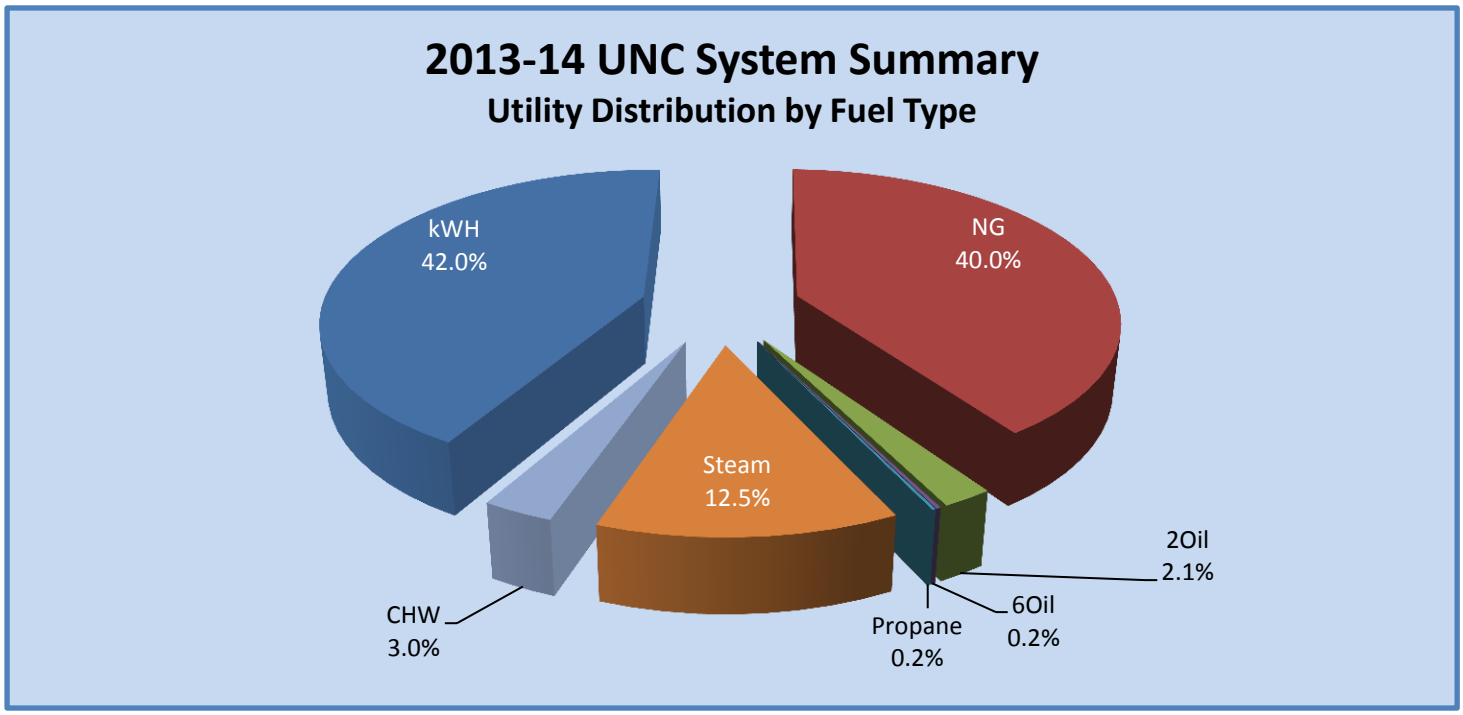
Fayetteville State University Btu by Fuel Type 2013-2014

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
86,648,620,296	66,559,600,000	0	0	100,812,800	0	0	153,309,033,096



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

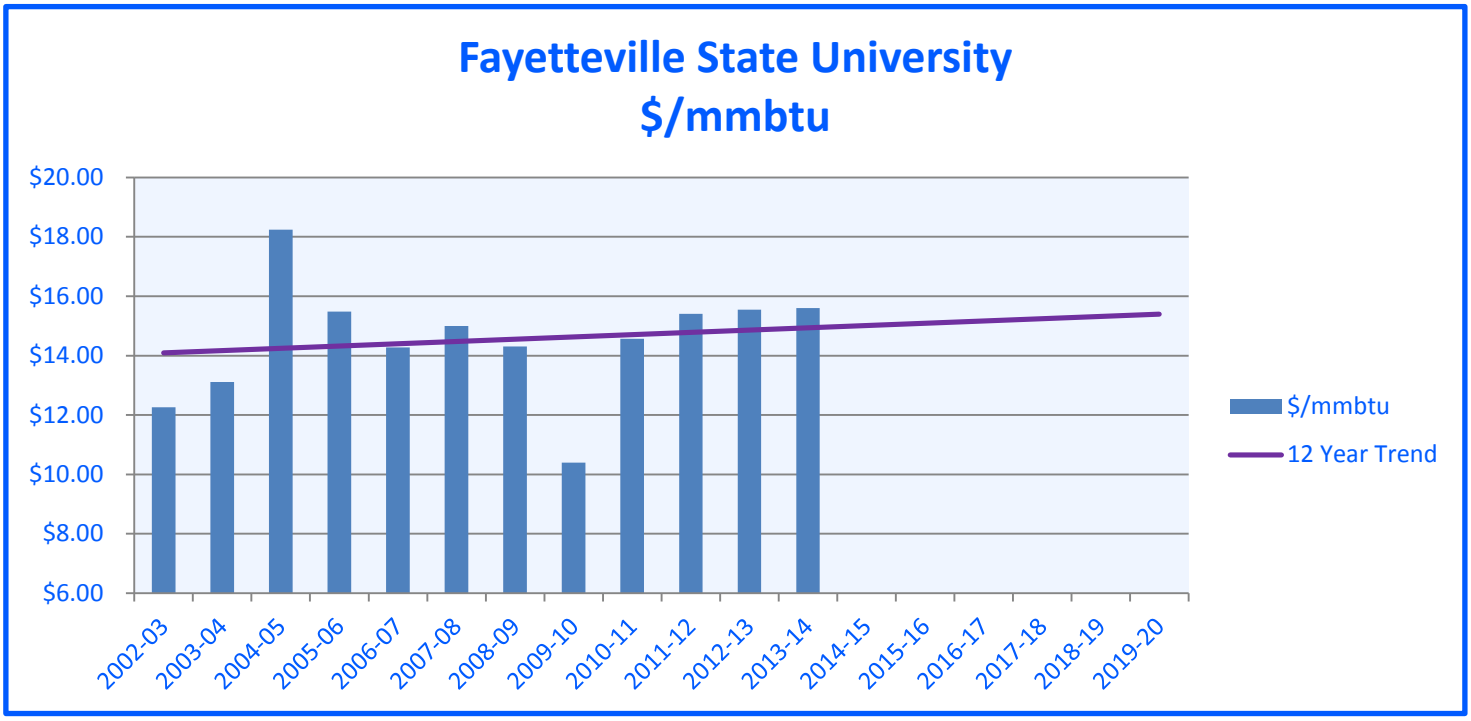


Fayetteville State University

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

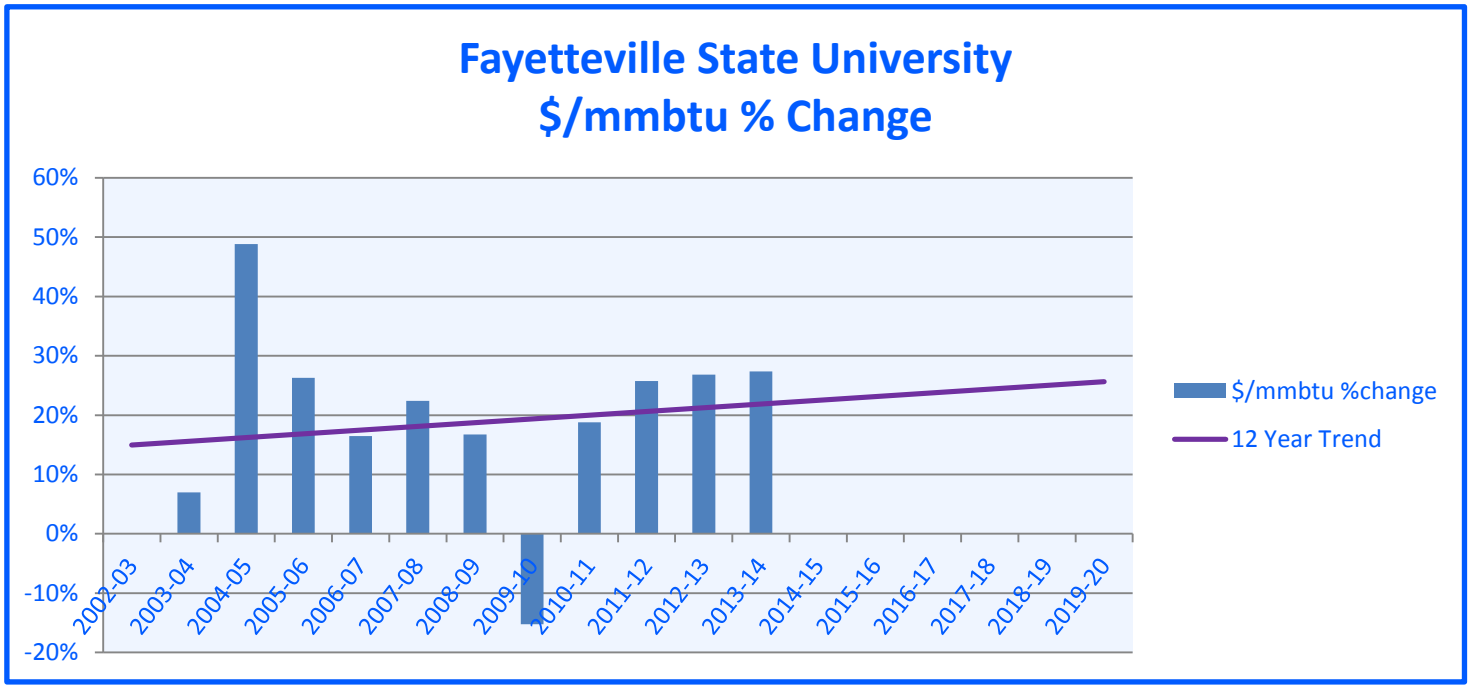
Fayetteville State Energy $/mmbtu

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
$ 12.26	$ 13.11	$ 18.24	$ 15.48	$ 14.27	$ 15.00	$ 14.31	$ 10.39	$ 14.56
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
$ 15.41	$ 15.54	$ 15.61						



Fayetteville State Energy $/mmbtu % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
0%	7%	49%	26%	16%	22%	17%	-15%	19%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
26%	27%	27%						

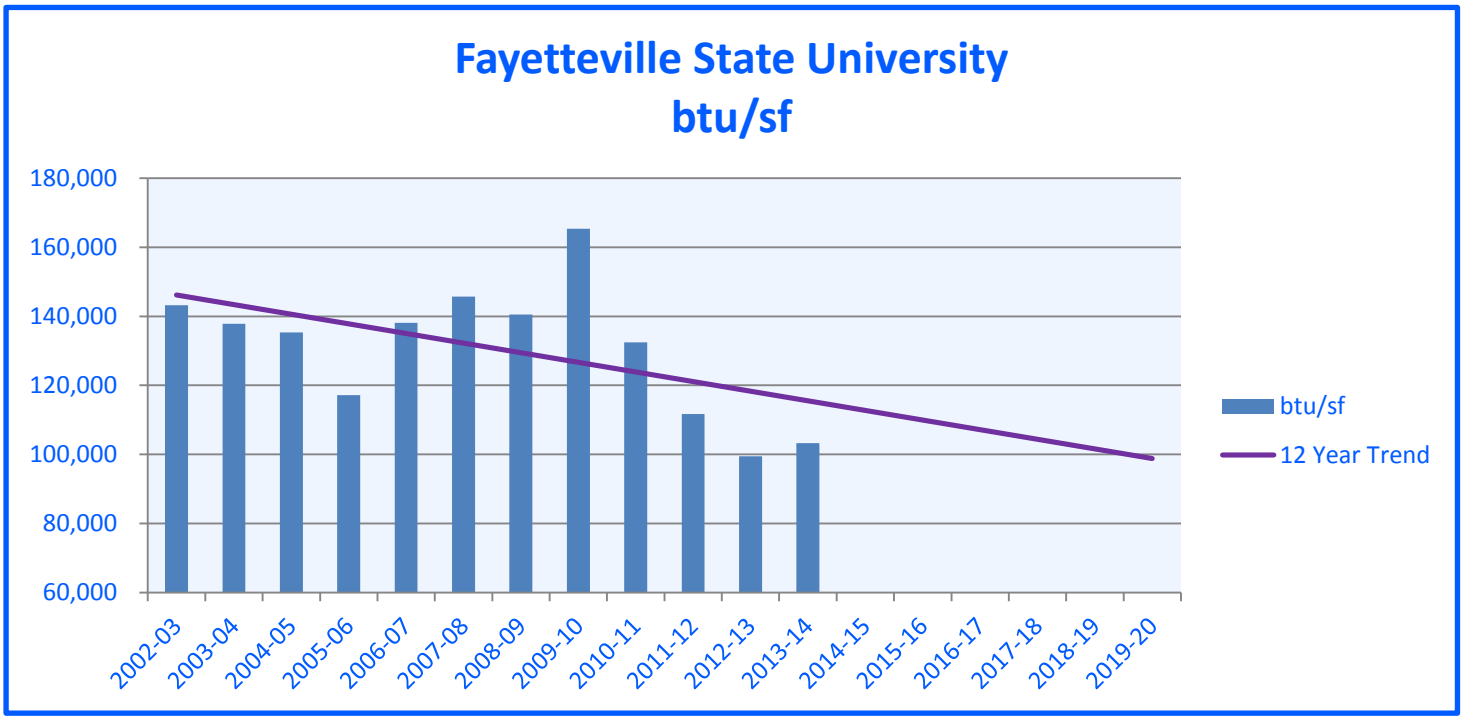


Fayetteville State University

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

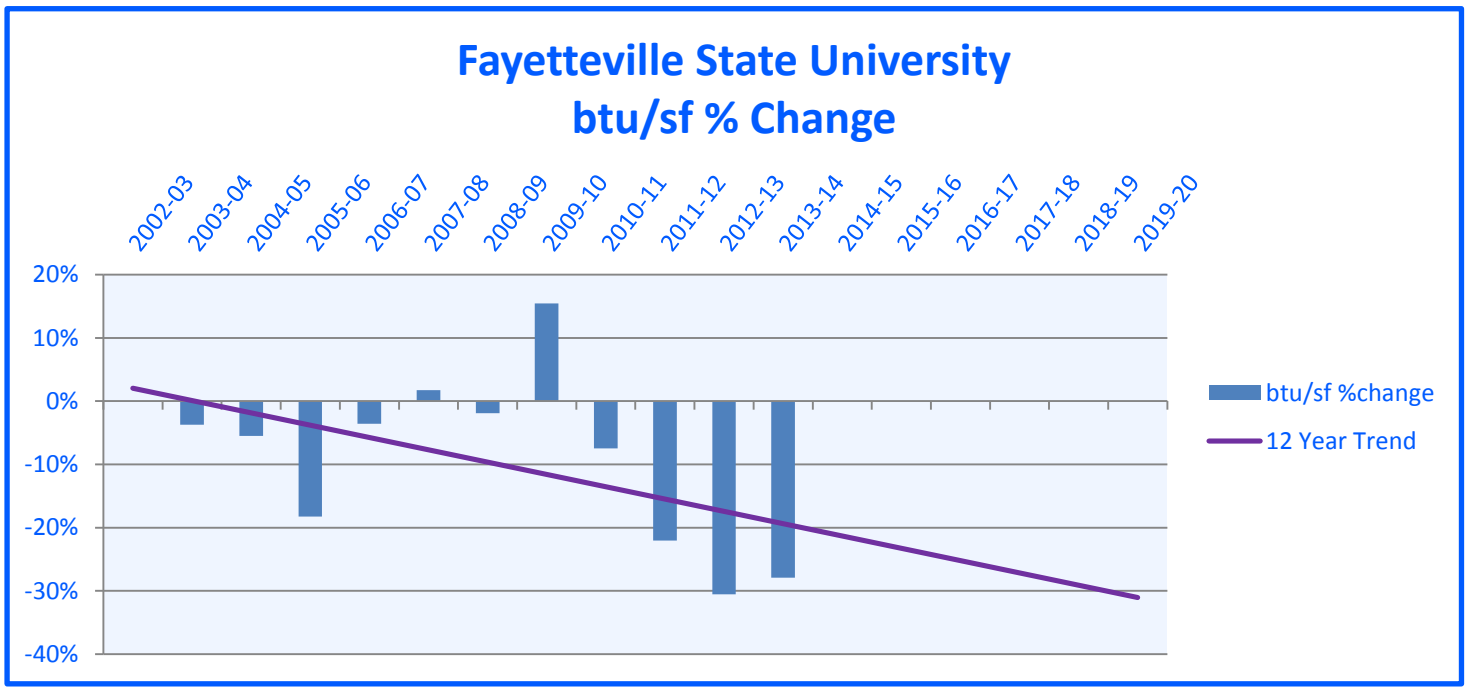
Fayetteville State Energy btu/sf

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
143,218	137,845	135,337	117,125	138,073	145,706	140,475	165,324	132,485
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
111,682	99,460	103,272						



Fayetteville State Energy btu/sf % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
0%	-4%	-6%	-18%	-4%	2%	-2%	15%	-7%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
-22%	-31%	-28%						

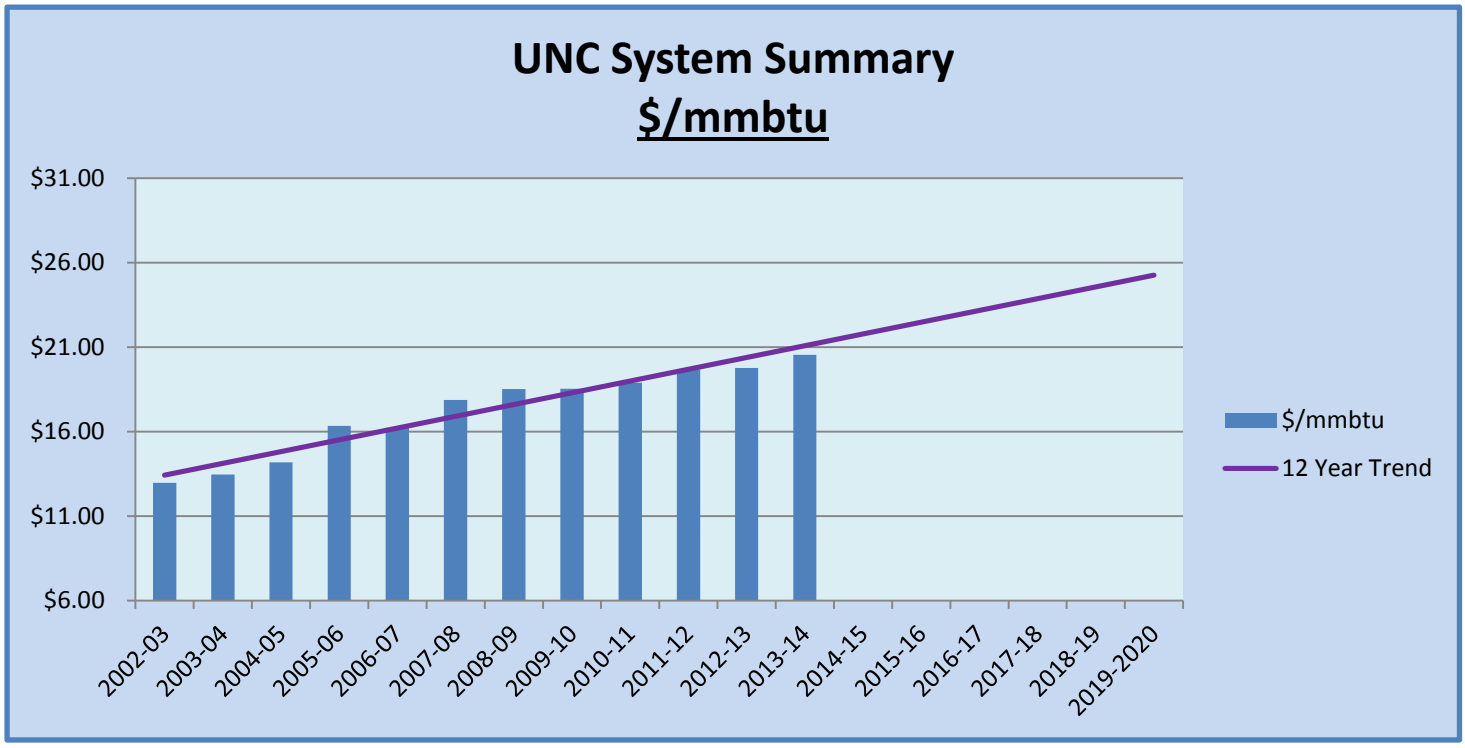


UNC System Summary

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

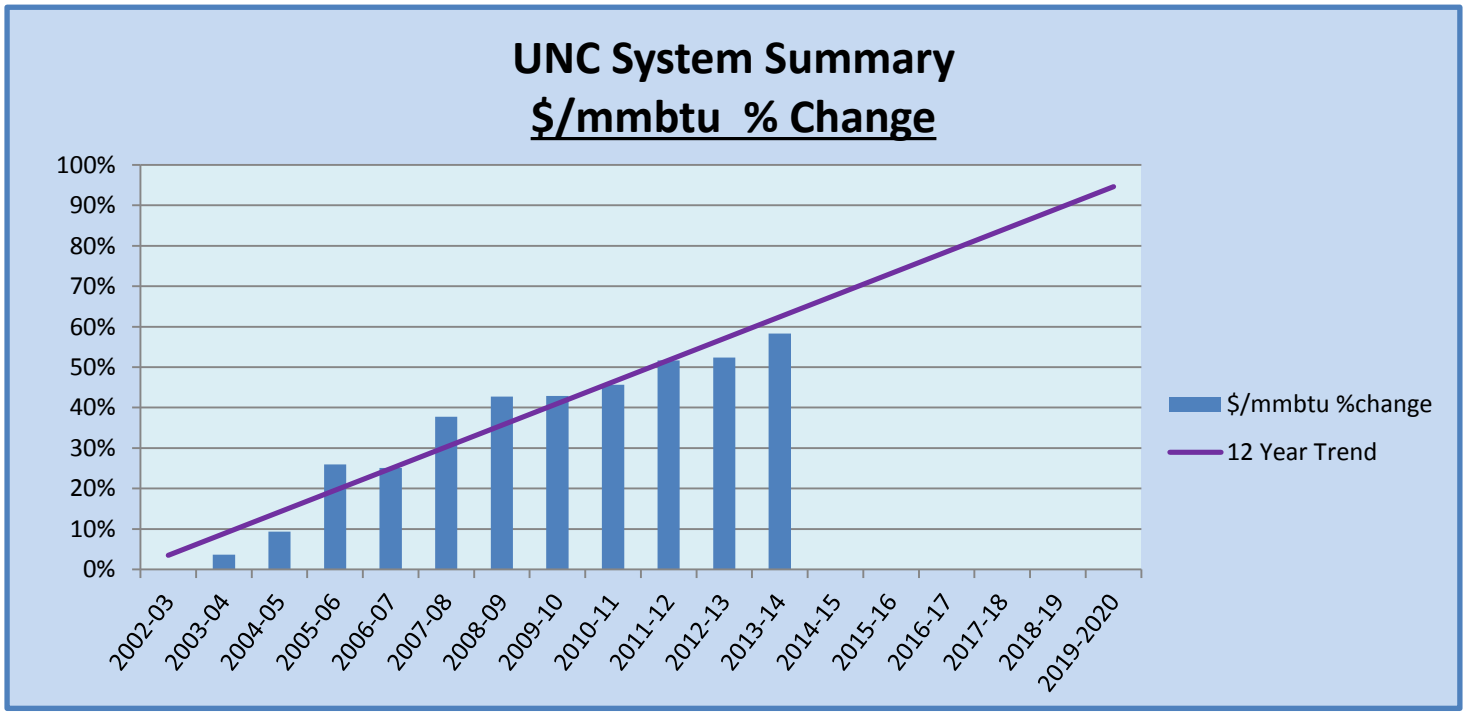
UNC System Energy $/mmbtu

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%						

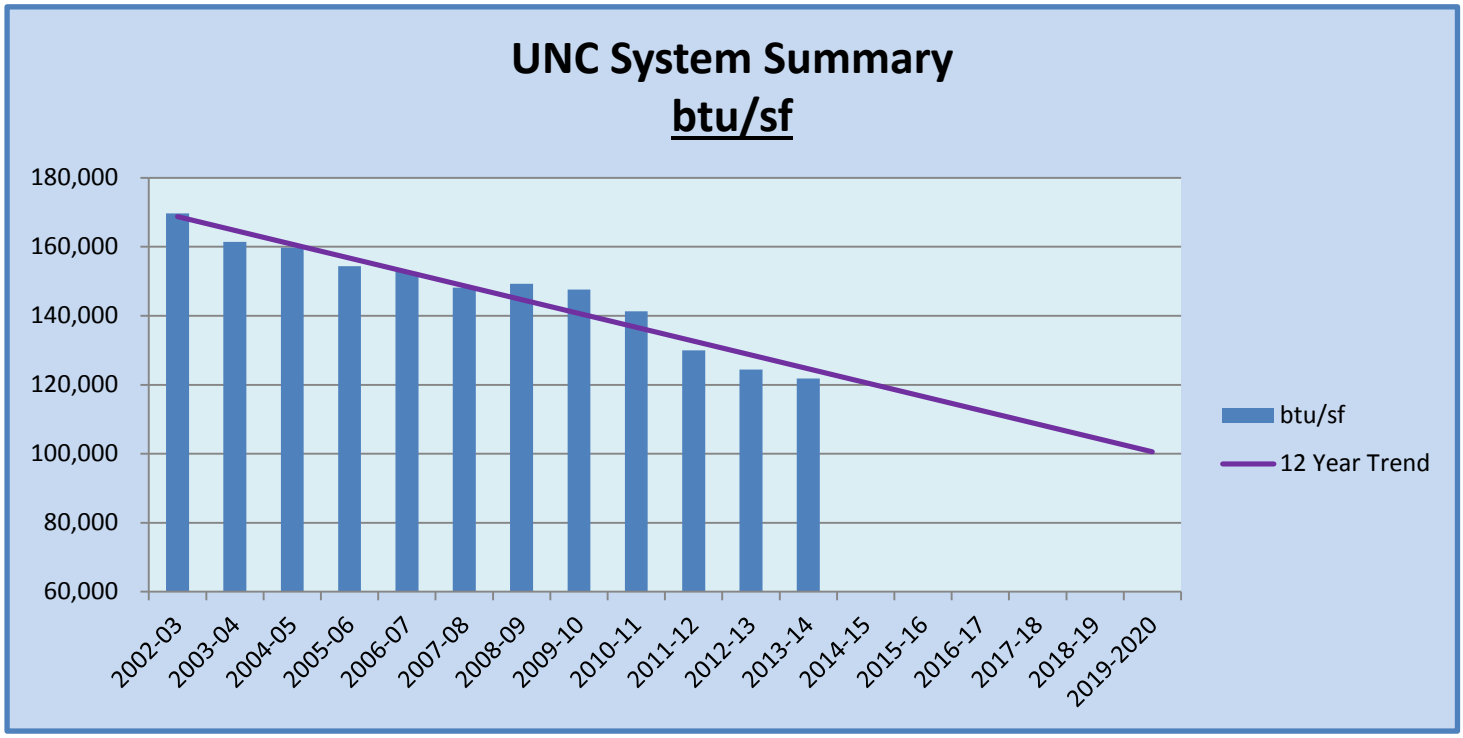


UNC System Summary

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

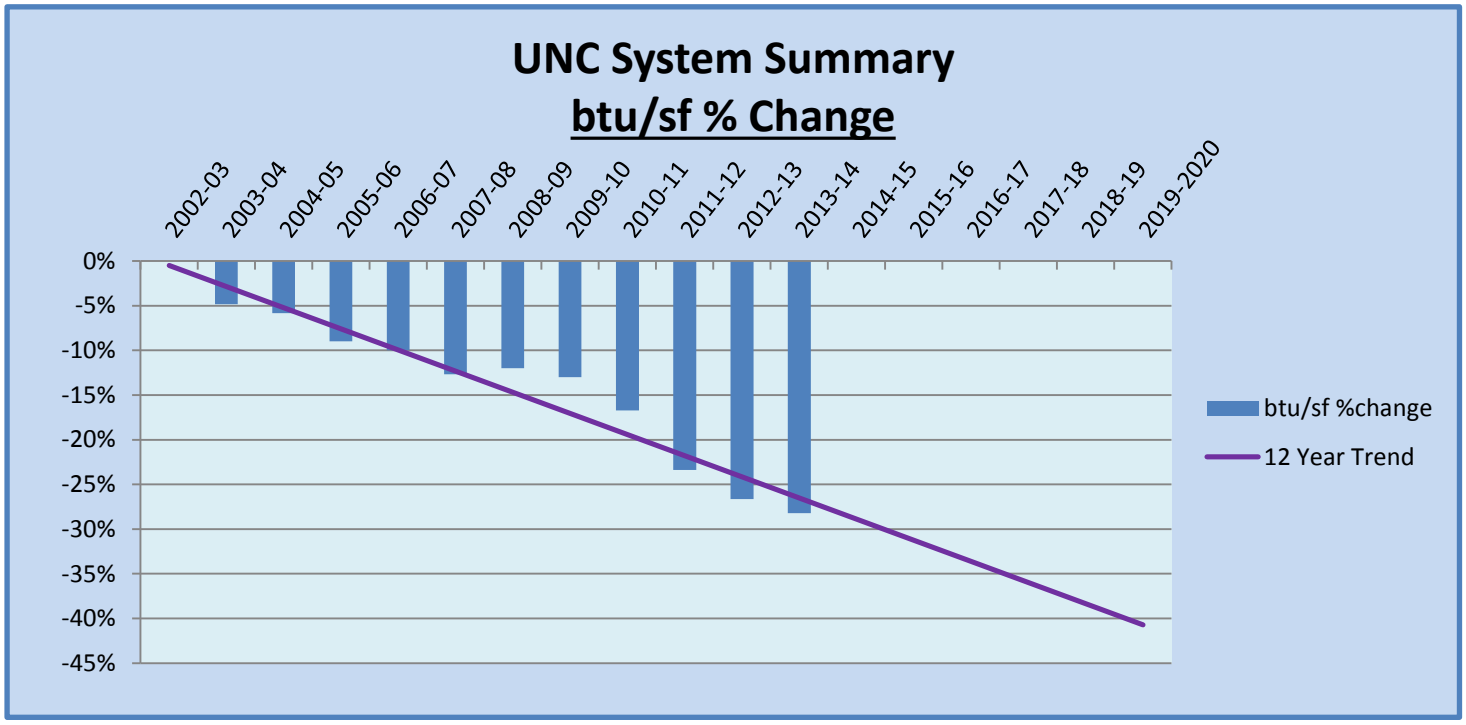
UNC System Energy Btu/sf

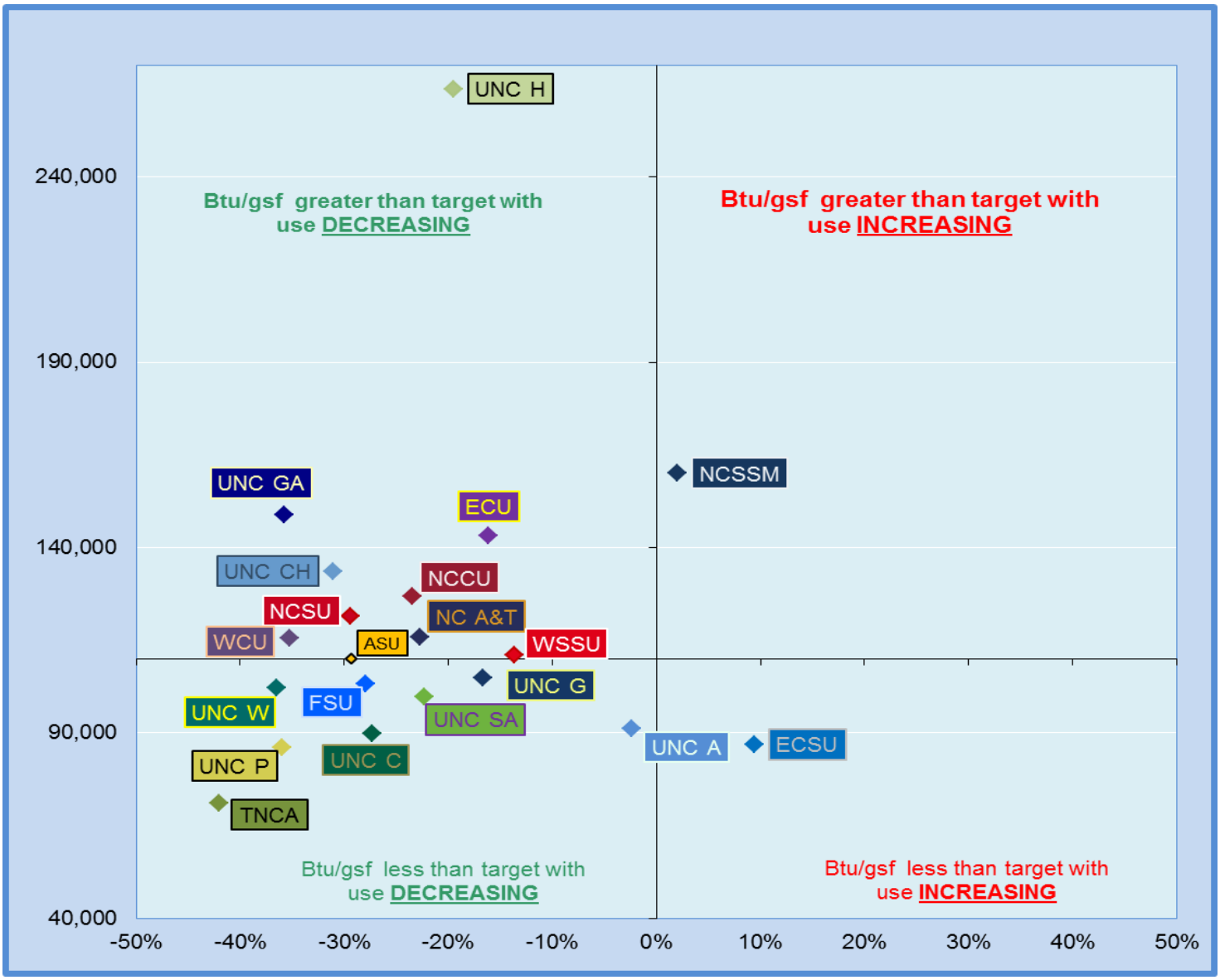
2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
169,641	161,422	159,774	154,418	152,682	148,154	149,276	147,583	141,295
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
129,971	124,448	121,775						



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