UNC Pemproke

Utilities at a Glance

UNC Pemproke Utilities

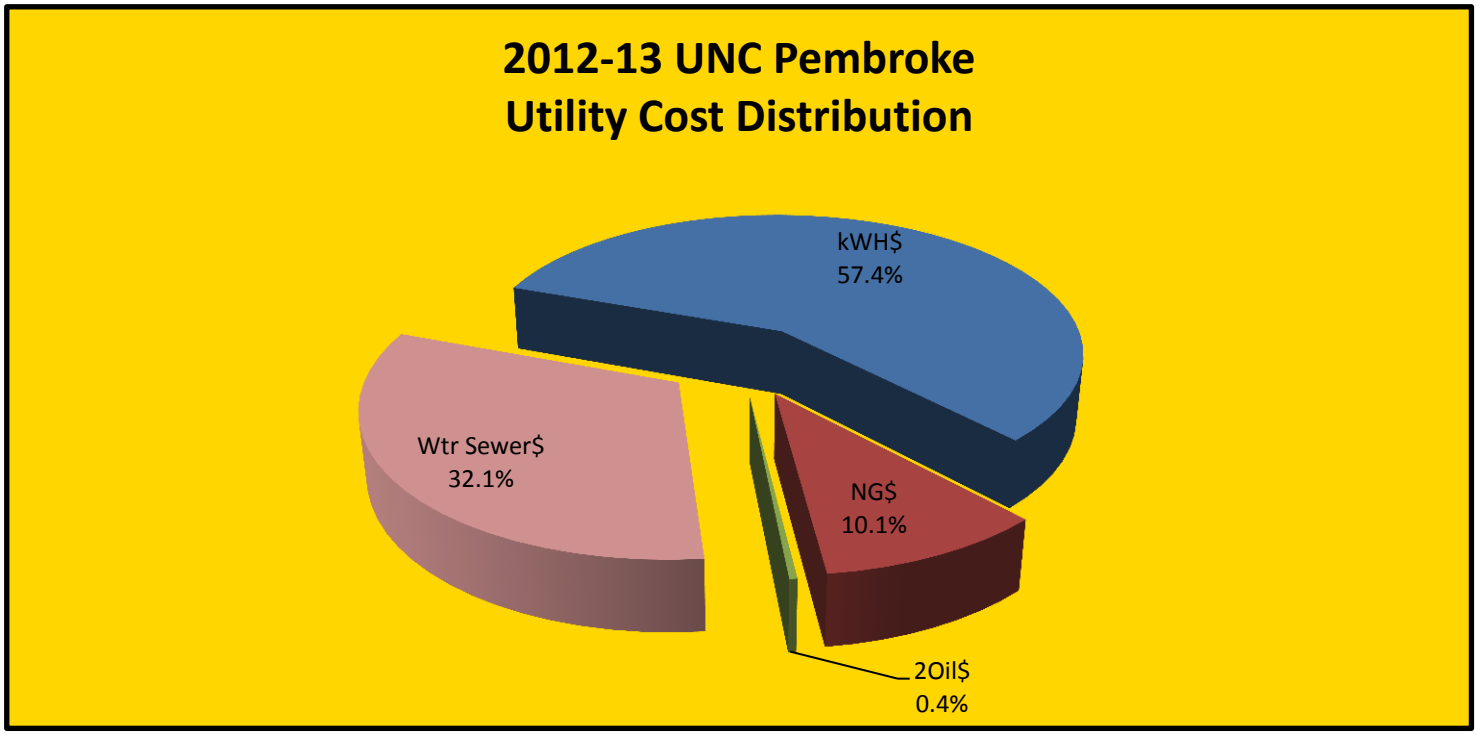
Metric	Basline 2002-2003	Current 2012-2013	% change
Gross square feet	858,156	1,323,028	54%
Btu per square foot per year	134,506	90,192	-33%
Cost per million Btu	$ 13.38	$ 16.11	20%
Total Avoided Cost		$3,223,948.16	
Electric consumption in kWh	18,800,500	20,356,800	8%
Electric Cost	$ 1,031,658	$ 1,627,136	58%
Natural Gas consumption in Therms	497,310	494,526	-1%
Natural Gas Cost	$ 487,910	$ 285,569	-41%
#2 Fuel oil gallons	11,169	3,000	-73%
#2 Fuel oil cost	$ 25,179	$ 9,925	-61%
#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	31,002	32,858	6%
Water & Sewer cost	$ 657,512	$ 910,777	39%

UNC Pemproke

Year End Utility Comparison

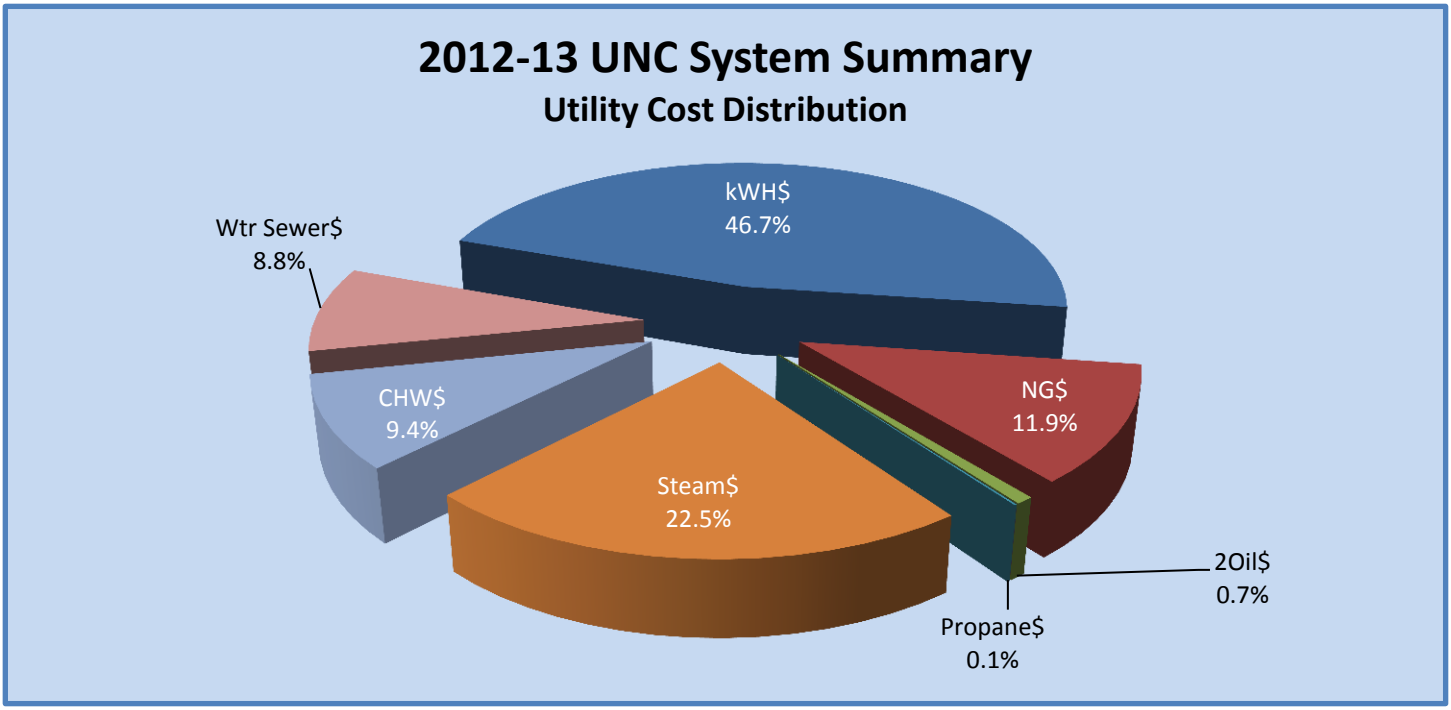
UNC Pemproke Utilities Summary 2012-2013

kWH$	NG$	2Oil$	6Oil$	Propane$	Steam$	CHW$	Wtr Sewer$	Total Utility $
$ 1,627,136	$ 285,569	$ 9,925					$ 910,777	$ 2,833,407



UNC System Utilities Summary 2012-2013

kWH$	NG$	2Oil$	6Oil$	Propane$	Steam$	CHW$	Wtr Sewer$	Total Utility $
$ 104,643,363	$ 26,628,783	$ 1,672,289	$ -	$ 231,284	$ 50,388,003	$ 21,078,810	$ 19,649,373	$ 224,291,905

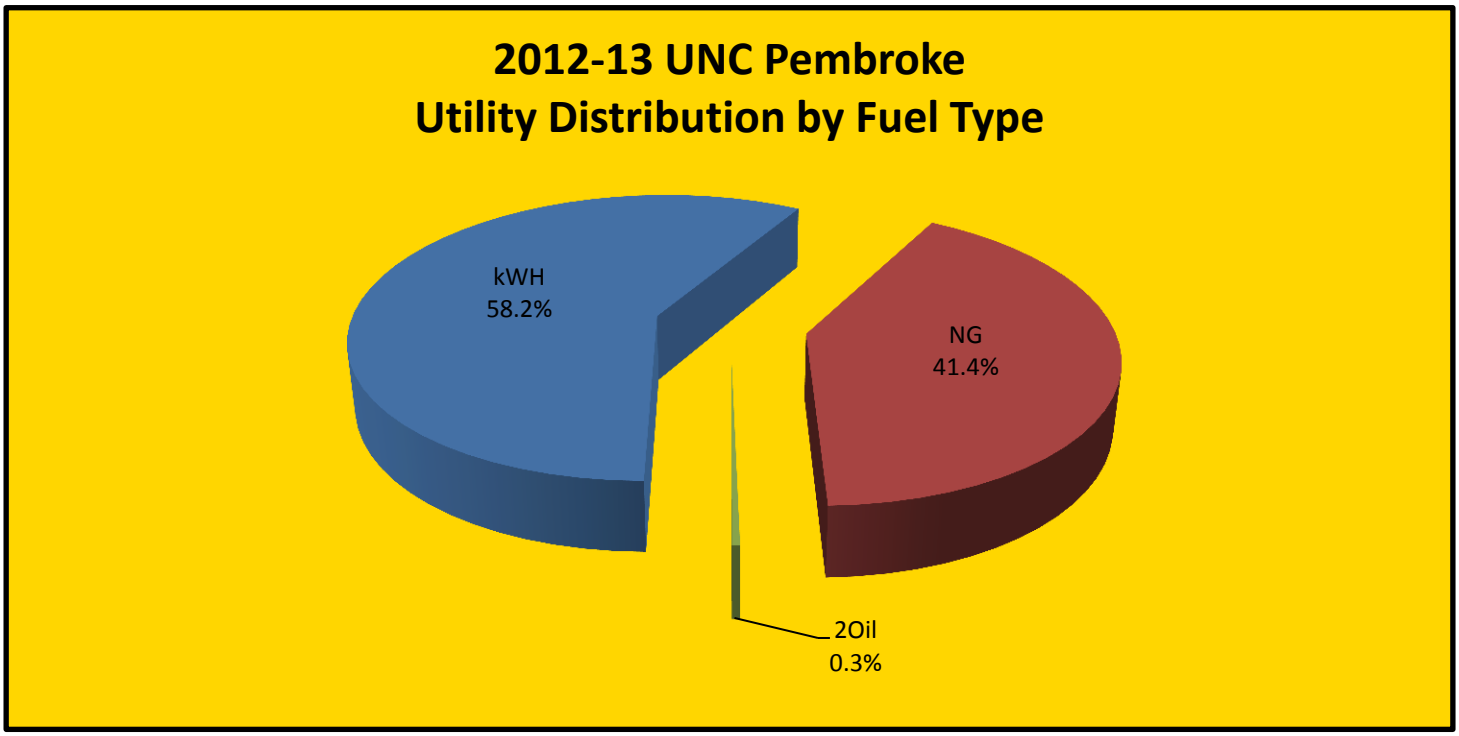


UNC Pembroke

Year End Btu by Fuel Type for 2012-2013

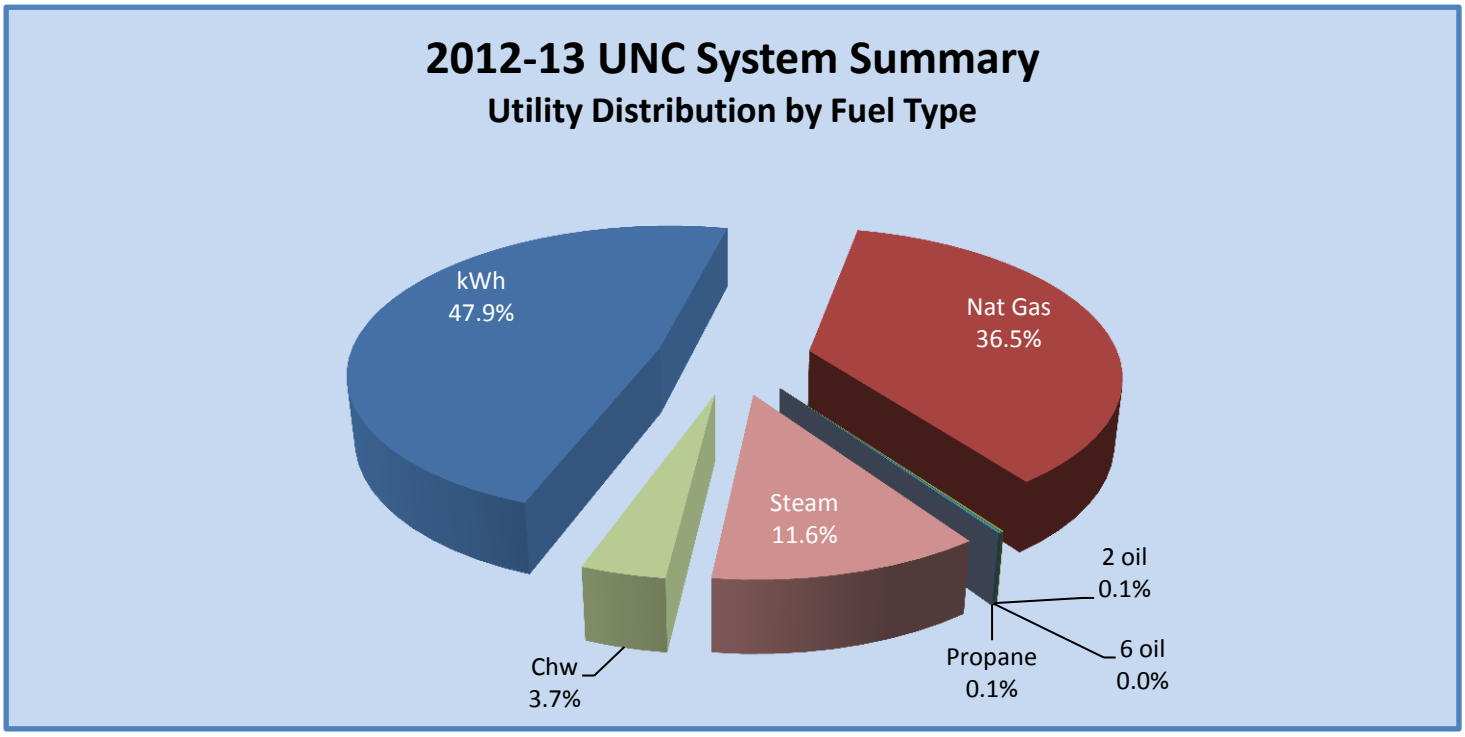
UNC Pemproke Btu by Fuel Type 2012-2013

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
69,457,401,600	49,452,600,000	416,071,500					119,326,073,100



UNC System Btu by Fuel Type 2012-2013

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
4,866,580,518,980	4,474,683,440,000	75,369,049,963	149,690,500	17,786,063,206	1,326,611,610,000	322,105,202,620	11,083,285,575,269

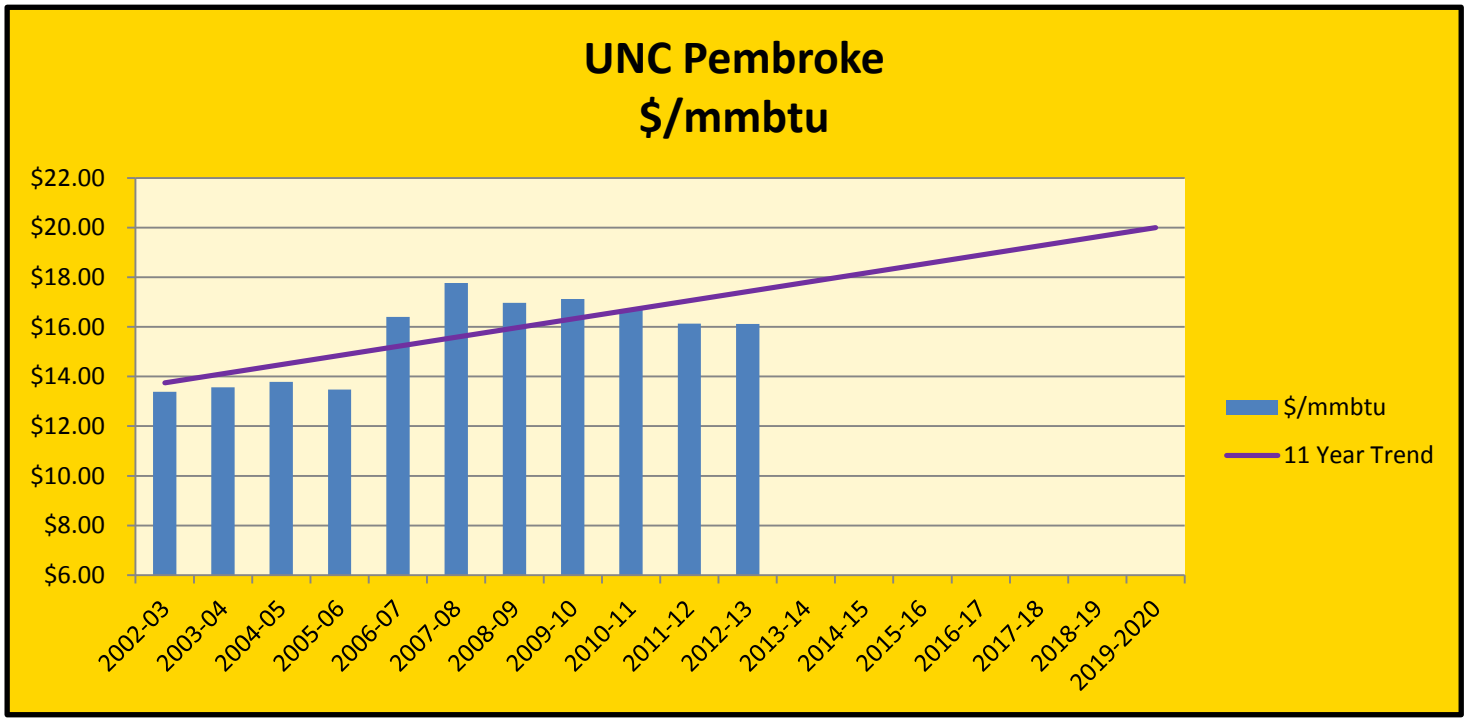


UNC Pemproke

11 Year Energy $/mmbtu Evaluation 2003-2013 & Trend Through 2020

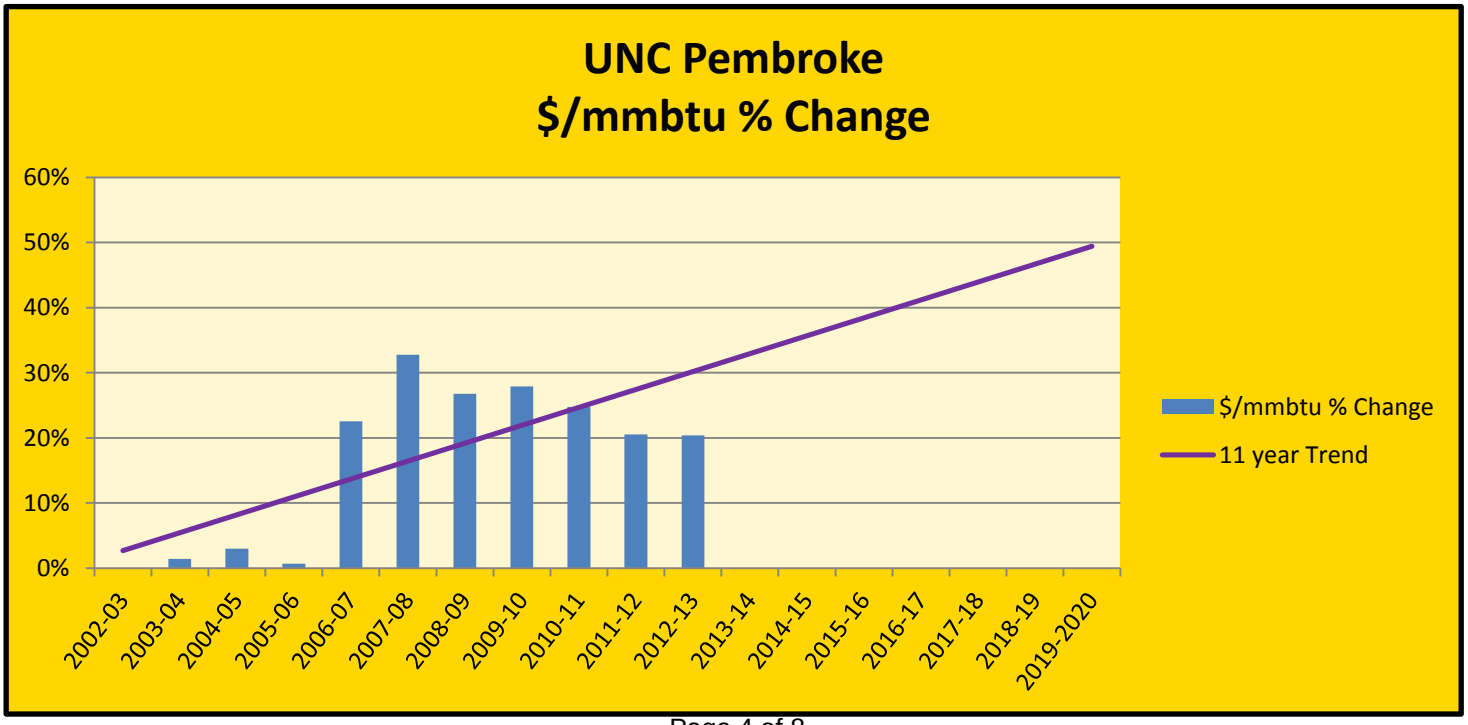
UNC Pemproke Energy $/mmbtu

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
$ 13.38	$ 13.57	$ 13.78	$ 13.47	$ 16.40	$ 17.76	$ 16.96	$ 17.12	$ 16.69
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
$ 16.13	$ 16.11							



UNC Pemproke Energy $/mmbtu % Change

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
0%	1%	3%	1%	23%	33%	27%	28%	25%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
21%	20%							

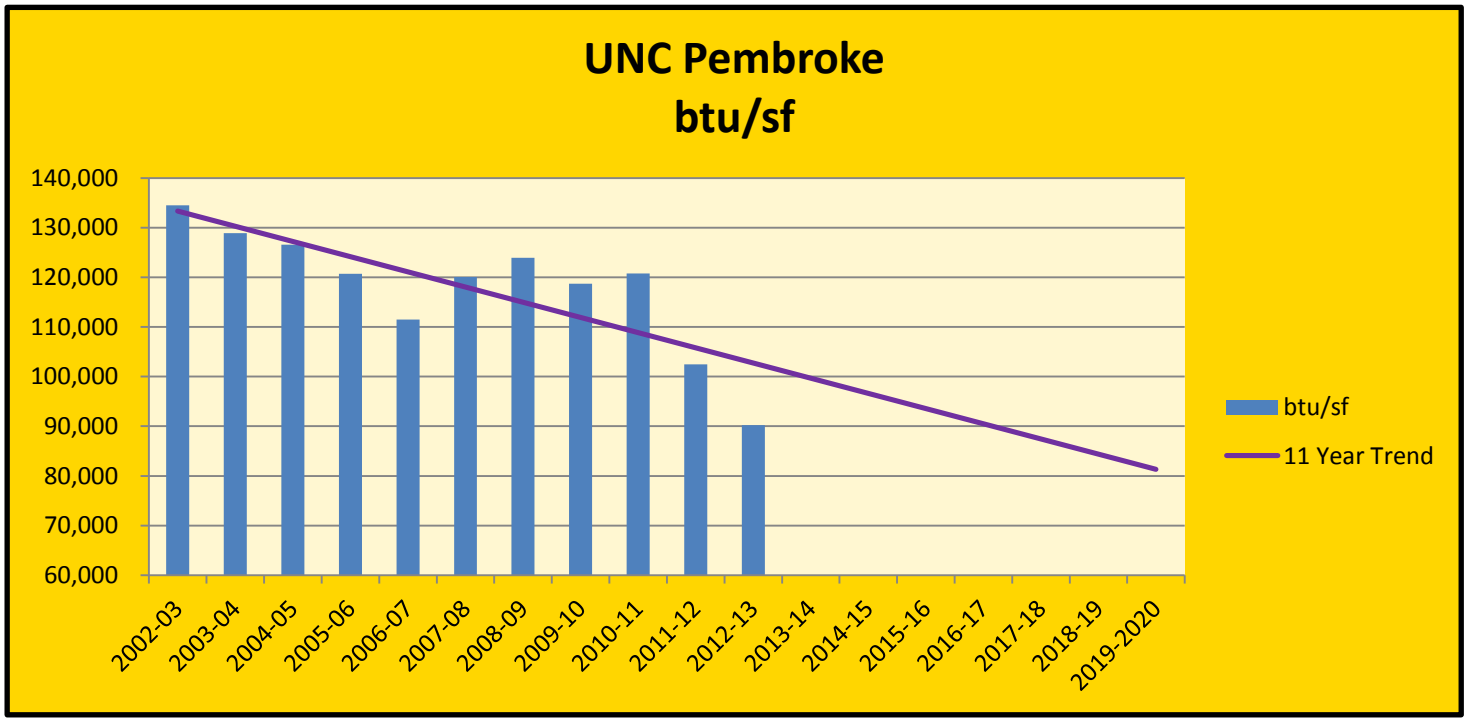


UNC Pemproke

11 Year Energy btu/sf Evaluation 2003-2013 & Trend Through 2020

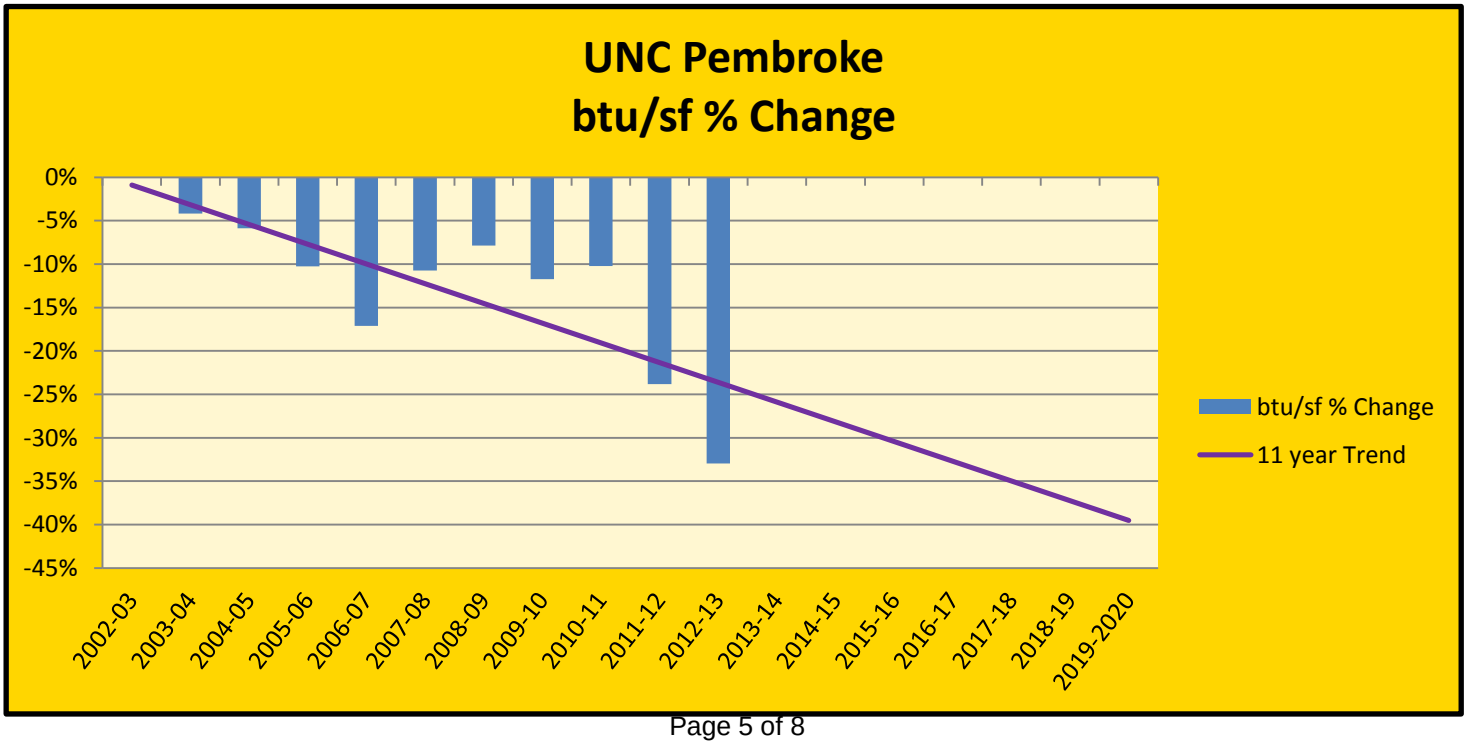
UNC Pemproke Energy btu/sf

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
134,506	128,881	126,589	120,721	111,492	120,082	123,928	118,744	120,763
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
102,453	90,192							



UNC Pemproke 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%	-10%	-17%	-11%	-8%	-12%	-10%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
-24%	-33%							

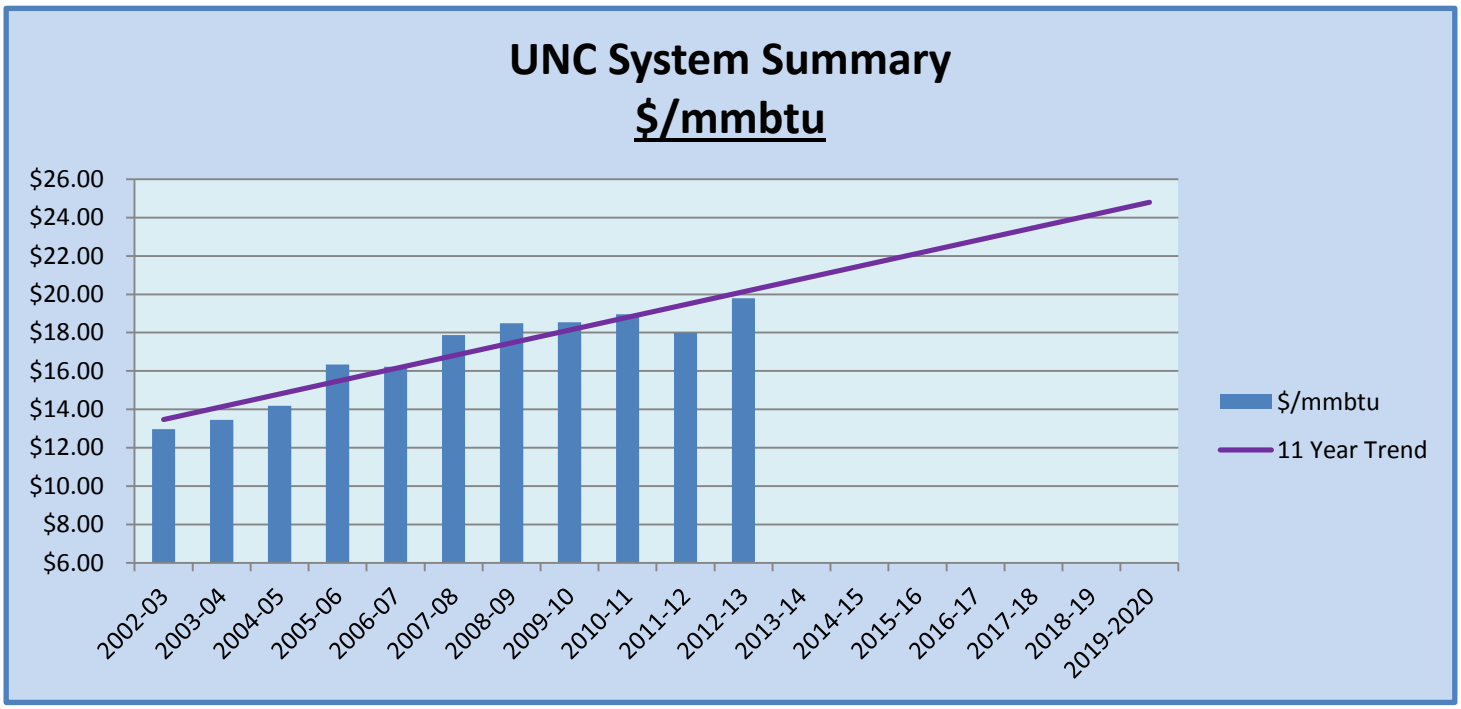


UNC System Summary

11 Year Energy $/mmbtu Evaluation 2003-2013 & Trend Through 2020

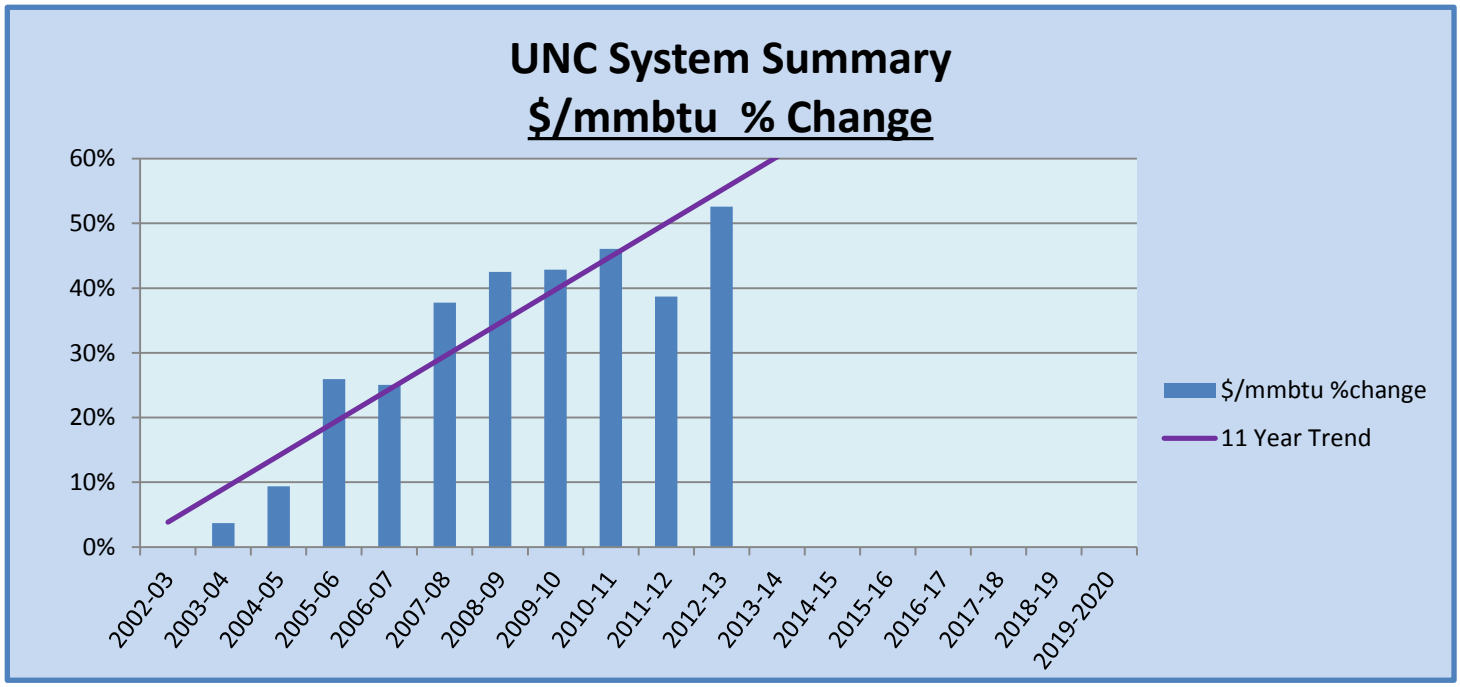
UNC System Energy $/mmbtu

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	$ 18.49	$ 18.54	$ 18.95
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
$ 17.99	$ 19.80							



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%	42%	43%	46%
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
39%	53%							

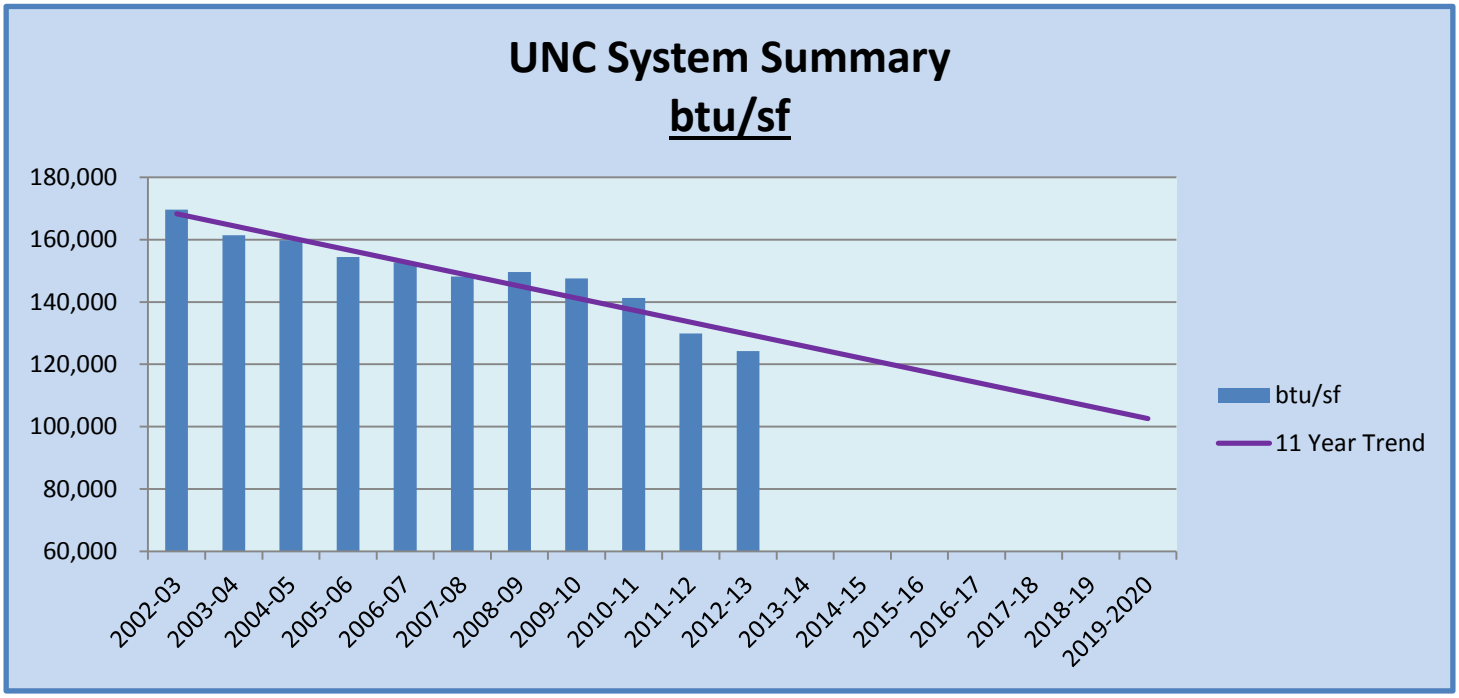


UNC System Summary

11 Year Energy Btu/sf Evaluation 2003-2013 & Trend Through 2020

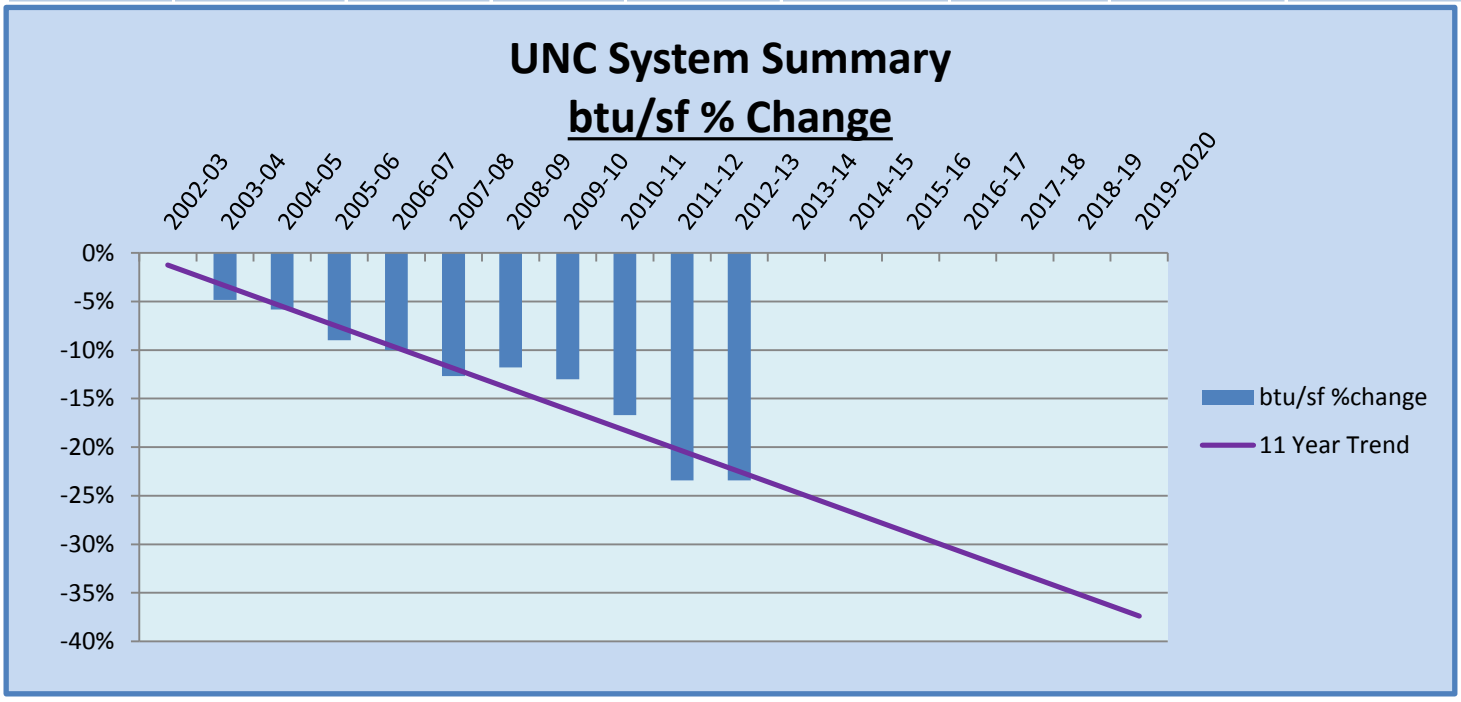
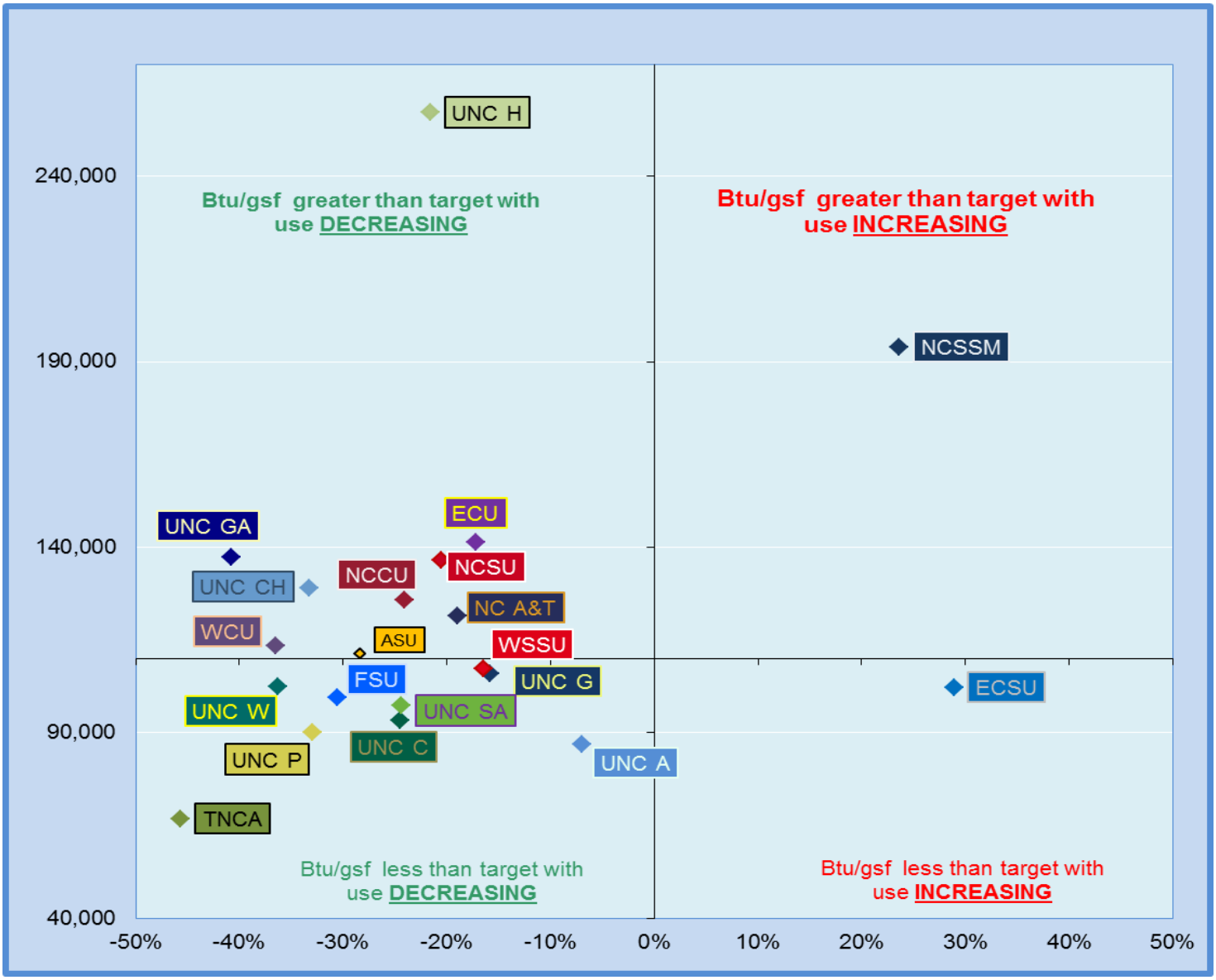
UNC System Energy Btu/sf

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
169,641	161,422	159,774	154,406	152,669	148,145	149,646	147,579	141,308
2011-12	**2012-13**	**2013-14**	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-2020**
129,897	124,266							



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%							



Btu/gsf and % Reduction