

# Winston Salem State University

## Utilities at a Glance



### Winston Salem State University Utilities

Metric	Baseline 2002-2003	Current 2010-2011	% change
Gross square feet	1,076,245	1,726,081	60%
Btu per square foot per year	128,465	117,861	-8%
Cost per million Btu	\$ 10.13	\$ 11.80	16%
Total Avoided Cost		\$2,137,992.47	
Electric consumption in kWh	18,099,871	28,739,128	59%
Electric Cost	\$ 896,427	\$ 1,713,791	91%
Natural Gas consumption in Therms	686,150	1,048,455	53%
Natural Gas Cost	\$ 452,496	\$ 675,979	49%
#2 Fuel oil gallons	56,876	3,858	-93%
#2 Fuel oil cost	\$ 51,726	\$ 9,975	-81%
#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	87,014	70,683	-19%
Water & Sewer cost	\$ 205,262	\$ 372,230	81%

# Winston Salem State University

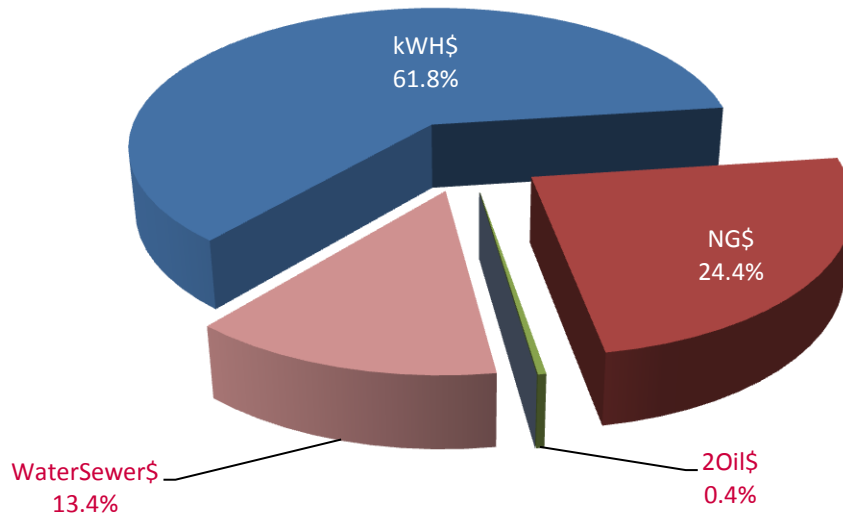
## Year End Utility Comparison



### Winston Salem State University Utilities Summary 2010-2011

kWH\$	NG\$	2Oil\$	6Oil\$	Propane\$	Steam\$	CHW\$	Wtr Sewer\$	Total Utility \$
\$ 1,713,791	\$ 675,979	\$ 9,975	\$ -	\$ -	\$ -	\$ -	\$ 372,230	\$ 2,771,976

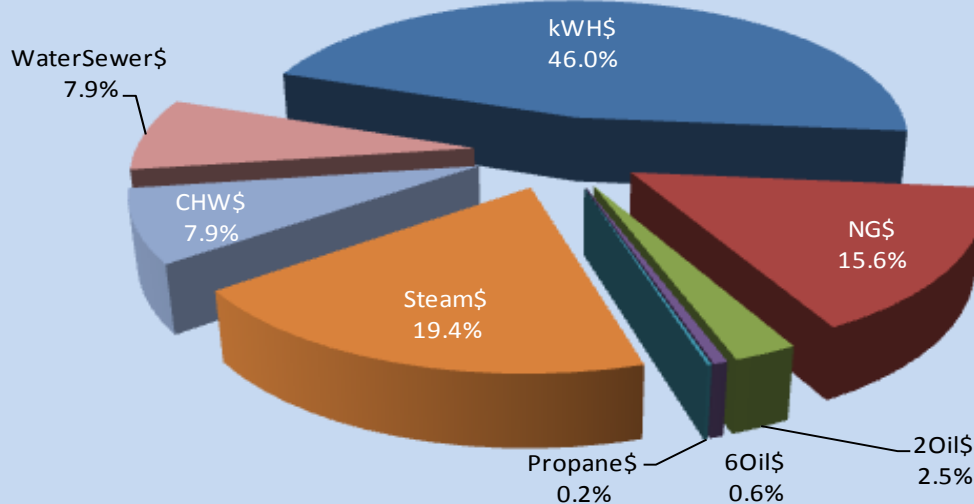
### 2010-11 Winston Salem State University Utility Cost Distribution



### UNC System Utilities Summary 2010-2011

kWH\$	NG\$	2Oil\$	6Oil\$	Propane\$	Steam\$	CHW\$	Wtr Sewer\$	Total Utility \$
\$ 58,092,098	\$ 19,714,190	\$ 3,175,383	\$ 703,988	\$ 222,115	\$ 24,494,432	\$ 9,944,030	\$ 9,958,718	\$ 208,041,995

### 2010-11 UNC System Summary Utility Cost Distribution



# Winston Salem State University

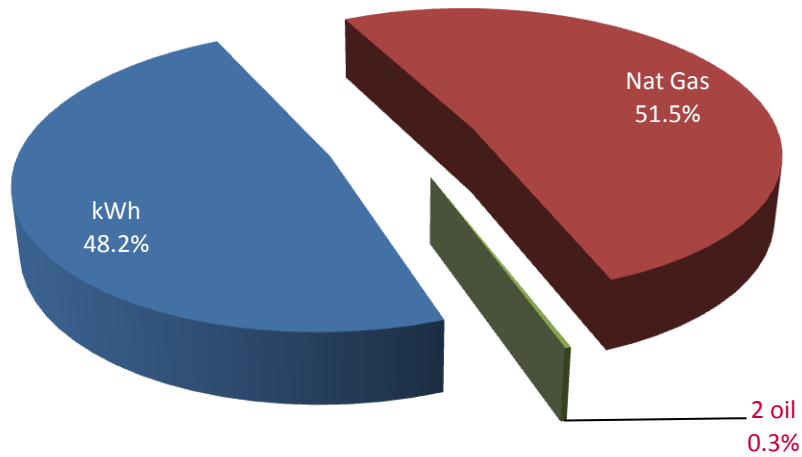
Year End Btu by Fuel Type for 2010-2011



Winston Salem State University Btu by Fuel Type 2010-2011

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
98,057,904,736	104,845,500,000	535,067,949	0	0	0	0	203,438,472,685

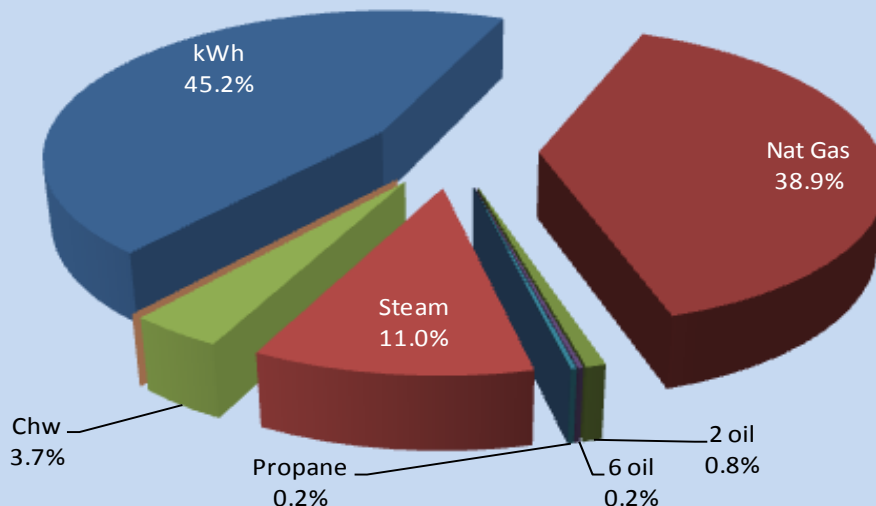
## 2010-11 Winston Salem State University Utility Distribution by Fuel Type



UNC System Btu by Fuel Type 2010-2011

kWH	NG	2Oil	6Oil	Propane	Steam	CHW	Total Btu
4,631,331,556,856	3,993,176,408,800	79,855,119,007	21,044,238,943	23,401,556,122	1,123,287,738,000	382,712,575,680	10,254,809,193,407

## 2010-11 UNC Summary Schools Utility Distribution by Fuel Type



# Winston Salem State University

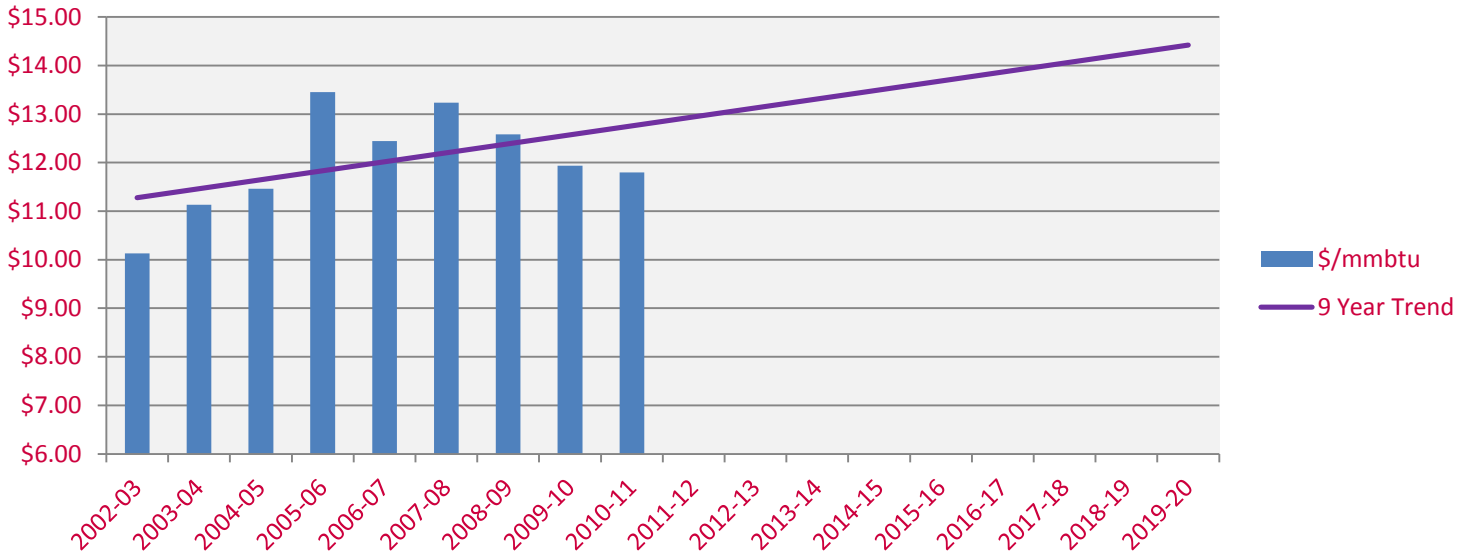
## 9 Year Energy Evaluation 2002-2011 & Trend Through 2020



Winston Salem State University Energy \$/mmbtu

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
\$ 10.13	\$ 11.13	\$ 11.46	\$ 13.45	\$ 12.44	\$ 13.24	\$ 12.58	\$ 11.94	\$ 11.80

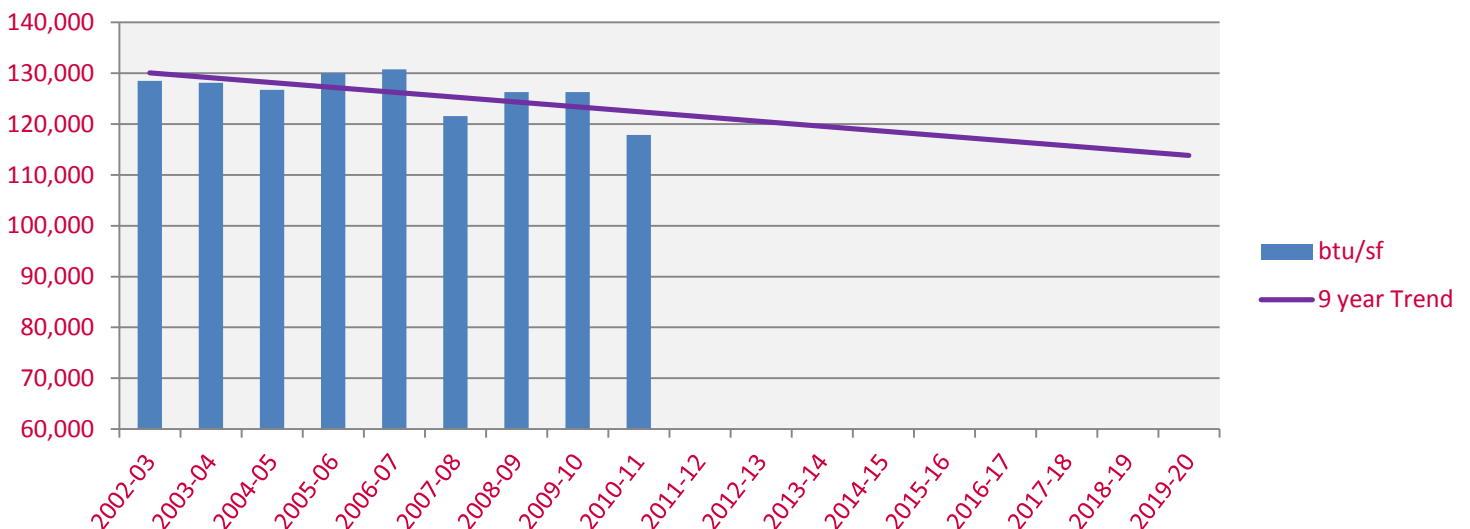
### Winston Salem State University \$/mmbtu



Winston Salem State University Energy btu/sf

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
128,465	128,078	126,701	129,999	130,761	121,529	126,251	126,277	117,861

### Winston Salem State University btu/sf



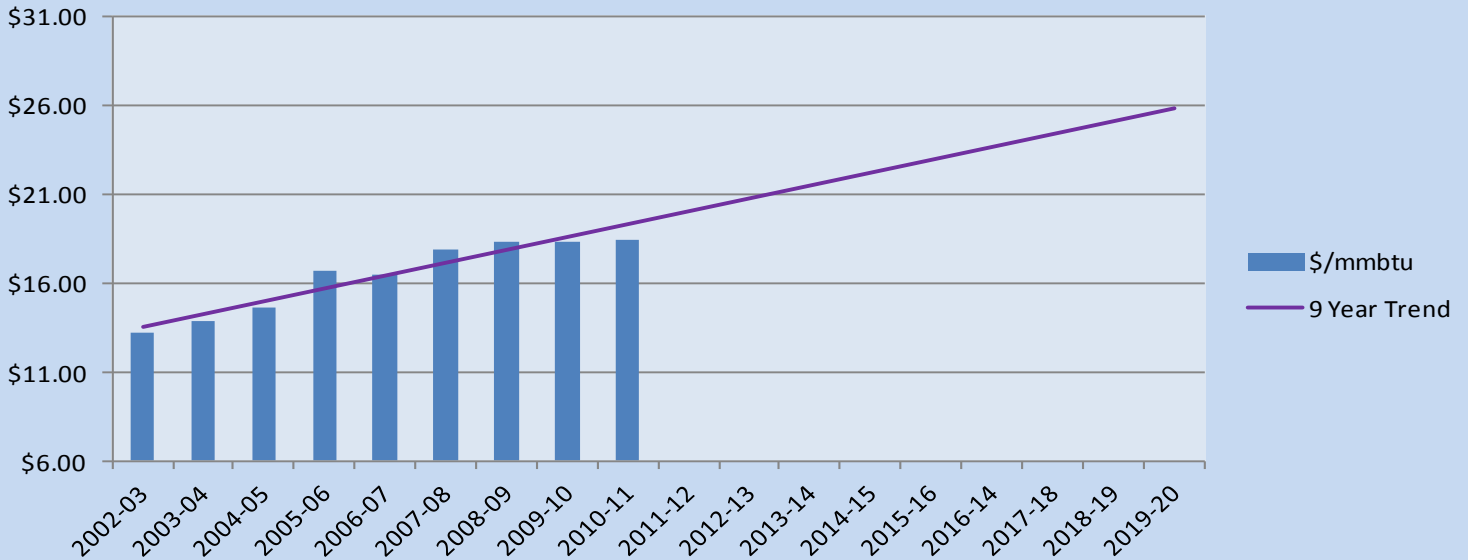
# UNC System Summary

## 9 Year Energy Evaluation 2003-2011 & 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

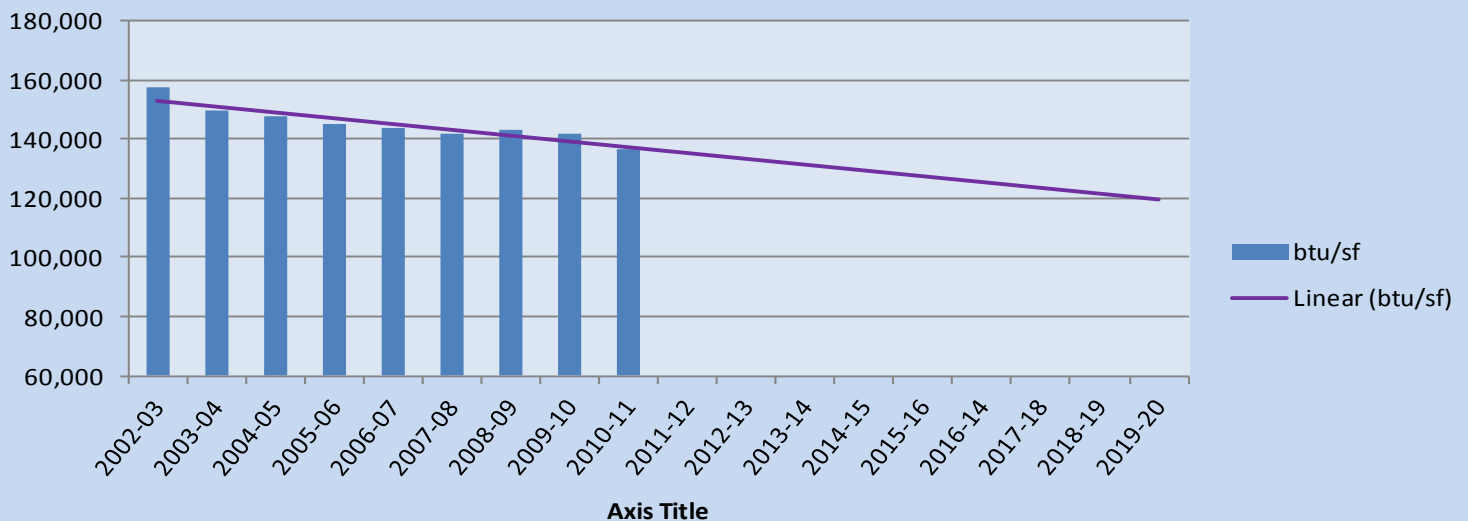
### UNC System Summary \$/mmbtu



### UNC System Energy Btu/sf

2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
157,303	149,399	147,782	144,975	144,054	141,779	143,423	141,569	136,362

### UNC System Summary btu/sf



# UNC System Summary

Btu/gsf and % Reduction

