



# UNC Energy Leadership Challenge

Appalachian Energy Summit  
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N.C. DIVISION OF  
ENVIRONMENTAL ASSISTANCE  
AND CUSTOMER SERVICE



# Utilities at a glance

Metric	Baseline 2002-2003	Current 2013-2014	% change
Gross square feet	71,562,179	134,962,064	89%
Btu per square foot per year	164,581	116,012	-30%
Cost per million Btu	\$12.59	\$19.04	51%
Avoided Energy Costs		\$749,738,289	
Water gallons per gsf	55.26	33.49	-39%
Water cost per kgal	\$3.25	\$10.17	212%
Avoided Water costs		\$158,591,123	
<b>Total Cumulative Avoided Cost</b>		<b>\$908,329,412</b>	



# 2014 UNC Utilities at a Glance

Metric	Baseline 2003-2004	Current 2013-2014	% change
Gross square feet	55,832,219	84,829,056	34%
Btu per square foot per year	169,641	121,775	-28%
Cost per million Btu	\$12.98	\$20.54	58%
2014 Avoided Energy Costs		\$83,405,926	
Water gallons per gsf	51.20	26.29	-49%
Water cost per kgal	\$3.68	\$9.39	155%
Avoided Water costs		\$19,844,208	
<b>Total Annual Avoided Cost</b>		<b>\$103,250,139</b>	



# Cumulative UNC Utilities at a Glance

Metric	Baseline 2003-2004	Current 2013-2014	% change
Gross square feet	55,832,219	84,829,056	34%
Btu per square foot per year	169,641	121,759	-28%
Cost per million Btu	\$12.98	\$20.54	58%
Avoided Energy Costs		\$397,666,669	
Water gallons per gsf	51.20	26.29	-49%
Water cost per kgal	\$3.68	\$9.39	155%
Avoided Water costs		\$101,017,795	
<b>Total Cumulative Avoided Cost</b>		<b>\$498,684,464</b>	



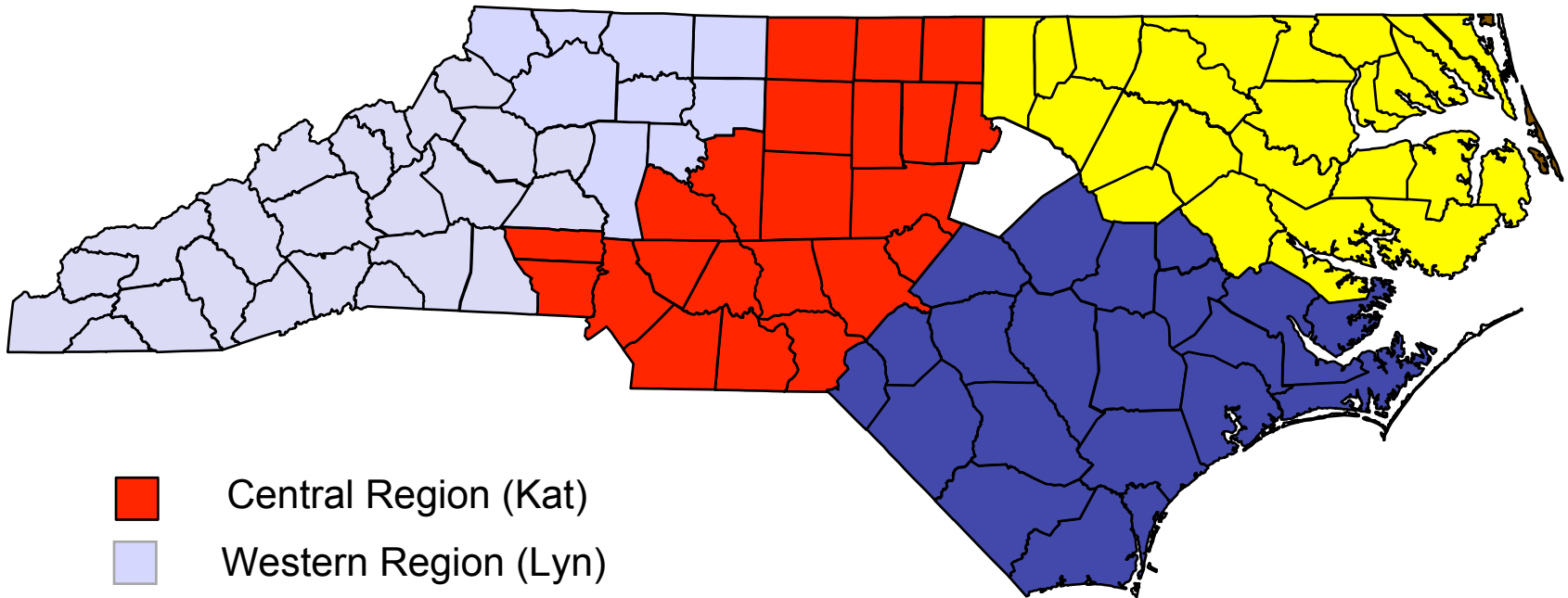
# Activities Supporting the Challenge

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- Working with Wake Tech CC to develop a building operator controls training curriculum
  - Proposed by both High-Performance Campus Design & Campus-Based Energy Efficiency
- Energy Manager list-serve established
- High performance building statistics on USI website
- Best practices for retro-commissioning being created



# USI Back to Full Strength



-  Central Region (Kat)
-  Western Region (Lyn)
-  Southeast Region (Renee)
-  Northeast Region (Kathy)
-  Unassigned



# Words of Wisdom

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*“Even if you’re on the right track, you’ll get run over if you just sit there.”*

*Mark Twain*