

# UNC Television

## Utilities at a Glance



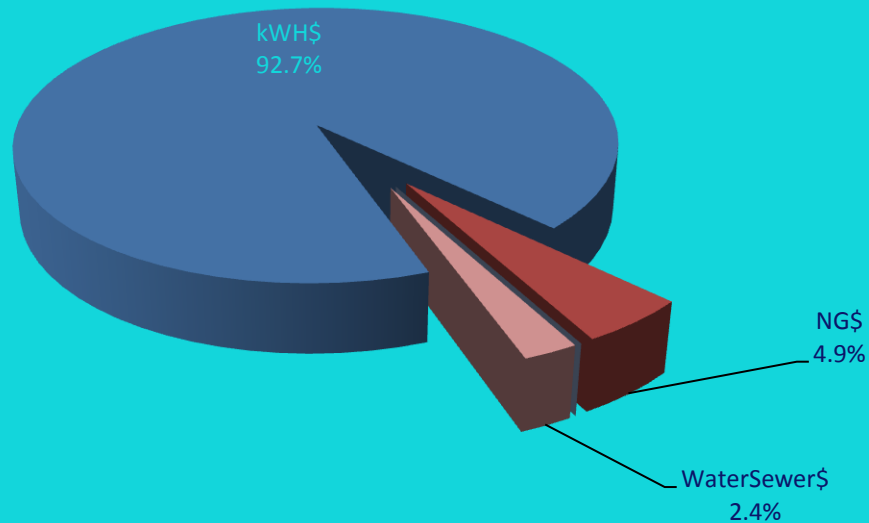
### UNC Television Utilities

| Metric                            | Baseline<br>2002-2003 | Current<br>2010-2011 | % change |
|-----------------------------------|-----------------------|----------------------|----------|
| Gross square feet                 | 107,576               | 110,576              | 3%       |
|                                   |                       |                      |          |
| Btu per square foot per year      | 971,260               | 612,419              | -37%     |
| Cost per million Btu              | \$ 14.44              | \$ 17.37             | 20%      |
| Total Avoided Cost                |                       | \$872,408.14         |          |
|                                   |                       |                      |          |
| Electric consumption in kWh       | 29,082,735            | 17,142,660           | -41%     |
| Electric Cost                     | \$ 1,466,501          | \$ 1,116,963         | -24%     |
|                                   |                       |                      |          |
| Natural Gas consumption in Therms | 52,540                | 92,281               | 76%      |
| Natural Gas Cost                  | \$ 41,916             | \$ 59,327            | 42%      |
|                                   |                       |                      |          |
| #2 Fuel oil gallons               | 0                     | 0                    | %        |
| #2 Fuel oil cost                  | \$ -                  | \$ -                 | %        |
|                                   |                       |                      |          |
| #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        | 1,755                 | 2,510                | 43%      |
| Water & Sewer cost                | \$ 8,393              | \$ 29,223            | 248%     |

### UNC Television Utilities Summary 2010-2011

| kWH\$        | NG\$      | 2Oil\$ | 6Oil\$ | Propane\$ | Steam\$ | CHW\$ | Wtr Sewer\$ | Total Utility \$ |
|--------------|-----------|--------|--------|-----------|---------|-------|-------------|------------------|
| \$ 1,116,963 | \$ 59,327 | \$ -   | \$ -   | \$ -      | \$ -    | \$ -  | \$ 29,223   | \$ 1,205,513     |

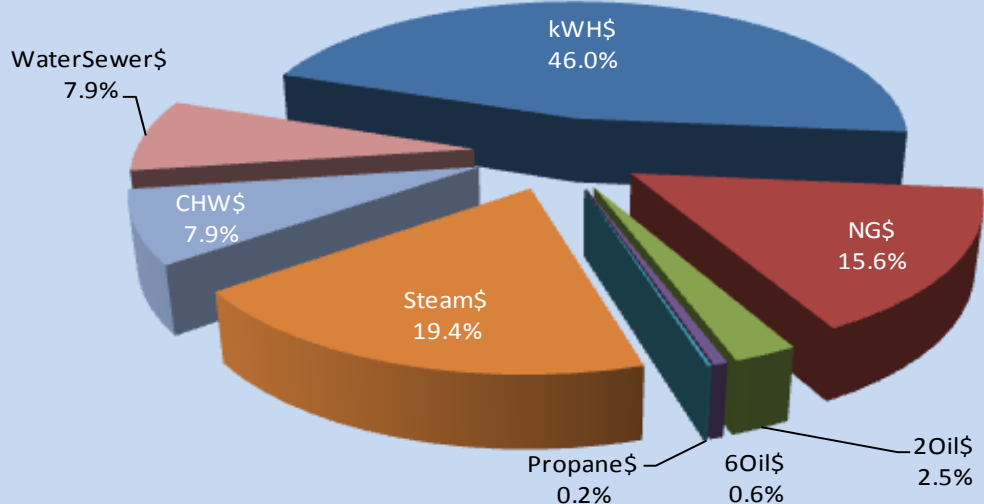
### 2010-11 UNC Television Utility Cost Distribution



### 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



# UNC Television

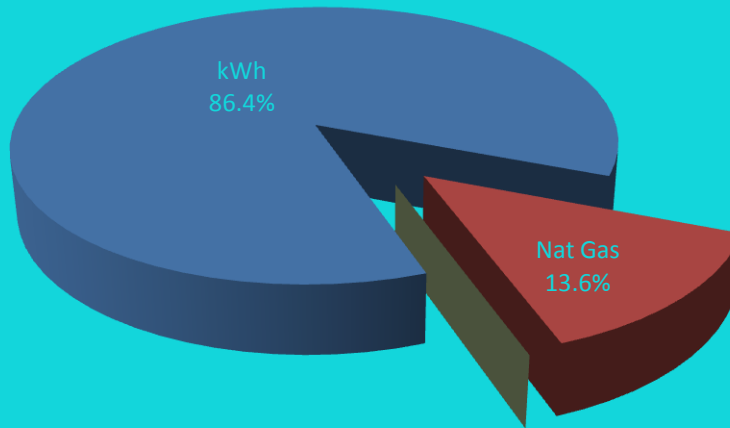
Year End Btu by Fuel Type for 2010-2011



UNC Television Btu by Fuel Type 2010-2011

| kWH            | NG            | 2Oil | 6Oil | Propane | Steam | CHW | Total Btu      |
|----------------|---------------|------|------|---------|-------|-----|----------------|
| 58,490,755,920 | 9,228,100,000 | 0    | 0    | 0       | 0     | 0   | 67,718,855,920 |

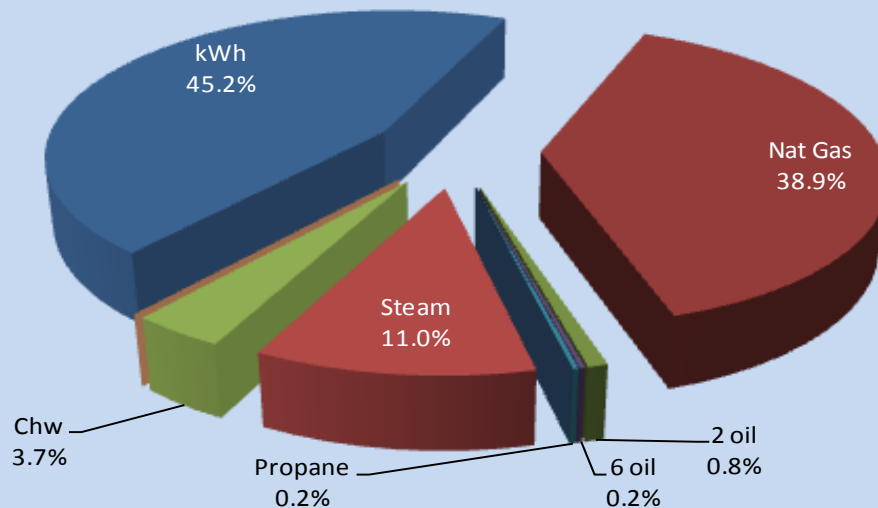
## 2010-11 UNC Television Utility Distribution by Fuel Type



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



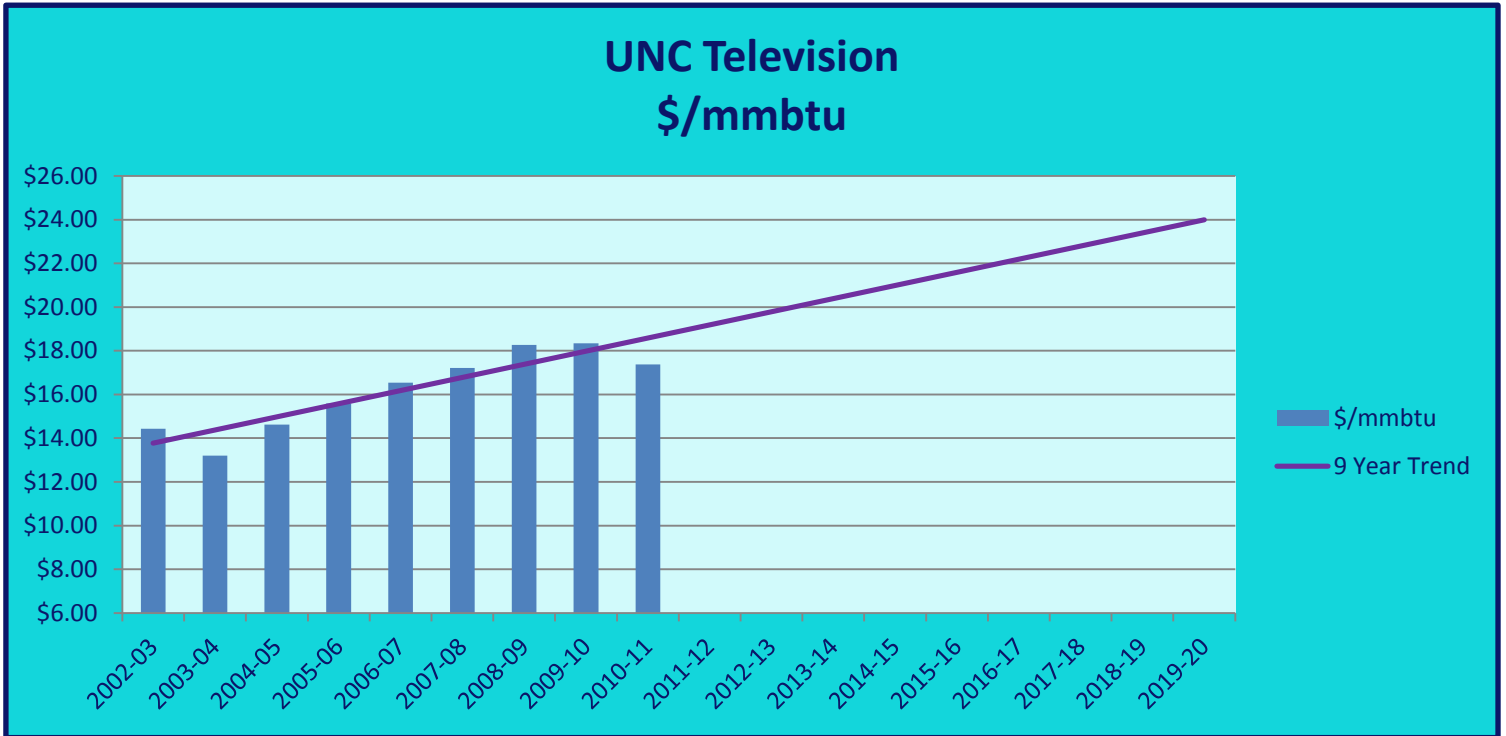
# UNC Television

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



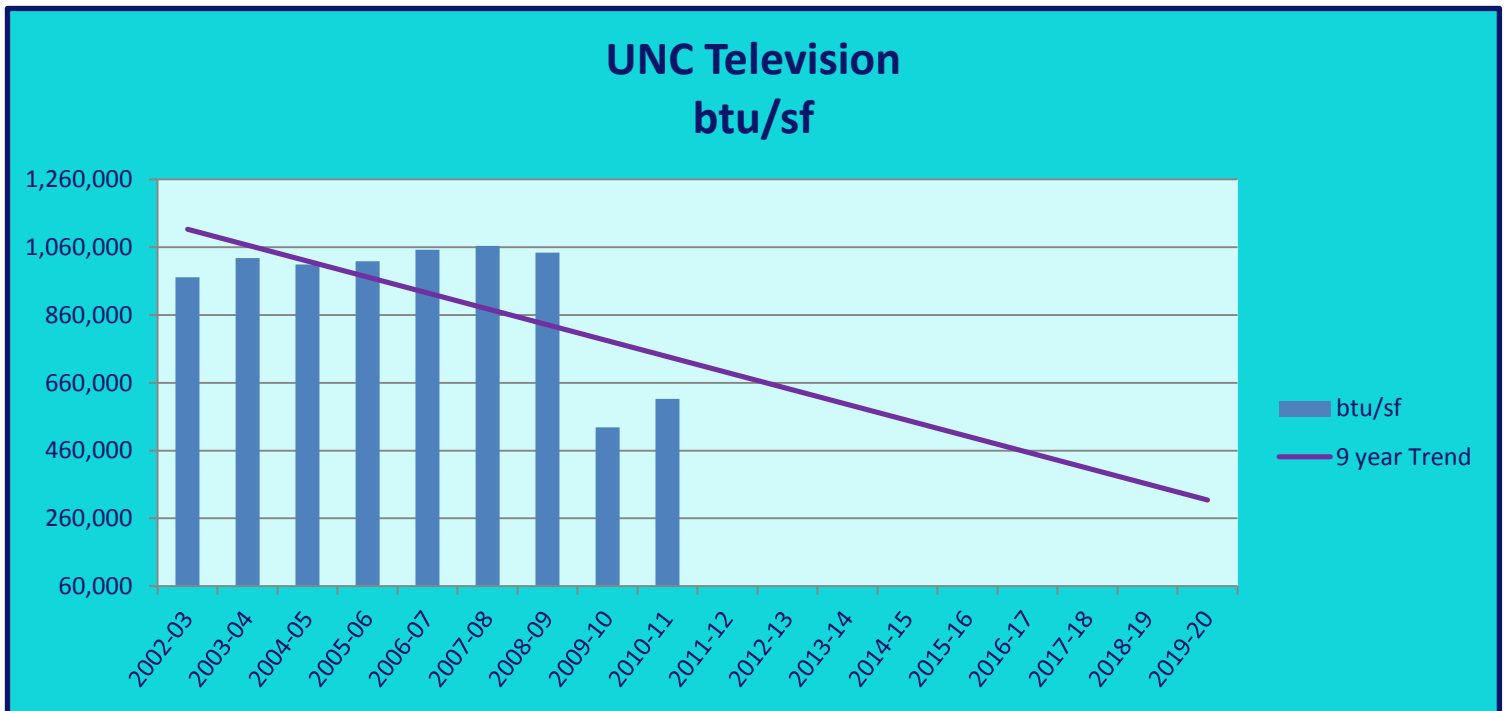
UNC Television Energy \$/mmbtu

| 2002-03  | 2003-04  | 2004-05  | 2005-06  | 2006-07  | 2007-08  | 2008-09  | 2009-10  | 2010-11  |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| \$ 14.44 | \$ 13.21 | \$ 14.62 | \$ 15.59 | \$ 16.53 | \$ 17.22 | \$ 18.28 | \$ 18.35 | \$ 17.37 |



UNC Television Energy btu/sf

| 2002-03 | 2003-04   | 2004-05   | 2005-06   | 2006-07   | 2007-08   | 2008-09   | 2009-10 | 2010-11 |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|
| 971,260 | 1,027,793 | 1,008,907 | 1,018,068 | 1,051,965 | 1,063,532 | 1,043,460 | 528,315 | 612,419 |



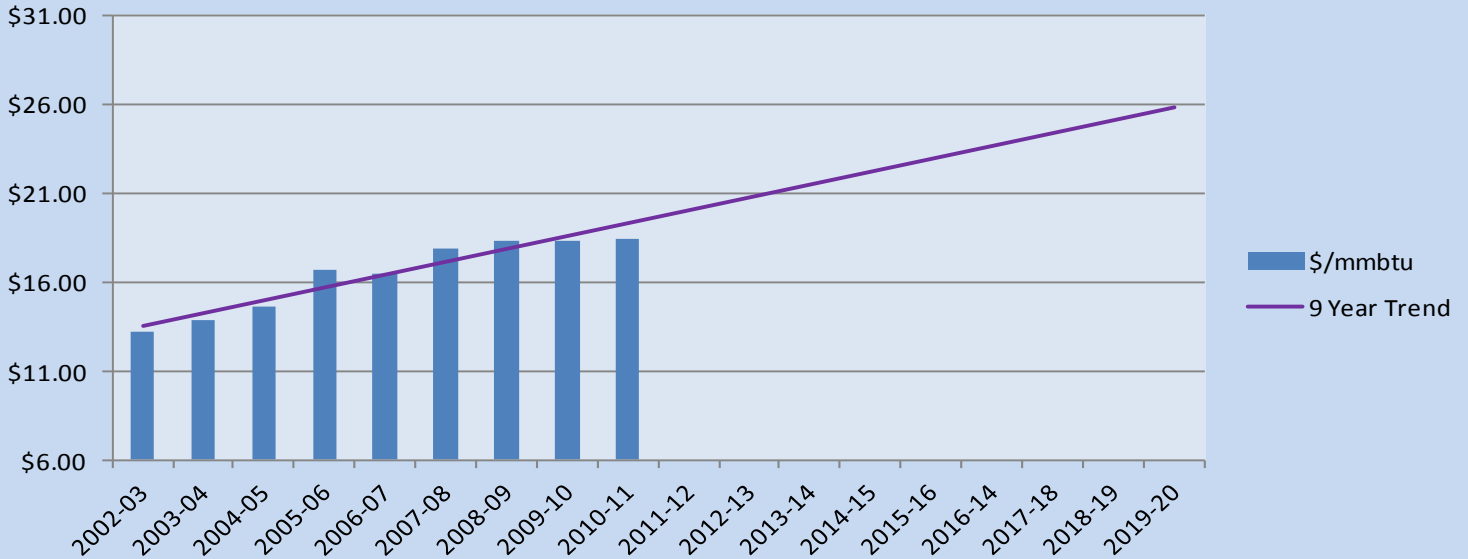
# UNC System Summary

## 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 |

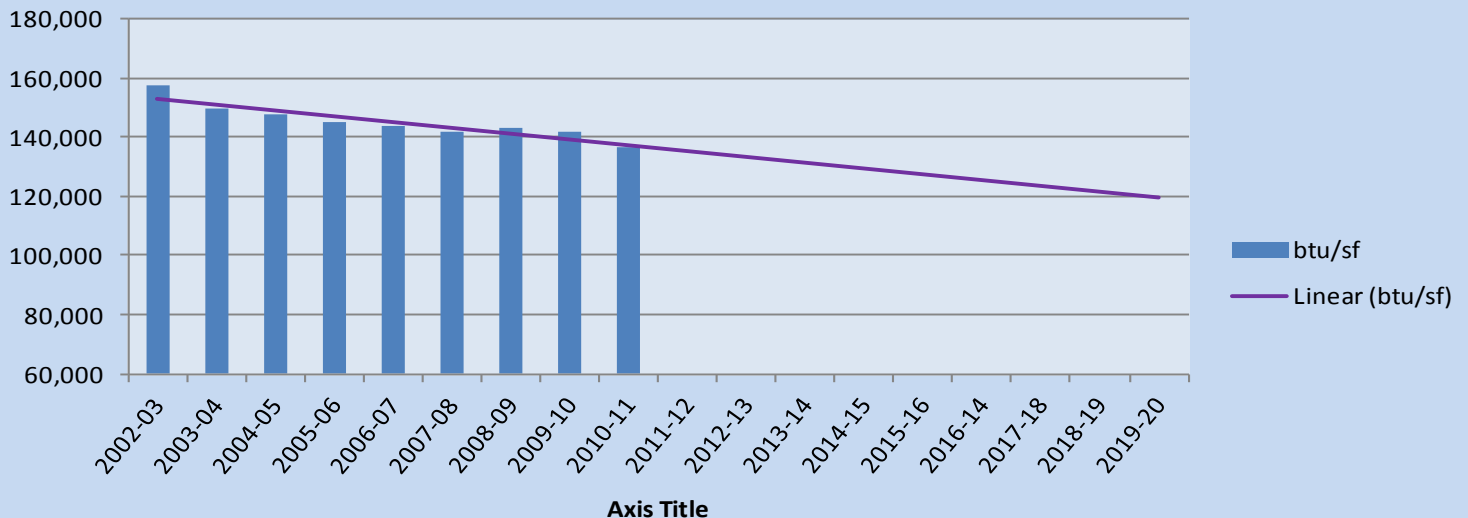
### UNC System Summary \$/mmbtu



### 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

