

Energy Management Program



District Energy Manager Certification

- Energy management training has been provided through Cenergistic, Duke Energy, the SC Energy Office, Association of South Carolina Energy Managers and Association of Energy Engineers.
- This has led to the following ANSI-Accredited international certifications:
- Certified Energy Manager
- Certified Energy Auditor



20% by 2020 Legislation

- State Agencies and public school districts shall submit an energy conservation plan to the SC Energy Office by July 1, 2008
- The primary goal of this plan is to reduce energy consumption by 20% by 2020 based on FY 2000 data
- District energy managers are responsible for submitting consumption data to the SC Energy Office each year

District Five Energy Plan

- Behavior-Based Management-
 - Encourages all staff to be good stewards of our resources through wise use of energy only when needed.
- High Efficiency Upgrades
 - Replacing outdated lighting with state of the art LED retrofits
 - Replacing equipment as needed with high efficiency components

Equipment Upgrades

- Since the stimulus lighting project at BFA:
 - 204 fluorescent fixtures have been replaced with LED retrofit kits
 - 30 incandescent exit light fixtures have been replaced with LED models
 - 24 old technology emergency lights have been replaced with LED models
 - 3 aging cooling towers have been replaced with newer more efficient models
 - 4 very old air conditioning units have been replaced with new high efficiency models
 - 6 old large gas powered water heaters have been replaced by modern high efficiency units.

Overall Savings History

- Savings to Date (Through June 30 2016)
- \$3,482,225.00
- Recent Annual Savings

| Fiscal Year | Cost Avoidance \$ | Cost Avoidance % |
|-------------|-------------------|------------------|
| 2015-16 | \$315,000.00 | 18.90% |
| 2014-15 | \$399,000.00 | 23.50% |
| 2013-14 | \$348,000.00 | 21.60% |
| 2012-13 | \$292,000.00 | 19.40% |
| 2011-12 | \$269,000.00 | 17.90% |

Accomplishments

- Energy Reduction Milestone Achievement
 - Maintain 20% reduction for 2 years
- NetZero Midstream Partner



Future Opportunities

- Seek Energy Star Status for all district buildings
- Maintain focus on a saving culture