



# BUNCOMBE COUNTY SCHOOLS ENERGY MANAGEMENT

Buncombe County Schools County Wide LED Retrofit Project

Number of buildings: 38

Approximate number of lights to retrofit: 47,000

*(Administration, Cane Creek Middle, Estes Elementary, Owen High School in progress)*

Timeline: 2-year project

Option 1: Purchase Lights and Pay Contractor

Installation cost: \$1,475,160

Cost of fixtures: \$5,545,057

**Option 1 total cost: \$7,020,217**

Option 2: Purchase Lights and BCS Hires (2) Electricians who install for 2 years

Installation Cost: \$114,500

Cost of fixtures: \$5,545,057

**Option 2 total cost: \$5,659,557**

**Less Total Cost Using Option 2: \$1,360,660**

Total DEP Rebate: \$2,345,992

- Based on current \$50/fixture rebate. *This is rebate will likely change April 1st 2018 and could increase or decrease.*

Total estimated energy savings per year completing all 38 buildings: \$855,500

Total estimated maintenance savings per year completing all 38 buildings: \$55,500

- Includes cost of fluorescent bulbs, electronic ballasts, BCS staff time, and disposal storage fees.

**>TOTAL ESTIMATED ANNUAL ENERGY AND MAINTENANCE SAVINGS: \$911,000**

Payback with Option 1: 5.1 years

Payback with Option 2: 3.6 years

For more details, please feel free to contact Buncombe County School's Energy Manager:

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