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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