



# ANDERSON COUNTY SCHOOLS

ANDERSON, TN



## SAFETY RECORD

ZERO Recordable Events



## PROJECT SIZE

17 schools

Phase I: \$9.7M

Phase II: \$11.3M

Phase III: \$4.9M

Anderson County Schools (ACS) struggled with aging infrastructure and high costs throughout their campus and were looking for a partner to implement energy conservation measures without adding cost to taxpayers. In 2013, Anderson County Schools partnered with ESG to implement these measures. In 2018, ACS partnered with ESG once more to continue improvements throughout their campus and provide additional savings to the district.

## SOLUTION

### Phase I

- Indoor and Outdoor Lighting Upgrades
- Water Conservation Measures
- Advanced Energy Management Controls
- New Windows and Suspended Ceiling Systems
- Electric and Water Meter Monitoring, Reporting, and Analysis

### Phase II

- HVAC and Building Automation System Upgrades and Replacements
- Bi-polar Ionization Air Cleaning Technology for all classroom HVAC units
- Installation of a Computerized Maintenance Management Software System
- Equipment Inventory and Barcode Tagging, and Consulting Services to maximize system utilization
- Comprehensive Light Emitting Diode (LED) upgrades, Full RGB Color Control Special Education Lighting in 41 classrooms, Football field Lighting Replacements
- Improved Locking and Security Systems by installed Card Access Control for all classroom doors and 43 exterior locations and New Lock Cores on interior and exterior doors to a grand master key system





## CONTRACT METHOD ESPC



## SAVINGS INFORMATION

Phase I: Energy and operational savings over \$620K annually, \$11.7M total (15 years)

Phase II: Energy and operational savings over \$744K annually (20 years)

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## Phase III

Phase III of work at Anderson County Schools was able to be funded through ESSER dollars and will provide the district with additional energy savings. Currently, the district is able to save \$1.2M annually in electric, fuel, and water costs. The majority of the district facilities are now Energy Star qualified and Anderson County Schools is one of the most efficient in the state of Tennessee.

- HVAC Replacement and redesign at two schools
- Modular Outdoor Boiler System at one school
- Window Replacement and Facade Upgrades at three schools
- Roller Shades for all new windows
- Suspended Ceiling Infrastructure
- Ionization Systems for all common area HVAC units
- Architectural Design work for future phase upgrades

## RESULTS

Through these three phases of work at Anderson County Schools, the district has revitalized and modernized the infrastructure at its 17 schools. They will reduce their carbon footprint by over 4,800 metric tons of carbon dioxide, which is equivalent to planting 1,600 acres of forest.

To learn more, visit [www.energysystemsgroup.com/anderson/](http://www.energysystemsgroup.com/anderson/)

