

Brunswick City Schools



Project at a Glance

Type of Project:

Performance Contract

Project Location:

Bolivia, North Carolina

Project Cost:

\$16,957,562

Annual Savings:

\$942,087

Scope of Work:

1. T8 to LED Conversion
2. Exterior & Gym Lighting Retrofit
3. Building Envelope Weatherization
4. HVAC Replacement
5. Energy Management System
6. Water Conservation Measures
7. Plug-Load Controls
8. Solar Picnic Tables

Role of the Responder:

Energy Services Company

Construction Dates:

August 2017 – Ongoing

Project Term:

18 Years

Project Beginning and End dates:

2017-2036

Contact Information:

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Project Description

Brunswick County Schools maintains over 2 million square feet of facilities for their students. Twelve sites still heated their buildings with fuel oil, an expensive and messy energy source. Schneider Electric converted all of these schools to either natural gas or propane, in order to eliminate their use of fuel oil. Converting to natural gas or propane also gave Brunswick County Schools the opportunity to get various new heating system upgrades and refurbishments.

Brunswick County Schools converted their interior and exterior lighting to LED throughout the district. Much of their energy savings came from a comprehensive lighting upgrade. To expand upon lighting savings, four schools received occupancy sensors in areas where data loggers justified the investment financially.

Brunswick County Schools had been dealing with deferred maintenance on hundreds of units across the district for years. Schneider Electric is replacing 26 gas-fired packaged rooftop units across five different schools, to take these units off the district's deferred maintenance list.

Finally, district administration wanted a way that students could engage with this project. Schneider Electric identified the opportunity to provide solar picnic tables to all three high schools, allowing students to harness solar technology to charge their devices.