WILKES-BARRE AREA SCHOOL DISTRICT

LUZERNE COUNTY, PENNSYLVANIA | ENERGY PERFORMANCE AGREEMENT

Brewer-Garrett

SIZE
180,000 sq. ft.

PHASE I COST
$20,076,093

PHASE I GUARANTEED ENERGY SAVINGS
$19,994,898

GUARANTEE PERIOD
18 Years

DURATION
15 Months

SCOPE

- Boiler replacement
- Lighting
- Grid Replacement
- Air Handling Unit (AHU) replacement
- Roof Top Unit (RTU) replacement
- Distributionpanel replacement
- VAV replacement



Wilkes-Barre Area School District in Luzerne County, Pennsylvania spans 123 miles and contains twelve school buildings, four of which are undergoing renovations. In addition to traditional school buildings, the district also offers academies for cyber, creative and performing arts, business, and STEM. Through a competitive process, the district engaged Brewer-Garrett (**BG**) on an energy savings project to achieve reductions in energy consumption in two schools. Although this project is complete, Wilkes-Barre has chosen to move forward with BG on an additional phase consisting of two more schools.

BG removed the existing boilers from GAR Middle School and replacing them with three new condensing boilers. The new boilers are significantly smaller and will fit within the footprint of just one of the current boilers.

BG replaced 20 air handling units (AHUs) at GAR Middle School and 14 AHUs at Kistler elementary school. While we worked on multiple schools for the District, GAR Middle School required extra care due to the historical nature of the building. In general, accessibility around the AHUs was a challenge as the middle school was constructed during a renovation that built the school around the AHUs.

BG replaced 100% of the hydronic piping for GAR Middle School. This portion of the project took place over 180,000 square feet and needed to be completed in nine weeks. Once completed, BG conserved water consumption as well as the time and money that was utilized to address those leaks individually.

BG replaced interior LED lighting in Kistler Elementary and limited interior LED lighting at GAR Middle School, focusing on the school auditorium. Additionally, there was a complete replacement of all drop ceilings.

