

# ENERGY PERFORMANCE CONTRACT CASE STUDY

## New Castle County Vo-Tech 2024



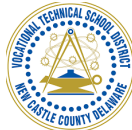
### AT A GLANCE

#### Energy Conservation Measures

- Boiler Replacement
- Building Envelope Weatherization
- Controls Optimization
- Controls Upgrade
- HVAC System Improvements
- Lighting Retrofit
- Mechanical Insulation
- Solar Power
- UVGI Systems
- Water Retrofit

#### Project Stats

- 2,992,198 Guaranteed kWh Savings
- 107,762 Guaranteed Therms Savings
- 2,622 Guaranteed kGal Savings
- Will cut New Castle County Vo-Tech's carbon footprint by up to 25%.



### PROJECT OVERVIEW

St. Georges Technical High School implemented a 750 kW solar project paired with district-wide energy efficiency upgrades—including LED lighting, building envelope improvements, water-saving measures, and a boiler replacement. The solar arrays were installed across two campus buildings and an open field section, maximizing available space.

Through Energize Delaware's Solar for Schools program, the district secured \$10.45 million in loans and rebates to fund three solar arrays at the school. The loan will be fully repaid using energy cost savings generated by the new system, allowing the district to modernize infrastructure without increasing its budget.

