



Empowering you to make smart energy choices

**“We are all enjoying a better work environment and there’s little maintenance. The savings we achieve will allow us to invest back into our students.”**  
Headmaster, Dr. Frank LaGrotteria

## Historic Bridgeport school brought back to life

Bridgeport International Academy (BIA), built in 1886 as a school for female workers at an adjacent factory, has made major updates to its facility’s energy infrastructure. These measures coincide with the school’s teachings on conservation.

Through lighting, controls and heating system upgrades, the team replaced 21 of the 40 water source heat pumps and three-split system, many of which were constantly failing or in need of repair. Significant savings have been achieved now that teachers and staff have the ability to control temperature and lighting in classrooms from phones or laptops.

Program managers from United Illuminating helped the school identify and secure \$89,289 in financial incentives available through Energize Connecticut programs. The project has an expected 11-year payback period with an estimated annual energy savings of \$28,750 (191,659 kWh), achieved through the upgrades.

The project was financed by RENEW Energy Partners with key support from the Connecticut Green Bank, who provided \$130,000 in low interest financing.

- Project:** Bridgeport International Academy
- Measures:** Upgraded to LED interior lighting, installed variable frequency drives and energy management system. Replacement of 21 of the 40 water source heat pumps and added three-split HVAC systems.
- Fund Incentive:** **\$89,289**
- Energy Savings:** **191,659 kWh** electricity/year  
**301 ccf** natural gas/year
- Estimated Cost Savings:** **\$28,750** electricity/year  
**\$376** natural gas/year

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