



CITY OF WATERBURY

Waterbury, CT

Leaders at the City of Waterbury mobilized around a potential challenge to heating season operations, and now the future for the city's buildings and infrastructure literally looks brighter.

When the City of Waterbury faced challenges with aging buildings and inefficient energy-related building systems, the city and its energy consultant, the ECG Group, identified an energy savings performance contract (ESPC) as the best solution. The city selected NORESKO following a comprehensive request for proposal and evaluation process. NORESKO's balanced approach to the city's issues prioritized the most critical infrastructure with the most financially beneficial actions. The result was a comprehensive, timely project funded largely by guaranteed, reduced energy consumption.

Within one summer, NORESKO developed a fast-track mobilization plan to replace aged heating systems in danger of failing or not being operational before the upcoming heating season. A total of 23 steam boilers and 8 hot water boilers were installed and commissioned in city and school buildings to mitigate the risk of equipment failure.

NORESKO also recognized the value of supporting local economic growth, developing this project with community workforce development goals in mind, as envisioned by the city's *Good Jobs Ordinance*.

A second project phase converted 7,118 street lights to LED technology.

The City of Waterbury's ESPC ranks among the largest ever performed for a Connecticut municipality. The city's commitment to the NORESKO project enabled critically needed improvements to facilities, brightened the city's streetscape, and supported local economic objectives.

Project Cost: \$31.1 million

Annual Cost Savings: \$2,702,022

Total Incentives: \$4,567,623

Contract Term: 15-Year

Contract Type: ESPC

Technical Highlights:

- Steam boilers, hot water boilers, and pool heating systems
- New LED streetlighting
- Interior and exterior LED lighting improvements and controls
- Variable speed chillers and pumps
- Air-handling unit damper refurbishment
- Energy management system upgrades and expansion
- Building weatherization and pipe and fitting insulation
- Steam traps and thermostatic radiator valves
- Plug load and walk-in cooler controls
- New electrical switchgear and backup power

"We have a long and successful history working with the City of Waterbury on a variety of energy-efficiency initiatives and we're thrilled we could again provide our energy expertise and financial incentives to help bring this project to fruition."

Tilak Subrahmanian
Vice President of Energy Efficiency
Eversource

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