



CITY OF WATERBURY

Waterbury, CT

Following implementation of an energy savings performance contract (ESPC), the City of Waterbury achieved even more savings and efficiencies through O&M services, energy procurement, building commissioning and technical advisory services provided by NORESKO.

The City of Waterbury began its multifaceted energy partnership with NORESKO in 2016. Founded on ESPC work, the original project included a fast-tracked mobilization over one summer to replace 31 aged heating systems in danger of failing before the upcoming heating season. The project implementation costs were offset by guaranteed, reduced energy consumption. In 2019, a second project phase converted more than 7,100 streetlights throughout the city to LED technology, delivering both enhanced lighting and additional savings. As part of the ESPC projects, NORESKO secured over \$4.5 million in utility incentives on the city's behalf.

The city's Good Jobs Ordinance applied to the work and aimed to create jobs within the community. NORESKO developed projects with these community workforce goals in mind and ensured that local subcontractors followed suit.

NORESKO has also helped the city optimize its energy use, ensure savings persistence, and deliver additional savings through energy procurement and management strategies. Highlights include the successful delivery of a real-time, competitive energy sourcing process via online reverse auction, and millions of dollars in additional cost savings vs. the utility's standard offer service.

Most recently, the city engaged NORESKO for technical advisory and commissioning services to ensure optimal design and operation of more than 20 different Elementary and Secondary School Emergency Relief (ESSER) funded capital projects. Commissioning has encompassed a broad range of technologies including HVAC, lighting controls, emergency power, water/wastewater and automation systems.

ESPC Project Cost: \$31.1 million

Annual ESPC Cost Savings: \$2.1 million

Utility Incentives: \$4.6 million

Total Other Services: \$3.1 million

Include technical advisory, energy procurement, commissioning, measurement & verification and operations & maintenance services

Technical Highlights:

- 31 new boilers, pumps and condensate tanks, extensive steam trap repair and replacement, asbestos abatement work and removal of old equipment
- City-wide building and streetlight LED lighting
- Variable speed chillers and pumps
- New energy management systems and expansions
- Additional savings from energy procurement, commissioning, and other services

"NORESKO's team was very knowledgeable, professional and accountable throughout a multi-year project completed on time and within budget. City leaders and the Board of Education were very pleased with the overall success of the project."

Michael LeBlanc

City of Waterbury Director of Finance

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