

Lapham Hickey Steel

PAWCATUCK, CONNECTICUT



Before

After

SERVICES PROVIDED FOR THIS CLIENT:



BUILDING AUTOMATION



SECURITY



LIFE SAFETY



ENERGY SOLUTIONS



AUDIO VISUAL



MECHANICAL SERVICES

Lapham Hickey Steel is a family-owned full steel line service center for steel, inventory management, and value-added service needs, offering a spring steel stock and coil processing and manufacturing services. Headquartered in Chicago with multiple offices through the country, they maintain a 61,000 square feet facility running one shift in Pawcatuck, Connecticut.

CHALLENGE

ESC was tasked with developing a comprehensive energy efficiency project that would address the needs of the building's aging mechanical systems, while improving plant efficiency and performance and optimizing employee comfort.

SOLUTION

Over 200 LED lighting fixtures with integrated occupancy and dimming controls were installed. A high efficiency rotary screw air compressor with a Variable Speed, Variable Frequency Drive and premium Totally Enclosed, Fan-Cooled (TEFC) motor was installed, as well as two high efficiency rooftop HVAC units equipped with Variable Frequency Drives (VFD's), dual enthalpy economizer optimization, demand CO₂ ventilation and programmable thermostats.

RESULTS

ESC delivered a turn-key project that secured an Eversource Energy **incentive of nearly \$86,000, which represents 61% of the total project cost and was financed with a no interest energy loan with no capital outlay, which generates net positive cash flow over the three year term** that can be used for operating capital. The upgrades will save Lapham-Hickey Steel \$19,000 annually on gas and electric expenses and an estimated \$256,000 over the life of the equipment, while offering improved plant performance and increased light quality and comfort for the employees.

CLIENT

Lapham Hickey Steel

CLIENT REFERENCE

Mike Mussatto
General Manager

PROJECT LOCATION

28 Hickey Drive, Pawcatuck, CT

SCOPE OF THE PROJECT

LED Lighting, Air Compressor, HVAC

PROJECT TYPE

Energy Services

PROJECT SIZE

200 LED lighting fixtures, 2 high efficiency rooftop HVAC units, 1 high efficiency rotary screw air compressor

BUILDING TYPE

Manufacturing

ESC TEAM MEMBERS/ROLES

Patrick Burns, Account Manager
Daniela Iozzo, Project Manager