

Energy Performance Contracting

Executive Summary

The Town of Enfield researched potential energy and infrastructure improvements starting in the spring of 2014. The goal of the Town was to provide and fund energy and infrastructure improvements through the current energy and operational savings without asking residents to pay for any of the upgrades. Municipalities across Connecticut and New England have utilized energy performance contracting to achieve guaranteed energy savings, reduce their carbon footprint and utilize a state-approved process to improve their facilities. Numerous bids were evaluated and with the assistance of Peregrine Energy, the Town’s energy consultant, Honeywell was chosen as the Town’s energy partner. Honeywell has followed a process where site surveys, building interviews, data logging of the Town’s end use equipment and verification of three years of energy data were evaluated. Numerous infrastructure and energy savings measures were reviewed and presented to the Town’s facilities and administration along with Peregrine. The benefits of these measures that will be undertaken will save the Town 18% for Town Buildings, 47% for School Buildings, and 35% for Street Lighting of our energy bill baseline. **These energy and operational savings will then pay for the cost of the projects over the term, guaranteed.** Based on the audit findings and Honeywell’s extensive experience in working with municipalities, Honeywell will deliver a financially viable, comprehensive solution to address energy and infrastructure concerns.

Projects and Buildings receiving improvements:

ESM No.	ESM Description	Emergency Medical Services	Enfield Senior Center	Pearl Street Library	Central Library	Lamagna Activity Center	Enfield Town Hall	Department of Public Works	Enfield Police Department	Adult Day Care	Family Resource Center	Village Center of Thompsonville	Building and Grounds	JFK Middle School	Ell Whitney School	Hazardville Memorial School	Nathan Hale School	Henry Barnard School	Edgar Parkman School	Prudence Crandall School	Enfield Street School	Thomas Alcorn School	Harrist Beecher Stowe School	Head Start	Street Lighting
1	Lighting and Lighting Controls (LED)	X	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	
2	Street Lighting Upgrades																								X
3	Boiler Replacements & Pump Upgrades				X		X			X				X	X										
4	Replace Multi-Zone AHU and Cooling System				X																				
5	Building Management System Upgrades		X		X	X	X	X		X	X			X	X	X	X	X	X	X	X	X	X	X	X
6	Building Envelope Improvements	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
7	Water Conservation	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X
8	Walk-In Freezer/Cooler Controls													X											
9	Desktop Computer Power Management	X	X	X	X	X	X	X		X	X		X	X	X	X	X	X	X	X	X	X	X	X	X
10	Computer Peripheral Power Management													X	X	X	X	X	X	X	X	X	X	X	
11	Plug Load Power Management													X	X	X	X	X	X	X	X	X	X	X	
12	Pipe Insulation			X		X	X							X	X		X	X	X	X	X	X	X	X	

The project implementation is scheduled to be fifteen (15) to eighteen (18) months in duration and includes work next summer.

