

Energy Efficient Boilers, Energy Efficient Lighting, Controls and Building Envelope Improvements

Reduce Energy Consumption And Improve Comfort



609-611-615 Palmer Road Owners Corporation buildings are located in Yonkers; NY is a cooperative apartment complex consisting of three similar multi-story apartment buildings. The common area expenses include lighting, steam heating and domestic hot water production. Individual tenants pay for electric and cooking gas separate from the common area heating, lighting and domestic hot water production. The New York State Energy Research and Development Authority worked with 609-611-615 Palmer Road Owners Corporation to help reduce building operational costs and save energy through the co-funding of a comprehensive energy audit.

Project Objectives

The objective of the comprehensive energy audit was to identify energy efficient alternatives to providing existing site lighting, building heating, building domestic hot water production, making improvements to the existing building envelope and analyzing the existing boiler heating controls and radiator controls throughout the facility. Through NYSERDA's Technical Assistance program, 609-611-615 Palmer Road Owners Corporation received a matching grant to have an engineering study completed for the evaluation of energy efficiency opportunities.

Measures Recommended

NYSERDA's study concluded that through eight recommended energy conservation measures that included: energy efficient lighting, lighting controls, energy efficient motors, energy efficient heating and hot water boilers thermostat controlled radiator steam valves, hot water piping insulation and infiltration improvements the facility could reduce electrical consumption by 25% and reduce facility utility costs by over 28%.

- Cost of Recommended Measures - \$865,640
- Energy Savings - \$ 71,749
- Simple Payback Years - 12.1

About the Technical Services Program

NYSERDA's Technical Assistance programs identify opportunities for New York businesses to increase competitiveness by using energy more efficiently and improving productivity. This project was funded under NYSERDA's New York Energy Smart program, which helps utility customers take advantage of opportunities to save energy that are emerging as a result of the newly deregulated, competitive utility industry. For more information about this and other NYSERDA programs, call Mr. Gregory Lampman at (518) 862-1090, ext. 3372, or visit the website at www.nyserdera.org