



Energy Efficiency Case Study

Brought to you by Columbia Gas

West Springfield School Department

West Springfield, MA

The West Springfield School District educates an average of 4,000 students from early childhood to 12 grade and maintains a central high school (grades 9-12), middle school (grades 6-8), and a number of elementary schools across the town. Managed by an independent school committee since 1827, the purpose of the West Springfield Public Schools is to educate all students, enabling them to experience the joy of reaching their full potential. Its core values include: learning through relevance and fun, educating for excellence, appreciating “a mind at a time”, respecting each other and nurturing responsibility.

Project Summary

In need of new heating equipment at the High School, the West Springfield School Department partnered with Columbia Gas of Massachusetts and TRANE (an Energy Service Company), to find energy savings through the investment in new high-efficiency natural gas boilers to replace their old inefficient models. The new boilers are projected to significantly lower heating costs while maintaining a comfortable educational environment for the students. The project is estimated to save the City approximately \$33,700 each year, which represents an approximate savings of 27,000 therms annually. The annual energy saved from this single project is enough to heat approximately 33 homes for one year.

“Our energy efficiency partnership with the West Springfield School Department results in very real savings to our customer. These savings translate into more money for student education and activities for the West Springfield school system.”

Derek M. Buchler, Energy Efficiency Manager
Columbia Gas of Massachusetts

Mass Save as a Strategic Partner

Whether you are building a new manufacturing facility, upgrading old, inefficient equipment or manage a property in need of energy improvements, the Sponsors of Mass Save will help you identify cost-effective energy efficiency improvements, provide technical assistance, and offer financial incentives in addition to interest-free loans to help kick-start your company's next big project. To learn about these and other commercial and industrial energy efficiency programs available, visit MassSave.com/Business.

Need

Old inefficient heating equipment in need of replacement

Solution

Installation of new energy efficient boilers

Total Project Cost

\$339,400

Mass Save Sponsor Incentives

\$48,600

W. Springfield Contribution

\$290,800

Simple Payback Period

8.6 years

Estimated Savings

\$33,700/year

Estimated Natural Gas Savings

27,000 therms

About Mass Save:

Mass Save® is a collaborative of Massachusetts' natural gas and electric utilities and energy efficiency service providers including Berkshire Gas, Blackstone Gas, Cape Light Compact, Columbia Gas, Eversource, Liberty Utilities, National Grid, and Until. We empower residents, businesses, and communities to make energy efficient upgrades by offering a wide range of services, rebates, incentives, trainings, and information.

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