



Energy Efficiency Case Study

Brought to you by Unitil

Sizer School

Fitchburg, MA

The Sizer School, a North Central Charter Essential School in Fitchburg, Massachusetts, just got a lot brighter thanks to 880 new LED light fixtures installed in partnership with Unitil.

The free, public school serves approximately 360 students in grades 7-12.

“Even though the school was completed in 2015, it was eligible for a comprehensive lighting upgrade that will save the school over one million kWh of electricity over the lifetime of the fixtures.”

Bill Clabaugh, *Facilities Director for Sizer School*

When the school was built, fluorescent lighting was used due to cost constraints. However, as lighting technology has improved and become more affordable, an LED solution became possible for the school.

“It is amazing to see how rapidly energy efficiency options continue to change and improve” Media Relations Manager Alec O’Meara said. “What may have been difficult just a few years ago is now attainable for many homes and businesses. It’s great to be able to share these opportunities with our customers.”

Project Summary

Unitil Corporation, a provider of natural gas and electricity to customers throughout New England, has given a \$66,597 energy efficiency rebate to the Sizer School in Fitchburg, MA to upgrade their lighting to LED fixtures.

The total project cost is \$95,139, and with an energy efficiency rebate from Unitil of \$66,597, the net cost to the school is \$28,251. By saving approximately 85,000 kWh of electricity annually, the school expects to recoup their investment after a little more than two years. Over the lifetime of the fixtures—about 13 years—the school estimates it will save 1,105,845 kWh of electricity, the equivalent of what 153 homes would use for electricity for an entire year.

Total Project Cost:

\$95,139

Total Sponsor Incentive:

\$66,597

Total Annual Energy Saved:

85,000 kWh

Total Lifetime Energy Saved:

1,105,845 kWh

Simple Payback:

Approximately 13 years



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“This is a wonderful initiative, it improves the students’ learning environment while using less energy. We were also able to take advantage of energy efficiency rebates for heating and cooling improvements in 2015, so we are big fans of the program.”

Bill Clabaugh, *Facilities, Director for Sizer School*



The Sizer School was built in 2015 and installed 880 new LED lighting fixtures in 2019 to further improve the school's energy efficiency.



New LED lighting in the Sizer School's gym.

About Mass Save:

Together, we make good happen for Massachusetts: Berkshire Gas, Cape Light Compact, Eversource, Liberty Utilities, National Grid and Unitil. As one, we form Mass Save®, with the common goal of helping residents and businesses across Massachusetts save money and energy, leading our state to a clean and energy efficient future.

WE ARE MASS SAVE®:

