



Town of Bridgewater Multi-Year Project Summary Since 2012

DOER Funds Received: \$620,905
National Grid Incentives: \$200,837
Energy Cost Savings: \$153,537
Energy Savings (kWh): 670,409
Gas Savings (Therms): 9,075

LED lighting upgrades
Energy management system
VFDs on mechanical equipment
PLC controls
Building envelope improvements
Cooling system upgrade
Programmable thermostats



BACKGROUND

Chartered in 1656 and located approximately 25 miles south of Boston, the Town of Bridgewater is a residential and suburban community of over 26,000 residents. The Town first achieved Green Communities designation in 2011, powered by the concern for the local environment, the ambition to reduce fossil fuel consumption, and to address high municipal energy costs.

Since its 2011 designation, the Town has completed several energy efficiency projects, many of those with Prism Energy Services.

THE PRISM SOLUTION

Starting in 2012, Prism Energy Services has worked closely with the Town to identify and implement a series of energy efficiency upgrades to the Town's public safety buildings, public library, Senior Center, water supply pumps and treatment plant, highway department, golf course, and Memorial Building.

Prism also worked closely with both the Department of Energy Resources (DOER) and National Grid on these projects. Prism has a long relationship with DOER and has acquired years of experience and knowledge to help customers navigate the multiple steps required to maximize incentives with DOER and utilities.

Some of the energy efficiency solutions Prism identified and installed include interior and exterior lighting, destratification fans, weatherization, new doors, programmable thermostats, variable frequency drives (VFDs) on pumps and motors, pipe insulation, PLC controls, and energy management systems.

THE BOTTOM LINE

Prism has helped the town reduce its energy consumption by 670,409 kWh, save \$153,537 in annual energy costs, and reduce its need for fossil fuels with 9,075 in gas (therms) savings. The projects were funded with \$620,905 in DOER grant money the Town has received from Green Communities. In addition, Prism also advocated on the behalf of the Town with National Grid to produce an additional \$200,837 in incentives.

In 2016 alone, the Town is expected to save 141,550 kWh in electricity and 8,178 therms of gas for a total annual cost savings of \$34,165.

Prism Energy Services provided insight and understanding of complex heating/cooling system operations we had not received from other energy service companies. Prism worked closely with our library director and the library's HVAC provider to replace its failing cooling unit. In the first full year since the upgrade, we have seen a 15% reduction in electrical use.

Carlton Hunt
Energy Committee Chairman
Town of Bridgewater

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