



Energy Efficiency Case Study

Brought to you by Eversource

The Bruins Home at TD Garden is Greener Than Ever

About TD Garden

As New England's largest sports and entertainment arena, TD Garden is the home of the storied NHL's Boston Bruins and NBA's Boston Celtics franchises and hosts over 3.5 million people a year at its world-renowned concerts, sporting events, family shows, wrestling, and ice shows. With more than 200 events each year, the organization is an economic engine for the city and the Commonwealth.

Project Summary

TD Garden was approaching its 20th anniversary and partnered with Eversource for a top-down review, from back of house systems, offices and the lighting in the MBTA North Station Parking Garage, to the Arena and 10 floors of spectator and entertainment space. The team set out to do more from a functionality and flexibility perspective and also provide a better customer experience.

"Our goal is to make sure that our building is sustainable, it offers the best guest experience and is good from a business standpoint."
Amy Latimer, President of TD Garden

Solution

Working together, Eversource and TD Garden identified and completed energy-efficient upgrades – both felt (ventilation, heating, cooling humidity control) and seen (lighting) throughout the building.

- High-efficiency LED lighting above the arena and in the Concourse, Club Suites, Offices, Stairwells, Sports Museum, and Parking Garage reduced annual energy costs by 78 percent – the the equivalent to powering the homes of more than 17,500 spectators at a sold-out Bruins game for approximately 19 days.
- The new low-watt LEDs in the arena meet NHL and NBA specifications for lighting quality. According to one New England Cable News broadcaster, "You notice the LED lights as soon as you walk into the building. It is super bright. Very, very easy to see."
- Advanced lighting controls extend the savings, and improved functionality provides new opportunities and flexibility for TD Garden to accommodate various client and tenant lighting requirements throughout the facility.
- The new lighting has reduced maintenance costs, and the advanced system that controls them shines an energy-efficient light on a variety of events and acts, providing a better spectator, player, and performer experience.
- New chiller controls and motor controls for fans, pumps, cooling towers, and boilers keep the ice cold, the crowd comfortable, and the energy savings high.

"TD Garden is an exciting example of how energy efficiency lets you do more with less energy. More functionality, more flexibility, and certainly more opportunities for a better customer experience," Jim Judge, Chairman, President & CEO of Eversource Energy.

Annual Energy Savings

10 million kWh

Annual Cost Savings

\$1.5 million

Environmental Impact:

The equivalent of taking approximately 1,064 cars off the road for a year.

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®:

