



Energy Efficiency Case Study

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AC Hotel Cambridge is designed with energy efficiency in mind

Sleek hotel incorporates energy-saving amenities into original design plans.

About AC Hotel Cambridge

AC Hotel Cambridge by Marriot was designed and built from the ground up with innovation in mind. Located in Discovery Park of Cambridge, MA, the hotel is complete with 150 guest rooms and over 4,500 square feet of dynamic meeting space to support its diverse mix of travelers.

Project Summary

Long before opening its doors in 2016, the AC Hotel Cambridge team worked with Eversource and XSS Hotels, a development and design company, to incorporate energy efficiency measures into its original design plans, which are projected to save the hotel an estimated \$49,000 in annual energy costs.

Energy-efficient technologies integrated into the design included occupancy-based heating and cooling controls, LED lighting and sensors, high efficiency hot water boilers, heating and cooling equipment and a pool dehumidification unit to control the air quality in its indoor pool area. The hotel is also equipped with low-flow plumbing fixtures and shower heads to reduce water waste.

“Our guests enjoy the convenient controls that adjust to their movement and comfort,” said Mark Fischer, General Manager at AC Hotel in Cambridge. “Our staff has great feedback too. They don’t have to worry about lighting replacements or resetting the room temperatures after cleaning. It’s just easier for everyone.”

Solution

AC Hotel Cambridge by Marriot took advantage of the Mass Save’s whole buildings solution to incorporate these energy efficiency measures into the construction phase. The incentives from Eversource reduced the upfront cost of the project from \$20 million to \$19.86 million.

The project complements the hotel’s top-notch quality service and accommodates guests and their comfort. In fact, XSS Hotels Assistant Project Manager, Jen Bowles, said the hotel was booked throughout 2017.

“Now more than ever, we live in an energy-conscious culture. Many of our guests are modern, tech-savvy national and international business travelers who would rather choose an environmentally-friendly hotel over one that consumes excessively. Energy efficiency is a large part of our mission.”



Annual Energy Savings:

242,060 kWh

Annual Cost Savings:

\$49,000

Total Project Cost:

\$20,000,000

Eversource Incentive:

\$137,013

Net Cost to the Customer:

\$19,860,000

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®:



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