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Bluestone Energy Helps The Colonnade Hotel Reduce its Carbon Footprint by Over Thirty Percent with Comprehensive Energy Efficiency Upgrades

Comprehensive LED Lighting and HVAC Retrofit provides the hotel with a two year payback and significant utility incentives from NSTAR



BOSTON, Nov 09, 2010 (BUSINESS WIRE) -- Bluestone Energy Services, LTD., a leader in energy conservation engineering and project development services for industrial and commercial clients, announced today that it has completed a comprehensive energy efficiency upgrade for The Colonnade Hotel, Boston's Back Bay neighborhood landmark.

Bluestone Energy helped the hotel cut thirty percent of its energy usage and secured an incentive from NSTAR for over \$460,000. Bluestone installed a new centrifugal chiller with frictionless air bearing compressors, and highly efficient LED lights (which have two to five times the life of the prior system's lights), and electronically commutated motors in the guest room fan coil units. Bluestone Energy also developed and installed a new building automation system that allows hotel personnel to view the building's operational status in real-time over the Internet.

"We are very pleased with the energy efficiency upgrade that Bluestone Energy implemented at The Colonnade Hotel," said Keith Anderson, Director of Property Operations for The Colonnade Hotel. "Not only did Bluestone help us meet our sustainability goals, but they were able to do it cost effectively and secure the hotel a significant incentive from NSTAR, all while providing us with a two year payback."

Bluestone Energy's efficiency upgrades for The Colonnade Hotel include:

Installation of highly efficient LED Lighting Throughout the Hotel

Highly efficient LED lights provide the hotel with up to 50,000 hours of life per light - as much as five times more than the previous lights

Installation of a New Building Automation Control System (BAS)

With the ability to monitor the hotel's infrastructure in real time, management can detect problems quickly and adjust cooling for maximum efficiency. The new BAS will allow the hotel to control certain building functions through Internet-enabled distributed architecture.

Installation of Efficient Chiller with Frictionless Oil Free Compressors This state of the art chiller has compressors with shafts that levitate in air magnetically, eliminating bearing friction and oil requirements.

Installation of Electronically Commutated Motors

The standard efficiency fan coil motors in the guest room air conditioning units were replaced with electronically commutated motors (ECM motors). These motors are very efficient brushless motors whose speed can be controlled based on room temperature requirements.

Due to the significant energy-consumption savings, this project qualified for high NSTAR incentives and will save The Colonnade Hotel \$295,000 per year.

"We are glad that we were able to work with The Colonnade Hotel and help them with their sustainability effort," said Peter Fairbanks, President of Bluestone Energy. "Not only will these upgrades save The Colonnade hotel significant money, the project also reduces their carbon footprint, and future guests will enjoy the benefits of this highly sustainable building."

About Bluestone Energy Services

Since 1990, Norwell, Mass-based Bluestone Energy Services has been providing professional engineering and project development services for industrial and commercial clients. Bluestone is a leader in demand-side management (DSM) programs for large commercial and industrial customers. Having developed and implemented hundreds of lighting, HVAC and process energy conservation projects, Bluestone's engineers have secured millions of dollars in utility incentives for Bluestone's clients. Bluestone has worked with a wide array of companies including Boston Properties, Cabot Corporation and Stop & Shop Supermarket Company. Additional information on Bluestone can be found at <http://www.bluestoneenergy.com>.

About The Colonnade Hotel

The Colonnade Hotel has provided genuine Bostonian hospitality to residents and visitors for more than 39 years. A beloved Back Bay landmark whose opening launched the neighborhood's renaissance in the early seventies, the Colonnade is home to the city's only roof-top pool, the award-winning Brasserie JO restaurant, a host of remodeled function rooms and the hotel's grand ballroom - providing the setting for many of the city's memorable business and social events. The Colonnade Hotel is the recipient of the 2009 Green Business Award, which recognizes the hotel's pioneering efforts towards environmental sustainability. Within close proximity of Newbury Street and many of Boston's finest shops, museums, galleries, and landmarks - including Hynes Convention Center, Symphony Hall and Fenway Park - the hotel is located ten minutes from Logan International Airport and walking distance to Amtrak's Back Bay station. It is a member of Preferred Hotel Group's(TM) Summit Hotels & Resorts(TM) and Concorde Hotels. For more information or to make reservations please call 1 (800) 962.3030 or visit www.colonnadehotel.com or www.preferredhotelgroup.com.

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