Technical Assistance

Marriott Marquis

The Marriott Marquis Hotel in New York City saves more than $100,000 annually through energy efficiency

The New York Marriott Marquis

Midtown Manhattan, New York

Background

The New York Marriott Marquis, located in the Times Square and Broadway district of Midtown Manhattan, is one of the Marriott Hotel chain's largest flagship hotels. Even with increased occupancy rates, the 1.8 million square foot, fifty-story high building has seen a decrease in energy costs per square foot. This has been accomplished through a series of energy efficiency improvements. The Marriott took advantage of the New York State Energy Research and Development Authority's (NYSERDA's) FlexTech Program, and with assistance from Power Concepts, LLC, developed new strategies to conserve energy and reduce operating costs.

Recommendations

A Technical Assistance Study was conducted, co-funded by NYSERDA, focusing on potential opportunities for energy savings and operational improvements at the Marriott Marquis. The study recommended the following measures:

- Variable frequency drives on all pumps; and
- Insulation blankets on miscellaneous piping segments throughout the building.

Result and Incentives

Marriott, through implementing the recommendations contained in the study, realized the following benefits:

- Reduced emissions output;
- Reduced transmission wheeling costs; and
- Reduced distribution costs.

These combined measures will allow Marriot to save more than $100,000 annually, which based on the $91,000 cost of this project, results in a simple payback of less than one year.

NYSERDA

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