

Utilization of an Automated Energy Information and Utility Monitoring System at the New York Grand Hyatt

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Abstract

The Hyatt Hotels Corporation has launched a corporate-wide energy management program. Components of this program include implementation of an enterprise-wide energy tracking and benchmarking system and the ongoing installation of an automated network of utility monitoring and control systems in all of the Hyatt hotels in North America. An automated Utility Monitoring System was installed at the New York Grand Hyatt, the conference hotel, as part of this program in the spring of 2001. Three years of 15-minute interval electricity and natural gas consumption data are now available.

Participants in this session will use the hotel's Utility Monitoring System as a tool to investigate real-time energy consumption at the New York Grand Hyatt, as well as use historic data from the Hotel's Utility Monitoring System to understand the operation of the building and possibly identify potential energy conservation opportunities. For example, space heating and cooling loads and load shapes should be clearly evident in the historic energy consumption data. Daily, weekly and seasonal load shape patterns will be plotted and relationships to outdoor temperature, occupancy, and meals served will be explored. This session will give participants a first hand look at the conference hotel's energy consumption patterns and thus elucidate how a major hotel's energy systems operate.