

macy's east

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Emacx Systems, Inc.
Theo Breitenstein, President
41 Watchung Plaza, Suite #175
Montclair, New Jersey 07042

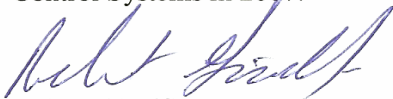
Reference: Automated Demand Control System

Controlling the cost of energy is critical to the success and profitability of retail establishments, and Macy's is no exception. When it comes to energy costs, every energy dollar saved goes directly to the bottom line.

Energy Managers are faced with complex energy procurement processes and the increasing cost of energy, particularly charges associated with peak demand. A major challenge to controlling energy costs, during times of peak demand, is maintaining proper lighting levels and a comfortable environment for customers to shop.

With this in mind, the Macy's Energy team explored the savings opportunities associated with lowering peak demand. Lowering a facilities peak demand not only saves on utility energy demand charges, but also saves money by consuming less energy when hourly commodity prices are at the highest. Although each facilities peak demand and demand profile differ, the ultimate goal remains the same - "cut the peaks" and reduce costs associated with peak demand.

The Energy team started by enlisting Emacx Systems to complete a study and install a Demand Control System in the flagship store, Herald Square. Subsequently the system has been installed in many of the NY Metro area stores and installations are ongoing. The application of this technology has resulted in the reduction of 890KW, a simple payback of two years, and continued annual savings of approximately \$134,000.00. With the use of the Emacx Demand Control System, financial goals have been achieved without interrupting day-to-day operations and impacting sales. Macy's is excited about the results to date, and plan on expanding the number of Emacx Automated Demand Control Systems in 2007.



Robert Gisolfi
Energy Director

Macy's East, Inc. - 151 West 34th Street - New York - New York - 10001