

McDonald's Restaurant

Brighton, CO

Background Story:

In 1999, Ed Maycumber, Member Services Representative at United Power (an REA) in Brighton Colorado, called on Brayden Automation to help the peak demand problem at the local McDonald's restaurant. Ed noticed that the restaurant's peak demands were very high. Brayden Automation contacted the owner and franchisee, Boselli of Colorado. After performing a review of the electric bills, Brayden's representatives conducted a site survey to inventory the equipment and understand what was driving the building's peak demand.

Brayden found that the store was an all-electric building with electric air conditioning, heating and hot water in addition to the cooking, lighting and refrigeration equipment. Brayden's analysis found that the load factors were not unusually low, but could be significantly higher for an all-electric building. The load factors averaged 52% for the year prior to control and increased the first year to 71%. Annual reduction in KW demand averaged 23%. Load factors for the first two years averaged 70%. In January 2001 the restaurant had a 81.4% load factor! The total savings on the system yielded a 10 to 11 month payback. At the end of the first two years of operation, the total savings exceeded \$12,000. That savings goes directly into the owner's pocket. United Power is happy because it helped one of their customers. Mr. Boselli was so pleased with the system that he asked Brayden Automation to install a system at one of his other stores. The system has continued to work flawlessly since 1999.



Client Comments:

"The Energy Sentry demand controller was installed in November 1999 and we saved over \$4,000 in the first six months. The unit had a payback of less than one year. I have found Mr. Brayden and his entire staff to be very professional and responsive to the store's energy needs."

Rick Boselli
Owner/Manager

