

Bellagio Hotel and Casino July 2006



Bellagio Hotel & Casino
 Las Vegas, Nevada
 July 2006

20hp Escalator
37.14% power average savings
\$2,049.84 annual savings
(\$.09/kWh)

WITHOUT ENERGY SAVINGS

Avg. kW x 8760 hrs / yr	7.00 x 8760
Annual kWh Use	61,320
Annual kWh x Cost / kWh	61,320 x 0.09
Annual kWh Cost	\$5,518.80

WITH ENERGY SAVINGS

Avg. kW x 8760 hrs / yr	4.40 x 8760
Annual kWh Use	38,544
Annual kWh x Cost / kWh	38,544 x 0.09
Annual kWh Cost	\$3,468.96

ANNUAL SAVINGS

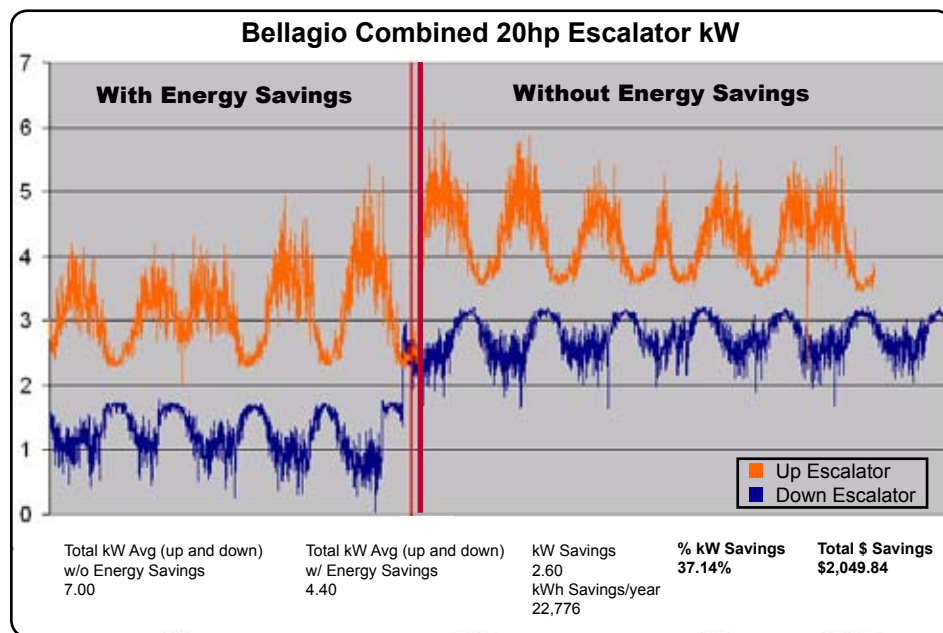
% kW Savings	37.14%
kWh Savings	22,776
Cost Savings	\$2,049.84

TEST SUMMARY

An energy savings test was performed on two 20 HP escalators (one up, one down) located under the entrance marquee at the Bellagio Hotel & Casino. Two Power Efficiency motor efficiency controllers had previously been installed on each escalator as a preferred soft start replacement. A power meter* was installed on 6/28/06 to collect data with the device's energy savings on. On 7/3/06 the device's energy savings was turned off. On 7/10/06 the data was uploaded, the meters removed and the device's energy savings was turned back on.

It was found that the Power Efficiency motor efficiency controller was able to lower the average kW used on the escalators from 7.00 kW to 4.40 kW for a 37.14% power savings and annual cost savings of \$2,049.84 based on \$0.09/kWh.

The following graph represents the kilowatt usage of the escalator over a period of 12 days. 7 days without the energy savings activated and 5 days with the energy savings activated.



*The Power Meter used is a Dent Instruments Elite PRO Recording Poly Phase Power Meter.