

**Caesars Palace Hotel & Casino
 April 2006**



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 Las Vegas, Nevada
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**40hp Escalators
 35.75% average power savings
 \$3,062.49 annual savings
 (.08/kWh)**

Up Escalator Annual Savings

WITHOUT ENERGY SAVINGS

Avg. kW x 8760 hrs / yr	6.08 x 8760
Annual kWh Use	53,260.80
Annual kWh x Cost / kWh	53,260.80 x 0.08
Annual kWh Cost	\$4,260.86

WITH ENERGY SAVINGS

Avg. kW x 8760 hrs / yr	4.01 x 8760
Annual kWh Use	35,127.60
Annual kWh x Cost / kWh	35,127.60 x 0.08
Annual kWh Cost	\$2,810.21

ANNUAL SAVINGS

% kW Savings	34%
kWh Savings	18,133.20
Cost Savings	\$1,450.65

TEST SUMMARY

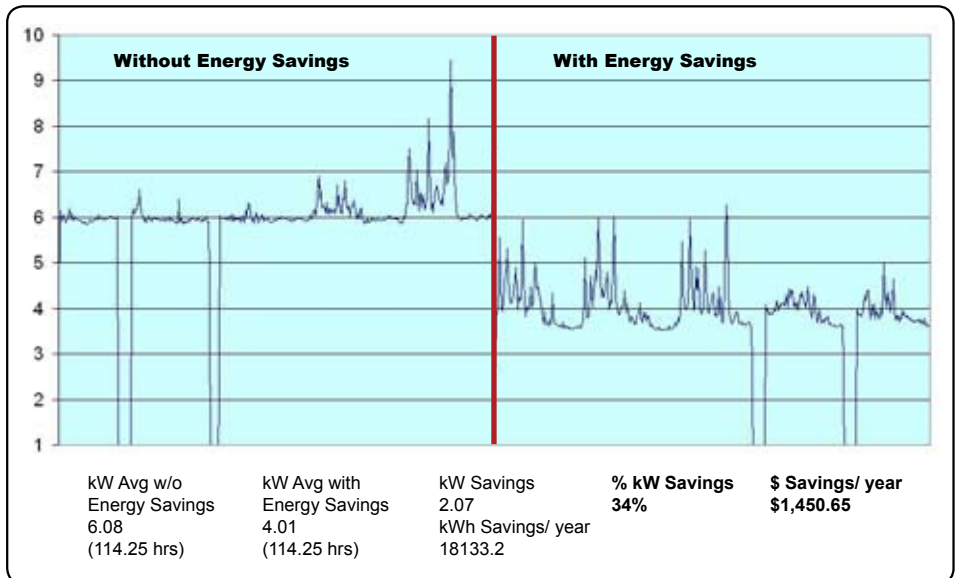
Two 40Hp Power Efficiency motor efficiency controllers were installed on Feb. 24, 2006 on two large escalators (one up and one down) leading to the Caesars Palace conference center.

Once installed, the motors were started to check rotation and to set the energy saving soft start. At that time, a power meter was installed to track the line voltage, current, kW, PF, KVA and KVAR and the power saving setting was set to 0 to collect "baseline data" for one week. The motor efficiency controllers were set on 3/27 and it was noted that the total current went from approximately 92 amps to approximately 46 amps.

Final testing was performed on the two escalators by Nevada Power from 3/31 until 4/14. The data was truncated to reflect the same amount of time with power savings off as with power savings on. It was found that Power Efficiency's motor efficiency controller was able to lower the average kW used on the "Up" escalator from 6.08 kW to 4.01 kW for a 34% power savings. The average kW on the "Down" escalator went from 6.08 kW to 4.00 kW for a 36.5% power savings.

The following graphs represent the kilowatt usage of the escalators over a period of 10 days. 5 days without the energy savings activated and 5 days with energy savings activated.

Up Escalator kW



*The Power Meter used is a Dent Instruments Elite PRO Recording Poly Phase Power Meter, the same meter used by Nevada Power.

Down Escalator Annual Savings

WITHOUT ENERGY SAVINGS

Avg. kW x 8760 hrs / yr 6.30 x 8760
 Annual kWh Use 55,188.00
 Annual kWh x Cost / kWh 55,188.00 x 0.08
 Annual kWh Cost \$4,415.04

WITH ENERGY SAVINGS

Avg. kW x 8760 hrs / yr 4.00 x 8760
 Annual kWh Use 35,040.00
 Annual kWh x Cost / kWh 35,040.00 x 0.08
 Annual kWh Cost \$2,803.20

ANNUAL SAVINGS

% kW Savings 36.5%
 kWh Savings 20,148.00
 Cost Savings \$1,611.84

Down Escalator kW

