

Stratosphere Hotel and Casino



Stratosphere Hotel and Casino
Las Vegas, Nevada

Application: Escalator
Motor Size: 15HP
Average Savings: 29.5%
Annual Savings: \$1,038.07
Power Rate: \$0.08/kWh
Annual CO2 Reduction: 8 tons
Internal Rate of Return: 37%*

* IRR does not include unit installation costs

Expected Product Life Savings

Product Life: 15 years
kWh Savings: 153,945 kWh
Cost Savings: \$17,717*
CO2 Reduction: 119 tons

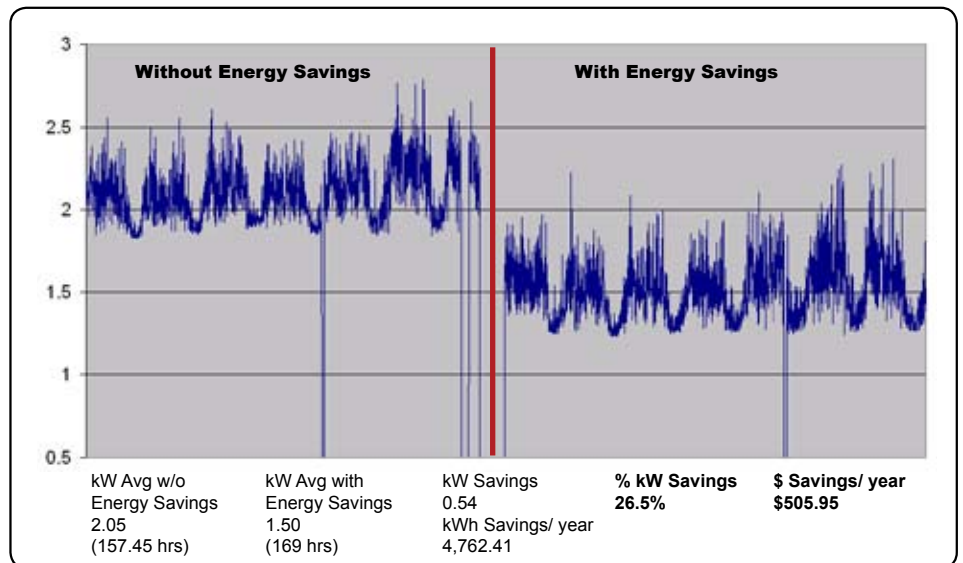
* Expected life cost savings is based on a 5% annual increase in cost of power

TEST SUMMARY

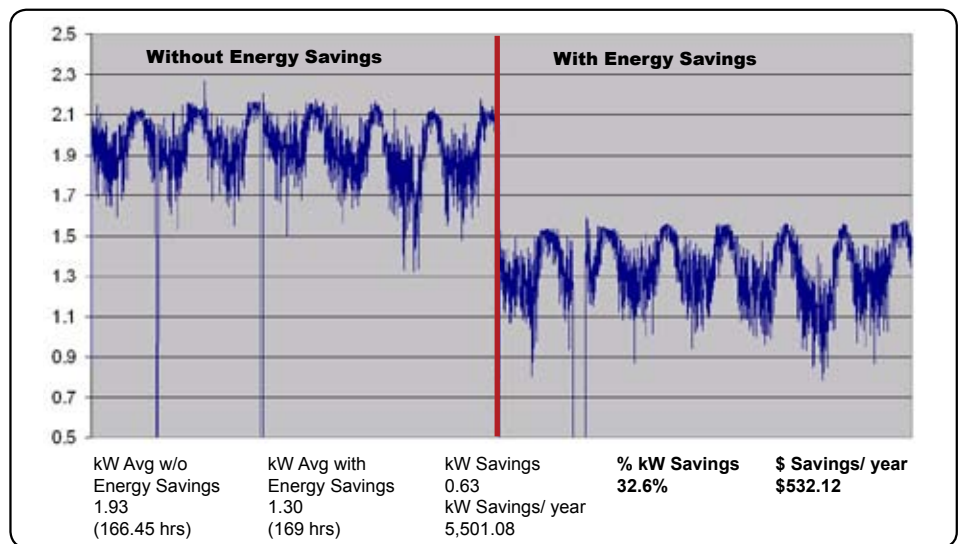
An energy savings test was performed on two 15HP escalators (one up and one down) at the Stratosphere Hotel and Casino. The test was monitored by Nevada Power, the electric utility for Southern Nevada. Data was collected for 14 days.

Power Efficiency's motor efficiency controller lowered the average kW used on the "up" escalator from 2.05 kW to 1.5 kW for a 26.5% power savings and annual cost savings of \$505.95. The average kW on the "down" escalator went from 1.93 kW to 1.30 kW for a 32.6% power savings and annual cost savings of \$532.12.

Up Escalator kW



Down Escalator kW



Estimated annual energy and demand-charge cost savings are based on Nevada Power calculations. Estimates are based on facility operations of 24 hours per day, 7 days a week (8,760 hours/year).