

## Caesars Palace Hotel and Casino



Caesars Palace Hotel & Casino  
Las Vegas, Nevada

Application: Elevator  
 Motor Size: 60HP  
 Average Savings: 20.90%  
 Annual Savings: \$392.44  
 Power Rate: \$0.08/kWh  
 Annual CO2 Reduction: 4 tons  
 Internal Rate of Return: 60%\*

\* IRR does not include unit installation costs

### Expected Product Life Savings

Product Life: 15 years  
 kWh Savings: 73,590 kWh  
 Cost Savings: \$8,469\*  
 CO2 Reduction: 57 tons

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

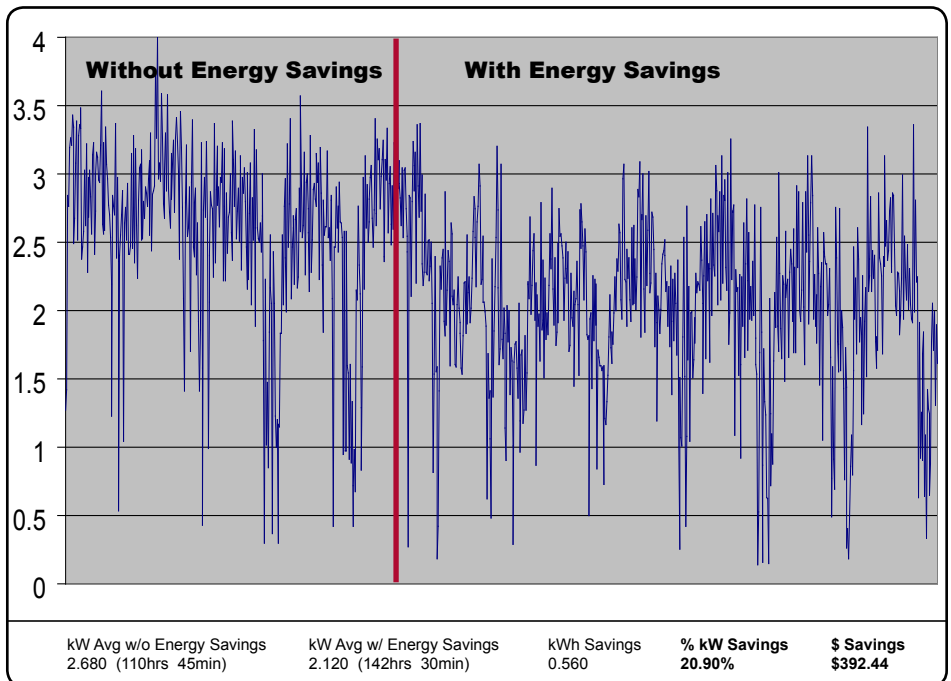
### TEST SUMMARY

A 60HP Power Efficiency motor efficiency controller was installed on a guest elevator in one of the hotel towers at Caesars Palace.

Energy saving measurement was performed on the elevator by Nevada Power from March 31 through April 14. It was found that the motor efficiency controller was able to lower the average kW used on the elevator from 2.680 kW to 2.120 kW for a 20.90% power savings. A graphical representation of the data may be found on the following page.

The installation went quite well. It was the first time Otis Elevator technician Steve Bertram had installed Power Efficiency's motor efficiency controller. The installation took approximately three hours, which included time to lay out the mounting location and the wire and hardware required. Steve carefully considered how he wanted to rewire the motor starter to remove the "WYE" from the "WYE-Delta". Once he had a plan, the installation went fairly quickly. Steve even mentioned that now that he had installed Power Efficiency's motor efficiency controller, he could do future installations in 60-90 minutes.

The following graph represents the kilowatt usage of the elevator over a period of 11 days. 5 days without the energy savings activated and 6 days with the energy savings activated.



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