



**Caesars Palace Hotel and Casino
Las Vegas, Nevada
March/April 2006**

**60hp Elevator
20.09% power savings
\$392.45 annual savings (.08/kWh)**

TEST SUMMARY

A 60 Hp Power Efficiency Corp. Power Genius™ was installed on one of the guest elevators in one of the Caesars Palace towers.

Energy saving measurement was performed on the elevator by Nevada Power from March 31 through April 14. It was found that the Power Genius™ was able to lower the average kW used on the elevator from 2.680 kW to 2.120 kW for a 20.09% 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 a Power Genius™. 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 a Power Genius™, he could do future installations in 60-90 minutes.

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

Elevator Annual Savings

	Avg kW x 8760 hrs/yr	Annual kWH Use	Annual kWH x Cost per kWH	Annual kWH Cost
Without Power Genius	2.680 x 8760	23476.80	23476.80 x 0.08	\$1878.14
With Power Genius	2.120 x 8760	18571.20	18571.20 x 0.08	\$1485.69
Annual Savings	20.09%	4905.6		\$392.45



The following graph represents the kilowatt usage of the elevator over a period of 11 days. 5 days without the Power Genius™ power control and 6 days with the Power Genius™ power control.

