



Aggregate Plant Boulder City, Nevada

Application: Jaw Crusher
Motor Size: 300HP
Average Savings: 25.41%
Annual Savings: \$5,390.71
Power Rate: \$0.10/kWh
Annual CO2 Reduction: 40 tons
Internal Rate of Return: 69%*

* IRR does not include unit installation costs

Expected Product Life Savings

Product Life: 15 years
kWh Savings: 766,800 kWh
Cost Savings: \$110,310*
CO2 Reduction: 594 tons

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

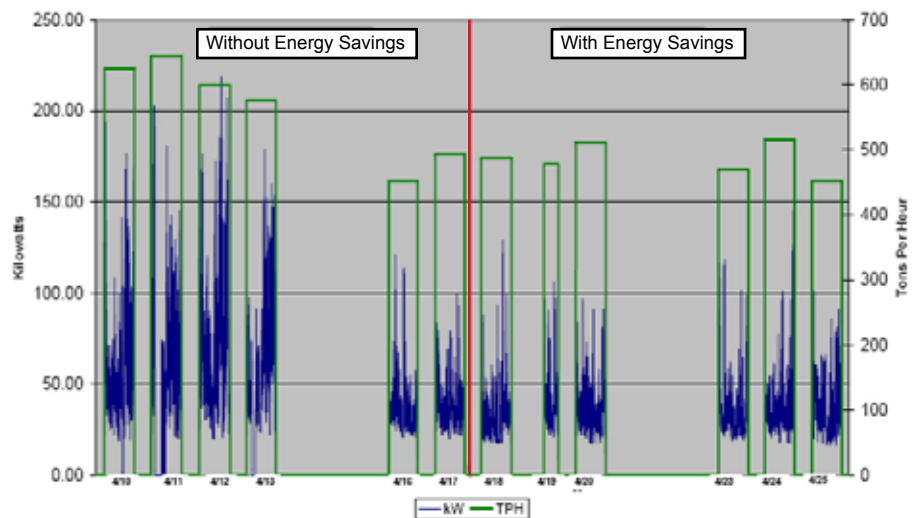
TEST SUMMARY

A 300 HP Power Efficiency motor efficiency controller was installed on a Jaw Crusher at an aggregate plant in Las Vegas, Nevada. This application was chosen because an eight day collection of Power Factor and Kilowatt usage data* was compiled in a savings estimate calculator developed by Power Efficiency Corporation. The resulting savings estimate showed that this would be an attractive candidate for significant energy savings.

Power Efficiency's motor efficiency controller showed savings of 25.41% kWh per ton.

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

300HP Jaw Crusher Kilowatt hour per Ton Savings with Power Efficiency Motor Efficiency Controller



Savings: kWh Per Ton

The average tons per hour from total test period is 541.44 and the average hours ran per day is about 12.5

Without Energy Savings:	\$0.01004 per ton / \$5.44 per hour
With Energy Savings:	\$0.00749 per ton / \$4.06 per hour
Energy Savings:	\$0.00255 per ton / \$1.38 per hour

If the plant runs 15 hours per day, 5 days per week, the **annual savings is \$5,390.71**