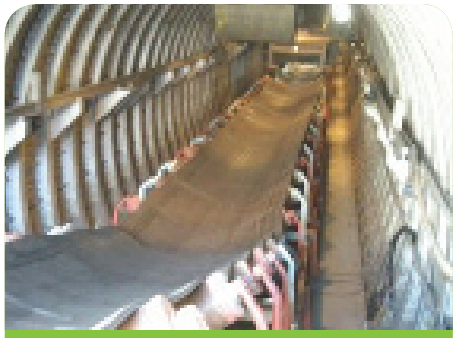
E-SAVE TECHNOLOGY

case study: CONVEYOR

Ready Mix Plant



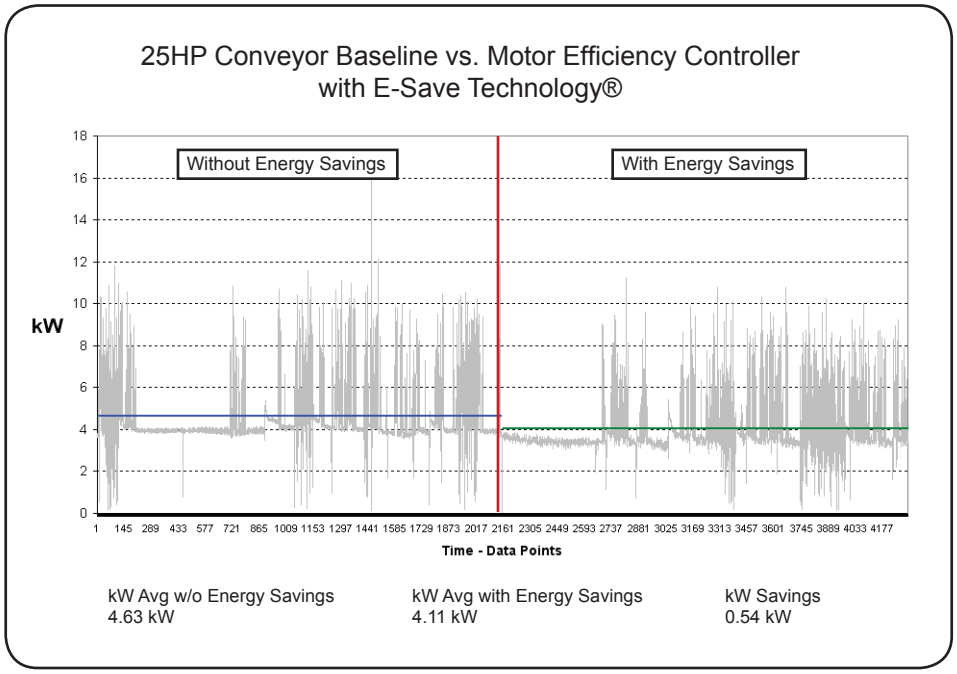
Ready Mix Plant
California

Application:	**Tunnel Conveyor**
Motor Size:	**25HP**
Average Savings:	**11.6%**
Annual Savings:	**$535**
Power Rate:	**$0.20/kWh**
Annual kWh Saved:	**2,677 kWh**
Operating Hours:	**16 hrs / 7days**
Annual CO2 Reduction:	**2.1 tons**
Internal Rate of Return:	**156%**

TEST SUMMARY

A 25 HP Power Efficiency Corporation Motor Efficiency Controller was installed on a tunnel conveyor motor at a ready mix plant in California for reducing energy consumption, electricity costs, and the environmental footprint. Baseline kilowatt usage, and power factor data was collected prior to the installation to estimate the amount of energy savings available. The Power Efficiency Corporation Energy Saving Estimate Calculator indicated a significant energy reduction potential. Following the Motor Efficiency Controller with E-Save Technology® installation, additional data was collected to determine the actual energy savings.

The Power Efficiency Corporation Motor Efficiency Controller reduced the kW required over 11.6%. Refer to the kW graph below:



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

Expected Product Life Savings

Product Life:	15 years
kWh Savings:	40,155 kWh
Cost Savings:	$11,554*
CO2 Reduction:	32 tons

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

BENEFITS

ENERGY SAVINGS
- *Optimizes energy efficiency*
- *Qualifies for utility rebates*
- *Environmentally friendly*

MOTOR CONTROLLER
- *Solid state motor controller*
- *Electronic overload protection*
- *Soft start functionality*

REDUCED MAINTENANCE
- *Extends motor life*
- *Decreases stress on mechanical systems*
- *Easy to install and configure*