

Come visit the National Meter booth at this year's 2009 Electric Expo!

National Meter Case Study



Still not sure how National Meter can help you reduce energy costs while increasing productivity and efficiency? Read the below case study on Taylor & Fenn's use of National Meter's DH96 CPP Demand Control System.

Background



Taylor & Fenn, located in Windsor Connecticut, is in the business of producing metal castings, a process which involves melting metal in high temperature ovens.

Problem



The process of melting metal is electrically intensive. Additionally, their utility company has demand capacity limits and further restrictions.

Solution Attempt Number One

A 15-minute demand limiting system was installed that produced an alarm and shut down the ovens when electric capacity was exceeded. Needless to say, the system did little to control demand or improve production.

Finding THE SOLUTION with National Meter

National Meter installed their DH96 CPP Demand Control System to manage Taylor and Fenn's electricity demand.

How It Works

The system displays and records kW demand every minute in real time, as well as accumulating kWh and peak demand. Using Easycomm software, this data is then transferred to a PC every minute and accumulated in an Excel document.

Outcome

The real time information allowed Taylor & Finn to control the ovens before their electric capacity was reached. Additionally, Taylor & Finn was also able to expand their management capabilities and increase productivity with the easy dissemination of accurate and real time information. The tangible results are as follows...

- 21% reduction of demand (at \$4.00 = \$3,200 savings per month)
- Increased pounds produced per shift
- Decrease labor hours per pound produced
- Decreased kWh consumption
- Improvements are ongoing

Can National Meter Help You in Your Quest For Efficiency and Savings?

The simple answer is YES! Whether you are work with machinery, or just managing the electricity in an office building, using National Meter's monitoring systems can reduce your electricity demand and increase your productivity.

