

Resource Efficiency

Bayton Road Smart Metering Project

Overview

Objective:

1. The project aims to raise awareness amongst Small and Medium Sized Enterprises (SME's) of the opportunities for improving their competitiveness through improved energy efficiency, reducing their energy costs by developing a better understanding of their electricity and gas usage.
2. To evaluate the effect that smart metering and subsequent data analysis has within a business organisation.

Main Partners: **Bayton Road Businesses, Warwickshire County Council, The Regional Innovation Company, The Carbon Trust.**

Audience: Businesses on Bayton Road, other businesses.

Rationale: Many SME's do not keep track of their energy expenditure even though they may be paying far more than they need to and often simple measures are all that is needed.

Web Link:

[http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/B73E7DCC51542EE0802572FD0073F398/\\$file/Bayton+Road+Energy+Metering+Project+Report+v3.pdf](http://www.warwickshire.gov.uk/Web/corporate/pages.nsf/Links/B73E7DCC51542EE0802572FD0073F398/$file/Bayton+Road+Energy+Metering+Project+Report+v3.pdf)

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After a seminar on interpreting data graphs and within the first four weeks of the project, one SME was able to make two substantial savings as a result of being able to see their graphs of gas usage. The weekend pattern showed that some heating was being left on unnecessarily and this was corrected resulting in savings of about £50 per month. The other saving came from noticing a sudden very large increase in background use of gas equivalent to £500 a month extra. They noticed from the graphs that the increase started at the same time that some work was done on a gas boiler. They investigated, found the boiler had been left set incorrectly after that work, and corrected the problem. Four days elapsed from the start of the problem to its rectification. Had it not been for the metering it may have taken many weeks for the additional usage to have come to light.