

Case Study

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Supermarket Chain Energy Audit

The Challenge

The aim of this exercise was to identify the potential for savings for a large supermarket operator in Ireland in order to concentrate subsequent investigations on those stores which provided the greatest opportunities.

The Solution

As the first stage of a full energy review, a comprehensive exercise to benchmark energy usage at 75 supermarket stores throughout Ireland was carried out. Initially a wide range of energy usage and cost data was gathered from the company and their utility suppliers covering electricity, gas, LPG, and oil as well as information on individual store areas and opening hours.

Spreadsheet techniques were used to develop both 'typical' and 'good practice' energy intensity benchmarks for the sample using sales floor area as the normalising factor. These benchmarks were also compared with external benchmarks for supermarkets generated for a separate project.

The Outcome

Potential savings were identified and a number of high energy usage and cost sites were highlighted for further investigation in the next stage of the review.



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