

Marks and Spencer Simply Food 'Sustainable Learning' store, Ecclesall Road, Sheffield

- **Local authority area:** Sheffield City Council
- **Stakeholders:** Development Management Officer, Marks and Spencer

Summary

Marks and Spencer (M&S) have developed a Sustainable Learning store on a brownfield site on Ecclesall Road, as part of their drive to become the world's most sustainable major retailer by 2015. It includes has achieved BREEAM 'Excellent', and incorporates a number of sustainability features.

Key learning points

- The store cost 6-7% more than a standard store, but costs will be recouped over the lifetime of the building.
- Too early to report what has been learned from the building itself.

Background

- Through their Learning Stores, M&S aim to create an education programme that will allow them to work towards their goal of creating zero carbon stores. By trialling techniques such as using sustainable materials, considering heating solutions to reduce carbon, looking at transport solutions and considering the whole life of the store, they will use their experience to create sustainable stores that have a lasting positive impact on the communities they serve.
- The key sustainability features included at the Ecclesall Road store are as follows:
 - LED lighting, which is 25% more efficient than standard lighting, is used throughout the store, a first in the UK. Sun pipes bring natural lighting onto the shop floor.
 - 100% of the timber used is FSC certified, a UK first.
- - All the bricks have been reclaimed from an old local mill.
 - Water costs will be reduced by up to 40%, compared with a traditional similarly sized store, by using harvested rainwater.
 - Heat expelled from the store's refrigeration units is captured and used to help heat the store.
 - A living green roof of sedum plants and green living wall have created wildlife habitats, as well as insulating the store.

- Bird boxes have been placed around the perimeter wall of the site.
- In total, 62 different species of plants have been planted on or around the store.
- Polished concrete floors have removed the need for floor covering.
- 100% of the construction waste has been recycled.
- Electric car charging points and real-time public transport information.

Results - Key outcomes and impacts

- The store cost 6-7% more than a standard store, but using the principle of whole life costing, M&S are confident the additional cost can be recouped over the lifetime of the store.
- Staff are fully trained on how to ensure an optimum internal environment throughout the year.

Key contact

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References / Links

<http://corporate.marksandspencer.com/page.aspx?pointerid=6f01065975a546a9a8de5b6afe5d55c9>

http://corporate.marksandspencer.com/howwedobusiness/hwdb_reports
Second Report down, titled Ecclesall Road Learning Store