



## Case Study - Display Energy Certificates (DECs)

The University of Winchester comply with the EPBD.

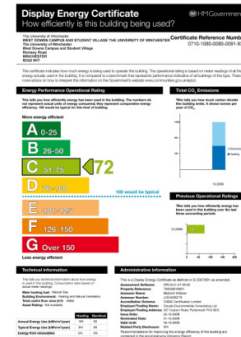
Clouds Environmental Consultancy have helped a large number of organisations meet their Display Energy Certificate (DEC) requirements. The University of Winchester was the one of the first of our clients to receive a site-based DEC.

The University of Winchester is a university on a human scale, with under 6,000 students studying a broad range of programmes at both undergraduate and postgraduate level. The institution has a long history, having been established in 1840, it successfully combines its heritage with innovation.

### The Background

Through the Carbon Trust, Clouds were initially commissioned by the University of Winchester to perform an Opportunities Assessment (OA) survey, to identify possible energy saving measures. If all of the identified measures from the OA were implemented, the aggregated savings would represent a 15% reduction in energy consumption and a 14% reduction in cost or £44,300.

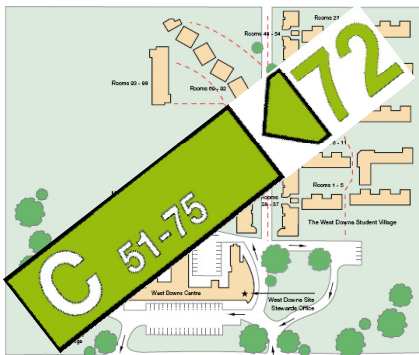
Naturally, having completed the OA, Clouds were the obvious choice for DEC production at the University.



### The Display Energy Certificate (DEC)

By 1st October 2008 public sector occupiers of larger buildings (over 1,000m<sup>2</sup>), will need to have presented a Display Energy Certificate (DEC) in a prominent place clearly visible to the public. It enables everyone to see how energy efficient our local public buildings are.

A DEC may only be issued by an accredited energy assessor. It shows the energy performance of a building based on actual energy consumption (Operational Rating) as recorded annually over periods up to the last three years. It must be renewed every year, and should be accompanied by an Advisory Report (AR), that lists cost effective measures for improving energy consumption.



### Site based Display Energy Certificates (DEC)

New arrangements have now been announced that allow a single site based DEC and AR to be produced to cover all qualifying buildings on a whole site for the first year.

In this instance, the University of Winchester qualified under the new site DEC approach. They require one DEC for each campus, as their metering is at site level, rather than building level. Please download the [official site DEC guidance](#) at [www.energylabel.co.uk](http://www.energylabel.co.uk) for more information.

### The Rating and DEC production

Clouds used the approved software package, **ORCalc**, supplied by the Communities and Local Government, to produce the site DEC and associated AR for West Downs Campus and King Alfreds Campus. The West Downs site proved to be more energy efficient, receiving a 'C' rating overall, with improvements in building fabric hot on the agenda to enhance the energy rating.

### The Future

The University of Winchester is fast becoming more and more energy conscious, especially through the introduction of DECs and their participation in the Carbon Management program. Their future plans will include the introduction of building specific DECs and ARs across each site.

*"Obtaining our DECs was made easy and trouble free by using experienced energy management professionals like the ones at Clouds. Their range of services and the extent of their specialist knowledge would be hard to beat in the field."* Mr. John Mann, Director of Estates, the University of Winchester.

