



## Display Energy Certificate

### Advisory Programme

CarbonPlan is an environmental consultancy which champions the case for One Planet Living. It specialises in working with business organisations to implement programmes designed to understand, measure and reduce the carbon and ecological impacts associated with both the built environment and day to day business activities.

*The regulatory environment surrounding energy and climate change is complex and constantly changing.*

*The DEC Advisory Programme (DECAP) enables public sector bodies to comply with current and impending regulations and provides a framework for dealing with future changes.*

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## Key Drivers

Despite the need for increased industrial energy efficiency, studies indicate that cost-efficient energy conservation measures are not always implemented. The forthcoming requirement for Display Energy Certificates (DEC) to be displayed in all public sector organisations has led **Rodbaston College** and **CarbonPlan** to jointly develop the **DEC Advisory Programme** which offers public sector organisations a cost effective way to understand the drivers, risks, costs and benefits involved in energy efficiency while complying with the need for DECs. The key drivers for the uptake of this programme are:

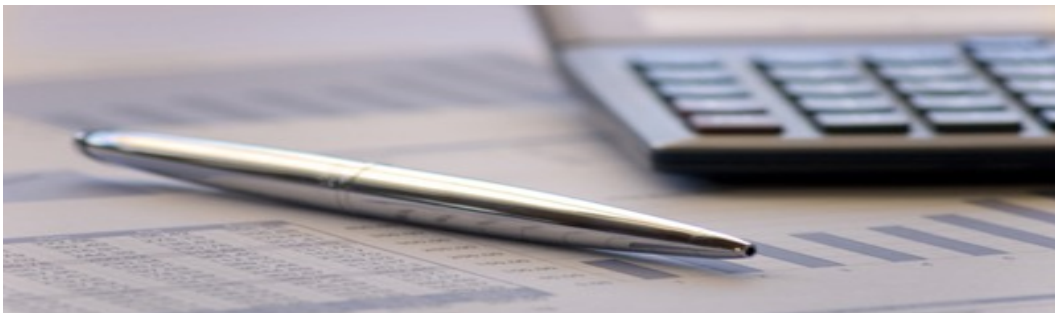
- Regulatory Compliance
- Fiscal savings
- Carbon footprint reduction
- Risk management
- Marketing and branding
- Enhanced public perception through responsible and ethical management

## Display Energy Certificates

Display Energy Certificates (DECs) show the actual energy usage of a building, the Operational Rating, and help the public see the energy efficiency of a building. This is based on the energy consumption of the building as recorded by gas, electricity and other meters. The DEC should be clearly displayed at all times in a prominent place clearly visible to the public. A DEC is always accompanied by an **Advisory Report** that lists **cost effective measures to improve the energy rating of the building**.

Currently DECs are only required for buildings that are occupied by a public authority or an institution providing a public service to a large number of persons that with a total useful area greater than 1000m<sup>2</sup>. This obligation was introduced as law and is to be enforced by Trading Standards Officers.

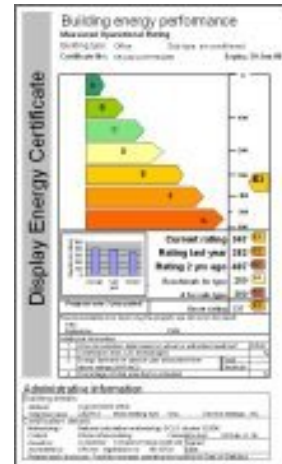
- **DECs are valid for one year**
- **The accompanying Advisory Report is valid for 7 years**
- **The legal requirement for DECs comes into effect on the 1<sup>st</sup> October 2008**



## Who requires Display Energy Certificates?

Within the guidance published to date the following types of organisations must have a DEC displayed in a prominent position in each building which is over 1,000 m<sup>2</sup> which has been occupied for more than 15 months. If occupied for less than 15 months then a DEC is only required if an EPC has been created for the building.

- Central and local government
- NHS trusts
- Schools & higher education authorities
- Police
- Courts
- Prisons
- MOD
- Army
- Executive agencies
- Statutory regulatory bodies



## Responsibilities and penalties

It is the responsibility of the public authority or relevant institution providing a public service to display a DEC in **each of their buildings affected by the legislation** and have in their possession a valid Advisory Report for each of these buildings which conveys recommendations to improve energy performance.

The penalty is £500 for failing to display a DEC at all times in a prominent place clearly visible to the public and £1,000 for failing to have possession of a valid advisory report. In addition to these penalties, it is still necessary to commission the documents.



*CarbonPlan believes that climate change is the most pressing issue facing public sector organisations and private businesses around the world. For our part, we will continue to ensure that we consider the financial and regulatory impacts alongside social and environmental issues for our clients' thereby ensuring that the services we provide add value at every stage*

## DEC Advisory Programme

To ensure that we add value we have developed a range of services within the DEC Advisory Programme. These are based upon the level of service required and the quality of data that is available. These 3 levels of service offer flexibility while still ensuring that value for money is delivered.



**Silver** (£1,500 per certificate) – Minimum requirement to develop Display Energy Certificate and Advisory Report. Requires client to supply:

- Architectural drawings
- Energy consumption data
- Occupational data



**Gold** (£3,350 per certificate) – To provide a display Energy Certificate and Advisory Report where insufficient data is available to complete DEC and AR. Requires consultancy to:

- Develop architectural drawings for buildings on AutoCAD
- Analyse energy bills to produce consumption profiles
- Analyse occupation usage data to provide realistic profile
- Put systems in place to reduce management burden in subsequent years



**Platinum** – As for Silver or Gold standard (depending on data integrity) but providing future proof **“low carbon business”** solutions to the institution:

- Carbon footprint calculation for whole campus
- Full energy and buildings analysis of ALL campus buildings
- Analysis of existing infrastructure
- Energy efficiency feasibility study (Building fabric improvements)
- Renewable energy feasibility study (Low and zero carbon technologies)
- Advice on Environmental Management Systems (ISO 14000)
- Risk analysis (regulatory and financial)
- Analysis of carbon and financial savings available
- Applications for external funding
- Roadmap to **“low carbon business”**
- Implementation plan for selected solution