

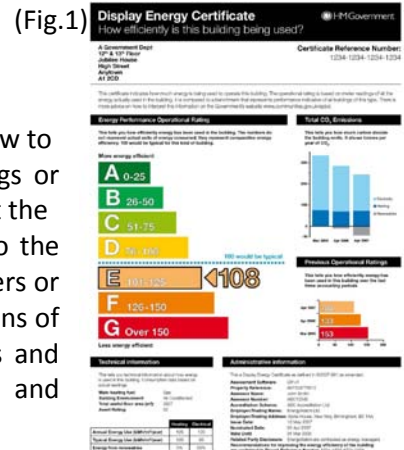
Equazion Limited Fact Sheet on EPC's, DEC's, CRC's & Smart Metering

Energy Performance Certificates (EPC)

A commercial EPC provides an energy rating for a building which is based on the performance potential of that building. Services such as lighting, heating and ventilation are taken into account as well as the way in which these services are controlled and managed. The industry standard A to G energy rating will be provided on the certificate reflecting the intrinsic energy performance standard of the building relative to benchmark (please see fig.1).

Do you require an EPC?

As of the 1st October 2008 sellers and landlords are required by law to Provide an Energy Performance Certificate (EPC) for all buildings or part of buildings when they are sold or rented. Those carrying out the construction of a building will be required to provide an EPC to the owner. An Energy Performance Certificate gives prospective buyers or tenant's information on the energy efficiency and carbon emissions of a building which is essential in the modern climate for buyers and tenants to assess and establish efficiencies, cost reduction and achieving a low carbon footprint.



How do you get an EPC?

Only accredited buildings energy assessors are allowed to issue you with an Energy Performance Certificate and Recommendation Report. Equazion Limited has registered assessors and partners who are trained and qualified to the highest standards to assess the recommendation report and amend recommendations where appropriate. This makes the report much more bespoke to your specific needs. Our experience in commercial property and energy assessment methods allows us to offer the very best and most up to date information and services in line with current legislation and best practice.

Display Energy Certificates (DEC)

Display Energy Certificates provide the building occupier with an illustrated certificate highlighting the actual energy consumption over a year period, which is then broken down into CO₂ emissions and compared to a benchmark figure and graded on an Industry Standard Scale from A to G.

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Do you require a DEC?

Since 1st October 2008 as part of the Energy Performance of Building Directive you will legally require a DEC if your building is occupied by a public authority or an institution providing a public service to a large number of people and has a total useful area greater than 1000m². Examples of buildings affected include council buildings, schools, leisure centres, hospitals and libraries, etc. You may choose to have a DEC as part of your energy efficiency management programme in order to recognise your existing current and potential energy efficiency and raise awareness amongst your staff.

Benefits of a DEC

- Compliance with legal requirements and avoidance of a £1,500.00 Fine
- Raise public awareness of energy use and encourage the reduction of energy
- Improve energy efficiency and ultimately cost savings

How do you get a DEC?

Only accredited building energy assessors are allowed to issue you with a Display Energy Certificate and Advisory Report. Equazion Limited has a team of registered assessors and partners who are highly experienced and qualified to provide this.

Carbon Reduction Commitment (CRC)

Carbon Reduction Commitment (CRC) is a mandatory scheme to facilitate the United Kingdom to reduce its carbon emissions as far as is practical.

Organisations which fall within the CRC scheme will be required to monitor energy consumption, and then purchase allowances annually to cover the associated carbon emissions. The money raised, will then be recycled by the Government back to participants at the end of the year, which will be represented in the form of a league table. Better performers will gain capital credit. Poor performers will incur capital loss.

Does your organisation fall under the Carbon Reduction Commitment scheme? Do you pay electricity bills?

If you are a company or body which owns or occupies large property portfolios such as; NHS trusts, Local Authorities, Retailers, Property Companies or Hotels then the answer is likely to be yes!



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Based on 2008 energy consumptions,

- If your half hourly bills add up to more than £500,000 per annum (exceeding 6,000 MWh per annum) you will be required to participate.
- If you are part of a multi-divisional organisation, then all divisions and subsidiaries must be accounted and collated.
- If your organisation offers franchises, it is the franchisor who is responsible for aggregating consumption and complying with CRC

If so, you need to act now to be prepared for when this mandatory carbon trading scheme becomes live in 2010.

You need to:

- List all your buildings and their locations where you pay the electricity bills
- Identify the electricity, gas and oil meters for each of these
- Recognise which of these you pay the bill for
- Start monitoring your energy consumption

CRC involves calculating carbon emissions over each year and will cover all building energy, such as; electricity, gas, oil, coal, but does not include transport fuel.

How can you help?

Equazion Limited has a team of energy specialists who can measure and interpret CO₂ emissions data. Using your half-hourly data we can tell you where energy is being wasted, where building systems are not balanced and ultimately improve building and process efficiency to reduce costs. With our web-management package you can remotely monitor your energy consumption, providing real time tracking.

If you don't have half-hourly meters, Equazion Limited can provide and retro-fit our uniquely designed half-hourly Opti-Pulse GSM meters, which will instantly upgrade your existing meters, which can be directly linked to our fully web-enabled Smart Metering service.

Our specialists will highlight prioritised energy reduction and efficiency solutions. Fundamentally our aim is to reduce energy demands and deliver reduction in emissions outputs. This reduces costs, helps meet corporate objectives and delivers your CRC compliance management.



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Smart Metering

Equazion Limited has a fully web-enabled Smart Metering service to help any organisation, utilities or facilities management provider.

With our web-management package we can remotely monitor your existing half-hourly energy and utility meters, providing real time tracking. The web-accessed dashboard shows all you need to know on one simple screen:

- Consumption Graphing
- Cost Graphing
- Automatic sending of PDF Reports
- Day View
- Week View
- Month View

With this data, you can then drive energy efficiency and reduction programmes to deliver significant cost savings. Our energy specialists can interpret data and tell you where energy is being wasted, where building systems aren't balanced and ultimately improve building and process efficiency to reduce costs.

If you don't have half-hourly meters, Equazion Limited can provide and retro-fit our uniquely designed half-hourly Opti-Pulse GSM meters, which will instantly upgrade your existing meters.

Equazion Limited's remotely accessed, wireless Opti-Pulse GSM uses ground breaking GPRS technology sending half hourly data via e-mail. It is easily installed using our "fit in 60 seconds" technology. With 3 inputs you can monitor 3 utilities using the one meter box.

Once installed the wireless meter will send half hourly metering data seamlessly transferred from our smart meter readers to the dashboard servers via GSM (Mobile Phone) communications.



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