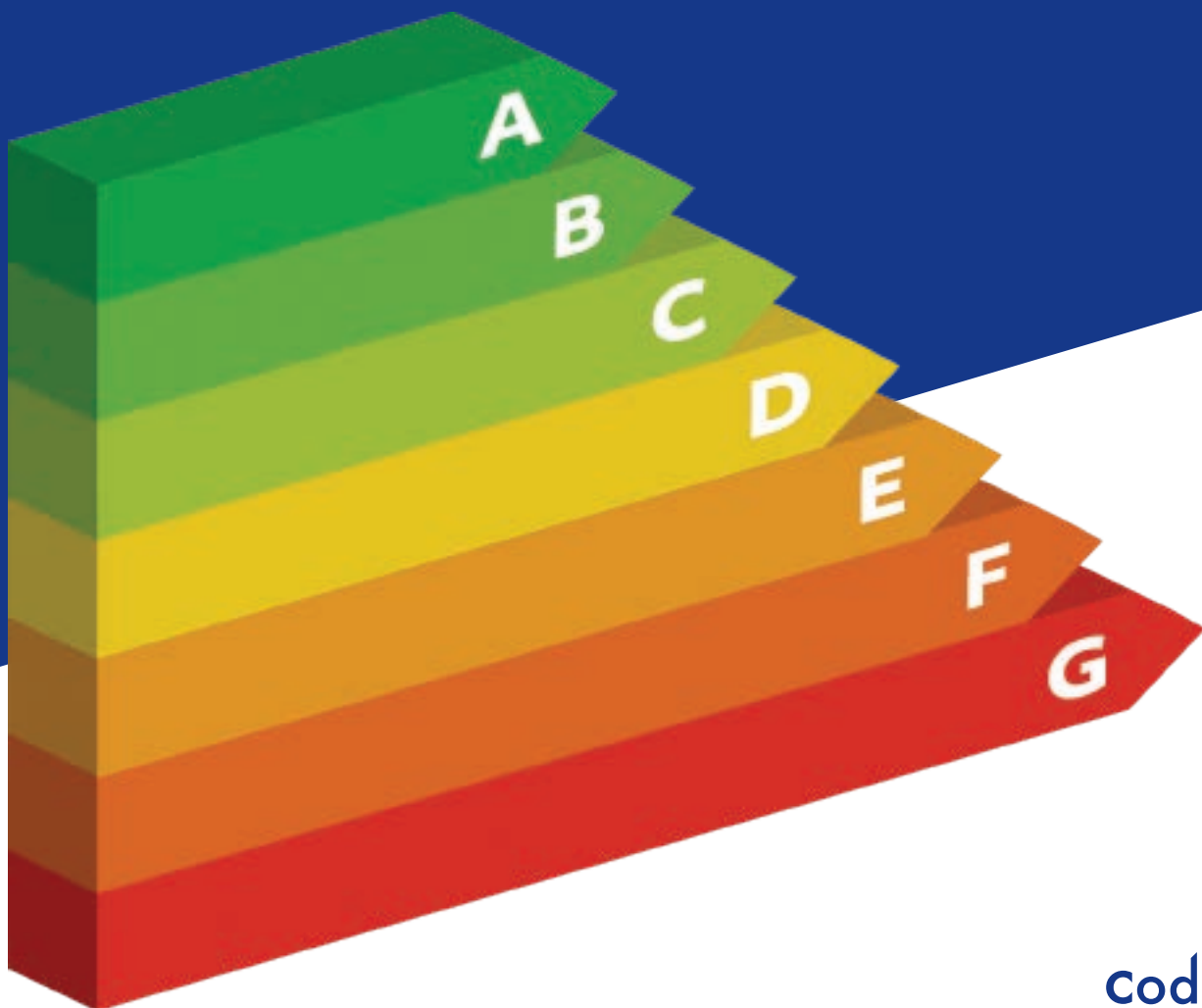


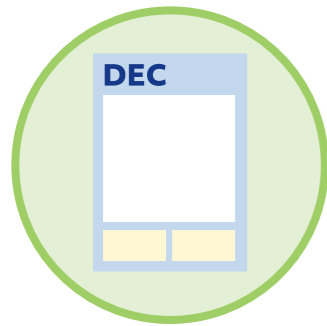
Think **E**nergy

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# A Guide to Display Energy Certificates for Local Authority Buildings

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### WHAT IS A DISPLAY ENERGY CERTIFICATE?

A Display Energy Certificate (DEC) shows the energy performance of a building based on actual energy consumption recorded over the last 12 months. It compares the actual energy use against the energy use for a benchmark building of the same type. Similar to a domestic Building Energy Rating (BER), DEC's are displayed on a scale from A to G, with an A rating being the most efficient and a G rating being the least efficient.



### WHEN IS A DEC REQUIRED?

Any building with a floor area greater than 250m<sup>2</sup> which is frequently visited by the public is required to display a DEC in a prominent, public place. Additionally, public bodies may wish to provide their DEC via a website or other publicly accessible media. The requirement of a DEC for public buildings aims to encourage more environmentally-considerate decisions in relation to energy use, overall efficiency and carbon emissions.



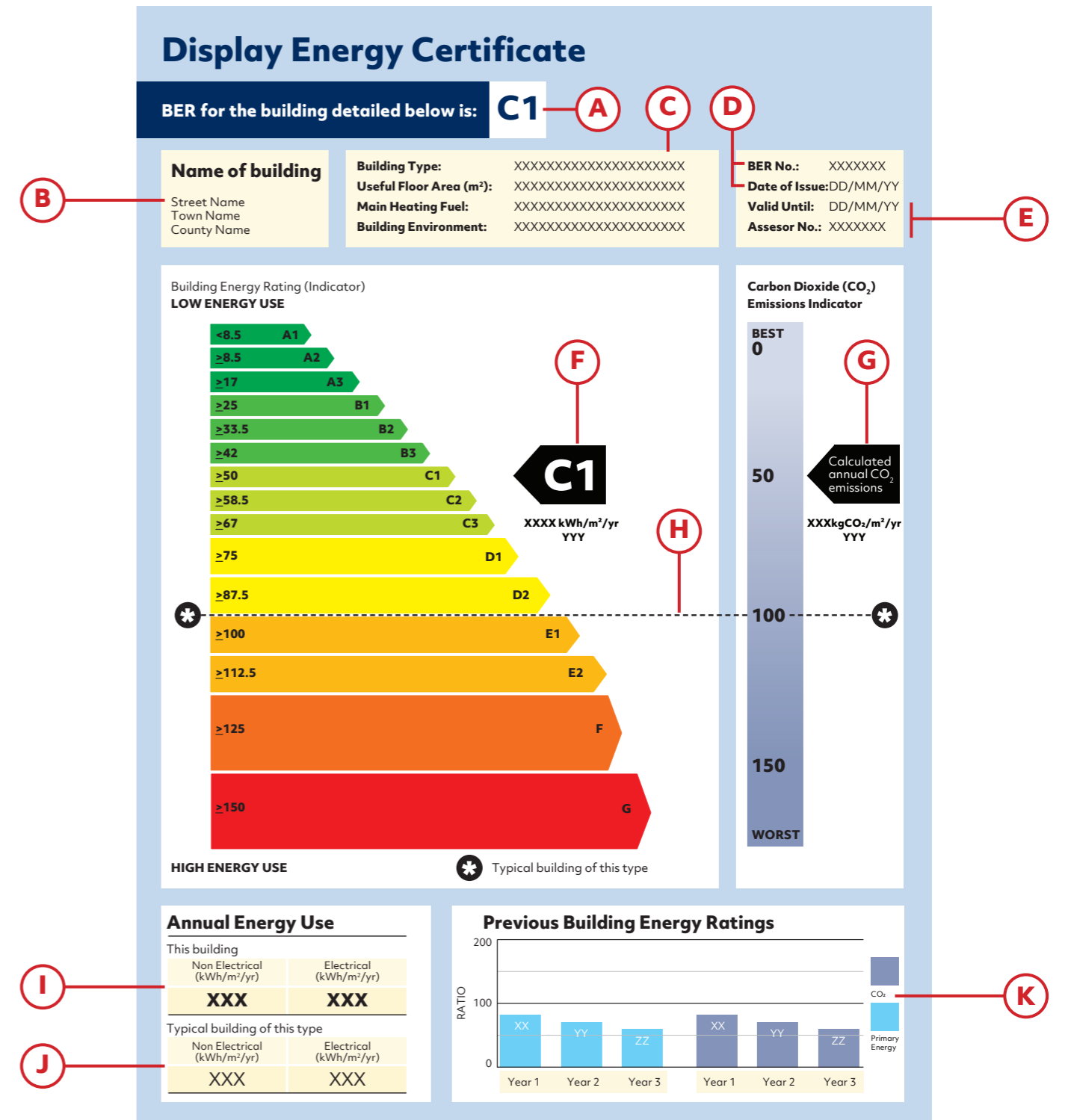
### DIFFERENCE BETWEEN DEC'S AND BER'S

A Building Energy Rating (BER) can be used for domestic and non-domestic purposes. In contrast to the DEC, the BER is an indication of the *predicted* energy performance of a building (also known as an asset rating of a building). It does not take into account the energy consumption of the building but is an indication of how well the building *should* perform. The DEC however is based on *actual* energy consumption of the building.



### HOW IS A DEC PRODUCED?

To produce a DEC, a Public Building Energy Assessor will have to survey your building. The first step of the assessment involves the recording and analysis of your energy bills of the previous year. Starting with a general external appraisal of the building, the Assessor will then walk through the building with the relevant staff member to discuss any outstanding issues affecting energy use. The building area is measured and the walk-through audit identifies specific observations in terms of boiler type, space heating, water heating, heating controls, lighting, ventilation and window type. All information gathered during the audit is then compiled to generate the DEC.








- A** Display Energy Certificate rating (also known as Actual Building Energy Rating)
- B** Name and address of the building
- C** Technical information about the building, e.g. floor area, fuel type, etc
- D** Unique Building Energy Rating number
- E** Information about the expiry date of DEC and Assessor's Registration Number
- F** DEC rating for building and consumption in terms of kWh/m<sup>2</sup>/yr and DEC point scale
- G** CO<sub>2</sub> emissions emitted by the building in terms of kgCO<sub>2</sub>/m<sup>2</sup>/yr and DEC point scale
- H** Benchmark for typical building of this type (representing 100 points on the DEC scale)
- I** Annual Energy Use of building in kWh/m<sup>2</sup>/yr in terms of electrical and non-electrical
- J** Annual Energy Use of typical building of similar type
- K** Comparison of current DEC with previous 2 years to show any significant energy savings



## WHO IS CODEMA?

Codema is Dublin's Energy Agency with a team of 10 staff who have qualifications in the areas of Engineering, Environmental Science, Sustainable Development, Communications, Marketing, Project Management and Financial Administration. Codema is funded by the four Dublin local authorities and we offer a set of energy services to these local authorities in order to help reduce energy consumption in line with national and European targets.

These key services include:

 <b>ENERGY AWARENESS</b>	 <b>ENERGY IN BUILDINGS</b>	 <b>ENERGY POLICY &amp; PLANNING</b>	 <b>MATCH FUNDING</b>	 <b>PROJECT MANAGEMENT</b>
<ul style="list-style-type: none"> <li>• Energy Awareness Programmes</li> <li>• Staff Engagement</li> <li>• Energy Ambassadors</li> <li>• Educational Workshops &amp; Events</li> <li>• Energy Days</li> </ul>	<ul style="list-style-type: none"> <li>• Energy Database</li> <li>• Energy Surveys</li> <li>• Display Energy Certificates</li> <li>• M&amp;R Reporting</li> <li>• Renewable Energy</li> <li>• Energy Efficiency Upgrades</li> <li>• Register of Opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• Sustainable Energy Action Plans</li> <li>• Energy Demand Maps</li> <li>• Strategic Local Energy Planning</li> <li>• District Heating</li> <li>• Advice on Development Plans and Policy Papers</li> </ul>	<ul style="list-style-type: none"> <li>• Match Funding from European programmes</li> <li>• European Cooperation</li> <li>• National Funding Applications</li> </ul>	<ul style="list-style-type: none"> <li>• EU Project Management</li> <li>• EPC Facilitation</li> <li>• Procurement Facilitation</li> </ul>



## WHAT CODEMA CAN DO FOR YOU?

Brian Connolly is Codema's Energy Manager. He is a qualified Public Building Energy Assessor who surveys the required Council buildings on an annual basis. Brian can generate a DEC for you and also help you with any questions you may have on your rating or your building's overall energy consumption and how to reduce this.

## CONTACT CODEMA

Why not contact Codema and find out how we can help you as part of the core services we deliver to your Local Authority. We would be delighted to hear from you!

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