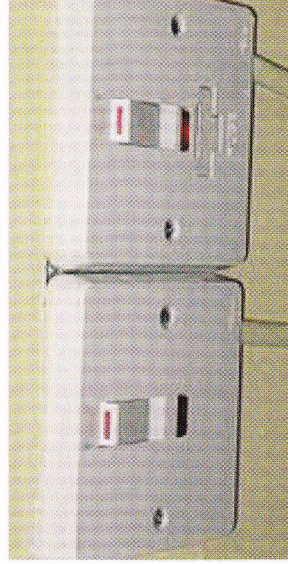


The **output switch** sets when the heat is released. You can set it to be the same all day – gradually cooling off in the afternoon or evening or you can set it to have a boost in the second half of the day.

Power switches

Off peak and on peak power supplies to storage space heater.

Storage heaters usually provide two power circuits, one for on-peak and one for off-peak electricity, and two power switches, which are switched off during the summer when heat is not required. During other months the off-peak switch can be left on at all times, with the on-peak switch being used when insufficient energy has been stored during off-peak times. The amount of heat that is stored can be altered using the controls on the storage heater unit. Normally the on-peak will have a fuse as it is part of another circuit. The off-peak will just be a switch as it has a dedicated circuit.



Off peak

On Peak

When you change the setting for a heater, it does not happen immediately. It will take 24 hours to come into effect

The poster below is one deliverable of the project which is specific to each individual building, displaying their energy usage during unoccupied hours.



Cork County Council buildings **use on average 53% of their energy** in unoccupied hours.

This building uses %

www.energia.ie

energia

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Communicate Your Building Energy Rating

Cork County Council buildings **use on average 53% of their energy** in unoccupied hours.

Take Control!

Supported by

Intelligent Energy  Europe

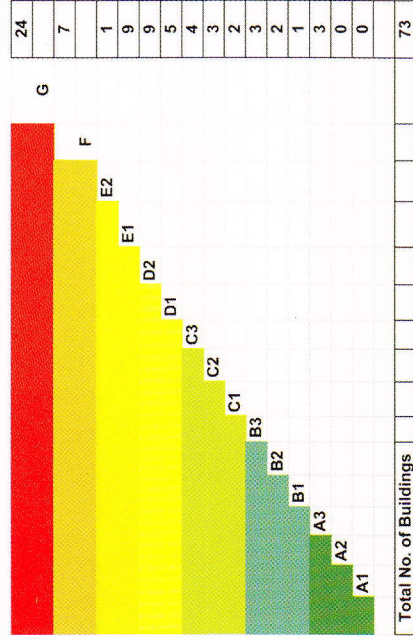
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INTRODUCTION

The Communicate Your Buildings Energy Rating (CYBER) project is a 30-month project. Funded through the Intelligent Energy Europe call of the European Commission. The objective of CYBER is to show that reducing the energy consumption of buildings in Europe, can be significantly accelerated if Local Authorities stimulate behavioural change by communicating the performances of their buildings to all building users.

Cork County Council's Energy Agency in collaboration with 15 other European organisations are involved in this project. The work programme involves the rollout of a significant campaign aimed at building users (staff and public) the initial DEC (Display Energy Certificate) ratings were carried out on all of our public buildings exceeding requirements of EPBD.



CCC Buildings Ratings

What you can do at work every day to make a difference!!!

By taking the chance to become more energy conscious, you will make a difference! Remember, this planet is only on loan to us from our children.

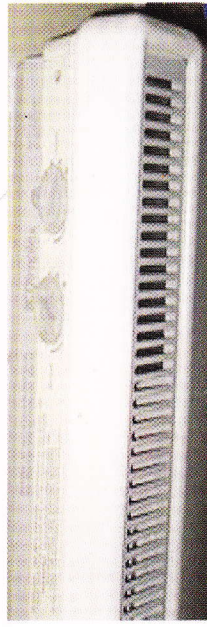
1. Turn off computers when not in use, do not leave on stand-by mode, as this can use up to 50% of normal running power.
2. Make sure to turn off lights when office is unoccupied e.g. tea breaks and lunch time and turn off all lights when leaving at night.
3. Better positioning of workstations can result in more and better use of natural light.
4. Don't leave chargers plugged in when not in use, as they are still using electricity.
5. Always ensure that all other office equipment such as printers, scanners and photocopiers are switched off at end of the day.
6. Don't print off emails and attachments unless you really need to and try to recycle paper.
7. When buying equipment, choose energy efficient A and B labels.
8. Make sure that radiators are not blocked by office furniture, so warm air can circulate around the room.
9. Don't overfill the kettle at work—if you are making just a one cup of coffee, then use just that amount of water.
10. Be sure to keep doors closed at all times. Did you know that heat escapes from a warm room like smoke would escape from a smoke filled room?

One of the primary electrical uses in Cork County Council buildings during unoccupied hours are storage heaters

How Electric Storage Heaters Work

Electric storage heaters store heat from electricity provided at the cheaper night time/off-peak rate. The stored heat is released the following day. The core of the heater consists of electrical elements embedded in insulating material (in the shape of a brick). This releases the heat slowly and has been designed to keep warm for the whole of the following day. Storage heaters give out their heat in two ways:

- By radiation from the front panel. This cannot be turned down, so the heater will give out some radiant heat at night when it is charging up.
- By convected heat in the form of warm air. Storage heaters usually have two controls - **INPUT**, which controls the amount of heat stored, and **OUTPUT**, which controls the rate at which heat is released.



The input switch regulates the temperature omitted and some experimenting may be needed to regulate the temperature but for example, in the middle of winter, it is often appropriate to turn the input switch to its maximum setting. There is no need to touch the input switch on a daily basis if the same sort of weather prevails for weeks at a time.