



HOME CONDITION REPORT

10 Mountain Ash Avenue
Leigh-on-Sea
Essex
SS98 4YY
United Kingdom

Report reference number (RRN) **SA3675892**

Inspection date **9 June 2006**

SAMPLE

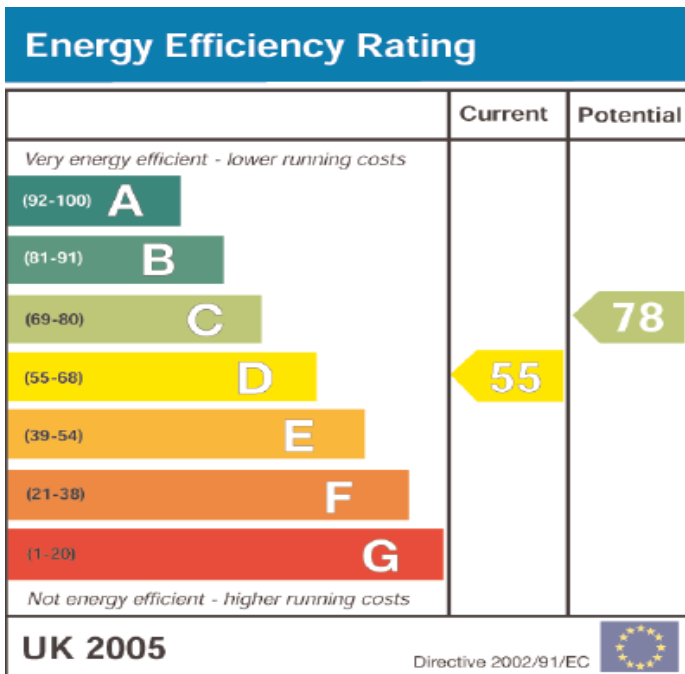
Section H Energy Performance Certificate

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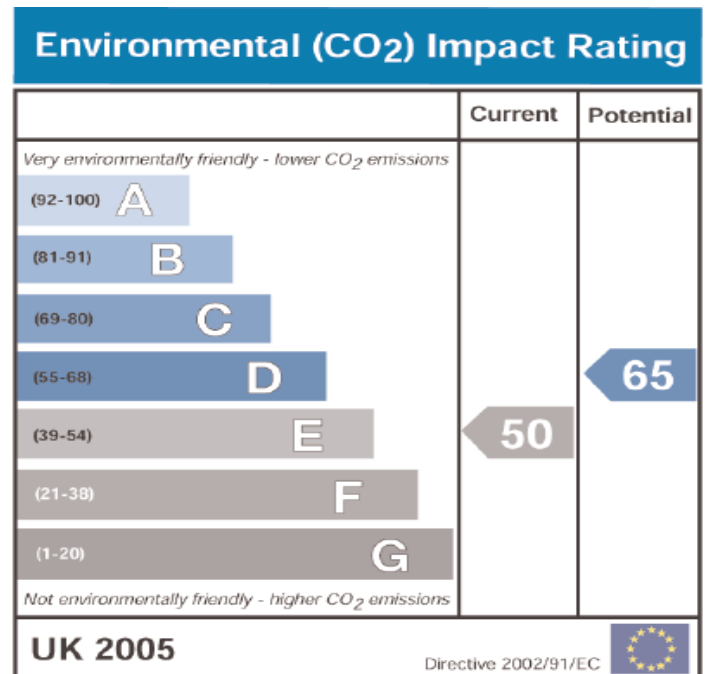
Dwelling type: Detached Bungalow
 Home inspector's name: John Brown
 Date of inspection: 9 June 2006
 Date of making the report: 8 June 2206
 Certificate number: 13024
 Floor area: 64 sq metres

The home's performance ratings

This home has been assessed using the UK's Standard Assessment Procedure (SAP) for dwellings. Its performance is rated in terms of the energy use per square metre of floor area, energy efficiency based on fuel costs and environmental impact based on Carbon Dioxide (CO₂) emissions.



The energy efficiency rating is a measure of the overall efficiency of a home. The higher the rating the more energy efficient the home is and the lower the fuel bills will be.



The environmental impact rating is a measure of a home's impact on the environment in terms of Carbon Dioxide emissions. The higher the rating the less impact it has on the environment.

Estimated energy use, Carbon Dioxide (CO₂) emissions and fuel costs of this home

This table provides an indication of how much it will cost to provide lighting, heating and hot water to this home. The fuel costs and Carbon Dioxide emissions are calculated based on a SAP assessment of the energy use. This makes standard assumptions about occupancy, heating patterns and geographical location. The energy use includes the energy used in producing and delivering the fuels to this home. The fuel costs only take into account the cost of fuel and not any associated service, maintenance or safety inspection costs. The certificate allows one home to be compared with another, but always check the date the certificate was issued. Since fuel prices can increase over time, an older certificate may underestimate the property's fuel cost.

	Current	Potential
Energy use	261 kWh/m ² per year	178 kWh/m ² per year
Carbon dioxide emissions	3.50 tonnes per year	2.46 tonnes per year
Lighting	£34.71 per year	£34.71 per year
Heating	£222.29 per year	£135.73 per year
Hot water	£47.25 per year	£47.25 per year

To see how this home can achieve its potential rating please see the recommended measures.

Summary of this home's energy performance related features

The following is an assessment of the key individual elements that have an impact on this home's performance rating. Each element is assessed against the following scale: Very poor/Poor/Average/Good/Very good.

Element	Description	Current performance
Main walls	Cavity (as built)	Poor
Main roof	Pitched, 150mm loft insulation	Good
Main floor	Uninsulated solid concrete (assumed)	Average
Windows	100% double glazed or better. During or post 2002	Good
Main heating	Mains gas boiler	Average
Main heating controls	Programmer, TRVs and bypass	n/a
Secondary heating	None	n/a
Hot water	From main	n/a
Lighting	Mostly low energy lighting	Good
Current energy efficiency rating		D 59
Current environmental impact rating		D 57

Recommended measures to improve this home's performance ratings

The measures below are cost effective. The performance ratings after improvement listed below are cumulative, that is they assume the improvements have been installed in the order that they appear in the table.

Lower cost measures (up to £500)	Typical savings	Performance ratings after improvement	
		Energy efficiency	Environmental impact
1 Put 150mm jacket on hot water cylinder	£25.00	D:60	D:58
2 Upgrade loft insulation to 250mm	£6.75 per year	D:62	D:60
3 Fully fill wall cavity with blown fibre	£80.00 per year	C:70	C:70
	Sub-total £86.75 per year		
Higher cost measures (over £500)			
4 Improve TRVs, programmer & boiler manager	£2.75 per year	C:71	C:70
	Total £89.50 per year		
Potential energy efficiency rating			C:71
Potential environmental impact rating			C:70

The further measures below could deliver even higher standards for this home.

Solar Water heating. A solar collector coupled with solar water storage reduces the fuel needed for domestic hot water.

Photovoltaics. A solar collector which generates electricity for use in the home or for sale to the National Grid.

Improvements to the energy efficiency and environmental impact ratings will usually be in step with each other. However, they can sometimes diverge because reduced energy costs are not always accompanied by reduced Carbon Dioxide emissions.

About the measures to improve this home's performance ratings

Lower cost measures (typically up to £500 each)

These measures are relatively inexpensive to install. Some of them may be installed as DIY projects. DIY is not always straightforward, and sometimes there are health and safety risks, so take advice from an energy advisor before carrying out DIY improvements.

1 Upgrade loft insulation to 250mm

The anticipated cost is based upon a contractor installing an additional 100mm of glass fibre or mineral wool insulation in your loft, but it can also be installed by a capable DIY enthusiast. If you choose the DIY installation then take care not to block ventilation at the edge of the loft space as this may cause condensation. When handling the insulation always wear gloves and masks.

2 Fully fill wall cavity with blown fibre

The external walls of your home are built with a gap, called a cavity, between the inside and outside layers of the wall. Cavity Wall insulation fills this gap with an insulating material. The material is pumped into the gap through small holes, which are drilled into the outside layer of the walls (the small holes are sealed afterwards). Because this involves using specialist machinery, a professional installation company must carry out the work. The contractor will thoroughly survey your walls before commencing work to be sure that this type of insulation is right for your home, and provide a guarantee for the work.

Higher cost measures (typically over £500 each)

3 Improve thermostatic radiator valves (TRVs), programmer & boiler manager

The heating system is controlled by TRVs but does not include a room thermostat. This means the boiler continues to operate even when no heating is required – even when the TRVs have turned off the radiators, the boiler is still burning fuel and wasting your money. Ask for a thermostat to be located in the lounge and insist it switches off the boiler as well as the pump.

Further measures

Solar water heating can make a significant contribution to the supply of domestic hot water for use in the home while reducing the amount of fuel needed. This uses radiation from the sun to heat water and typically requires the installation of a collector on a southerly facing roof slope or on a free-standing tilted frame.

Solar photovoltaics are used to generate electricity from daylight for use in the home. Photovoltaic modules can be fitted on top of an existing roof structure using a properly designed support structure.

About this energy inspection

This inspection has been undertaken by a qualified Inspector who has received appropriate training to collect the correct information about the energy performance of homes. This information has been processed by a Government approved organisation to produce the energy performance certificate and the recommendations for improvements in this report. Both the Inspector and the energy performance certificate supplier are regularly monitored to ensure that their work is up to standard.

For clarification of the technical information in this energy performance certificate please contact: the Home Inspector.

About this home's performance ratings

The ratings provide a measure of the overall energy efficiency of this home and its environmental impact. Both are calculated using the Standard Assessment Procedure (SAP), which is the Government's recommended system for assessing the energy performance of dwellings. The ratings take into account the home's insulation, heating systems, hot water system, fixed lighting, ventilation, number of windows and fuels used.

Not all of us use our homes in the same way so to allow one home to be directly compared to another, energy ratings are calculated using 'standard occupancy' assumptions. Standard occupancy is based on a home in a central UK location and assumes that during the heating season the home is heated for 9 hours a day during weekdays and 16 hours a day at weekends, with the living room heated to 21°C and the rest of the house at 18°C.

The ratings are expressed on a scale of 1 to 100. The higher the energy efficiency rating the more energy efficient the home and the higher the environmental impact rating the less impact it has on the environment.

Homes which are more energy efficient use less energy, saving money and helping to protect the environment. The cost of providing lighting, heating and hot water to a home with an energy efficiency rating of 100 would be practically zero. Similarly the Carbon Dioxide emissions from lighting, heating and hot water for a home with an environmental impact rating of 100 would be practically zero.

The potential ratings shown above describe the energy performance of the home assuming all cost effective measures have been installed. For comparison a home built to the 2006 Building Regulations would typically be around the boundary of bands B and C.

This home's impact on the environment

Carbon dioxide is one of the biggest contributors to the man-made greenhouse effect. We all use energy every day – at home, at work and when we travel. To generate that energy, we burn fossil fuels (coal, oil and gas) that produce 'greenhouse' gases – particularly Carbon Dioxide – which are changing our climate and damaging the environment. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's Carbon Dioxide emissions.

The average household in the UK creates about six tonnes of Carbon Dioxide every year. There are simple steps you can take to cut Carbon Dioxide emissions and help prevent climate change. Making your home more energy efficient by adopting the suggestions in this report can help protect the environment by reducing Carbon Dioxide emissions. You could reduce your emissions even more by switching to renewable energy sources.

What can I do today?

In addition to the specific measures suggested in this report, don't forget there are many simple measures you can put into action today that will save you money, help reduce your impact on the environment and improve the comfort of your home.

For example:

- Check that your heating system thermostat is not set too high (21°C in the living room is suggested) and use the timer or programmer to ensure you only heat your home when necessary.
- Make sure your hot water is not too hot. Your cylinder thermostat shouldn't need to be set higher than 60°C/140F.
- Turn off lights when not needed and do not leave appliances on standby. Remember not to leave chargers (e.g. for mobile phones) turned on when you are not using them.



Remember to look for the energy saving recommended logo when buying energy efficient products. It's a quick and easy way to identify the most energy efficient products on the market.

For advice on how to take action and to find out about offers available to help make your home more energy efficient call 0800 512 012 or visit www.est.org.uk/myhome



When the report is complete

All home condition reports are held on a register kept by or on behalf of the Government in accordance with regulations made under the Housing Act 2004. Under those regulations, a copy of this home condition report can be inspected on-line at [hcrportal@address] by entering its unique reference number SA3675892. Entering this number allows anyone to inspect the report so you should not give it to someone unless you are happy for them to see the report. If you give someone the reference number and wish to prevent others from inspecting the report, you should tell the recipient that you do not want the number to be further disclosed.

Home Inspector's signature

Note: Facsimile signature taken from in the database)

Inspector's licence number:

42764

Name:

John Brown

Qualifications:

FRICS

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E-mail address:

homeinspections@townside.co.uk

Date of making the report:

9 June 2006

What to do if you have a complaint

If you have a complaint about this Home Condition Report or the Home Inspector who carried it, out you should follow the procedures set out below.

- Ask the company who provided the report, (the company named on the front of the report) or the Home Inspector who carried it out to give you a copy of their complaints handling procedure. All companies must have a written procedure and make it available to you if you ask.
- Follow the guidance given in the document, which includes making a formal complaint.
- Companies that provide home condition reports must handle your complaint in accordance with their procedure.

You may ask [scheme name] [scheme address] to investigate the complaint if:

- your complaint is about an allegation of criminal activity;
- the company fails to handle your complaint in line with their procedure; or
- you are not happy with how they have handled your complaint.

If you are the seller and believe that the report is incorrect. You should report this to the company that provided the report (or the Home Inspector who carried out the inspection).

- If the company or the Inspector agrees that details are not correct, they will give a corrected report and ask for the inaccurate report to be removed from the register of home condition reports.
- If the company or Inspector do not agree, you may complain to [scheme name] and apply to have the report removed from the register of home condition reports.