

# Energy Performance Certificate



## Address of dwelling and other details

TOFTHILL,  
PARK AVENUE,  
DUNBAR, EH42 1BH

Dwelling type: Detached house  
Name of approved organisation: D M Hall Chartered Surveyors LLP  
Membership number: RICS124117  
Date of certificate: 11 December 2008  
Reference number: 5090-2987-0920-4007-1283  
Total floor area: 156 m<sup>2</sup>  
Main type of heating and fuel: Boiler and radiators, mains gas

## This dwelling's performance ratings

This dwelling has been assessed using the RdSAP 2005 methodology. 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 (CO<sub>2</sub>) emissions. CO<sub>2</sub> is a greenhouse gas that contributes to climate change.

Energy Efficiency Rating		Current	Potential	Environmental Impact (CO <sub>2</sub> ) Rating		Current	Potential
Very energy efficient - lower running costs				Very environmentally friendly - lower CO <sub>2</sub> emissions			
(92 plus)	A			(92 plus)	A		
(81-91)	B			(81-91)	B		
(69-80)	C			(69-80)	C		
(55-68)	D	58	64	(55-68)	D		
(39-54)	E			(39-54)	E	51	56
(21-38)	F			(21-38)	F		
(1-20)	G			(1-20)	G		
Not energy efficient - higher running costs				Not environmentally friendly - higher CO <sub>2</sub> emissions			
<b>Scotland</b>		EU Directive 2002/91/EC 		<b>Scotland</b>		EU Directive 2002/91/EC 	

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 are likely to be.

Approximate current energy use per square metre of floor area: 267 kWh/m<sup>2</sup> per year

Approximate current CO<sub>2</sub> emissions: 48 kg/m<sup>2</sup> per year

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO<sub>2</sub>) emissions. The higher the rating the less impact it has on the environment.

## Cost effective improvements

Below is a list of lower cost measures that will raise the energy performance of the dwelling to the potential indicated in the tables above. Higher cost measures could also be considered and these are recommended in the attached energy report.

- |   |                                 |
|---|---------------------------------|
| 1 Increase loft insulation to 270 mm        | 3 Hot water cylinder thermostat |
| 2 Low energy lighting for all fixed outlets |                                 |

*A full energy report is appended to this certificate*



Information from this EPC may be given to Energy Saving Trust to provide advice to householders on financial help available to improve home energy efficiency.

For advice on how to take action and to find out about offers available to make your home more energy efficient, call 0800 512 012 or visit [www.energysavingtrust.org.uk](http://www.energysavingtrust.org.uk)

**N.B. THIS CERTIFICATE MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED VERSION**

## Energy Report

The Energy Performance Certificate and Energy Report for this dwelling were produced following an energy assessment undertaken by a member of RICS for Scotland. This is an organisation which has been approved by the Scottish ministers. The certificate has been produced under the Building (Scotland) Amendment Regulations 2006 and a copy of the certificate and this energy report have been lodged on a national register.

Assessor's name: Mr. Gordon Stuart  
 Company name/trading name: D M Hall Chartered Surveyors LLP  
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Related party disclosure:

### Estimated energy use, carbon dioxide (CO<sub>2</sub>) emissions and fuel costs of this home

	Current	Potential
Energy use	267 kWh/m <sup>2</sup> per year	232 kWh/m <sup>2</sup> per year
Carbon dioxide emissions	7.5 tonnes per year	6.6 tonnes per year
Lighting	£144 per year	£72 per year
Heating	£741 per year	£704 per year
Hot water	£183 per year	£145 per year

Based on standardised assumptions about occupancy, heating patterns and geographical location, the above table provides an indication of how much it will cost to provide lighting, heating and hot water to this home. The fuel costs only take into account the cost of fuel and not any associated service, maintenance or safety inspection. This certificate has been provided for comparative purposes only and enables one home to be compared with another. Always check the date the certificate was issued, because fuel prices can increase over time and energy saving recommendations will evolve.

### About the building's performance ratings

The ratings on the certificate provide a measure of the building's overall energy efficiency and its environmental impact, calculated in accordance with a national methodology that takes into account factors such as insulation, heating and hot water systems, ventilation and fuels used.

Not all buildings are used in the same way, so energy ratings use 'standard occupancy' assumptions which may be different from the specific way you use your home.

Buildings that are more energy efficient use less energy, save money and help protect the environment. A building with a rating of 100 would cost almost nothing to heat and light and would cause almost no carbon emissions. The potential ratings in the certificate describe how close this building could get to 100 if all the cost effective recommended improvements were implemented.

### About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The way we use energy in buildings causes emissions of carbon. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions and other buildings produce a further one-sixth.

The average household causes about 6 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. You could reduce emissions even more by switching to renewable energy sources. In addition there are many simple everyday measures that will save money, improve comfort and reduce the impact on the environment. Some examples are given at the end of this report.

**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.

Elements	Description	Current performance	
		Energy Efficiency	Environmental
Walls	Cavity wall, filled cavity	Good	Good
	Cavity wall, as built, insulated (assumed)	Good	Good
Roof	Pitched, 100 mm loft insulation	Average	Average
	Flat, insulated (assumed)	Good	Good
Floor	Suspended, no insulation (assumed)	-	-
Windows	Fully double glazed	Average	Average
Main heating	Boiler and radiators, mains gas	Good	Good
Main heating controls	Programmer, room thermostat and TRVs	Average	Average
Secondary heating	Room heaters, coal	-	-
Hot water	From main system, no cylinderstat	Average	Average
Lighting	No low energy lighting	Very poor	Very poor
<b>Current energy efficiency rating</b>		<b>D 58</b>	
Current environmental impact (CO <sub>2</sub> ) rating		E 51	

**Low and zero carbon energy sources**

These are sources of energy (producing or providing electricity or hot water) which emit little or no carbon dioxide into the atmosphere. There are none applicable to this home.

