# Energy performance certificate (EPC)



#### **Property type**

Mid-terrace house

#### Total floor area

62 square metres

#### Rules on letting this property

Properties can be rented if they have an energy rating from A to E.

If the property is rated F or G, it cannot be let, unless an exemption has been registered. You can read <u>guidance for landlords</u> <u>on the regulations and exemptions (https://www.gov.uk/guidance/domestic-private-rented-property-minimum-energy-efficiency-standard-landlord-guidance)</u>.

#### Energy efficiency rating for this property

This property's current energy rating is D. It has the potential to be B.

See how to improve this property's energy performance.

Score	Energy rating	Current	Potential
92+	Α		
81-91	B		89   B
69-80	С		
55-68	D	64   D	
39-54	E		
21-38	F		
1-20	G		

The graph shows this property's current and potential energy efficiency.

Properties are given a rating from A (most efficient) to G (least efficient).

Properties are also given a score. The higher the number the lower your fuel bills are likely to be.

For properties in England and Wales:

- the average energy rating is D
- the average energy score is 60

#### Breakdown of property's energy performance

This section shows the energy performance for features of this property. The assessment does not consider the condition of a feature and how well it is working.

Each feature is assessed as one of the following:

- very good (most efficient)
- good
- average
- poor
- very poor (least efficient)

When the description says "assumed", it means that the feature could not be inspected and an assumption has been made based on the property's age and type.

Feature	Description	Rating
Wall	Sandstone, as built, no insulation (assumed)	Very poor
Roof	Pitched, 100 mm loft insulation	Average
Window	Fully double glazed	Good

Feature	Description	Rating
Main heating	Boiler and radiators, mains gas	Good
Main heating control	Programmer, TRVs and bypass	Average
Hot water	From main system	Good
Lighting	Low energy lighting in all fixed outlets	Very good
Floor	Solid, no insulation (assumed)	N/A
Secondary heating	Room heaters, mains gas	N/A

# Primary energy use

The primary energy use for this property per year is 242 kilowatt hours per square metre (kWh/m2).

What is primary energy use?

# **Additional information**

Additional information about this property:

Stone walls present, not insulated

#### Environmental impact of this property

One of the biggest contributors to climate change is carbon dioxide (CO2). The energy used for heating, lighting and power in our homes produces over a quarter of the UK's CO2 emissions.

#### An average household produces

6 tonnes of CO2

#### This property produces

2.9 tonnes of CO2

#### This property's potential production

0.7 tonnes of CO2

By making the <u>recommended changes</u>, you could reduce this property's CO2 emissions by 2.2 tonnes per year. This will help to protect the environment.

Environmental impact ratings are based on assumptions about average occupancy and energy use. They may not reflect how energy is consumed by the people living at the property.

#### How to improve this property's energy performance

Making any of the recommended changes will improve this property's energy efficiency.

If you make all of the recommended changes, this will improve the property's energy rating and score from D (64) to B (89).

What is an energy rating?

# Recommendation 1: Increase loft insulation to 270 mm Increase loft insulation to 270 mm Typical installation cost £100 - £350 Typical yearly saving £22 Potential rating after carrying out recommendation 1 65 | D

# **Recommendation 2: Internal or external wall insulation**

Internal or external wall insulation

Typical installation cost	
	£4,000 - £14,000
Typical yearly saving	
	£122
Potential rating after carrying out recommendations 1 and 2	
	71   C

# **Recommendation 3: Floor insulation**

Floor insulation

**Typical installation cost** 

Potential energy

rating

Potential rating after carrying out recommendations 1 to 3	
	72   C
Recommendation 4: Replace boiler with new co boiler	ondensing
Condensing boiler	
Typical installation cost	
	£2,200 - £3,000
Typical yearly saving	£50
Potential rating after carrying out recommendations 1 to 4	
	75   C
Recommendation 5: Solar water heating	
Solar water heating	
Typical installation cost	
	£4,000 - £6,000
Typical yearly saving	£27
Potential rating after carrying out recommendations 1 to 5	
	76   C

# Recommendation 6: Solar photovoltaic panels, 2.5 kWp

Solar photovoltaic panels

**Typical installation cost** 

£9,000 - £14,000

Potential rating after carrying out recommendations 1 to 6	
	88   B
Recommendation 7: Wind turbine	
Wind turbine	
Typical installation cost	
	£1,500 - £4,000
Typical yearly saving	£21
Potential rating after carrying out recommendations 1 to 7	89   B
Paying for energy improvements	
Find energy grants and ways to save energy in your home. (https://www.gov.uk/improve-energy-efficienc	<u>ey)</u>
Estimated energy use and potential savings	
Estimated yearly energy cost for this property	
	£715
Potential saving	
	£248

The estimated cost shows how much the average household would spend in this property for heating, lighting and hot water. It is not based on how energy is used by the people living at the property.

The estimated saving is based on making all of the recommendations in how to improve this property's energy performance.

For advice on how to reduce your energy bills visit Simple Energy Advice (https://www.simpleenergyadvice.org.uk/).

# Heating use in this property

Heating a property usually makes up the majority of energy costs.

## Estimated energy used to heat this property

#### Water heating

1885 kWh per year

Potential energy savings by installing insulation		
Type of insulation	Amount of energy saved	
Loft insulation	320 kWh per year	
Solid wall insulation	1774 kWh per year	

You might be able to receive <u>Renewable Heat Incentive payments (https://www.gov.uk/domestic-renewable-heat-incentive)</u>. This will help to reduce carbon emissions by replacing your existing heating system with one that generates renewable heat. The estimated energy required for space and water heating will form the basis of the payments.

#### Contacting the assessor and accreditation scheme

This EPC was created by a qualified energy assessor.

If you are unhappy about your property's energy assessment or certificate, you can complain to the assessor directly.

If you are still unhappy after contacting the assessor, you should contact the assessor's accreditation scheme.

Accreditation schemes are appointed by the government to ensure that assessors are qualified to carry out EPC assessments.

# Assessor contact details

#### Assessor's name

**Philip Eccles** 

#### Telephone

07875280160

#### Email

eccles-epc@hotmail.co.uk

# Accreditation scheme contact details

#### Accreditation scheme NHER

## Assessor ID

NHER002909

#### Telephone

01455 883 250

#### Email

enquiries@elmhurstenergy.co.uk

# **Assessment details**

Assessor's declaration No related party

#### Date of assessment

12 September 2014

#### Date of certificate

12 September 2014

#### Type of assessment

RdSAP

#### Other certificates for this property

If you are aware of previous certificates for this property and they are not listed here, please contact us at <u>mhclg.digital-services@communities.gov.uk</u> or call our helpdesk on 020 3829 0748.

There are no related certificates for this property.