

# Energy performance certificate (EPC)

---

48, Jade Gardens  
COLCHESTER  
CO4 5FG

Energy rating

**B**

Valid until 12 April 2025

Certificate number

**8585-7134-3460-4589-**

**6996**

<b>Property type</b>	Mid-terrace house
----------------------	-------------------

<b>Total floor area</b>	112 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 [guidance for landlords on the regulations and exemptions](https://www.gov.uk/guidance/domestic-private-rented-property-minimum-energy-efficiency-standard-landlord-guidance) (<https://www.gov.uk/guidance/domestic-private-rented-property-minimum-energy-efficiency-standard-landlord-guidance>).

## Energy efficiency rating for this property

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

[See how to improve this property's energy performance.](#)

Score	Energy rating	Current	Potential
92+	A		93   A
81-91	B	83   B	
69-80	C		
55-68	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 this number, the lower your carbon dioxide (CO<sub>2</sub>) emissions are likely to be.

The average energy rating and score for a property in England and Wales are D (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
Walls	Average thermal transmittance 0.17 W/m <sup>2</sup> K	Very good
Roof	Average thermal transmittance 0.14 W/m <sup>2</sup> K	Very good
Floor	Average thermal transmittance 0.20 W/m <sup>2</sup> K	Very good
Windows	High performance glazing	Very good
Main heating	Boiler and radiators, mains gas	Good
Main heating control	Programmer, room thermostat and TRVs	Good
Hot water	From main system	Good
Lighting	Low energy lighting in all fixed outlets	Very good
Air tightness	Air permeability 10.0 m <sup>3</sup> /h.m <sup>2</sup> (assessed average)	Average
Secondary heating	None	N/A

## Primary energy use

The primary energy use for this property per year is 90 kilowatt hours per square metre (kWh/m<sup>2</sup>).

### ▶ [What is primary energy use?](#)

Primary energy use is a measure of the energy required for lighting, heating and hot water in a property. The calculation includes:

- the efficiency of the property's heating system
- power station efficiency for electricity

- the energy used to produce the fuel and deliver it to the property

### Environmental impact of this property

One of the biggest contributors to climate change is carbon dioxide (CO<sub>2</sub>). The energy used for heating, lighting and power in our homes produces over a quarter of the UK's CO<sub>2</sub> emissions.

<b>An average household produces</b>	6 tonnes of CO <sub>2</sub>
--------------------------------------	-----------------------------

<b>This property produces</b>	1.8 tonnes of CO <sub>2</sub>
-------------------------------	-------------------------------

<b>This property's potential production</b>	0.5 tonnes of CO <sub>2</sub>
---	-------------------------------

By making the [recommended changes](#), you could reduce this property's CO<sub>2</sub> emissions by 1.3 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 B (83) to A (93).

Potential energy  
rating

A

### ► [What is an energy rating?](#)

An energy rating shows a property's energy efficiency.

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

Properties are also given a score. The higher this number, the lower your CO<sub>2</sub> emissions are likely to be.

## Recommendation 1: Solar water heating

Solar water heating

<b>Typical installation cost</b>	£4,000 - £6,000
----------------------------------	-----------------

<b>Typical yearly saving</b>	£55
------------------------------	-----

<b>Potential rating after carrying out recommendation 1</b>	
---	--

85 | B

## Recommendation 2: Solar photovoltaic panels, 2.5 kWp

Solar photovoltaic panels

<b>Typical installation cost</b>	£5,000 - £8,000
----------------------------------	-----------------

<b>Typical yearly saving</b>	£282
------------------------------	------

**Potential rating after carrying out recommendations 1 and 2**

93 | A

## Paying for energy improvements

[Find energy grants and ways to save energy in your home.](https://www.gov.uk/improve-energy-efficiency)  
(<https://www.gov.uk/improve-energy-efficiency>)

### Estimated energy use and potential savings

<b>Estimated yearly energy cost for this property</b>	£476
---	------

<b>Potential saving</b>	£56
-------------------------	-----

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/) (<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

<b>Space heating</b>	3465.0 kWh per year
----------------------	---------------------

---

<b>Water heating</b>	2473.0 kWh per year
----------------------	---------------------

---

## Potential energy savings by installing insulation

The assessor did not find any opportunities to save energy by installing insulation in this property.

You might be able to receive [Renewable Heat Incentive payments](https://www.gov.uk/domestic-renewable-heat-incentive) (<https://www.gov.uk/domestic-renewable-heat-incentive>). 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

<b>Assessor's name</b>	Neil Rothern
------------------------	--------------

---

<b>Telephone</b>	02037356879
------------------	-------------

---

<b>Email</b>	<a href="mailto:neil@nrgconsulting.org">neil@nrgconsulting.org</a>
--------------	--

---

## Accreditation scheme contact details

Accreditation scheme	NHER
Assessor ID	NHER004282
Telephone	01455 883 250
Email	<a href="mailto:enquiries@elmhurstenergy.co.uk">enquiries@elmhurstenergy.co.uk</a>

## Assessment details

Assessor's declaration	No related party
Date of assessment	11 April 2015
Date of certificate	13 April 2015
Type of assessment	<div><div>▶ <a href="#">SAP</a></div><div>SAP (Standard Assessment Procedure) is a method used to assess and compare the energy and environmental performance of properties in the UK. It uses detailed information about the property's construction to</div></div>



calculate  
energy  
performance.

This type of  
assessment  
must be carried  
out on all new  
properties built  
after 1 April  
2008 in  
England and  
Wales, and 30  
September  
2008 in  
Northern  
Ireland.

---

### 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 [mhclg.digital-services@communities.gov.uk](mailto:mhclg.digital-services@communities.gov.uk), or call our helpdesk on 020 3829 0748.

There are no related certificates for this property.