Energy Performance Certificate (EPC)

Scotland

Dwellings

FLAT 3, 200 COWGATE, EDINBURGH, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	13 February 2020
Date of certificate:	14 February 2020
Total floor area:	60 m ²
Primary Energy Indicator:	169 kWh/m²/year

Reference number: Type of assessment: **Approved Organisation:** Main heating and fuel:

9373-1024-4202-7320-2204 RdSAP, existing dwelling Elmhurst Boiler and radiators, mains gas

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£1,368	See your recommendations
Over 3 years you could save*	£315	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Very environmentally friendly - lower CO₂ emissions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is band C (77). The average rating for EPCs in Scotland is band D (61).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (78)**. The average rating for EPCs in Scotland is band D (59).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

Recommended measures	Indicative cost	Typical savings over 3 years
1 Internal or external wall insulation	£4,000 - £14,000	£318.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282

THIS PAGE IS THE ENERGY PERFORMANCE **CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE**

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, no insulation (assumed)	★★☆☆☆	*****
	Sandstone or limestone, as built, partial insulation (assumed)	★★★☆☆	***
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	_
Windows	Fully double glazed	★★★☆☆	★★★☆☆
Main heating	Boiler and radiators, mains gas	★★★★☆	★★★★☆
Main heating controls	Programmer, room thermostat and TRVs	★★★★☆	★★★★☆
Secondary heating	None	—	—
Hot water	From main system	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 30 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.8 tonnes of carbon dioxide every year. Adopting recommendations in this report can reduce emissions and protect the environment. If you were to install all of these recommendations this could reduce emissions by 0.6 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

FLAT 3 , 200 COWGATE, EDINBURGH, EH1 1NQ 14 February 2020 RRN: 9373-1024-4202-7320-2204

Estimated energy costs for this home

	Current energy costs	Potential energy costs	Potential future savings	
Heating	£978 over 3 years	£660 over 3 years		
Hot water	£237 over 3 years	£240 over 3 years	You could	
Lighting	£153 over 3 years	£153 over 3 years	save £315	
	Totals £1,368	£1,053	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

December ded measures	Indiactive cost	Typical saving	Rating after improvement	
Recommended measures	indicative cost	per year	Energy	Environment
1 Internal or external wall insulation	£4,000 - £14,000	£106	B 82	B 85

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Internal or external wall insulation

Internal or external wall insulation involves adding a layer of insulation to either the inside or the outside surface of the external walls, which reduces heat loss and lowers fuel bills. As it is more expensive than cavity wall insulation it is only recommended for walls without a cavity, or where for technical reasons a cavity cannot be filled. Internal insulation, known as dry-lining, is where a layer of insulation is fixed to the inside surface of external walls; this type of insulation is best applied when rooms require redecorating. External solid wall insulation is the application of an insulant and a weather-protective finish to the outside of the wall. This may improve the look of the home, particularly where existing brickwork or rendering is poor, and will provide longlasting weather protection. Further information can be obtained from the National Insulation Association (www.nationalinsulationassociation.org.uk). It should be noted that a building warrant is required for the installation of external wall insulation. Planning permission may also be required and that building regulations apply to external insulation so it is best to check with your local authority on both issues.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	4,704	N/A	N/A	(2,433)
Water heating (kWh per year)	1,774			

Addendum

This dwelling has stone walls and so requires further investigation to establish whether these walls are of cavity construction and to determine which type of wall insulation is best suited.

FLAT 3 , 200 COWGATE, EDINBURGH, EH1 1NQ 14 February 2020 RRN: 9373-1024-4202-7320-2204

About this document

This Recommendations Report and the accompanying Energy Performance Certificate are valid for a maximum of ten years. These documents cease to be valid where superseded by a more recent assessment of the same building carried out by a member of an Approved Organisation.

The Energy Performance Certificate and this Recommendations Report for this building were produced following an energy assessment undertaken by an assessor accredited by Elmhurst (www.elmhurstenergy.co.uk), an Approved Organisation Appointed by Scottish Ministers. The certificate has been produced under the Energy Performance of Buildings (Scotland) Regulations 2008 from data lodged to the Scottish EPC register. You can verify the validity of this document by visiting www.scottishepcregister.org.uk and entering the report reference number (RRN) printed at the top of this page.

Assessor's name:	Mr. Kevin Murchie
Assessor membership number:	EES/009441
Company name/trading name:	Graham & Sibbald
Address:	11 Manor Place
	Edinburgh
	EH3 7DĽ
Phone number:	0131 225 1559
Email address:	edinburgh@g-s.co.uk
Related party disclosure:	No related party

If you have any concerns regarding the content of this report or the service provided by your assessor you should in the first instance raise these matters with your assessor and with the Approved Organisation to which they belong. All Approved Organisations are required to publish their complaints and disciplinary procedures and details can be found online at the web address given above.

Use of this energy performance information

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FLAT 3 , 200 COWGATE, EDINBURGH, EH1 1NQ 14 February 2020 RRN: 9373-1024-4202-7320-2204

Advice and support to improve this property

There is support available, which could help you carry out some of the improvements recommended for this property on page 3 and stop wasting energy and money. For more information, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.





Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 8 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat	
Date of assessment:	11 January 2018	
Date of certificate:	26 January 2018	
Total floor area:	99 m ²	
Primary Energy Indicator:	157 kWh/m ² /year	

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 4818-7029-3200-0179-4996 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

B

Not environmentally friendly - higher CO₂ emissions

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£2,073	See your recommendations
Over 3 years you could save*	£63	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (75)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (76)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

77

76

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£60.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

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THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

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Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	****	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 27 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 2.7 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£1,344 over 3 years	£1,374 over 3 years		
Hot water	£513 over 3 years	£420 over 3 years	You could	
Lighting	£216 over 3 years	£216 over 3 years	save £63	
Totals	£2,073	£2,010	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures			Typical saving	Rating after improvement	
		Indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£20	C 76	C 77

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	2,774	N/A	N/A	N/A
Water heating (kWh per year)	3,176			

About this document

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
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Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

If you have any concerns regarding the content of this report or the service provided by your assessor you should in the first instance raise these matters with your assessor and with the Approved Organisation to which they belong. All Approved Organisations are required to publish their complaints and disciplinary procedures and details can be found online at the web address given above.

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Advice and support to improve this property

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Energy Performance Certificate (EPC)

Scotland

Dwellings

(92 plus)

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

B

Not environmentally friendly - higher CO₂ emissions

Flat 9 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	22 January 2018
Total floor area:	82 m ²
Primary Energy Indicator:	162 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 0130-2519-7290-9098-7465 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£1,794	See your recommendations
Over 3 years you could save*	£63	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (75)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (77)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

77

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£63.00

78

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Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★ ☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★☆☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

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The calculated emissions for your home are 28 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 2.3 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£1,107 over 3 years	£1,137 over 3 years		
Hot water	£498 over 3 years	£405 over 3 years	You could	
Lighting	£189 over 3 years	£189 over 3 years	save £63	
Totals	£1,794	£1,731	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

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Recommended measures			Typical saving	Rating after improvement	
		Indicative cost per year		Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£21	C 76	C 78

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

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Low and zero carbon energy sources

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LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	2,011	N/A	N/A	N/A
Water heating (kWh per year)	3.080			

About this document

This Recommendations Report and the accompanying Energy Performance Certificate are valid for a maximum of ten years. These documents cease to be valid where superseded by a more recent assessment of the same building carried out by a member of an Approved Organisation.

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

If you have any concerns regarding the content of this report or the service provided by your assessor you should in the first instance raise these matters with your assessor and with the Approved Organisation to which they belong. All Approved Organisations are required to publish their complaints and disciplinary procedures and details can be found online at the web address given above.

Use of this energy performance information

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Advice and support to improve this property

There is support available, which could help you carry out some of the improvements recommended for this property on page 3 and stop wasting energy and money. For more information, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.





Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 10 Wellgate House, 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	20 m ²
Primary Energy Indicator:	294 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel:

0130-2619-7290-9098-1401 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£885	See your recommendations
Over 3 years you could save*	£81	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Very environmentally friendly - lower CO₂ emissions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is band C (73). The average rating for EPCs in Scotland is band D (61).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (79)**. The average rating for EPCs in Scotland is band D (59).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£78.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282

THIS PAGE IS THE ENERGY PERFORMANCE **CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE**

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★ ☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	****	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 52 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.0 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy c	osts for this home		
	Current energy costs	Potential energy costs	Potential future savings
Heating	£417 over 3 years	£429 over 3 years	
Hot water	£405 over 3 years	£312 over 3 years	You could
Lighting	£63 over 3 years	£63 over 3 years	save £81
Totals	£885	£804	over 3 years

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures			Typical saving	Rating after improvement	
		indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£26	C 75	B 82

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	189	N/A	N/A	N/A
Water heating (kWh per year)	2,505			

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
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Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Energy Performance Certificate (EPC)

Scotland

Dwellings

(92 plus)

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

B

Not environmentally friendly - higher CO₂ emissions

Flat 11 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	19 m ²
Primary Energy Indicator:	310 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 9297-1024-7209-3418-0900 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£903	See your recommendations
Over 3 years you could save*	£75	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (73)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (78)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

81

78

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£75.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

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D

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THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★ ☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★☆☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 54 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.1 tonnes of carbon dioxide every year. Adopting recommendations in this report can reduce emissions and protect the environment. If you were to install all of these recommendations this could reduce emissions by 0.2 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£438 over 3 years	£456 over 3 years		
Hot water	£405 over 3 years	£312 over 3 years	You could	
Lighting	£60 over 3 years	£60 over 3 years	save £75	
Totals	£903	£828	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures			Typical saving	Rating after improvement	
		per year		Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£25	C 75	B 81

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	330	N/A	N/A	N/A
Water heating (kWh per year)	2.504			

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
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Address:	21/1 Marchmont Road
	Mid Lothian
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Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
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Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 12 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	99 m ²
Primary Energy Indicator:	157 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 9698-1024-7209-3318-0904 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

B

Not environmentally friendly - higher CO₂ emissions

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£2,073	See your recommendations
Over 3 years you could save*	£63	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (75)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (76)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

76

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£60.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

77

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

D

F

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Summary of the energy performance related features of this home

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Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★ ☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★☆☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

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The calculated emissions for your home are 27 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 2.7 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£1,344 over 3 years	£1,374 over 3 years		
Hot water	£513 over 3 years	£420 over 3 years	You could	
Lighting	£216 over 3 years	£216 over 3 years	save £63	
Totals	£2,073	£2,010	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures			Typical saving		Rating after improvement	
		indicative cost per year		Energy	Environment	
1	Increase hot water cylinder insulation	£15 - £30	£20	C 76	C 77	

Choosing the right improvement package

For free and impartial advice on choosing suitable measures for your property, contact the Home Energy Scotland hotline on 0808 808 2282 or go to www.greenerscotland.org.

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	2,774	N/A	N/A	N/A
Water heating (kWh per year)	3.176			

About this document

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Advice and support to improve this property

There is support available, which could help you carry out some of the improvements recommended for this property on page 3 and stop wasting energy and money. For more information, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.




Energy Performance Certificate (EPC)

Scotland

Dwellings

(92 plus)

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

B

Not environmentally friendly - higher CO₂ emissions

Flat 13 Wellgate House, 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	22 January 2018
Total floor area:	82 m ²
Primary Energy Indicator:	162 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 9397-1024-8209-3618-0904 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£1,794	See your recommendations
Over 3 years you could save*	£63	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (75)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (77)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

77

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£63.00

78

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

D

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THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★ ☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★☆☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 28 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 2.3 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy c	osts for this home		
	Current energy costs	Potential energy costs	Potential future savings
Heating	£1,107 over 3 years	£1,137 over 3 years	
Hot water	£498 over 3 years	£405 over 3 years	You could
Lighting	£189 over 3 years	£189 over 3 years	save £63
Totals	£1,794	£1,731	over 3 years

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures			Typical saving	Rating after improvement	
		indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£21	C 76	C 78

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	2,011	N/A	N/A	N/A
Water heating (kWh per year)	3.080			

About this document

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Advice and support to improve this property

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Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 14 Wellgate House, 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	20 m ²
Primary Energy Indicator:	298 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel:

9318-8029-3200-0129-4992 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£894	See your recommendations
Over 3 years you could save*	£81	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Very environmentally friendly - lower CO₂ emissions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is band C (73). The average rating for EPCs in Scotland is band D (61).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (79)**. The average rating for EPCs in Scotland is band D (59).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£78.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

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Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★ ☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★☆☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 52 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.0 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£426 over 3 years	£438 over 3 years		
Hot water	£405 over 3 years	£312 over 3 years	You could	
Lighting	£63 over 3 years	£63 over 3 years	save £81	
Totals	£894	£813	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

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Recommended measures			Typical saving	Rating after improvement	
		indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£26	C 75	B 82

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

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Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	235	N/A	N/A	N/A
Water heating (kWh per year)	2.505			

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Energy Performance Certificate (EPC)

Scotland

Dwellings

(92 plus)

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

B

Not environmentally friendly - higher CO₂ emissions

Flat 15 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	19 m ²
Primary Energy Indicator:	315 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 0130-2819-9290-9098-6425 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£912	See your recommendations
Over 3 years you could save*	£75	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (73)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (78)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

81

78

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£75.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

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Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★ ☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★☆☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 55 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.1 tonnes of carbon dioxide every year. Adopting recommendations in this report can reduce emissions and protect the environment. If you were to install all of these recommendations this could reduce emissions by 0.2 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£447 over 3 years	£465 over 3 years		
Hot water	£405 over 3 years	£312 over 3 years	You could	
Lighting	£60 over 3 years	£60 over 3 years	save £75	
Totals	£912	£837	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures			Typical saving	Rating after improvement	
		Indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£25	C 75	B 81

Choosing the right improvement package

For free and impartial advice on choosing suitable measures for your property, contact the Home Energy Scotland hotline on 0808 808 2282 or go to www.greenerscotland.org.



About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	384	N/A	N/A	N/A
Water heating (kWh per year)	2,504			

About this document

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Advice and support to improve this property

There is support available, which could help you carry out some of the improvements recommended for this property on page 3 and stop wasting energy and money. For more information, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.





Energy Performance Certificate (EPC)

Scotland

Dwellings

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

Flat 16 Wellgate House, 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	99 m ²
Primary Energy Indicator:	163 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel:

9400-5093-0129-0299-1983 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£2,127	See your recommendations
Over 3 years you could save*	£63	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is band C (75). The average rating for EPCs in Scotland is band D (61).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (75)**. The average rating for EPCs in Scotland is band D (59).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

76

75

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£60.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282

D

Not environmentally friendly - higher CO₂ emissions

F

G

THIS PAGE IS THE ENERGY PERFORMANCE **CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE**

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★ ☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★☆☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 28 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 2.8 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy c	osts for this home		
	Current energy costs	Potential energy costs	Potential future savings
Heating	£1,398 over 3 years	£1,428 over 3 years	
Hot water	£513 over 3 years	£420 over 3 years	You could
Lighting	£216 over 3 years	£216 over 3 years	save £63
Totals	£2,127	£2,064	over 3 years

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

December de dimensiones			Typical saving	Rating after improvement	
Re	commended measures	Indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£20	C 75	C 76

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	3,106	N/A	N/A	N/A
Water heating (kWh per year)	3.176			

About this document

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Advice and support to improve this property

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Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.





Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 17 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	22 January 2018
Total floor area:	82 m ²
Primary Energy Indicator:	168 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 9190-1024-0209-4118-0904 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

B

Not environmentally friendly - higher CO₂ emissions

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£1,839	See your recommendations
Over 3 years you could save*	£66	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (75)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (76)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

76

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£60.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

77

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

D

F

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THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★ ☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★☆☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

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The impact of your home on the environment

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The calculated emissions for your home are 29 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 2.4 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£1,152 over 3 years	£1,179 over 3 years		
Hot water	£498 over 3 years	£405 over 3 years	You could	
Lighting	£189 over 3 years	£189 over 3 years	save £66	
Totals	£1,839	£1,773	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

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Recommended measures			Typical saving	Rating after improvement	
		Indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£20	C 76	C 77

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

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Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	2,282	N/A	N/A	N/A
Water heating (kWh per year)	3,080			

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 19 Wellgate House, 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	19 m ²
Primary Energy Indicator:	345 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 1400-3094-0129-4290-1983 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

B

Not environmentally friendly - higher CO₂ emissions

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£969	See your recommendations
Over 3 years you could save*	£72	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (71)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (76)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

79

76

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£69.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

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THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	Flat, insulated (assumed)	★★★★☆	★★★★☆
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 61 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.2 tonnes of carbon dioxide every year. Adopting recommendations in this report can reduce emissions and protect the environment. If you were to install all of these recommendations this could reduce emissions by 0.2 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£504 over 3 years	£525 over 3 years		
Hot water	£405 over 3 years	£312 over 3 years	You could	
Lighting	£60 over 3 years	£60 over 3 years	save £72	
Totals	£969	£897	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures			Typical saving	Rating after improvement	
		indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£23	C 73	C 79

Choosing the right improvement package

For free and impartial advice on choosing suitable measures for your property, contact the Home Energy Scotland hotline on 0808 808 2282 or go to www.greenerscotland.org.

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	732	N/A	N/A	N/A
Water heating (kWh per year)	2,504			

About this document

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

If you have any concerns regarding the content of this report or the service provided by your assessor you should in the first instance raise these matters with your assessor and with the Approved Organisation to which they belong. All Approved Organisations are required to publish their complaints and disciplinary procedures and details can be found online at the web address given above.

Use of this energy performance information

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Advice and support to improve this property

There is support available, which could help you carry out some of the improvements recommended for this property on page 3 and stop wasting energy and money. For more information, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.




Energy Performance Certificate (EPC)

Scotland

Dwellings

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

Flat 20 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Top-floor flat	
Date of assessment:	11 January 2018	
Date of certificate:	26 January 2018	
Total floor area:	19 m ²	
Primary Energy Indicator:	372 kWh/m ² /year	

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 0140-2219-0290-9098-5461 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£1,008	See your recommendations
Over 3 years you could save*	£69	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (70)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (74)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

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Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£69.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

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To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

D

Not environmentally friendly - higher CO₂ emissions

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Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	Flat, insulated (assumed)	★★★★☆	★★★★☆
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 65 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.3 tonnes of carbon dioxide every year. Adopting recommendations in this report can reduce emissions and protect the environment. If you were to install all of these recommendations this could reduce emissions by 0.2 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

Estimated energy c	osts for this home		
	Current energy costs	Potential energy costs	Potential future savings
Heating	£543 over 3 years	£567 over 3 years	
Hot water	£405 over 3 years	£312 over 3 years	You could
Lighting	£60 over 3 years	£60 over 3 years	save £69
Totals	£1,008	£939	over 3 years

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

December de dimensiones			Typical saving	Rating after improvement	
Re	commended measures	Indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£23	C 72	C 77

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	994	N/A	N/A	N/A
Water heating (kWh per year)	2,504			

About this document

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Use of this energy performance information

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Advice and support to improve this property

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Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 21 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Top-floor flat		
Date of assessment:	11 January 2018		
Date of certificate:	26 January 2018		
Total floor area:	20 m ²		
Primary Energy Indicator:	332 kWh/m ² /year		

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 9393-1024-0209-4318-0904 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

B

Not environmentally friendly - higher CO₂ emissions

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£966	See your recommendations
Over 3 years you could save*	£72	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (72)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (77)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

79

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Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£69.00

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Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★ ☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	Flat, insulated (assumed)	★★★★☆	★★★★☆
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	****	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

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The calculated emissions for your home are 58 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.2 tonnes of carbon dioxide every year. Adopting recommendations in this report can reduce emissions and protect the environment. If you were to install all of these recommendations this could reduce emissions by 0.2 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£498 over 3 years	£519 over 3 years		
Hot water	£405 over 3 years	£312 over 3 years	You could	
Lighting	£63 over 3 years	£63 over 3 years	save £72	
Totals	£966	£894	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

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Recommended measures			Typical saving	Rating after improvement	
		indicative cost per year		Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£23	C 73	C 79

Choosing the right improvement package

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Page 2 of 5

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

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Low and zero carbon energy sources

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LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	681	N/A	N/A	N/A
Water heating (kWh per year)	2,506			

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Assessor membership number:	EES/006513
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	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

If you have any concerns regarding the content of this report or the service provided by your assessor you should in the first instance raise these matters with your assessor and with the Approved Organisation to which they belong. All Approved Organisations are required to publish their complaints and disciplinary procedures and details can be found online at the web address given above.

Use of this energy performance information

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Advice and support to improve this property

There is support available, which could help you carry out some of the improvements recommended for this property on page 3 and stop wasting energy and money. For more information, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.





Energy Performance Certificate (EPC)

Scotland

Dwellings

(55-68)

(39-54

(21-38)

(1-20)

Flat 22 Wellgate House, 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Top-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	39 m ²
Primary Energy Indicator:	251 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel:

0140-2419-0290-9098-5441 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£1,347	See your recommendations
Over 3 years you could save*	£63	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions

74



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is band C (71). The average rating for EPCs in Scotland is band D (61).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (74)**. The average rating for EPCs in Scotland is band D (59).

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£63.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282

D

Not environmentally friendly - higher CO₂ emissions

F

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THIS PAGE IS THE ENERGY PERFORMANCE **CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE**

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★ ☆	★★★★☆
	Solid brick, as built, insulated (assumed)	*****	****
	System built, as built, insulated (assumed)	★★★★☆	★★★★☆
Roof	Flat, insulated (assumed)	★★★★☆	★★★★☆
Floor	(another dwelling below)	—	_
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	****	★★★★☆
Secondary heating	None	—	
Hot water	Community scheme	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 44 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.7 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£822 over 3 years	£849 over 3 years		
Hot water	£426 over 3 years	£336 over 3 years	You could	
Lighting	£99 over 3 years	£99 over 3 years	save £63	
Totals	£1,347	£1,284	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures			Typical saving	Rating after improvement	
		indicative cost per year		Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£21	C 72	C 76

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	1,696	N/A	N/A	N/A
Water heating (kWh per year)	2.647			

About this document

This Recommendations Report and the accompanying Energy Performance Certificate are valid for a maximum of ten years. These documents cease to be valid where superseded by a more recent assessment of the same building carried out by a member of an Approved Organisation.

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Energy Performance Certificate (EPC)

Scotland

Dwellings

(55-68)

(39-54

(21-38)

(1-20)

Flat 23 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Top-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	35 m ²
Primary Energy Indicator:	249 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 9095-1024-0209-4718-0900 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£1,212	See your recommendations
Over 3 years you could save*	£66	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (72)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (76)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£66.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

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D

Not environmentally friendly - higher CO₂ emissions

F

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Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
	System built, as built, insulated (assumed)	★★★★☆	★★★★☆
Roof	Flat, insulated (assumed)	★★★★☆	★★★★☆
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	★★★★☆	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	****	****

The energy efficiency rating of your home

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As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 44 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.5 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy costs for this home			
	Current energy costs	Potential energy costs	Potential future savings
Heating	£702 over 3 years	£726 over 3 years	
Hot water	£420 over 3 years	£330 over 3 years	You could
Lighting	£90 over 3 years	£90 over 3 years	save £66
Totals	£1,212	£1,146	over 3 years

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

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			Typical saving	Rating after improvement	
Re	commended measures	indicative cost	per year	Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£22	C 73	C 78

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	1,157	N/A	N/A	N/A
Water heating (kWh per year)	2.601			

About this document

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 25 Wellgate House , 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Mid-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	82 m ²
Primary Energy Indicator:	200 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 9396-1024-0209-4018-0904 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

B

Not environmentally friendly - higher CO₂ emissions

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£2,088	See your recommendations
Over 3 years you could save*	£60	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Energy Efficiency Rating

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (72)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (71)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

72

71

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£60.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

D

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Summary of the energy performance related features of this home

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Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★ ☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	Flat, insulated (assumed)	★★★★☆	★★★★☆
Floor	(another dwelling below)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	****	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

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The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 35 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 2.9 tonnes of carbon dioxide every year. Adopting recommendations in this report can reduce emissions and protect the environment. If you were to install all of these recommendations this could reduce emissions by 0.2 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£1,401 over 3 years	£1,434 over 3 years		
Hot water	£498 over 3 years	£405 over 3 years	You could	
Lighting	£189 over 3 years	£189 over 3 years	save £60	
Totals	£2,088	£2,028	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

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Recommended measures			Typical saving	Rating after improvement	
		Indicative cost	per year		Environment
1	Increase hot water cylinder insulation	£15 - £30	£20	C 72	C 72

Choosing the right improvement package

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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	3,834	N/A	N/A	N/A
Water heating (kWh per year)	3.080			

About this document

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
	Mid Lothian
	Edinburgh
	EH9 1HY
Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

If you have any concerns regarding the content of this report or the service provided by your assessor you should in the first instance raise these matters with your assessor and with the Approved Organisation to which they belong. All Approved Organisations are required to publish their complaints and disciplinary procedures and details can be found online at the web address given above.

Use of this energy performance information

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Advice and support to improve this property

There is support available, which could help you carry out some of the improvements recommended for this property on page 3 and stop wasting energy and money. For more information, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.





Energy Performance Certificate (EPC)

Scotland

Dwellings

FLAT 26, 200 COWGATE, EDINBURGH, EH1 1NQ

Dwelling type:	Ground-floor flat
Date of assessment:	11 January 2018
Date of certificate:	26 January 2018
Total floor area:	46 m ²
Primary Energy Indicator:	237 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel:

are likely to be.

9718-6829-4430-2349-7996 RdSAP, existing dwelling Elmhurst Community scheme

You can use this document to:

B

Not environmentally friendly - higher CO₂ emissions

(81-91)

(69-80)

(55-68)

(39-54

(21-38)

(1-20)

- Compare current ratings of properties to see which are more energy efficient and environmentally friendly
- Find out how to save energy and money and also reduce CO₂ emissions by improving your home

Estimated energy costs for your home for 3 years*	£1,458	See your recommendations
Over 3 years you could save*	£60	report for more information

* based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions



Environmental Impact (CO₂) Rating

recommendations report.

Energy Efficiency Rating

for EPCs in Scotland is band D (61).

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel

costs. The higher this rating, the lower your fuel bills

Your current rating is band C (71). The average rating

The potential rating shows the effect of undertaking all

of the improvement measures listed within your

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band C (73)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

75

73

Recommended measures	Indicative cost	Typical savings over 3 years
1 Increase hot water cylinder insulation	£15 - £30	£60.00

A full list of recommended improvement measures for your home, together with more information on potential cost and savings and advice to help you carry out improvements can be found in your recommendations report.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

D

F

G

THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	Sandstone or limestone, as built, insulated (assumed)	★★★★ ☆	★★★★☆
	Solid brick, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	Solid, insulated (assumed)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	****	★★★★☆
Secondary heating	None	—	_
Hot water	Community scheme	★★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	*****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 41 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 1.9 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy costs for this home

	Current energy costs	Potential energy costs	Potential future savings	
Heating	£906 over 3 years	£936 over 3 years		
Hot water	£438 over 3 years	£348 over 3 years	You could	
Lighting	£114 over 3 years	£114 over 3 years	save £60	
Totals	£1,458	£1,398	over 3 years	

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

The measures below will improve the energy and environmental performance of this dwelling. The performance ratings after improvements listed below are cumulative; that is, they assume the improvements have been installed in the order that they appear in the table. Further information about the recommended measures and other simple actions to take today to save money is available from the Home Energy Scotland hotline which can be contacted on 0808 808 2282. Before carrying out work, make sure that the appropriate permissions are obtained, where necessary. This may include permission from a landlord (if you are a tenant) or the need to get a Building Warrant for certain types of work.

Recommended measures			Typical saving	Rating after improvement	
		Indicative cost per year		Energy	Environment
1	Increase hot water cylinder insulation	£15 - £30	£20	C 72	C 75

Choosing the right improvement package

For free and impartial advice on choosing suitable measures for your property, contact the Home Energy Scotland hotline on 0808 808 2282 or go to www.greenerscotland.org.



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About the recommended measures to improve your home's performance rating

This section offers additional information and advice on the recommended improvement measures for your home

1 Hot water cylinder insulation

Increasing the thickness of existing insulation around the hot water cylinder will help to maintain the water at the required temperature; this will reduce the amount of energy used and lower fuel bills. An additional cylinder jacket or other suitable insulation layer can be used. The insulation should be fitted over any thermostat clamped to the cylinder. Hot water pipes from the hot water cylinder should also be insulated, using pre-formed pipe insulation of up to 50 mm thickness, or to suit the space available, for as far as they can be accessed to reduce losses in summer. All these materials can be purchased from DIY stores and installed by a competent DIY enthusiast.

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

In this section, you can see how much energy you might need to heat your home and provide hot water. These are estimates showing how an average household uses energy. These estimates may not reflect your actual energy use, which could be higher or lower. You might spend more money on heating and hot water if your house is less energy efficient. The table below shows the potential benefit of having your loft and walls insulated. Visit https://energysavingtrust.org.uk/energy-at-home for more information.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	2,027	N/A	N/A	N/A
Water heating (kWh per year)	2,718			

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Assessor's name:	Mr. Alan Mackie
Assessor membership number:	EES/006513
Company name/trading name:	EPC Energy Solutions
Address:	21/1 Marchmont Road
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Phone number:	01316480748
Email address:	info@epcenergysolutions.co.uk
Related party disclosure:	No related party

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Advice and support to improve this property

There is support available, which could help you carry out some of the improvements recommended for this property on page 3 and stop wasting energy and money. For more information, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282.

Home Energy Scotland's independent and expert advisors can offer free and impartial advice on all aspects of energy efficiency, renewable energy and more.




Energy Performance Certificate (EPC)

Scotland

Dwellings

FLAT 27, 200 COWGATE, EDINBURGH, EH1 1NQ

Dwelling type:	Ground-floor flat
Date of assessment:	30 August 2019
Date of certificate:	16 December 2019
Total floor area:	13 m ²
Primary Energy Indicator:	314 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 0811-7828-4430-2350-7972 RdSAP, existing dwelling Stroma Community scheme

You can use this document to:

· Compare current ratings of properties to see which are more energy efficient and environmentally friendly

Estimated energy costs for your home for 3 years*

^t based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions





Energy Efficiency Rating

£681

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (76)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band B (83)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

There are currently no improvement measures recommended for your home.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282. THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental
Walls	System built, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	—	—
Floor	Suspended, insulated (assumed)	—	—
Windows	Fully double glazed	★★★★☆	★★★★☆
Main heating	Community scheme	★★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	****	★★★★☆
Secondary heating	None	_	_
Hot water	Community scheme	★★★☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 55 kg CO₂/m²/yr.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 0.7 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

FLAT 27 , 200 COWGATE, EDINBURGH, EH1 1NQ 16 December 2019 RRN: 0811-7828-4430-2350-7972

Estimated energy costs for this home				
	Current energy costs	Potential energy costs	Potential future savings	
Heating	£339 over 3 years	£339 over 3 years	Not applicable	
Hot water	£288 over 3 years	£288 over 3 years		
Lighting	£54 over 3 years	£54 over 3 years		
Totals	£681	£681		

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

None

FLAT 27 , 200 COWGATE, EDINBURGH, EH1 1NQ 16 December 2019 RRN: 0811-7828-4430-2350-7972

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

You could receive Renewable Heat Incentive (RHI) payments and help reduce carbon emissions by replacing your existing heating system with one that generates renewable heat and, where appropriate, having your loft insulated and cavity walls filled. The estimated energy required for space and water heating will form the basis of the payments. For more information go to www.energysavingtrust.org.uk/scotland/rhi.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	474	N/A	N/A	N/A
Water heating (kWh per year)	1,813			

About this document

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Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 28, 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Ground-floor flat
Date of assessment:	30 August 2019
Date of certificate:	16 December 2019
Total floor area:	20 m ²
Primary Energy Indicator:	233 kWh/m ² /year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 0502-2101-3729-8574-1813 RdSAP, existing dwelling Stroma Community scheme

You can use this document to:

· Compare current ratings of properties to see which are more energy efficient and environmentally friendly

Estimated energy costs for your home for 3 years*

^t based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions





Energy Efficiency Rating

£732

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (78)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band B (84)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

There are currently no improvement measures recommended for your home.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282. THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	otion Energy Efficiency	
Walls	System built, as built, insulated (assumed)	****	****
Roof	(another dwelling above)	_	_
Floor	Suspended, insulated (assumed)	_	_
Windows	Fully double glazed	★★★☆	★★★★☆
Main heating	Community scheme	★★★☆	★★★★☆
Main heating controls	Charging system linked to use of community heating, TRVs	****	★★★★☆
Secondary heating	None	_	_
Hot water	Community scheme	★★★ ☆	★★★★☆
Lighting	Low energy lighting in all fixed outlets	****	****

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 41 kg CO₂/m²/yr.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 0.8 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Flat 28, 200 Cowgate, Edinburgh, EH1 1NQ 16 December 2019 RRN: 0502-2101-3729-8574-1813

Estimated energy costs for this home Current energy costs Potential energy costs Potential future savings Heating £375 over 3 years £375 over 3 years Hot water £288 over 3 years £288 over 3 years Not applicable Lighting £69 over 3 years £69 over 3 years Totals £732 £732

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

None

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

You could receive Renewable Heat Incentive (RHI) payments and help reduce carbon emissions by replacing your existing heating system with one that generates renewable heat and, where appropriate, having your loft insulated and cavity walls filled. The estimated energy required for space and water heating will form the basis of the payments. For more information go to www.energysavingtrust.org.uk/scotland/rhi.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	701	N/A	N/A	N/A
Water heating (kWh per year)	1,826			

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Related party disclosure:	No related party

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Use of this energy performance information

Once lodged by your EPC assessor, this Energy Performance Certificate and Recommendations Report are available to view online at www.scottishepcregister.org.uk, with the facility to search for any single record by entering the property address. This gives everyone access to any current, valid EPC except where a property has a Green Deal Plan, in which case the report reference number (RRN) must first be provided. The energy performance data in these documents, together with other building information gathered during the assessment is held on the Scottish EPC Register and is available to authorised recipients, including organisations delivering energy efficiency and carbon reduction initiatives on behalf of the Scottish and UK governments. A range of data from all assessments undertaken in Scotland is also published periodically by the Scottish Government. Further information on these matters and on Energy Performance Certificates in general, can be found at www.gov.scot/epc.

Energy Performance Certificate (EPC)

Scotland

Dwellings

Flat 29, 200 Cowgate, Edinburgh, EH1 1NQ

Dwelling type:	Ground-floor flat
Date of assessment:	30 August 2019
Date of certificate:	16 December 2019
Total floor area:	21 m ²
Primary Energy Indicator:	231 kWh/m2/year

Reference number: Type of assessment: Approved Organisation: Main heating and fuel: 1502-7101-3729-2574-1813 RdSAP, existing dwelling Stroma Community scheme

You can use this document to:

· Compare current ratings of properties to see which are more energy efficient and environmentally friendly

Estimated energy costs for your home for 3 years*

^t based upon the cost of energy for heating, hot water, lighting and ventilation, calculated using standard assumptions





Energy Efficiency Rating

£735

This graph shows the current efficiency of your home, taking into account both energy efficiency and fuel costs. The higher this rating, the lower your fuel bills are likely to be.

Your current rating is **band C (78)**. The average rating for EPCs in Scotland is **band D (61)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Environmental Impact (CO₂) Rating

This graph shows the effect of your home on the environment in terms of carbon dioxide (CO_2) emissions. The higher the rating, the less impact it has on the environment.

Your current rating is **band B (84)**. The average rating for EPCs in Scotland is **band D (59)**.

The potential rating shows the effect of undertaking all of the improvement measures listed within your recommendations report.

Top actions you can take to save money and make your home more efficient

There are currently no improvement measures recommended for your home.

To find out more about the recommended measures and other actions you could take today to stop wasting energy and money, visit greenerscotland.org or contact Home Energy Scotland on 0808 808 2282. THIS PAGE IS THE ENERGY PERFORMANCE CERTIFICATE WHICH MUST BE AFFIXED TO THE DWELLING AND NOT BE REMOVED UNLESS IT IS REPLACED WITH AN UPDATED CERTIFICATE

Summary of the energy performance related features of this home

This table sets out the results of the survey which lists the current energy-related features of this home. Each element is assessed by the national calculation methodology; 1 star = very poor (least efficient), 2 stars = poor, 3 stars = average, 4 stars = good and 5 stars = very good (most efficient). The assessment does not take into consideration the condition of an element and how well it is working. 'Assumed' means that the insulation could not be inspected and an assumption has been made in the methodology, based on age and type of construction.

Element	Description	Energy Efficiency	Environmental	
Walls	System built, as built, insulated (assumed)	****	****	
Roof	(another dwelling above)	_		
Floor	Suspended, insulated (assumed)	_		
Windows	Fully double glazed	★★★☆	★★★★☆	
Main heating	Community scheme	★★★☆	★★★★☆	
Main heating controls	Charging system linked to use of community heating, TRVs	****	★★★★☆	
Secondary heating	None	_	_	
Hot water	Community scheme	★★★☆	★★★★☆	
Lighting	Low energy lighting in all fixed outlets	****	****	

The energy efficiency rating of your home

Your Energy Efficiency Rating is calculated using the standard UK methodology, RdSAP. This calculates energy used for heating, hot water, lighting and ventilation and then applies fuel costs to that energy use to give an overall rating for your home. The rating is given on a scale of 1 to 100. Other than the cost of fuel for electrical appliances and for cooking, a building with a rating of 100 would cost almost nothing to run.

As we all use our homes in different ways, the energy rating is calculated using standard occupancy assumptions which may be different from the way you use it. The rating also uses national weather information to allow comparison between buildings in different parts of Scotland. However, to make information more relevant to your home, local weather data is used to calculate your energy use, CO₂ emissions, running costs and the savings possible from making improvements.

The impact of your home on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in our homes produces over a quarter of the UK's carbon dioxide emissions. Different fuels produce different amounts of carbon dioxide for every kilowatt hour (kWh) of energy used. The Environmental Impact Rating of your home is calculated by applying these 'carbon factors' for the fuels you use to your overall energy use.

The calculated emissions for your home are 41 kg $CO_2/m^2/yr$.

The average Scottish household produces about 6 tonnes of carbon dioxide every year. Based on this assessment, heating and lighting this home currently produces approximately 0.8 tonnes of carbon dioxide every year. You could reduce emissions by switching to renewable energy sources.

Estimated energy costs for this home **Current energy costs** Potential energy costs Potential future savings Heating £378 over 3 years £378 over 3 years Hot water £288 over 3 years £288 over 3 years Not applicable Lighting £69 over 3 years £69 over 3 years Totals £735 £735

These figures show how much the average household would spend in this property for heating, lighting and hot water. This excludes energy use for running appliances such as TVs, computers and cookers, and the benefits of any electricity generated by this home (for example, from photovoltaic panels). The potential savings in energy costs show the effect of undertaking all of the recommended measures listed below.

Recommendations for improvement

None

Low and zero carbon energy sources

Low and zero carbon (LZC) energy sources are sources of energy that release either very little or no carbon dioxide into the atmosphere when they are used. Installing these sources may help reduce energy bills as well as cutting carbon.

LZC energy sources present: There are none provided for this home

Your home's heat demand

You could receive Renewable Heat Incentive (RHI) payments and help reduce carbon emissions by replacing your existing heating system with one that generates renewable heat and, where appropriate, having your loft insulated and cavity walls filled. The estimated energy required for space and water heating will form the basis of the payments. For more information go to www.energysavingtrust.org.uk/scotland/rhi.

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	716	N/A	N/A	N/A
Water heating (kWh per year)	1,827			

About this document

This Recommendations Report and the accompanying Energy Performance Certificate are valid for a maximum of ten years. These documents cease to be valid where superseded by a more recent assessment of the same building carried out by a member of an Approved Organisation.

The Energy Performance Certificate and this Recommendations Report for this building were produced following an energy assessment undertaken by an assessor accredited by Stroma (www.stroma.com), an Approved Organisation Appointed by Scottish Ministers. The certificate has been produced under the Energy Performance of Buildings (Scotland) Regulations 2008 from data lodged to the Scottish EPC register. You can verify the validity of this document by visiting www.scottishepcregister.org.uk and entering the report reference number (RRN) printed at the top of this page.

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