

Flat 1, 10 Seaview Road, WALLASEY, CH45 4LA

Dwelling type: Top-floor flat
Date of assessment: 06 June 2018
Date of certificate: 19 June 2018

Reference number: 0750-2886-7268-9408-9775
Type of assessment: RdSAP, existing dwelling
Total floor area: 49 m²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 5,340
Over 3 years you could save	£ 3,804

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 111 over 3 years	£ 123 over 3 years	
Heating	£ 4,458 over 3 years	£ 1,068 over 3 years	
Hot Water	£ 771 over 3 years	£ 345 over 3 years	
Totals	£ 5,340	£ 1,536	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating

	Current	Potential
Very energy efficient - lower running costs		
(92 plus) A		
(81-91) B		
(69-80) C		
(55-68) D		71
(39-54) E		
(21-38) F		
(1-20) G	14	
Not energy efficient - higher running costs		

The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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 loft insulation to 270 mm	£100 - £350	£ 1,605
2 Internal or external wall insulation	£4,000 - £14,000	£ 900
3 High heat retention storage heaters	£1,200 - £1,800	£ 1,230

See page 3 for a full list of recommendations for this property.

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	Portable electric heaters (assumed)	—
Hot water	Electric immersion, standard tariff	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 695 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. '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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand





For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	9,216	(3,321)	N/A	(1,862)
Water heating (kWh per year)	1,593			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Increase loft insulation to 270 mm	£100 - £350	£ 535	 F33
Internal or external wall insulation	£4,000 - £14,000	£ 300	 E47
High heat retention storage heaters	£1,200 - £1,800	£ 410	 C70
Heat recovery system for mixer showers	£585 - £725	£ 22	 C71

Alternative measures

There are alternative measures below which you could also consider for your home.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump

Opportunity to benefit from a Green Deal on this property

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You may be able to obtain support towards repairs or replacements of heating systems and/or basic insulation measures, if you are in receipt of qualifying benefits or tax credits. To learn more about this scheme and the rules about eligibility, call the Energy Saving Advice Service on **0300 123 1234** for England and Wales.

About this document and the data in it

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Assessor's accreditation number: STRO018017
Assessor's name: Denis Murphy
Phone number: 07877124202
E-mail address: littlegreenboxltd@gmail.com
Related party disclosure: No related party

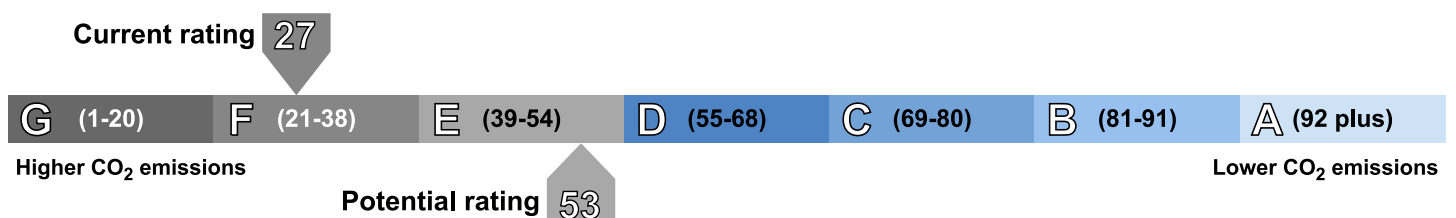
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About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 5.7 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 2.7 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Energy Performance Certificate


Flat 2, 10 Seaview Road, WALLASEY, CH45 4LA

Dwelling type: Top-floor flat
Date of assessment: 06 June 2018
Date of certificate: 19 June 2018
Reference number: 8388-7426-5280-2846-7906
Type of assessment: RdSAP, existing dwelling
Total floor area: 41 m²

Use this document to:

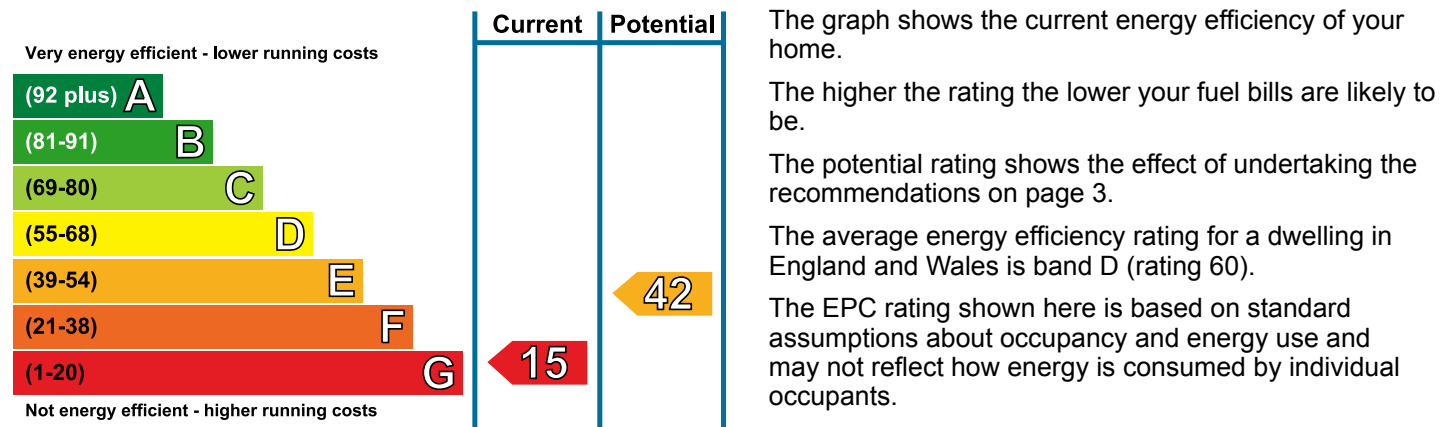
- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 4,902
Over 3 years you could save	£ 1,971

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 96 over 3 years	£ 96 over 3 years	
Heating	£ 3,348 over 3 years	£ 1,377 over 3 years	
Hot Water	£ 1,458 over 3 years	£ 1,458 over 3 years	
Totals	£ 4,902	£ 2,931	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating



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 loft insulation to 270 mm	£100 - £350	£ 1,608
2 Internal or external wall insulation	£4,000 - £14,000	£ 363

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	None	—
Hot water	No system present: electric immersion assumed	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 754 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. '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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand



For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	6,923	(3,324)	N/A	(753)
Water heating (kWh per year)	3,017			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Increase loft insulation to 270 mm	£100 - £350	£ 536	 F36
Internal or external wall insulation	£4,000 - £14,000	£ 121	 E42

Opportunity to benefit from a Green Deal on this property

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Assessor's name: Denis Murphy
Phone number: 07877124202
E-mail address: littlegreenboxltd@gmail.com
Related party disclosure: No related party

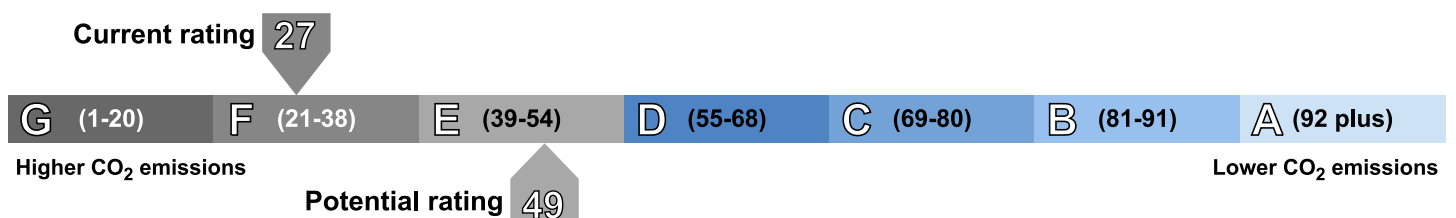
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About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 5.3 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 2.2 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Flat 3, 10 Seaview Road, WALLASEY, CH45 4LA

Dwelling type: Top-floor flat
Date of assessment: 06 June 2018
Date of certificate: 20 June 2018

Reference number: 0954-2886-7268-9408-4721
Type of assessment: RdSAP, existing dwelling
Total floor area: 41 m²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 4,902
Over 3 years you could save	£ 315

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 96 over 3 years	£ 96 over 3 years	
Heating	£ 3,348 over 3 years	£ 3,033 over 3 years	
Hot Water	£ 1,458 over 3 years	£ 1,458 over 3 years	
Totals	£ 4,902	£ 4,587	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating

Rating	Score Range	Current	Potential
Very energy efficient - lower running costs			
(92 plus)	A		
(81-91)	B		
(69-80)	C		
(55-68)	D		
(39-54)	E		
(21-38)	F	15	18
(1-20)	G		
Not energy efficient - higher running costs			

The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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	£ 315

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation (assumed)	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	None	—
Hot water	No system present: electric immersion assumed	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 754 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. '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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand


For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	6,923	(3,324)	N/A	(753)
Water heating (kWh per year)	3,017			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 105	 G18

Opportunity to benefit from a Green Deal on this property

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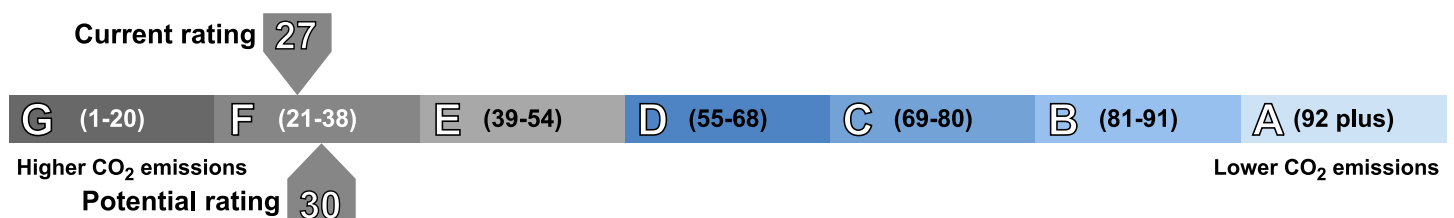
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The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 5.3 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 0.4 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

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Over 3 years you could save	£ 2,649

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 96 over 3 years	£ 105 over 3 years	
Heating	£ 3,348 over 3 years	£ 1,773 over 3 years	
Hot Water	£ 1,458 over 3 years	£ 375 over 3 years	
Totals	£ 4,902	£ 2,253	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating

Rating	Score Range	Current	Potential
A	(92 plus)		
B	(81-91)		
C	(69-80)		
D	(55-68)		55
E	(39-54)		
F	(21-38)		
G	(1-20)	15	

Very energy efficient - lower running costs

Not energy efficient - higher running costs

The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

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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	£ 315
2 High heat retention storage heaters and dual immersion cylinder	£800 - £1,200	£ 2,337

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Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation (assumed)	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	None	—
Hot water	No system present: electric immersion assumed	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 754 kWh/m² per year

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Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand



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Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	6,923	(3,324)	N/A	(753)
Water heating (kWh per year)	3,017			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

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The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 105	 G18
High heat retention storage heaters and dual immersion cylinder	£800 - £1,200	£ 779	 D55

Alternative measures

There are alternative measures below which you could also consider for your home.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump

Opportunity to benefit from a Green Deal on this property

Green Deal Finance allows you to pay for some of the cost of your improvements in instalments under a Green Deal Plan (note that this is a credit agreement, but with instalments being added to the electricity bill for the property). The availability of a Green Deal Plan will depend upon your financial circumstances. There is a limit to how much Green Deal Finance can be used, which is determined by how much energy the improvements are estimated to **save** for a 'typical household'.

You may be able to obtain support towards repairs or replacements of heating systems and/or basic insulation measures, if you are in receipt of qualifying benefits or tax credits. To learn more about this scheme and the rules about eligibility, call the Energy Saving Advice Service on **0300 123 1234** for England and Wales.

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Assessor's accreditation number: STRO018017
Assessor's name: Denis Murphy
Phone number: 07877124202
E-mail address: littlegreenboxltd@gmail.com
Related party disclosure: No related party

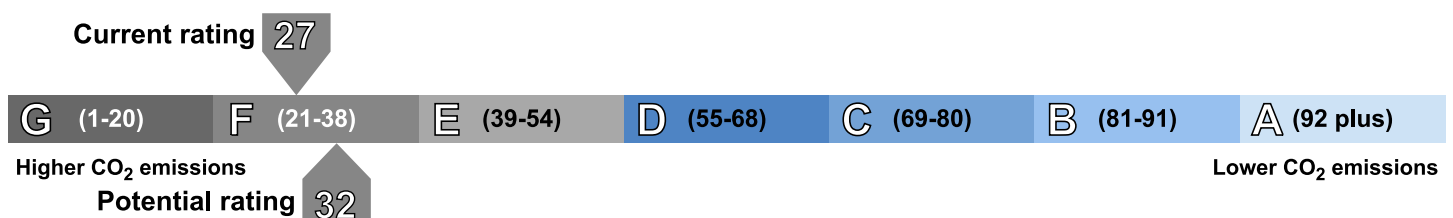
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About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 5.3 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 0.6 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Energy Performance Certificate

Flat 6, 10 Seaview Road, WALLASEY, CH45 4LA

Dwelling type: Top-floor flat
Date of assessment: 06 June 2018
Date of certificate: 20 June 2018

Reference number: 0652-2886-7269-9408-7731
Type of assessment: RdSAP, existing dwelling
Total floor area: 41 m²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 4,902
Over 3 years you could save	£ 2,649

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 96 over 3 years	£ 105 over 3 years	
Heating	£ 3,348 over 3 years	£ 1,773 over 3 years	
Hot Water	£ 1,458 over 3 years	£ 375 over 3 years	
Totals	£ 4,902	£ 2,253	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating

Rating	Score Range	Current	Potential
A	(92 plus)		
B	(81-91)		
C	(69-80)		
D	(55-68)		55
E	(39-54)		
F	(21-38)		
G	(1-20)	15	

Very energy efficient - lower running costs

Not energy efficient - higher running costs

The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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	£ 315
2 High heat retention storage heaters and dual immersion cylinder	£800 - £1,200	£ 2,337

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation (assumed)	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	None	—
Hot water	No system present: electric immersion assumed	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 754 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. '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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand



For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	6,923	(3,324)	N/A	(753)
Water heating (kWh per year)	3,017			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 105	 G18
High heat retention storage heaters and dual immersion cylinder	£800 - £1,200	£ 779	 D55

Alternative measures

There are alternative measures below which you could also consider for your home.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump

Opportunity to benefit from a Green Deal on this property

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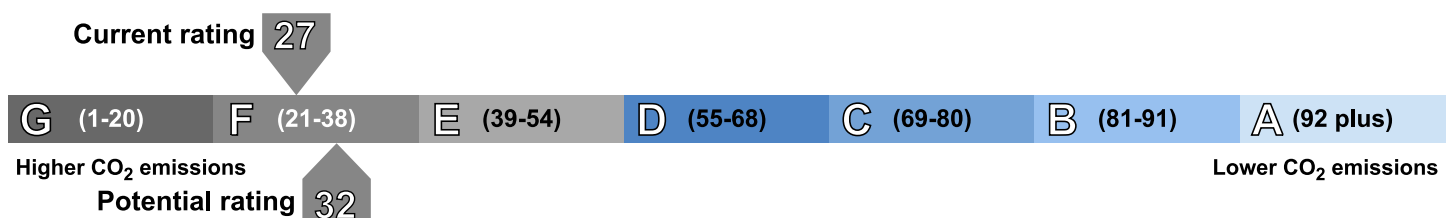
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About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 5.3 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 0.6 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Flat 7, 10 Seaview Road, WALLASEY, CH45 4LA

Dwelling type: Top-floor flat
Date of assessment: 06 June 2018
Date of certificate: 20 June 2018

Reference number: 0156-2886-7269-9408-7741
Type of assessment: RdSAP, existing dwelling
Total floor area: 41 m²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 5,313
Over 3 years you could save	£ 2,976

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 96 over 3 years	£ 105 over 3 years	
Heating	£ 3,759 over 3 years	£ 1,857 over 3 years	
Hot Water	£ 1,458 over 3 years	£ 375 over 3 years	
Totals	£ 5,313	£ 2,337	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating

Rating	Current	Potential
(92 plus) A		
(81-91) B		
(69-80) C		
(55-68) D		
(39-54) E		
(21-38) F		
(1-20) G	10	54

The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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	£ 576
2 High heat retention storage heaters and dual immersion cylinder	£800 - £1,200	£ 2,400

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation (assumed)	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	None	—
Hot water	No system present: electric immersion assumed	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 818 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. '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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand



For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	7,773	(3,242)	N/A	(1,325)
Water heating (kWh per year)	3,017			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 192	 G16
High heat retention storage heaters and dual immersion cylinder	£800 - £1,200	£ 800	 E54

Alternative measures

There are alternative measures below which you could also consider for your home.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump

Opportunity to benefit from a Green Deal on this property

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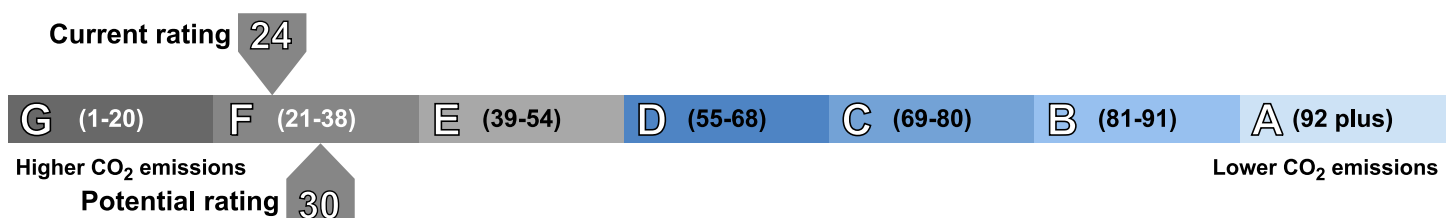
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The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 5.7 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 0.9 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Energy Performance Certificate

Flat 8, 10 Seaview Road, WALLASEY, CH45 4LA

Dwelling type:	Top-floor flat	Reference number:	0856-2886-7269-9408-6795
Date of assessment:	06 June 2018	Type of assessment:	RdSAP, existing dwelling
Date of certificate:	20 June 2018	Total floor area:	27 m ²

Use this document to:

- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 3,882
Over 3 years you could save	£ 2,262

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 69 over 3 years	£ 75 over 3 years	
Heating	£ 2,415 over 3 years	£ 1,203 over 3 years	
Hot Water	£ 1,398 over 3 years	£ 342 over 3 years	
Totals	£ 3,882	£ 1,620	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating

	Current	Potential
<p>Very energy efficient - lower running costs</p> <p>(92 plus) A</p> <p>(81-91) B</p> <p>(69-80) C</p> <p>(55-68) D</p> <p>(39-54) E</p> <p>(21-38) F</p> <p>(1-20) G</p> <p>Not energy efficient - higher running costs</p>	<p>17</p>	<p>61</p>

The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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	£ 405
2 High heat retention storage heaters and dual immersion cylinder	£800 - £1,200	£ 1,851

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation (assumed)	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	None	—
Hot water	No system present: electric immersion assumed	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 926 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. '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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand

For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	4,994	(2,085)	N/A	(894)
Water heating (kWh per year)	2,888			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

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Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 135	F23
High heat retention storage heaters and dual immersion cylinder	£800 - £1,200	£ 617	D61

Alternative measures

There are alternative measures below which you could also consider for your home.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump

Opportunity to benefit from a Green Deal on this property

Green Deal Finance allows you to pay for some of the cost of your improvements in instalments under a Green Deal Plan (note that this is a credit agreement, but with instalments being added to the electricity bill for the property). The availability of a Green Deal Plan will depend upon your financial circumstances. There is a limit to how much Green Deal Finance can be used, which is determined by how much energy the improvements are estimated to **save** for a 'typical household'.

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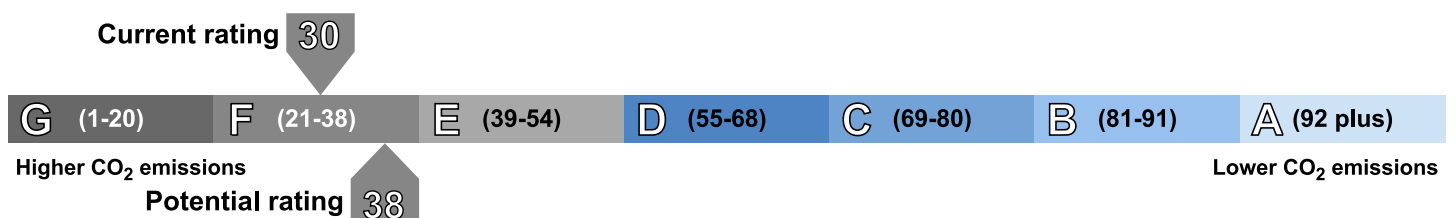
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One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 4.2 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 0.8 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Flat 9, 10 Seaview Road, WALLASEY, CH45 4LA

Dwelling type: Top-floor flat
Date of assessment: 06 June 2018
Date of certificate: 20 June 2018

Reference number: 8768-7426-5290-9816-7906
Type of assessment: RdSAP, existing dwelling
Total floor area: 72 m²

Use this document to:

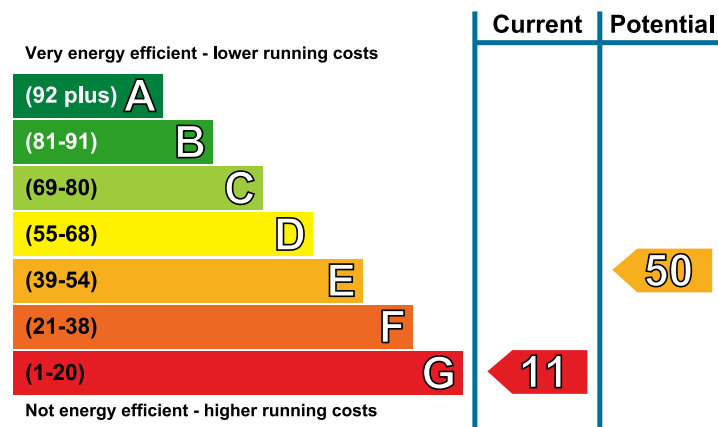
- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 7,092
Over 3 years you could save	£ 3,693

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 162 over 3 years	£ 177 over 3 years	
Heating	£ 5,310 over 3 years	£ 2,838 over 3 years	
Hot Water	£ 1,620 over 3 years	£ 384 over 3 years	
Totals	£ 7,092	£ 3,399	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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	£ 360
2 High heat retention storage heaters and dual immersion cylinder	£1,200 - £1,800	£ 3,258
3 Heat recovery system for mixer showers	£585 - £725	£ 75

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation (assumed)	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	None	—
Hot water	No system present: electric immersion assumed	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 625 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. '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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand




For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	10,981	(5,176)	N/A	(926)
Water heating (kWh per year)	3,353			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 120	 G14
High heat retention storage heaters and dual immersion cylinder	£1,200 - £1,800	£ 1,086	 E49
Heat recovery system for mixer showers	£585 - £725	£ 25	 E50

Alternative measures

There are alternative measures below which you could also consider for your home.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump

Opportunity to benefit from a Green Deal on this property

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You may be able to obtain support towards repairs or replacements of heating systems and/or basic insulation measures, if you are in receipt of qualifying benefits or tax credits. To learn more about this scheme and the rules about eligibility, call the Energy Saving Advice Service on **0300 123 1234** for England and Wales.

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Assessor's accreditation number: STRO018017
Assessor's name: Denis Murphy
Phone number: 07877124202
E-mail address: littlegreenboxltd@gmail.com
Related party disclosure: No related party

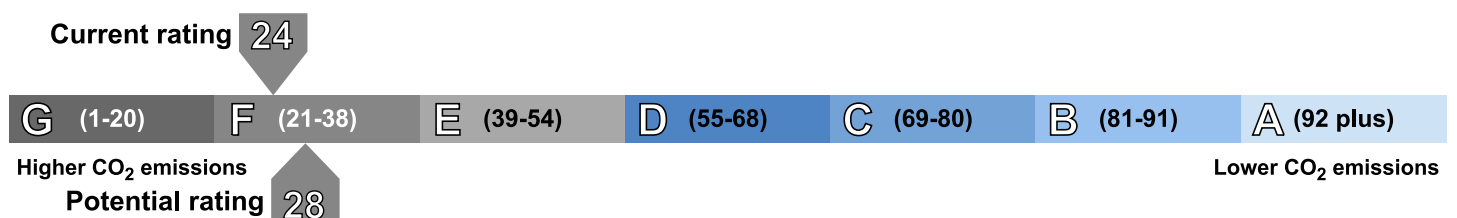
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About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 7.6 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 0.6 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Flat 10, 10 Seaview Road, WALLASEY, CH45 4LA

Dwelling type:	Top-floor flat	Reference number:	0452-2886-7360-9408-7761
Date of assessment:	06 June 2018	Type of assessment:	RdSAP, existing dwelling
Date of certificate:	20 June 2018	Total floor area:	54 m ²

Use this document to:

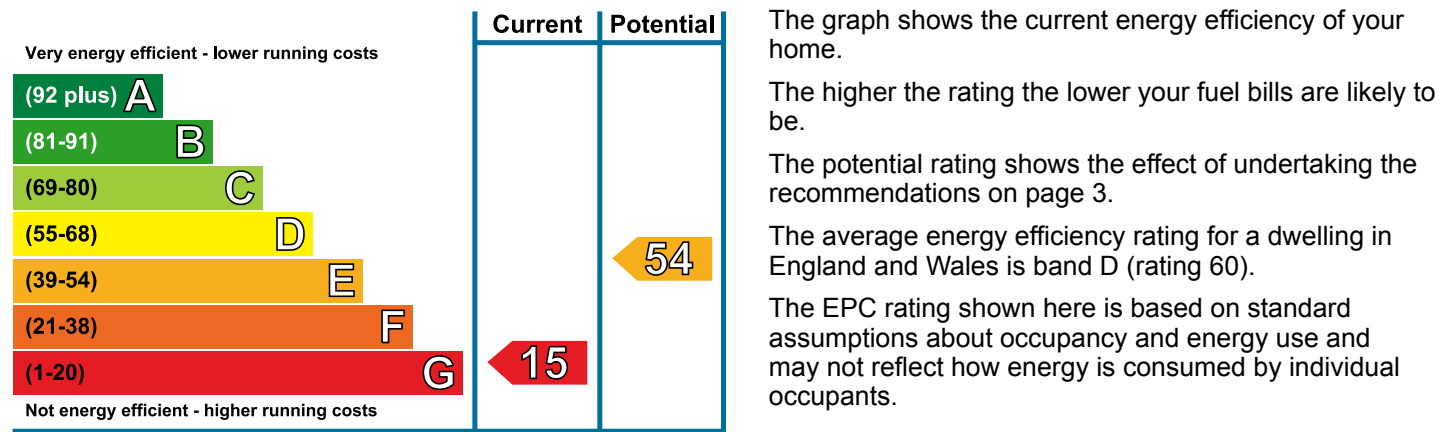
- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 5,586
Over 3 years you could save	£ 2,928

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 123 over 3 years	£ 135 over 3 years	
Heating	£ 3,933 over 3 years	£ 2,112 over 3 years	
Hot Water	£ 1,530 over 3 years	£ 411 over 3 years	
Totals	£ 5,586	£ 2,658	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating



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	£ 297
2 High heat retention storage heaters and dual immersion cylinder	£1,200 - £1,800	£ 2,631

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation (assumed)	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	None	—
Hot water	No system present: electric immersion assumed	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 656 kWh/m² per year

The assessment does not take into consideration the physical condition of any element. '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.

Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand



For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	8,131	(3,874)	N/A	(752)
Water heating (kWh per year)	3,162			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 99	 G18
High heat retention storage heaters and dual immersion cylinder	£1,200 - £1,800	£ 877	 E54

Alternative measures

There are alternative measures below which you could also consider for your home.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump

Opportunity to benefit from a Green Deal on this property

Green Deal Finance allows you to pay for some of the cost of your improvements in instalments under a Green Deal Plan (note that this is a credit agreement, but with instalments being added to the electricity bill for the property). The availability of a Green Deal Plan will depend upon your financial circumstances. There is a limit to how much Green Deal Finance can be used, which is determined by how much energy the improvements are estimated to **save** for a 'typical household'.

You may be able to obtain support towards repairs or replacements of heating systems and/or basic insulation measures, if you are in receipt of qualifying benefits or tax credits. To learn more about this scheme and the rules about eligibility, call the Energy Saving Advice Service on **0300 123 1234** for England and Wales.

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Assessor's accreditation number: STRO018017
Assessor's name: Denis Murphy
Phone number: 07877124202
E-mail address: littlegreenboxltd@gmail.com
Related party disclosure: No related party

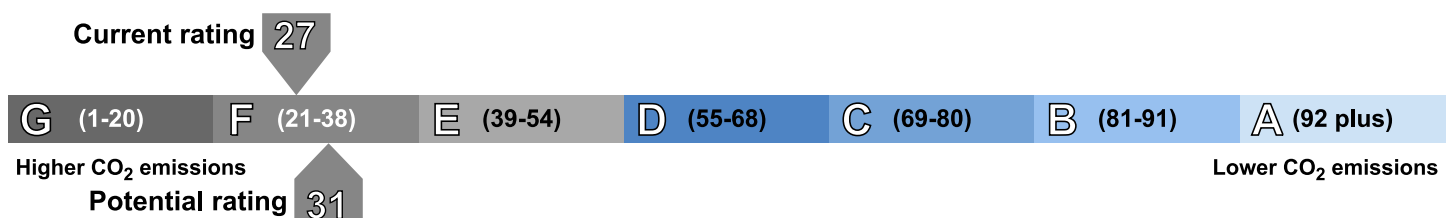
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About the impact of buildings on the environment

One of the biggest contributors to global warming is carbon dioxide. The energy we use for heating, lighting and power in homes produces over a quarter of the UK's carbon dioxide emissions.

The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 6.0 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 0.5 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.



Flat 11, 10 Seaview Road, WALLASEY, CH45 4LA

Dwelling type: Top-floor flat
Date of assessment: 06 June 2018
Date of certificate: 20 June 2018

Reference number: 8703-9465-0829-8307-1683
Type of assessment: RdSAP, existing dwelling
Total floor area: 44 m²

Use this document to:

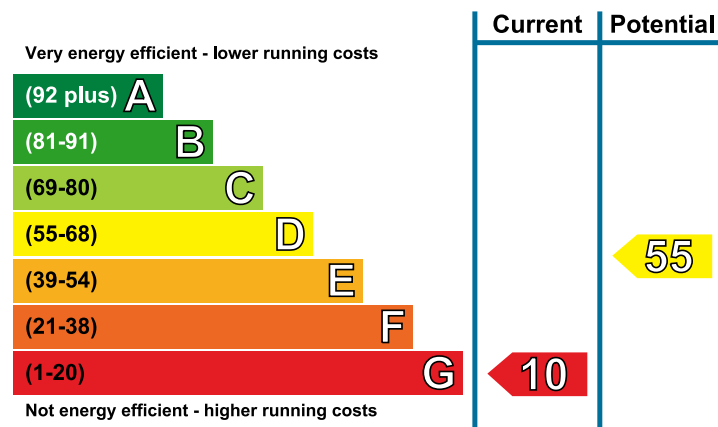
- Compare current ratings of properties to see which properties are more energy efficient
- Find out how you can save energy and money by installing improvement measures

Estimated energy costs of dwelling for 3 years:	£ 5,529
Over 3 years you could save	£ 3,216

Estimated energy costs of this home			
	Current costs	Potential costs	Potential future savings
Lighting	£ 102 over 3 years	£ 111 over 3 years	
Heating	£ 3,954 over 3 years	£ 1,821 over 3 years	
Hot Water	£ 1,473 over 3 years	£ 381 over 3 years	
Totals	£ 5,529	£ 2,313	

These figures show how much the average household would spend in this property for heating, lighting and hot water and is not based on energy used by individual households. This excludes energy use for running appliances like TVs, computers and cookers, and electricity generated by microgeneration.

Energy Efficiency Rating



The graph shows the current energy efficiency of your home.

The higher the rating the lower your fuel bills are likely to be.

The potential rating shows the effect of undertaking the recommendations on page 3.

The average energy efficiency rating for a dwelling in England and Wales is band D (rating 60).

The EPC rating shown here is based on standard assumptions about occupancy and energy use and may not reflect how energy is consumed by individual occupants.

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	£ 846
2 High heat retention storage heaters and dual immersion cylinder	£1,200 - £1,800	£ 2,367

To find out more about the recommended measures and other actions you could take today to save money, visit www.gov.uk/energy-grants-calculator or call **0300 123 1234** (standard national rate). The Green Deal may enable you to make your home warmer and cheaper to run.

Summary of this home's energy performance related features

Element	Description	Energy Efficiency
Walls	Solid brick, as built, no insulation (assumed)	★ ★ ☆ ☆ ☆
Roof	Pitched, no insulation (assumed)	★ ☆ ☆ ☆ ☆
Floor	(other premises below)	—
Windows	Fully double glazed	★ ★ ★ ☆ ☆
Main heating	Room heaters, electric	★ ☆ ☆ ☆ ☆
Main heating controls	Appliance thermostats	★ ★ ★ ★ ☆
Secondary heating	None	—
Hot water	No system present: electric immersion assumed	★ ☆ ☆ ☆ ☆
Lighting	Low energy lighting in all fixed outlets	★ ★ ★ ★ ★

Current primary energy use per square metre of floor area: 796 kWh/m² per year

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Low and zero carbon energy sources

Low and zero carbon 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. There are none provided for this home.

Your home's heat demand



For most homes, the vast majority of energy costs derive from heating the home. Where applicable, this table shows the energy that could be saved in this property by insulating the loft and walls, based on typical energy use (shown within brackets as it is a reduction in energy use).

Heat demand	Existing dwelling	Impact of loft insulation	Impact of cavity wall insulation	Impact of solid wall insulation
Space heating (kWh per year)	8,173	(3,038)	N/A	(1,896)
Water heating (kWh per year)	3,048			

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, subject to meeting minimum energy efficiency requirements. The estimated energy required for space and water heating will form the basis of the payments. For more information, search for the domestic RHI on the www.gov.uk website.

Recommendations

The measures below will improve the energy performance of your 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 you could take today to save money is available at www.gov.uk/energy-grants-calculator. Before installing measures, you should make sure you have secured the appropriate permissions, where necessary. Such permissions might include permission from your landlord (if you are a tenant) or approval under Building Regulations for certain types of work.

Recommended measures	Indicative cost	Typical savings per year	Rating after improvement
Internal or external wall insulation	£4,000 - £14,000	£ 282	 G19
High heat retention storage heaters and dual immersion cylinder	£1,200 - £1,800	£ 789	 D55

Alternative measures

There are alternative measures below which you could also consider for your home.

- Biomass boiler (Exempted Appliance if in Smoke Control Area)
- Air or ground source heat pump

Opportunity to benefit from a Green Deal on this property

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The average household causes about 6 tonnes of carbon dioxide every year. Based on this assessment, your home currently produces approximately 5.9 tonnes of carbon dioxide every year. Adopting the recommendations in this report can reduce emissions and protect the environment. If you were to install these recommendations you could reduce this amount by 1.1 tonnes per year. You could reduce emissions even more by switching to renewable energy sources.

The environmental impact rating is a measure of a home's impact on the environment in terms of carbon dioxide (CO₂) emissions based on standardised assumptions about occupancy and energy use. The higher the rating the less impact it has on the environment.

