



# Marlow Energy Group Ltd



(a Community Benefit Society Reg. No. 8346)

[www.marlowenergygroup.com](http://www.marlowenergygroup.com)

***Thermal Imaging Camera presentation  
to the South West Chilterns Community Board***

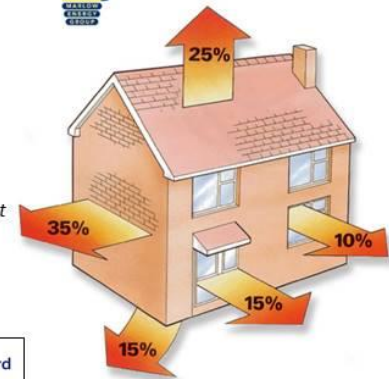
***On Wednesday 16<sup>th</sup> of February 2022***

Publicity



# A5 Leaflet

- 25% of the CO<sub>2</sub> emissions we produce in the UK are from heating our homes.
- A poorly insulated or draughty house could be costing **YOU** hundreds of £'s each year.
- Let Marlow Energy Group help pinpoint where your house is losing heat and money.
- Email us at [marlowenergygroup@gmail.com](mailto:marlowenergygroup@gmail.com) to arrange a free heat loss survey.
- *MEG is a local non-profit group, run by volunteers, with the aim of reducing Marlow's carbon footprint. Find out more at [www.marlowenergygroup.com](http://www.marlowenergygroup.com)*



This Thermal Imaging Camera Project was financed by a generous grant from



Community Board  
South West  
Chilterns

Free Thermal Energy Survey Save Energy & Money  
 (Marlow Town only)

**MARLOW ENERGY GROUP (MEG)**

We know we all need to reduce our **CARBON FOOTPRINT**

**But what is Marlow's Carbon Footprint?**

Sector	Percentage
Air Travel	22%
Car Travel	12%
Home Heating	11%
Food & drink	10%
Government Services	8%
At work	8%
Stuff we buy	6%
Home Electricity	6%

Marlow (SL7) Population ~ 20,000  
 Est. Current Emissions 287,000 tonnes/annum

**Where do we need to get to and by when?**

Year	Reduction Target
Current 2021	-
by 2035 (or before)	-78%
by 2050 (or before)	-100%

**Free Heat Loss Survey**

How much is your home costing you?

**MARLOW ENERGY GROUP**

**What needs to happen?**

Government, Councils, Businesses and Households need to work together to

- Jointly develop a cohesive action plan
- Implement the plan as soon as possible
- Start taking all possible actions now

**We only have this decade to do this!**

**I want to do something, but what can I do?**

- LOBBY** your MP, Ministers, Councillors, Businesses and Schools
- LEARN** the truth about the science & what your Govt/Council are(n't) doing
- TALK** to your friends and colleagues, Join or form a group (like MEG)
- INVEST** in environment friendly savings, pensions and portfolios
- LEAD** by example - take personal actions to reduce your own footprint

by playing our Duplo Footprint Game, looking for ideas in our leaflet, visiting [www.marlowenergygroup.com](http://www.marlowenergygroup.com)



# Our 'Booking in' Form



## Thermal Camera Survey Booking Form and Pre-visit Questionnaire

Please complete this form, save it as a Word document, and then, email it to [marlowenergygroup@gmail.com](mailto:marlowenergygroup@gmail.com) (you may have to click on 'enable editing'), or post it to Marlow Energy Group c/o 9, Spinfield Lane, Marlow, SL7 2JT.

Name	
Address	
Tel. No.	
Email Address	

We will contact you to arrange a convenient time and day for your survey (free of charge).

*Important - Please be assured MEG adheres to the GDPR legislation of 25 May 2018. Your personal data will be treated as confidential and none of it, or any subsequent reports, will be shared with any third parties.*

The questionnaire below is intended to obtain some background information about your house in preparation for thermal image photography by members of Marlow Energy Group. We will use this information to aid us in the interpretation of the images. Please return this questionnaire to [marlowenergygroup@gmail.com](mailto:marlowenergygroup@gmail.com).

*Please help us by indicating your responses, where possible, by clicking on the relevant box*

1. What is the age of your house? Pre 1900  1900-1930  1930-1995  post 1995   
don't know
2. What are the walls made of? Solid Wall  Cavity wall  Insulated cavity wall  don't know
3. Are your windows? single glazed  double glazed  a mixture of double & single glazed   
don't know
4. If you do have loft insulation, what is the thickness? 100mm  200mm  300mm   
don't know
5. What is the main method that you use to heat your house? Gas central heating  Electric heating   
 Oil fired boiler  Wood burning stove  Air or Ground Source Heat Pump  don't know
6. How aware are you of what you can do to make your home more energy efficient?  
Not aware  Somewhat aware  Already aware
7. Are there any hazards we should be aware when surveying; ponds, dogs, etc.?

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Chilterns



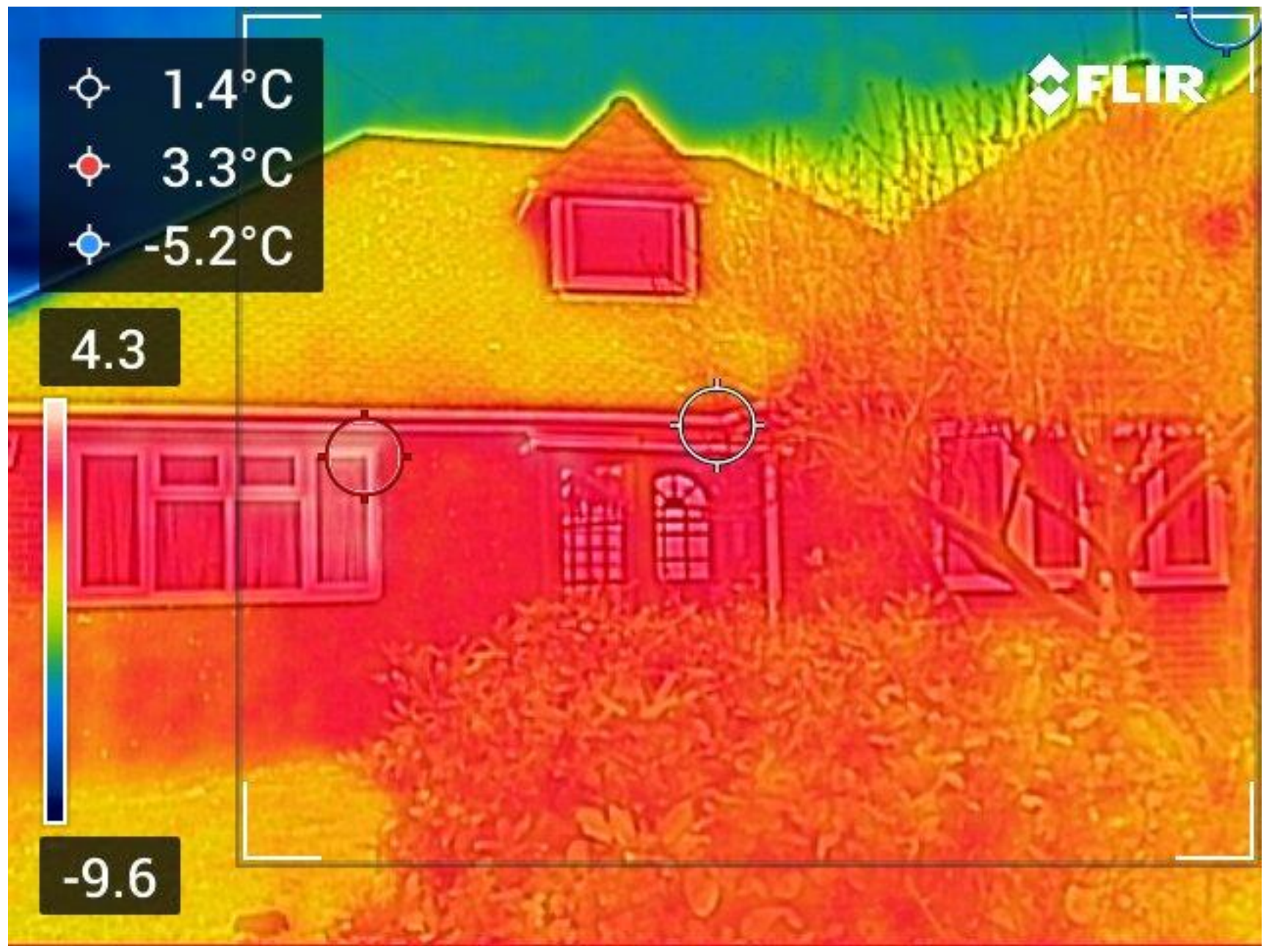


- 1.4°C
- 3.3°C
- 5.2°C

4.3





-9.6






 FLIR

 5.7°C

 15.7°C

 -9.2°C

7.4



-9.6



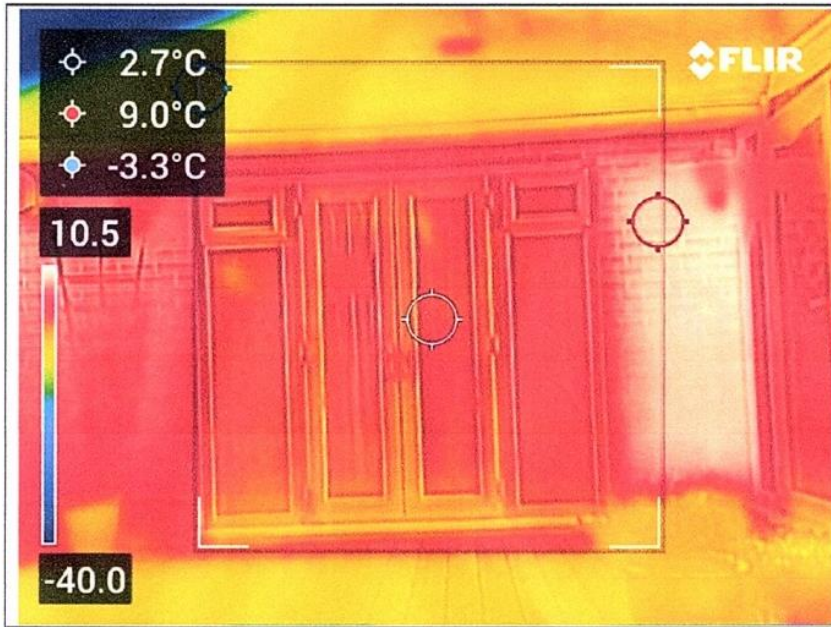
# A Redacted Report

MEG Thermal Imaging Camera Survey Report

Date: 31/1/2022

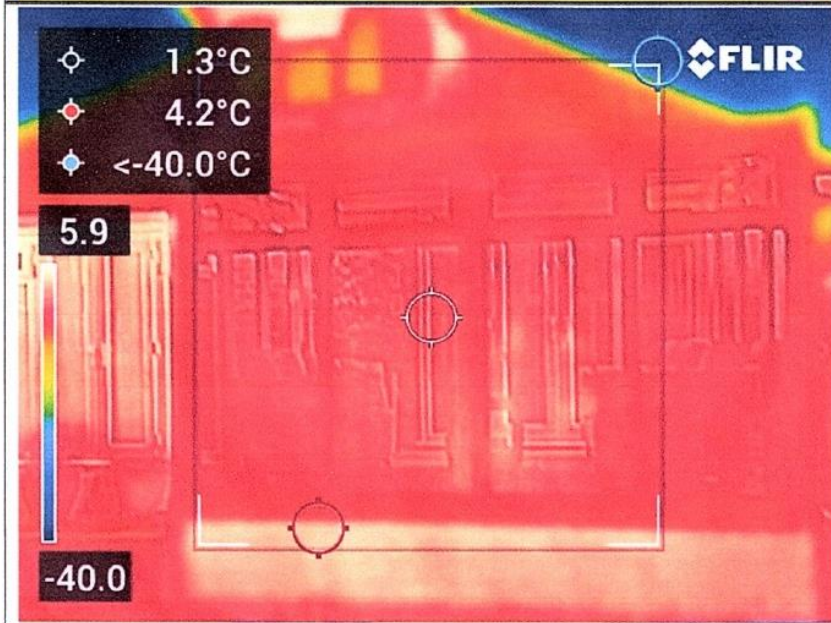
Address: ??????????????

Image	Interpretation
	<p><b>Rear elevation</b></p> <p>Areas in red and white show areas of heat loss. Please note top window in Dormer.</p>
	<p><b>Rear elevation left area</b></p> <p>Again areas in white show a relatively high heat loss.</p>



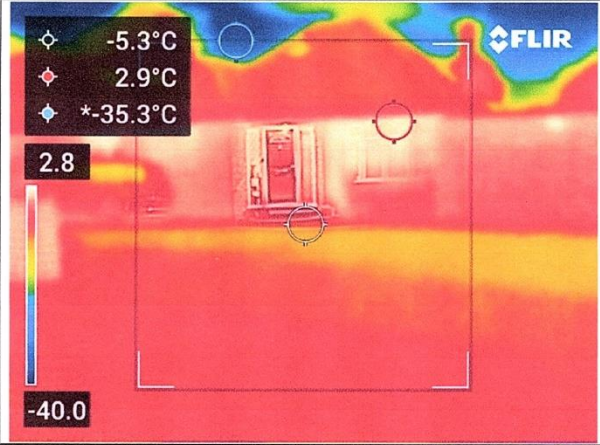
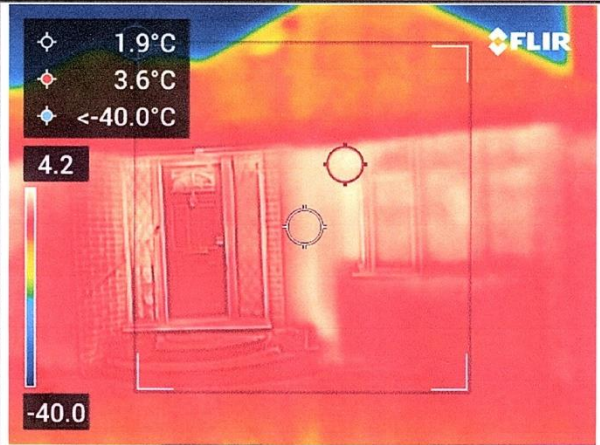
????????????  
**Rear elevation  
 Middle Windows**

Again area in white shows a heat loss.



**Rear elevation  
 Conservatory**

A little heat loss here.

	<p>????????????</p> <p><b>Front elevation</b></p> <p>Again areas in white show areas of heat loss.</p>
	<p><b>Front elevation, Front door and window to the right</b></p> <p>Area between door and window shows a heat loss, but door looks well insulated.</p>

Please note that the above graphics just give an idea where heat is likely to be being lost. From your Pre-visit Questionnaire, it would appear that cavity wall insulation is not present in all locations.

The suggested minimum depth of loft insulation for the best energy efficiency is 30cm and any increase should decrease your energy usage.

Apart from the left section of your house, viewed from your back garden, most of your house appears relatively well insulated, and therefore, relatively fuel efficient.

However, you may wish to improve things by addressing the areas of heat loss identified above.

Disclaimer - We are all volunteers at MEG and we try to help Marlow residents to reduce their energy use. Our surveys are free of charge and are conducted in good faith. However, we cannot be made responsible for any liabilities that may arise. We do not give advice, nor recommend contractors, we merely report on the observations we have made.

# Our Information Leaflets



# Marlow Energy Group Ltd



(a Community Benefit Society Reg. No. 8346)

[www.marlowenergygroup.com](http://www.marlowenergygroup.com)

c/o 9 Spinfield Lane, Marlow, Bucks, SL7 2JT.

Tel. 01628-481792, Email - [marlowenergygroup@gmail.com](mailto:marlowenergygroup@gmail.com)

## Information on Reducing Energy Usage

Marlow Energy Group (MEG) has compiled a list of non-commercial organisations who offer advice and information for householders to reducing energy use and save money.

In addition, on the reverse of this leaflet, you will find another list of organisations that offer grants that may both save you money and improve the energy efficiency of your house.

Energy Savings Trust (EST) - <https://energysavingtrust.org.uk/energy-at-home/>

Local Authority Delivery (LAD2) - <https://www.energyhub.org.uk/lad2/what-is-lad2/>

National Energy Foundation (NEF) - <https://nef.org.uk/energy-saving-in-the-home/>

Better Housing, Better Health (BHBH) - <https://www.bhbh.org.uk/>

CAT (Centre for Alternative Technologies) - <https://cat.org.uk/info-resources/free-information-service/eco-renovation/eco-retrofit/>

Simple Energy Advice - <https://www.simpleenergyadvice.org.uk/>

Draught Busters - <https://readinguk.org/draughtbusters/>

### Our Partners





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## Organisations Offering **Grants & Discounts**

The list below is of organisations who offer grants, which may save energy use, CO2 emissions and money!

Please check carefully, as some of these grants are specifically for those on low incomes.

Better Housing, Better Health (BHBH) - <https://www.bhbh.org.uk/grants-and-funding/>

Energy Savings Trust (EST) - <https://energysavingtrust.org.uk/energy-at-home/financial-support/financial-support-for-home-energy/>

National Energy Foundation (NEF) - <https://nef.org.uk/project/green-homes-grant/>

Greater South East Energy Hub - <https://www.energyhub.org.uk/lad2/what-is-lad2/>

Warm Works Green Homes Grants - <https://www.warmworks.co.uk/greenhomesgrant/>

ECO (Energy Company Obligation) - <https://www.simpleenergyadvice.org.uk/pages/energy-company-obligation>

Warm Home Discount - <https://www.simpleenergyadvice.org.uk/pages/warm-home-discount>

## How to Find a Government Certified Installer

Microgeneration Certification Scheme - <https://mcs-certified.com/find-an-installer/>

### Our Partners







# Important

To conduct surveys of all the houses in Marlow, we will require many more people to help us complete this task.

So, if you have a spare hour on a weekday evening in February or March, please let us know by emailing us at [marlowenergygroup@gmail.com](mailto:marlowenergygroup@gmail.com)

No experience needed, but you must be a member of Marlow Energy Group to be insured (£10 joining fee, see [www.marlowenergygroup.com](http://www.marlowenergygroup.com) for details).

MEG would like to thank  
the South West Chilterns  
Community Board  
and Buckinghamshire Council  
for the grant  
needed to purchase the camera,  
leaflet, posters, etc.