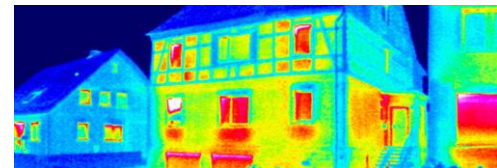


Hunt the Heat

Daniel Lazar
Graham Long

hunttheheat@gmail.com

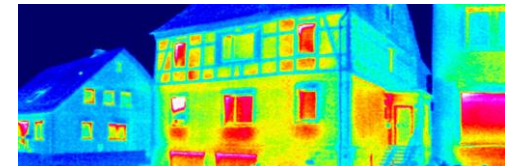


Fuel Costs Up

Carbon Emissions from oil 40% higher than gas
Heat pumps are no use without proper insulation

A recent [report by Citizen's Advice](#) showed that the average UK household loses almost £350 worth of heat a year due to poor insulation. For the most inefficient homes, this “inefficiency penalty” can reach up to £951.

Some things may require investment, such as replacing single glazed with double or triple glazed windows, but sometimes the solution can be very simple and even free, such as reducing draughts under a door with an old rug. The key is to understand, and then decide what to do. Reducing heat losses will save money but also reduce the carbon footprint. And anything done will also save money and reduce the environmental impact next year and the year after.

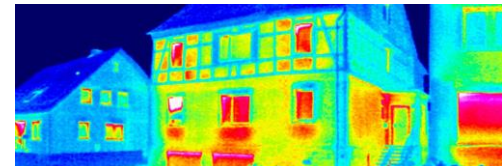


History of the Project

The housing stock of the Blackdown Hills is generally in poor condition. Old, badly insulated large houses heated by oil – many listed, so without double glazing. Isolated, in places noted for being cold and wet. All 39 parishes in the AONB share many of the same problems.

The Blackdown Hills Parish Network was set up to address issues common to us all – transport, planning, broadband and rural deprivation.

This is our latest service for member parishes which will be launched this winter.



Have a free thermal imaging survey conducted by one of your parish councillors or their representative

A thermal imaging survey is the process of inspecting a property with a thermographic camera. A thermographic camera detects different temperatures throughout a property creating a thermal image

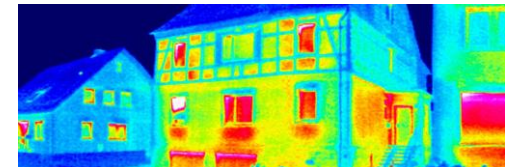
Thermal Imaging surveys can detect areas of missing insulation, areas of moisture/damp build up as well as areas of heat loss such as unsealed windows and doors.

The most common reason for this type of survey is to assess the energy efficiency of your home. Now more than ever, homeowners are conscious of their energy usage and how much they are spending on heating their home and a thermal imaging survey can help to reduce that. Many homes have insufficient insulation and seals, which can add hundreds of pounds every year to heating bills. A thermal imaging survey gives you a clear conscience that you're doing your bit to use as little oil, gas and electricity as possible.



The Blackdown Hills Parish Network has acquired a FLIR C5 infrared camera, available to be loaned out to member parishes free of charge.

This has been purchased thanks to a generous grant from the Blackdown Hills AONB.



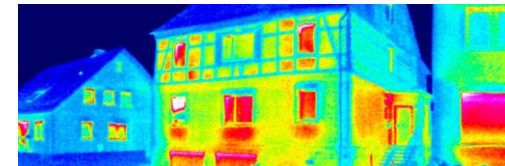
The photographs will be taken by a volunteer, usually but not necessarily a local Parish Councillor who has been trained in the use of the infra-red camera but is not a qualified surveyor. (NB: When the volunteer is not a Parish Councillor, the volunteer must be nominated by the Parish Council and that nomination confirmed in writing to the BHPN). The equipment and service will be offered to parishes signed up to the BHPN on a first come first served basis, and the BHPN does not guarantee that images can be taken in the forthcoming winter season if demand for the camera exceeds our ability to provide this service. Images taken will be shared anonymously with the BHPN team running this project

IMPORTANT: The photos are provided without any guarantee of accuracy or appropriateness to make decisions. They are intended to provide ideas for further investigation.



How does it work

- A member of the Parish Council (or nominated volunteer) attends training
- Arrange insurance to cover equipment for loan period (about £3 per year)
- Publicise scheme to your parish with help from the BHPN
- Plan a period when you want to conduct the surveys
- Make appointments with the parishioners
- Collect the equipment from Membury
- Conduct surveys (fingers crossed for cold dry conditions!)
- Email results to customers
- Return equipment
- Contact customers after 6 months for follow up



Signposting after a survey

The Energy Saving Trust provides useful advice on how to reduce heat loss from your home. Their web address is:

<https://energysavingtrust.org.uk/energy-at-home/reducing-home-heat-loss/>

Residents can also get in touch with The Centre for Sustainable Energy (CSE) Their web address is:

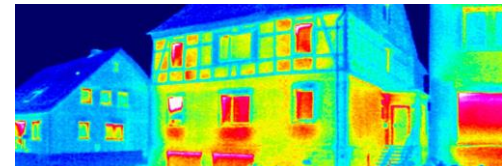
<https://www.cse.org.uk/my-home/advice/>

The BHPN has worked with the CSE in the past on their IMPACT parish-level carbon footprint calculator

Citizens Advice is a trusted organisation which also has useful information

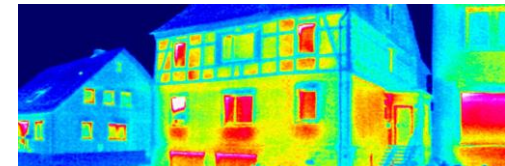
<https://www.citizensadvice.org.uk/consumer/energy/energy-supply/save-energy-at-home/make-sure-your-home-is-energy-efficient/>

Most energy companies can also give advice on energy savings so it's worthwhile looking at suppliers websites



How this will work in practise ...

- A parish council completes a [sign-up form](#) and nominates an Operator
- The Operator undertakes a short training course (a couple of hours max)
- Once trained, the Parish Council uses the [camera booking form](#) on this site and books the camera for a mutually agreed two-week period, and arranges all-risks insurance for the camera which has a value of £670.
- The Parish Council, advertises the service to their parish, and makes appointments with interested parties.
- The Parish Council sends each client a link to the [survey request form](#) to be completed by each home owner requesting s survey, which requests some details of the property, explains the process and requires consent for the survey to take place.
- The Operator carries out the survey at a mutually agreed time and date
- The Operator emails images taken back to the property owner / client.
- After the end of the two-week period the camera is returned to the BHPN Camera Custodian and a [spreadsheet](#) completed by the Parish Council and emailed to the BHPN for record keeping. This will be anonymised appropriately.
- We ask that the Parish Council follows up surveys after 6 – 12 months to see if the client has taken any action, and whether they feel that they have saved money.



Booking a Camera

Camera Booking

Please let us know when you would like to borrow the camera. We recommend that you organise surveys before you take delivery of the camera in order to maximise its use. Initially we are limiting loans to two-week periods between October and March. If you have a lot of demand for this service we may be able to lend it to you for longer.

N.B. Camera will be available for collection from Daniel Lazar in Membury, and must be returned there after use

* denotes a required field

Name of Parish*:

Name of Operator*:

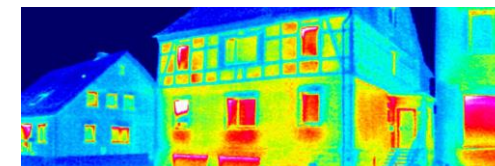
Email of Operator*:

Telephone no. of Operator*:

Start Date*:

Do you have experience using an infra-red camera?*

- My council is a paid-up member of the BHPN – please check with your clerk
- The camera is insured for all risks for the period when I have it
- I have undertaken training on the use of the camera and the interpretation of the results



Requesting a Survey

Survey Request Form

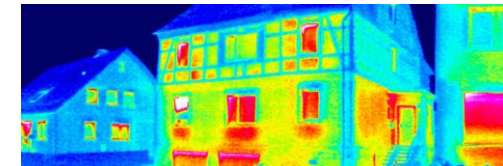
Your Parish Council is offering residents the opportunity to have a free thermal imaging survey of their house to help identify likely areas of heat loss. The photographs will be taken by a volunteer who has been trained in the use of the Infra-red camera but is not a qualified surveyor. The service will be offered on a first come first served basis and the Council does not guarantee that photographs can be taken in this winter season if demand exceeds our ability to provide this service.

Your Parish Council will not publish the images without my prior consent but they may be shared with the team running this project in order to improve the service offered to residents. If you would like to accept this offer please complete the details below.

* denotes a required field

Name*:	Address*:
Postcode*:	
Telephone number*:	
Email to receive images*:	
Name of Parish*:	
Type of house (detached/semi etc)*:	
Construction (roof/walls/windows)*:	
Listed (y/n)*:	
Heating type (oil/gas/electric etc)*:	

- I have asked my Parish Council to take infrared photographs of my house to help me understand where I might be losing heat understand they will send me images taken. I understand my Parish Council does not guarantee the accuracy of these photographs and recommends that they are not used to make decisions about how to insulate my house without additional professional advice.



**With thanks for funding from the Blackdown
Hills Area of Outstanding Natural Beauty**

**With thanks for inspiration and support to
Cllr Chris Lockyear at Sidmouth Town
Council**

