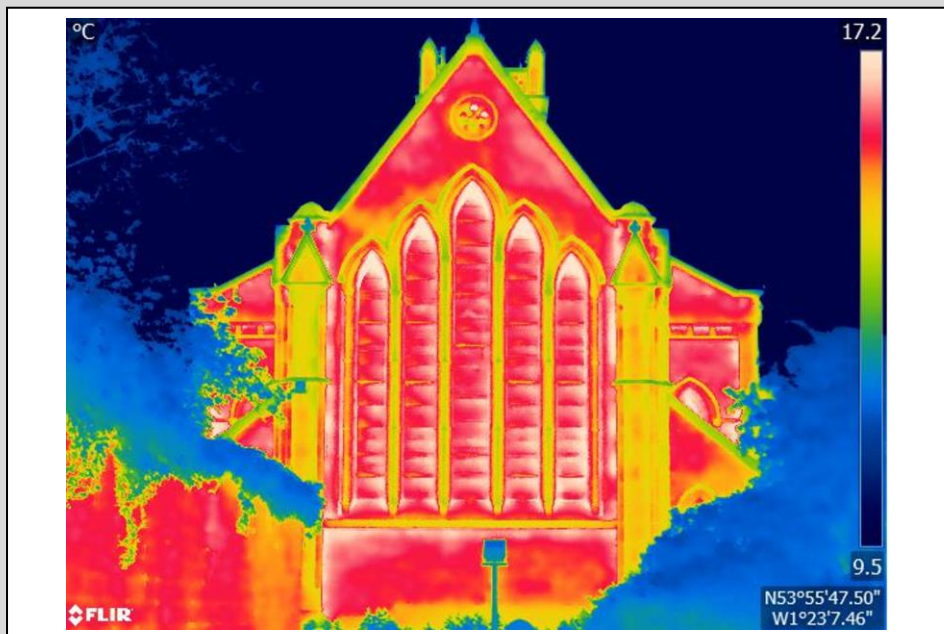


Case Study – Thermal Imaging

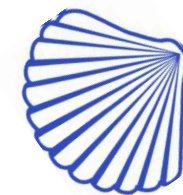


Conducting a thermal imaging survey of the Church and surrounding Church buildings, helps to understand the thermal properties of the building materials and identify the areas of greatest heat loss from each building. Once this is known, it is easier to highlight where improvements can be made so that less heat is lost from the buildings, and therefore less energy is needed to keep them warm.

As pictured above, the thermal imaging survey at the Church identified that the greatest areas of heat loss are the stained-glass windows, where the warmest surface temperatures were detected, indicated by the temperature scale. There is no insulating material on the Church walls. Therefore, heat is able to conduct through the wall to the external surface. The survey also detected some poor draught proofing at external doors.

St James

AT THE HEART OF THE COMMUNITY



Greening

the Heart of Wetherby

An invitation



Introducing our Feasibility Study

What will our Feasibility Study do?

The scope of the feasibility study is to look at the merits and possibilities of different forms of energy generation to replace existing systems in this conservation area, in order to move towards net zero-carbon emissions. It will also examine the interchange of zero-carbon energy between neighbouring properties.

The scope includes St James' Church and other buildings nearby.

The process includes:

- Establishing the base data on energy use with the resulting carbon emissions, and survey the buildings to work out their thermal efficiency.
- Looking at ways we may be able to minimise our energy use in the short, medium and long-term.
- Considering the potential for installing on-site renewable energy generation for heating and power and exporting between buildings.
- Looking at the costs/benefits of the various options and long-term financial viability and advising how these may be funded.

The Team



Left – Right Back
St James' Church
David York
Alan Grimes
Brendan Giblin
Robert Haskins

Left – Right Front
Environmental Strategies
Emma Wheeler-Osman
Helen Sprakes
Steve Anstice

8 September - a date for your Diary!

Climate change is a hot topic. It was discussed at the G7 Summit in Cornwall, in June. Then, in Glasgow on 11-13 November, 197 countries will come together at the UN Climate Change Conference (COP26) aiming to give this world a 'greener and more prosperous future'.

In this 'Climate Emergency' we are all part of the problem and therefore we are all part of the solution. The Church of England nationally is taking a lead. It has set a challenging target to reach net zero carbon emissions by 2030.

Here at St James' Church in Wetherby, we are doing our bit. We have secured some funding for a feasibility study, examining the options for the buildings in the heart of this town. Consultants, Environmental Strategies Ltd (ESL), are currently assisting us and are due to report back in the Autumn. Others in the town are initiating other actions and we would like to join that conversation.

An Invitation

We would like to invite you (subject to any remaining Covid-19 restrictions) to a Community Open Meeting at St James Church on Wednesday 8 September at our Church. This will start at 7pm with light refreshments followed by presentations at 7:30pm. Then the floor will be open for discussions, ending at around at 8:30pm.

Interested?

We would be really pleased to hear if you are interested in joining us on our journey towards net zero carbon emissions. You can register your 'Expression of Interest' by emailing info@esltd.co.uk to say '***I'm interested in a Green Wetherby***' with who you are and your contact details.

Hope to see you there!

The Reverend Canon Brendan Giblin