

Herschel Proposal

Comments by JIB

The transition to infrared heating can be cost-effective due to its lower running costs compared to traditional methods like gas.

Infrared heating is also 100% efficient, meaning no heat is lost to draughts, making them an eco-friendly and affordable choice for heating our Church.

There was a trial of innovative radiant heating and lightning chandeliers at St Matthew's Church Bristol, which I feel is of use as we consider this proposal for St Martin's.

The independent report found that the system performed well in terms of technical comfort levels and perceived comfort by the congregation within the exposed heating cone.

The Treasurer states that the costs of heating the Church can be as low as £10 per Sunday service, compared to use Gas boiler of say £100.

When assessing the payback period for the initial investment there are two key assumptions

- Of the total Gas consumption, how much relates to energy consumed when only parts of the Church require heating e.g. Tuesday House Groups.
- The reduction in energy costs by using electricity as opposed to Gas

For the attached paper the following assumptions have been made

- Of the total heating consumption 40% is attributable to part usage
- Switching to electricity will see a reduction of 90% of the annual costs.

Conclusion

For a modest investment of £3k, the Church will see a payback in direct financial costs over 4.7 years, given the assumptions above.

In addition it is a significant step towards NET ZERO, and will give membership exposure to radiant heating as we move forwards.

JIB Sept 2025.