

Heating Resilience Plan for

.....church (Date / /)

Introduction

A heating resilience plan answers two questions:

- In what way and by how much can we reduce the emissions of our church and church hall heating?
- What will we do if the heating fails?

Heating makes up the vast majority of a typical church's energy use and thus emissions. This plan assumes that the *Practical Pathway to Net Zero Carbon by 2030* is being followed and that significant remediable defects of the church building (and hall where there is one) have been or are being addressed.

Planning Steps

1. **Briefly describe the building:** age, usable floor area, other measurements especially height, composition (eg stone and rubble walls and suspended wooden floor), any significant causes of heat loss that are not remediable (eg heated air rises to the roof and leaks out).

2. **What is your church's carbon footprint:** Tons CO2 equivalent (in year.....)? *Go to eag.im to find yours via the link on the Net Zero Carbon page.*

3. **Describe the existing heating system** in detail (type(s) of fuel, make/model of boiler, heat emitters, when installed, last serviced, expected future lifespan.

4. **How effective** is/are your heating system(s) ?

5. **How many hours** per day / per week is the heating run each month/quarter?

6. **How much energy** (litres of oil, kilowatt hours of gas, kilowatt hours of electricity, other) has been used for heating in the last two years?

7. **Do you expect any significant change** in the number of hours you will be running the heating in the future?

8. **What would be your ideal route to Zero Carbon heating** (assuming zero or near zero carbon electricity is available on island from 2026 as per the Government's Climate Change Plan)? For example in a medium sized church used only a few times per week, the addition of infrared heaters might be suitable, or simple under pew electric heaters.

9. **What impediments are there** to your ideal route to Zero Carbon heating?

10. **If the heating system fails** tonight, what options are available to you, bearing in mind your answers to questions above?