The purpose of this is help you identify the type of low carbon heating systems that may be suitable for your church. Please note that this is a simplified processed and decisions will be different for every church.

**Heating replacement flow chart**

- **Does your existing heating system have an expected life of less than 2 years?**
  - Yes
    - Consider how you can use the existing system more efficiently such as smart control systems and zoned systems to avoid heating spaces unnecessarily. Consider installing low carbon heating to parts of the building and only using carbon emitting systems when necessary. (A Hybrid System)
    - Begin investigating which systems will be the most appropriate for your building and usage.
  - No

- **Do you have an electricity supply?**
  - Yes
    - Is it a 3 Phase Supply?
      - Yes
        - Do you use the majority of your space at a regular service?
          - Yes
            - Do you need to heat the building most days of the week?
              - Yes
                - Consider installing an Air or Ground Source Heat Pump.
              - No
                - Can you install solar panels / wind turbine and battery back up?
                  - Yes
                    - Consider Infrared Chandeliers, possibly supplemented by wall mounted infrared heaters depending on the layout of the building.
                  - No
                    - Consider installing a zoned system of infrared heating or pew heating with some form of smart control. If you have different sized rooms in your building consider which rooms to use.
                - No
                  - Can you install solar panels / wind turbine and battery back up to supplement your supply.
          - No
            - Consider installing pew heating to enough pews for the congregation. Or possibly heated pew cushions.
  - No

- **Can you install solar panels / wind turbine and battery back up?**
  - Yes
    - Consider installing pew heating to enough pews for the congregation. Or possibly heated pew cushions.
  - No
    - Limited options are available but your carbon output is probably very low anyway. You could consider heated pew cushions (charged off-site), a biomass or efficient LPG heating system.
      - These will require some electrical input but could be supplied from a small battery.

- **Do you use the majority of your space at a regular service?**
  - Yes
    - Do you need to heat the building most days of the week?
      - Yes
        - Consider installing pew heating to enough pews for the congregation. Or possibly heated pew cushions.
      - No
        - Consider installing infrared panels or modern storage heaters. A small number of infrared chandeliers may be possible.
  - No
    - Consider installing a zoned system of infrared heating or pew heating with some form of smart control. You may also want to consider an ASHP.