

Church Heating Options

Issues to consider

- Aim to heat the people rather than the building
- Assess the options for three timescales - the short term (0-2 years), medium term (2-5 years) and long term (5+years).
- Consider a combination of factors not just cost, include greenhouse gas emissions and ease of use/practicality.
- Ask how many hours per week is the building used for? and for how many people on each occasion?
- Can the item be put on a timer system (e.g. plug in clockwork) or programmed (automated digital) to only come on for the minimum amount of time to allow the building to be used appropriately?
- Are there any health and safety issues associated with using the option you have chosen e.g. trailing cables for plug-in heaters, would it be cost effective to employ an electrician (around £250 per day) to add sockets in the most appropriate places? i.e. instead of a new boiler.

Heating options

1. Oil boiler
2. Gas boiler
3. Electric plug in heaters a. fan b. radiator type
4. Infrared heating panels
5. Heated pads (these are units with heat pads in them that warm up and each person takes one to sit on, some come with a back as well as a seat cushion)
6. Blankets and fleece ponchos per person
7. Heat pump a. air source, b. ground source c. water source
8. Solar panels
9. Solar hot water
10. Other.....

Table to compare options

For each option you will need to calculate the following so that they can be fairly and accurately compared BEFORE making any choices.

Devise your own scoring system (4 options) to rate each option and compare it with the other options. It doesn't matter if you can't fill in all the columns, at the minimum you should have cost of item, cost of energy, an idea of GHG emissions (L/M/H) and positives and negatives (a range of opinions).

Option number	Cost of item (capital)	Energy cost to run per hour, (elec, gas, oil)	Maintenance costs (servicing, PAT testing)	Greenhouse gas emissions (CO2/methane/HFCs)	Ease of Use	Other costs (e.g. electricians day rate)	Positives e.g. can be shared with other churches	Negatives e.g. electric heaters need sockets in the correct places	Total
1									
2									
3									
etc.									

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