39. **Environmental sustainability** **checklist**

**Quinquennial Inspectors are asked to complete the following checklist to help guide PCCs on the Practical Path to Net Carbon Zero (PPNCZ), commenting appropriately on each item.**

The questions below are extracted from the full checklist prepared by The Church Buildings Council. The answers and guidance provided by the Quinquennial Inspector should enable a PCC to fill in the full checklist (see notes below) and assess which items are not appropriate/applicable and should be discounted, and which ones require further consideration and/or the commissioning of a feasibility assessment.

Indicating that further investigation/more detailed advice is required for a particular item does not bind the professional into providing that advice gratis, nor does it pre-judge the outcome of any further investigations or advice, nor whether Faculty Approval would be granted.

It is designed to cover all ages of church building which fall under Faculty Jurisdiction, and therefore not all questions will be relevant in every circumstance.

| Reference in PPNCZ | Building Element  Related Question | Inappropriate/  Not applicable | Further investigation / professional advice required | Comments  and/or  Reference to the relevant QI section |
| --- | --- | --- | --- | --- |
|  | **ROOFS** |  |  |  |
| A1 | Highlight particular areas where maintenance of the roof and gutters is required, to prevent damp entering the building and warm air escaping |  |  |  |
| B1 | Potential to insulate easy-to-access roof voids |  |  |  |
| C2 | Identify whether there is an open tower void with potential to insulate, or draught-proof the tower ceiling |  |  |  |
| C8 | Potential to install solar PV:  Comment on the condition of the roof, roof structure, and visibility |  |  |  |
| D1 | Potential to incorporate appropriate insulation on roofs that need recovering in the next 5-10 years |  |  |  |
|  | **WINDOWS and DOORS** |  |  |  |
| A2 | Identify any broken window panes and opening windows which do not shut tightly, where repairs are needed in order to reduce heat-loss |  |  |  |
| C1 | Identify windows where draught-proofing is an option |  |  |  |
| C3 | Identify suitable windows in well-used areas such offices, vestries and halls where double-glazing or secondary-glazing would be an option |  |  |  |
| A4 | Identify doors where draughts are problematic. Is there potential to draught-proof gaps or put up a door-curtain? |  |  |  |
| B2 | If A4 wouldn’t work, advise whether a glazed door within the porch, or even a draught-lobby might be feasible, subject to detailed design |  |  |  |
|  | **INTERNAL WALLS and FLOORS** |  |  |  |
| B3 | Potential to create one or more smaller (separately heatable) spaces for smaller events |  |  |  |
| C4 | Potential to insulate internal walls in well-used areas such as offices, vestries and halls |  |  |  |
| C5 | Potential to insulate under the wooden pew platforms with breathable materials |  |  |  |
| C6 | Potential to install ceilings with insulation over |  |  |  |
|  | **EXTERNAL WALLS** |  |  |  |
| D2 | Are there uninsulated cavity walls which could be insulated? |  |  |  |
| D3 | Is appropriate external insulation or render, suitable for the age and nature of the building an option? |  |  |  |

Key to prefixes (in first column above):

A – These are actions that nearly all churches can benefit from, even those primarily used only on a Sunday. They are relatively easy and are a good place for churches to start, when trying to move towards ‘net zero’.

B – These actions may cost more than the ones in Part A and some will require specialist advice and/or installers. They are often good next steps for churches ready to take the next step towards ‘net zero’.

C – These are bigger, more complex actions, which only churches with high energy use are likely to consider. They could reduce energy use significantly, but require substantial work (which itself has a carbon cost) and have a longer payback. They all require professional advice, including input from your DAC.

D – These are actions which a church might undertake at specific times (such as when reordering is happening) or in very specific circumstances. They nearly all require professional advice, including input from your DAC.

**NOTES TO PCCs**

* This checklist is adapted from the full version of [PPNCZ](https://www.churchofengland.org/resources/churchcare/net-zero-carbon-church/practical-path-net-zero-carbon-churches) as prepared by the Church Building Council to which the reference numbers above directly relate. PCCs should download the self-guided checklist and use the answers above to help them complete the questionnaire and assess their priorities.

The full version is available here: <https://www.churchofengland.org/resources/churchcare/net-zero-carbon-church/practical-path-net-zero-carbon-churches> go to ‘Download Self-Guided Checklist’

* PCCs should seek further advice from their Quinquennial Inspector in the first instance for items that have been highlighted as requiring further investigation/advice to discuss appropriate next steps and potential costs.
* Any actions which involve change to the building will require input from the DAC and appropriate Faculty Consent.
* Bespoke advice and guidance on Heating and Lighting Systems is available from the DAC’s specialist advisers. Please contact the DAC Secretary [Rupert.Allen@LeicesterCofE.org](mailto:Rupert.Allen@LeicesterCofE.org) in the first instance.