

FOR A GREENER CHURCH

A list of ECO items from the Threshold Project:

- 1) An `A` rated gas condensing/combi boiler with underfloor heating is to be installed. Gas condensing boilers are 90% efficient in delivering space heating and hot water.
- 2) The new building uses natural ventilation only, extracting only in the kitchen and toilet areas to meet the regulations. This in turn delivers lower energy consumption and less maintenance going forward.
- 3) LED lighting will be used with high efficiency ratings, reducing energy waste and the running cost by up to 70%.
- 4) New double glazed windows & doors including a replacement window in the west end gable will improve the thermal performance of the church by reducing heat loss through the brick wall in west end by 66%.
- 5) We are using robust hard-wearing materials to ensure the building is low maintenance and has a long life span ensuring good value. An example of this is the Steelplan kitchen using coloured metal units and stainless steel work tops with low level maintenance.
- 6) Energy efficient appliances are being used in the kitchen. The new ovens are `A` rated for energy efficiency, the new hobs are induction hobs which only generate heat during cooking thereby reducing residual heat and energy.
This allows us to reduce the levels of mechanical ventilation required.
- 7) A new water meter will be fitted allowing us to measure our use of water.
- 8) Bicycle racks are to be provided to encourage the use of peddle power.
- 9) £2,000 has been put aside for new planting in the Threshold Project.

ECO Items after the threshold is completed:

- 10) We will build a community garden for community use, recreation and a vegetable plot.
- 11) A Wildlife area will be designed and built with input from our children.
- 12) There will be a path to the Garden of Rest with planting and seating provided.
- 13) Water harvesting tubs will be fitted to collect rainwater for the garden and for our flower arrangements.
- 14) We will look at secondary glazing for existing windows (we will need a faculty for this)
- 15) The South West Porch could be replaced with a newly designed entrance, and all the existing external doors will have modern draught excluder's fitted.

FOR A GREENER CHURCH

ECO Items included within the Church:

- 1) We have been a Fairtrade Church since May 2006, we serve fairtrade coffee, tea and biscuits after services. We use re-cycled toilet/kitchen rolls and ECO friendly cleaning products in our toilet and kitchen.
- 2) We have a recycle bin in the vestry for recycling paper, card and glass.
- 3) Composting is undertaken by the gardeners and the flower arrangers.
- 4) Our Toilet is twinned with a latrine in the Pujehun District - Sierra Leone, by the McIntosh's, through the `Tearfund Charity` No. 1070684.
- 5) We have installed LED lighting throughout the church reducing our energy and electrical bills. There is a saving in maintenance for scaffolding and labour in changing light bulbs.
- 6) We have changed the shunt pump on the existing heating system for an interactive pump. It takes a reading of the temperature of water returning to the boilers. Increasing the flow to the boilers when more heat is required and decreasing the flow if the returning water is hot enough saving energy heating the boilers unnecessary.
- 7) We have two boilers working in tandem, when the temperature in the church is low both will step in, however if there is a rise in temperature one boiler will cut out and the second boiler will work on its own saving energy.
- 8) There are heating pipes in ducts under the floor in the Nave, these ducts have been cleaned out and the pipes painted with black heat reflecting paint increasing the distribution of heat more effectively.
- 9) As a charity VAT on our water, gas and electricity bills have been reduced to 5% VAT. Direct debit payments give us a saving of 6% on our bills.
- 10) The church uses the CAF Bank for ethical banking, CAF is a member of (FSCS) Financial Services Compensation Scheme and any profits are reinvested in the charity sector.
(CAF) Bank - Charitable Aid Foundation Bank.

DAVID SMITH (08/07/17)