

Zero Carbon Consultation

Making St Michaels and All Angels, Withington, Gloucestershire
the First Zero Carbon Church in the Country

Vision

- To be responsible in acting on the threat of catastrophic climate change and truly act as stewards of Gods creation
- To be a catalyst for others to follow by demonstrating the 'art of the possible'
- To be an exemplar to demonstrate on a national level the possibilities of integrating the sustainability agenda with historic buildings
- To ensure a sustainable form of energy generation for the future both in terms of environmental, economic and fuel security.

Headline Proposals

- Reduce energy demand (floodlight timing, switching off) – 13% elec saving
- Efficient use of energy (low energy internal lighting) – 24% elec saving
- Replacing old oil boiler for biomass
- Generation of remaining electrical demand from 100% solar PV



Heating by Biomass

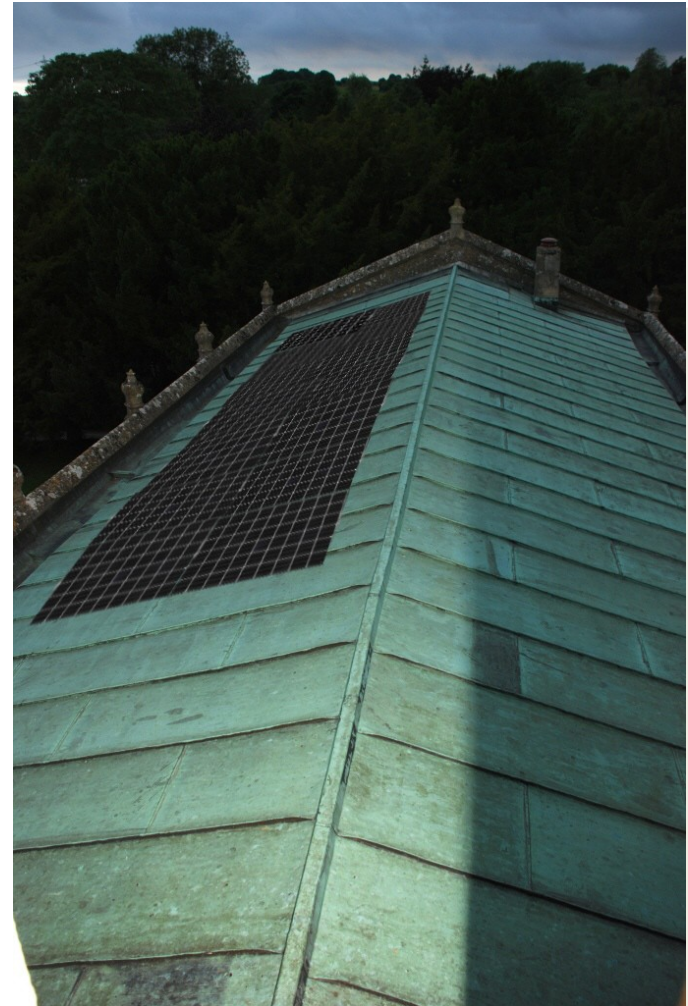


- The existing oil boiler is in need of replacement
- A biomass pellet boiler is proposed to replace the oil boiler
- The biomass pellets will be sourced locally from Gloucestershire Wood Project which are manufactured in South Wales and transported on back-loads (Current oil comes from Dubai/Iraq or at best Scotland!!)
- The pellets will be delivered and stored in bags and will be loaded by hand into a hopper next to the boiler approx. once a month.

Solar Photovoltaic Panels on the Roof



- To generate electricity needs panels are planned to be fixed to the roof
- The current roof and the panels are not visible from the ground
- Electrical equipment will be located next to the existing meters
- Surplus generation will be fed into the grid



How is this being Paid for?

What Permissions are being sought?

- The funding for these works is being sought through grant funding from a variety of sources. In addition we have secured a private donation towards these specific works. 50% of the required funds have been secured and applications have been made to secure the rest. These works WILL NOT be funded from the normal church finances.
- In order to be able to carry out the works have applied for permissions from:
 - Cotswold District Council
 - Planning permission – GRANTED
 - Building control - CONFIRMED
 - Dioceses of Gloucester – church ‘faculty’ – verbally confirmed

Discussion Points

- What can your church do? Can we move to a zero carbon benefice. Matt Fulford willing to advise other churches on what is possible
- The greater the support we can demonstrate the more likely we are to gain all the funding required – we would welcome letters of support from other churches, groups or individuals
- Part of the project is to promote, if you would like us to speak at events, conferences or write for publications please let us know – (we have already got a speaking slot at EcoBuild – a major sustainable building conference at Earls Court, London in March, have been featured in both local papers and the Church Times.)