Calculating Energy Footprints

The **Energy Footprint Tool (EFT)** can now be used by churches in our Diocese.

By using the EFT, each church will be able to:

- measure their energy use and work out the carbon emissions that this represents
- use this figure as a baseline against which energy savings can be measured in the future
- plan the most appropriate actions to reduce their carbon footprint
- save money through energy efficiency

Data entered as part of the parish returns on the Diocesan Portal will be forwarded for inclusion in the national results.

Every church can make improvements to their energy efficiency, beginning with simple steps that can be taken now, and planning ahead. This helpful document is essential reading: https://www.churchofengland.org/sites/default/files/2020-04/the-practical-path-to-net-zero-carbon-for-churches-FINAL-April-2020.pdf

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360-degree carbon

- The new **360-degree carbon** footprint calculator developed by Climate Stewards is a collaborative web-based tool which enables churches to measure their total carbon footprint from different activities – energy, travel, food, waste, water and other expenditure.
- It is a great next step for keen churches who have completed the Energy Footprint Tool (above) and want to go further. **360°carbon | Climate Stewards**
- See the recording of the webinar on the 360 degrees tool from the Eco church conference at https://www.stalbans.anglican.org/faith/eco-church/

360-degree carbon counts towards the Eco Church awards

360°carbon

Climate Stewards

ECO CHURCH
AN A ROCHA UK PROJECT

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Help and Guidance from The Church of England Environment Team

New Guidance now available on the Church of England website:

- Heating – contributes 80% of church energy use and carbon footprint. **New series** of guidance notes including decarbonisation and the future of heat, options appraisal and case studies
- Renewable energy – solar, biomass, heat pumps and how best to prepare a bid so that it will pass through the faculty system
- Electric vehicles and charging points for Churches, church schools and clergy housing

St Michael & All Angels, Withington
Britain's first Net-Zero Church

Webinars

Net Zero Carbon webinars – new series announced for autumn including fundraising for environmental projects
Recordings of previous topics available on the Church of England website

A practical path to net zero carbon
A checklist for your church

Welcome to the Net Zero Checklist.

The Church of England's General Synod has recognised the climate emergency and called on all parts of the Church to become net zero carbon by 2030.

This commitment requires us all to take action to reduce our carbon footprint. This will involve making material changes to our buildings and adopting new behaviours that both reduce our energy use and switch usage to renewable sources.

This checklist is a tool for reviewing the carbon emissions of your church building(s) and identifying actions that can be taken to help your church reduce its energy use and associated carbon emissions. It is intended to be used alongside the Church of England 'Net Zero Churches' guide which provides additional advice and information to help you in this journey.

The actions recommended have been developed based on the findings of a national church energy audit programme and with input from of a range of professionals in the field. Depending on the size and complexity of your church, you may also wish to commission a specialist energy audit. Contact your Diocesan Environment Officer to find out more.

To use this checklist tool, complete the tick boxes in each section, before identifying which actions you will take as a church. The tool can be printed off or completed by clicking and typing into the pdf form.

We suggest you review progress towards implementing these actions at a PCC meeting.

If you require any support, please contact your Diocesan Environment Officer.

Please note: Many of the actions suggested in this checklist require a faculty. Please seek advice from your DAC before taking action, especially if the church interior is of historic, architectural or artistic interest; stabilising the environment for these interiors is important to minimise cycles of treatment, with their inherent carbon cost.

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Energy

Case studies

Church of England website:
https://www.churchofengland.org/more/policy-and-thinking/our-views/environment-and-climate-change/towards-net-zero-carbon-case
Diocesan website:
Recordings of webinars on energy topics from the Eco church online conference hosted by our Diocese last October:
Eco Church - Diocese of St Albans (anglican.org)

Data loggers and thermal imaging camera trial
Winter 2021

the BIG church switch

Energy audits

2021 applications open now:
Parish buying are offering a discounted rate of £245 + VAT to 100 churches

Parish Buying now has ***three*** Green energy baskets:

Electricity from renewable sources, provided by Total (current offer);

Electricity from renewable sources provided by a non-fossil fuel company;

Green gas (biomethane)

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Working together to Net Zero

Eco church clusters

Eco church is an ecumenical scheme, ideal as a focus for groups of churches within a local place, for example St Albans, Leighton Buzzard

St Luke's, St Albans (Bronze)

St Paul's, St Albans (Bronze)

Christ Church, Ware (Silver)

Mentor scheme: Award-holding Eco churches acting as mentors to new churches or those with particular needs

St Julian's, St Albans

St Stephen's, St Albans

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