

With the Church in Wales having declared a Climate Emergency and committed to working to become carbon net-zero by 2030 this will require quite a bit of thought and work on the ground in every church. We are looking to start this in Dyffryn Clwyd however what we can do is limited by not knowing

A) What is going to be included in the measure

B) How this will be measured.

Before we can decrease our carbon foot-print we need to measure where we are now and set targets for year on year improvements.

I know this is being developed but is there a time-frame for when this will become operational.

We have just over 8 years to do this and the church is not famous for its ability to change quickly!

Measurement of carbon footprint

What is going to be included in the measure?

Inscope activities:

Having consulted widely on the boundary of the Net Zero Carbon Church in Wales' project, it was presented to the Governing Body earlier this month that the following Diocesan-level areas and activities will be included in our carbon footprint:

The Bishop's House,

The Cathedral and other ancillary buildings,

Churches and church halls,

The Diocesan Office,

Glebe land,

Parsonages, and

Staff, clerics and volunteers' church-related travel.

How will this be collected?

The Energy Footprint Tool:

In early 2022, the Representative Body expects to launch the Energy Footprint Tool.

The online tool, targeted initially at churches, will enable the calculation of your church's carbon footprint based on your church's energy use. After the input of energy data, the Energy Footprint Tool will calculate the carbon footprint of your church building(s) automatically and the results presented instantly as an easy-to-interpret visual.

Each church will be asked to provide information about your energy use (the heating and lighting of your church and church buildings) obtained from your energy bills for 2021. The 12-month period will enable your church's annual carbon footprint to be calculated. It will also form the baseline for you to compare year-on-year progress towards net zero carbon as each year, churches will be requested to submit their latest annual energy use.

Information will also be collected about average attendance at services, meetings and other activities as well as an estimation of the average length of time (in hours) a person typically stays in the building to attend each of the events.

With the additional building-usage data, the Energy Footprint Tool will be able to generate a more detailed analysis of your church's carbon footprint based on how efficiently you use your energy, referred to as your carbon intensity.

In future years, the Energy Footprint Tool will be expanded to include other church areas and activities, such as parsonages and offices.

In the meantime, the Representative Body will apply official, estimated values to calculate a broad Church in Wales' carbon footprint, while encouraging individual churches to engage with an online carbon calculator, such as 360° carbon which Eco Church recommends [The Collaborative Carbon Calculator for Churches, Charities and Small Businesses • 360°carbon.org \(360carbon.org\)](https://360carbon.org).

Additional carbon tools:

The Representative Body is also working to provide two additional online tools that will enable churches to compare carbon emissions from physical, face-to-face with remote, online meetings and church service-generated emissions.