

The Climate Change Glossary

An A-Z of the words and abbreviations you need to know - as we work together to care for God's creation



The Church of England's ambitious Net Zero Carbon by 2030 campaign aims to equip, resource and support all parts of the Church to reduce carbon emissions from the energy used in its buildings, schools and through work-related transport by 2030.

Climate change hits hardest on the poorest countries and poorest people of the world. Meanwhile, the widespread destruction of the natural world is a crisis for creation.

Responding to the climate crisis is an essential part of our responsibility to safeguard God's creation and achieve a just world.

This is a glossary of the common terms and phrases associated with the Church of England's Environment Programme, climate change, climate science and our net zero carbon work across the country.



What is net zero carbon?

The term net zero carbon means no longer adding to the total amount of greenhouse gases in the atmosphere.

2. A more potent greenhouse gas - methane – comes from emissions from livestock, mostly beef and dairy cattle.

4. For the Church of England to reach net zero carbon by 2030, we will need to work together to cut emissions from our churches, cathedrals, schools, clergy housing, Theological Education Institutions and office buildings across the country.

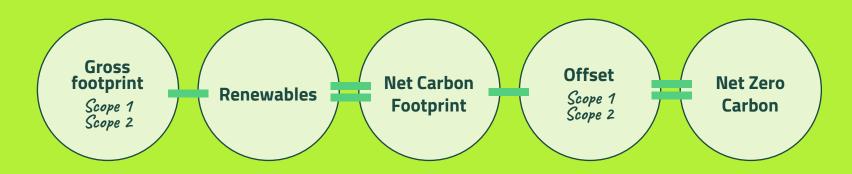
1. Greenhouse gases include carbon dioxide (CO_2) and methane. Carbon is released into the atmosphere through oil, gas and coal burned in our homes, places of worship and the buildings we work in. It is also released when we power transport.

3. These gases increase global temperatures by trapping the sun's energy and are responsible for causing climate change.

5. We will be able to do this by using more eco-friendly heating systems such as heat pumps; switching to more energy efficient lighting; installing insulation and turning down thermostats by one degree.

How will we achieve net zero carbon?

The Church of England defines Net Zero Carbon as the reduction as far as possible of **all in-scope carbon emissions** (from the oil, gas and electricity we use in our buildings and petrol and diesel transport) and the **removal of an equivalent amount of carbon** from the atmosphere for the remaining in-scope emissions by use of accredited offsetting schemes.



For the 2030 target, the gross carbon footprint of the Church is from the in-scope emissions, defined in the **'Routemap to Net Zero Carbon'**. From this, electricity from **renewable sources** and **100% 'green' biogas** can be removed, to leave the net carbon footprint. To achieve net zero carbon, an amount equivalent to these remaining emissions – the 'net carbon footprint' - will need to be removed from the atmosphere by valid offsetting schemes and / or by exporting 'spare' electricity to the grid from solar PV panels on our buildings.



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Mathematical set of the second seco	ASHP	· ·	-
and de scales agen de de scales de scale		Articles of Inquiry	
AntensionAntensionAntensionAntensionGeneCarteria and antension space antension and antensionGeneCarteria antensionGene		Biodiversity	essential for ecosystems to survive. Our churchyards are a haven for wildlife and plant life. We estimate that 10,000 of our 16,000 churches have churchyards. It's a precious resource which can make a huge
6000 Construction of the c		Biomass boilers	Work in a similar way to a standard gas boiler to heat your home and hot water using a renewable energy source such as wood pellets as fuel ¹ .
NumbNumberRestore of the specific sector of the		Carbon footprint	A measure of the total amount of greenhouse gas generated by our actions.
AndAntical data of a set of a se	CEAN		
GP Infer the second secon		Climate justice	
NInteraction of the second process of the	C0 ₂	Carbon Dioxide	The most common greenhouse gas
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HSC Index B sequences for number Index A sequences for number of the sequences of the			A statutory body which is responsible for Church of England schools and academy trusts in each Diocese.
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integrated with the second s	DEO		
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Magnetic bornMagnetic bornIF Composition of the second analysis of the	FLMS		calculate their carbon footprint.
InterfaceDefate seasably 0.0IPCConstructionI	ELINIS	Management Scheme	
ContractContract with the Control of the		Embodied carbon	The CO ² e associated with the manufacture, installation, use, maintenance and disposal of a product or building, assessed by LCA.
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99 Justice dual instance Intervention Intervention Intervention Fail Fig. Fig. Comparing a part of the compare of a part of the media part of the compare of a part of the compare of the compar	EV	Electric Vehicle	
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approximation approximation and the cancer of the the physican standing and the standing stress	н	Hydrogen	from splitting the hydrogen and carbon dioxide from fossil fuel natural gas, with the CO ₂ captured and stored. Green - uses renewable energy to drive electrolysis to split hydrogen and oxygen from water.
Sustainable could not find Staff Links, but there are concerns suggesting versions south model prefix down. IVI Internal Weil insulation Internal Weil insulation JECS Control Englishment and Common Services Board Has accountability for NCI policias, budges, finance and high-level decisions on general scall matters. LED Fight entrinsing (findle A leaver energy fighting spation than includes has chemed by Link parked has a strendby Link parked has a strendby Link parked has a version of the environment ty sussain. Level the environment has a construction of the environment ty sussain of the environment ty sussain the environment ty sussain the environment in the environment ty sussain the environment in the environment ty sussain the environment in sussain the environment ty sussain the environment in the environment in sussain the environment in the environment in sussain the environment in su		Hydrogen boilers	gas rather than natural gas as fuel. This technology is not commercially available in the UK and is
JECS Joint Employment and Common Services Board Has accountability for NCI policies, hanges, insure and high level decisions on general staff matters. LBD Light emitting loade A lower energy lighting option from incondexent hults. LET LET standard Tragets on administry bars of one (100) loads incomment by seasong the carbon textelements in interpret a solution y where one (100) loads incomment by seasong the carbon textelements in interpret a bandling scanning action that where the carbon human of the carbon human of the carbon textelement in logical of a bandling interpret and the second in a bandling comment by seasong the carbon textelement in logical of a bandling interpret and the second in a bandling interpret and the carbon human of the seasons in the second in a bandling comment by seasons of the carbon textelement in logical of a bandling interpret and the second in a bandling interpret and the seasons in the second in a bandling comment by seasons of the carbon designed Plenakes bandling and the second in the second interpret and the carbon human interpret and thuman interese and human interpret and the carbon human interpret a			sustainable solution to fossil fuels, but there are concerns suggesting serious issues that need to be addressed before committing to <u>HVO</u> , particularly its full traceability and carbon footprint claims.
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other aspects of the dwelling's performance are properly considered to ensure that they do not result in an		Whole House retrofit	

Wider terms used in The Church of England: <u>Glossary | The Church of England</u>

1 Definitions from Annex 1 of HM Government – <u>Heat and Buildings Strategy</u> 2 Definitions adapted from p26 of <u>British Energy Security Strategy</u>



This document has been prepared by the Church of England Net Zero Programme team. If you have any questions, please email **nzcprogramme@churchofengland.org**



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