

# Green Journey

## Fact Finder Webinar

[www.leeds.anglican.org/our-faith/environment/resources-for-my-church/green-journey-church-energy-bills/](http://www.leeds.anglican.org/our-faith/environment/resources-for-my-church/green-journey-church-energy-bills/)



# Webinar Housekeeping

- To avoid interruptions please mute your microphone
- To preserve bandwidth, please keep your camera off
- We will be recording the talk, but not the question time
- We will send you the slides



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# Green Journey - Fact Finder

1. Welcome and introductions to the speakers  
Janet Edmund, Senior Stewardship Officer, Diocese of Leeds
2. Our net zero carbon journey  
Jemima Parker, Diocesan Environment Officer
3. Finances and energy tariffs  
Ian Fletcher, Chair, Diocese of Leeds Green Journey Scrutiny Group
4. An Introduction to the Green Journey  
Kevin Lumley, Managing Director, Green Journey  
Craig Hogg, Ecclesiastical Account Manager, Green Journey
5. Q and A



# Energy Bills and Our Journey to Net Zero Carbon

Jemima Parker  
Environment Officer for the Diocese of Leeds



# Net Zero Carbon Church



- General Synod's call to be a net zero carbon church by 2030
- An ambitious challenge to step up to care for God's creation and our local and global neighbours
- Commitment of investment of 190m to support the transition to make our churches fit for the future

[www.churchofengland.org/news-and-media/news-and-statements/general-synod-sets-2030-net-zero-carbon-target](http://www.churchofengland.org/news-and-media/news-and-statements/general-synod-sets-2030-net-zero-carbon-target)



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# Six Steps to Carbon Net Zero – Church Toolkit

## Saving Creation: Strategic action to combat climate

A toolkit to help churches achieve carbon net zero by 2030



 THE CHURCH OF ENGLAND  
Diocese of Leeds **Loving. Living. Learning.**



- A pathway for churches to follow
- Quick wins and harder steps that need more long term planning and investment to make our churches fit for the future

[www.leeds.anglican.org/environment/saving-creation](http://www.leeds.anglican.org/environment/saving-creation)



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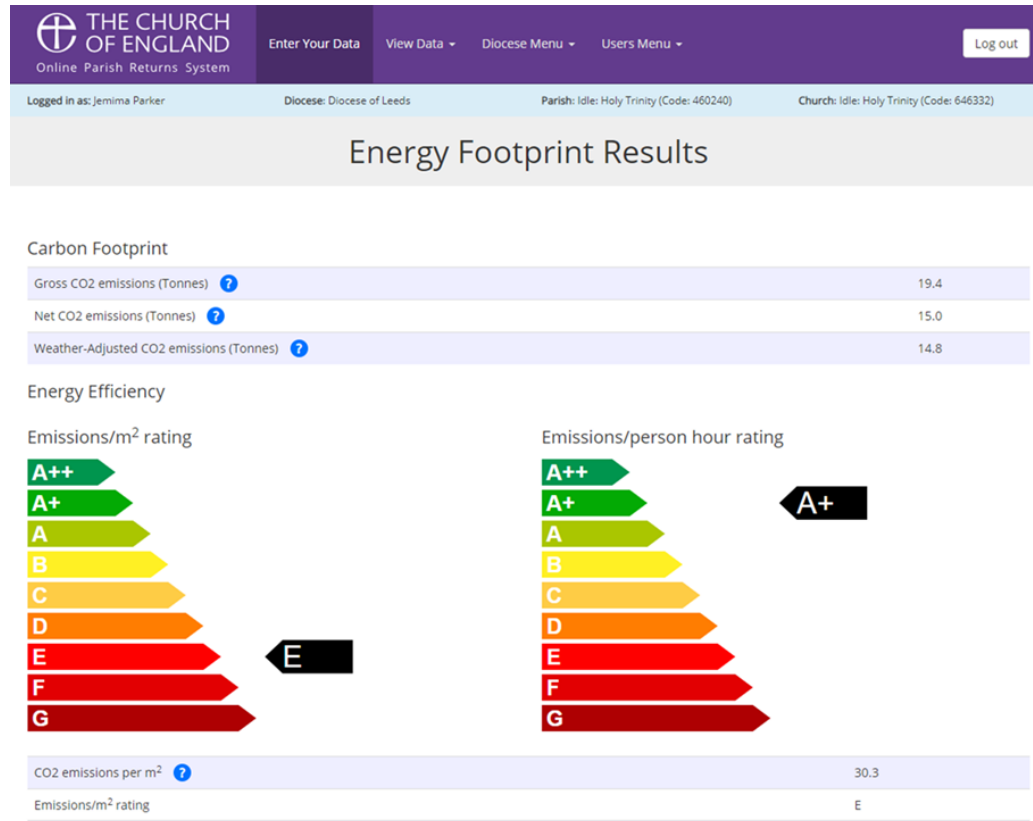
# Key Actions



- Understand your energy use
- Reduce your energy use
- Switch to a renewable energy source
- Stop using fossil fuels
- Carbon offset until you can stop using fossil fuels



# Measure and Monitor – the EFT



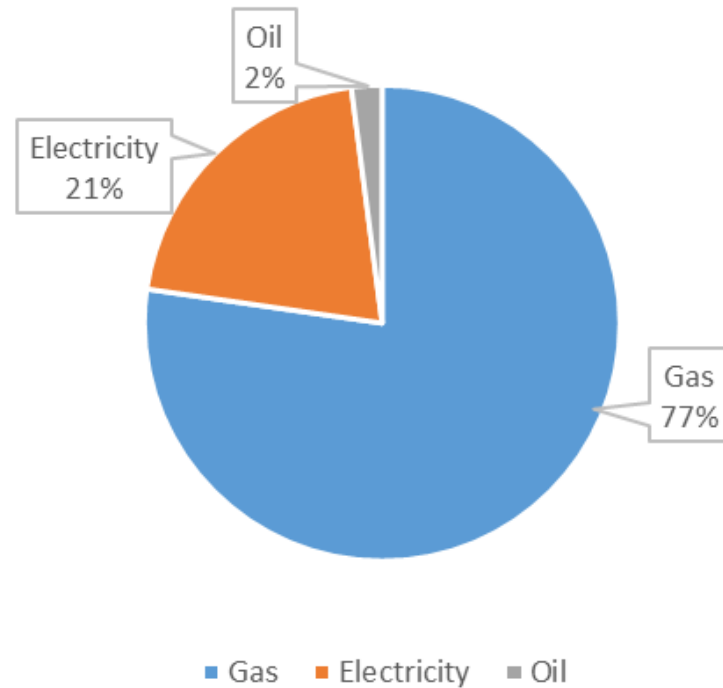
- Online Parish Return-Energy Footprinting Tool
- Complete to understand:
  - Your church energy use
  - Carbon footprint,
  - Create an annual carbon report for the PCC
  - Qualify for funding





# Switch to Renewable Energy Source

Carbon Emissions (tCO<sub>2</sub>e) by Fuel Type



Diocese of Leeds 2019

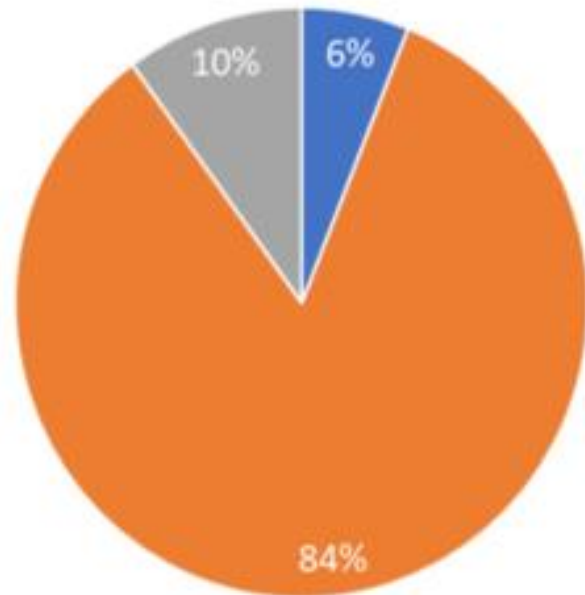
- Electricity use contributes about 20% of most churches' carbon footprint
- Switching gives an immediate cut in your church carbon emissions
- Ensures your energy bills are paying for renewable energy generation
- Renewable energy sourced from wind, hydro, and combined heat and power (CHP)



# Gas and oil heating

Percentage of total church energy use  
(sample = 126 churches and halls)

■ Lighting ■ Heating ■ Other



CofE Heating Guidance

[www.churchofengland.org/resources/churchcare/advice-and-guidance-church-buildings/heating#na](http://www.churchofengland.org/resources/churchcare/advice-and-guidance-church-buildings/heating#na)

- Heating is the main energy cost and source of carbon emissions for most churches
- Long term planning may be needed to move to an electric heating system
- There are a wide range of eclectic heating systems available
- Choose the right heating system for your church building and how you use it.



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# What is carbon offsetting?



- We can be stuck with some fossil fuel use in the short or medium term
- Carbon offsetting pays for activities that take capture and store carbon
- There are many organisations who provide accredited carbon offsetting services
- Green Journey offer an accredited carbon offset gas tariff



# What is green gas?



- Also known as bio-methane
- Produced through the process of anaerobic digestion (break down of own organic matter to produce gas)
- Fed into the national grid
- Non fossil fuel gas
- Variety of biogas tariffs available

