



IoW Churches NZ Conference:

The Journey to Net Zero

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Isle of
Wight

Why should we set out on the journey?

We can't stay where we are!

- Human reasons
- Divine reasons



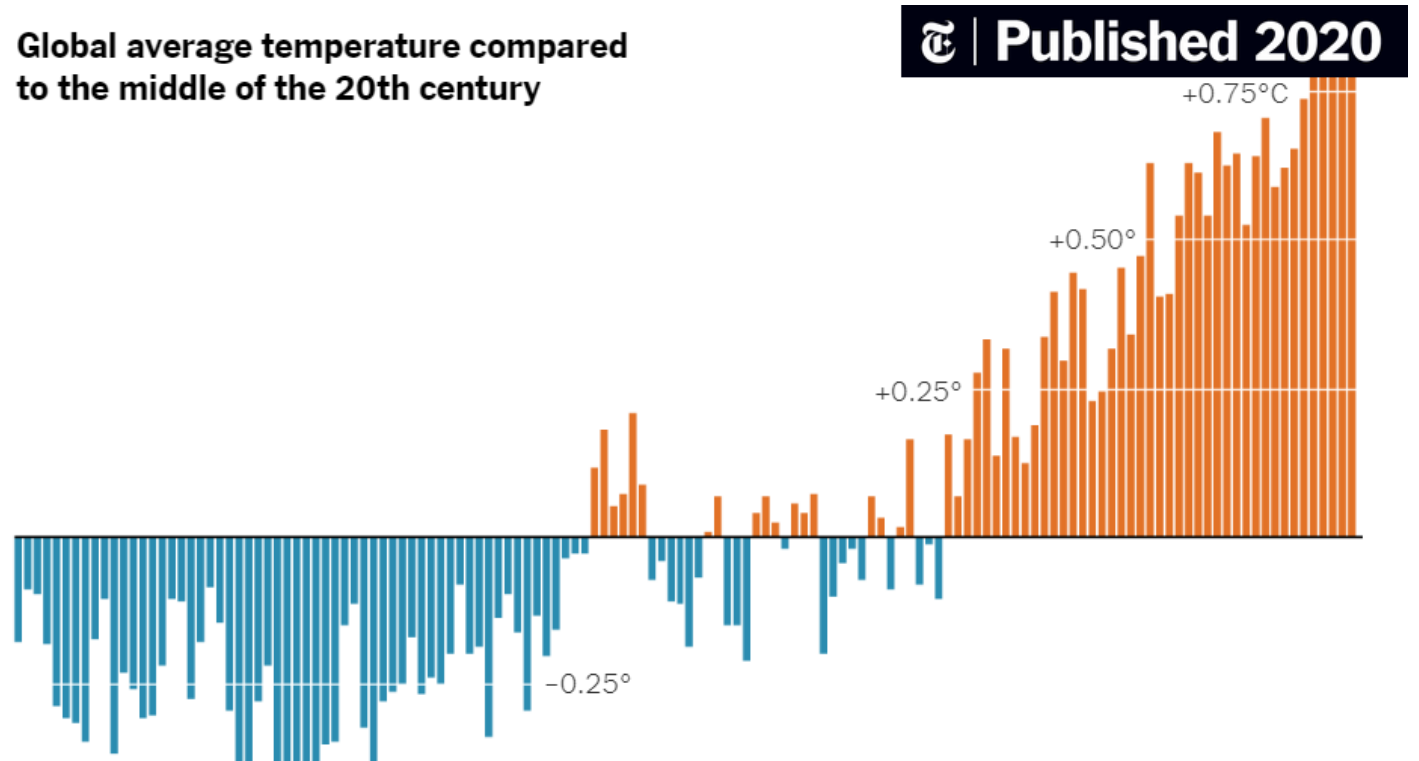
**OUR JOURNEY
TO NET ZERO**

LET'S TAKE CARE OF OUR ENVIRONMENT

The Climate Crisis

- CO₂ in the atmosphere has doubled since the beginning of the industrial era
- Average global temperatures are close to 1.5C above pre-industrial levels
- CO₂ emissions globally are still rising
- Risk of tipping points
- The poorest suffer most

Global average temperature compared to the middle of the 20th century





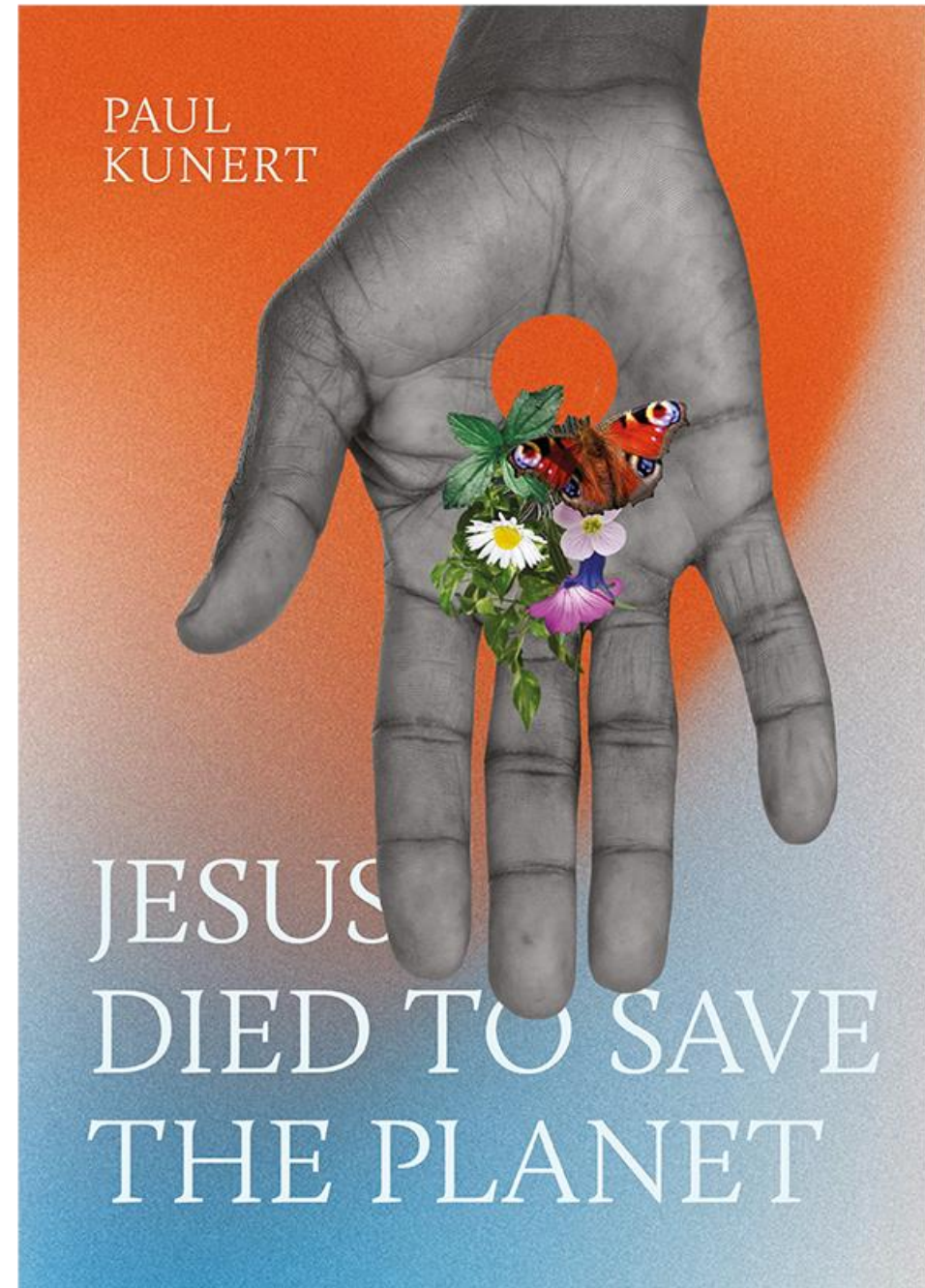
God calls us to care for creation

- And behold it was very good (Genesis 1.31)
- The Lord God took the man and put him in the Garden of Eden to work it and take care of it. (Genesis 2.15)
- Your sacred cities have become a wasteland; even Zion is a wasteland, Jerusalem a desolation. (Isaiah 64.10)
- We know that the whole creation has been groaning as in the pains of childbirth right up to the present time. (Romans 8.22)
- The kingdom of the world has become the Kingdom of our Lord, and of his Christ. (Revelation 11.15)



Jesus died to Save the Planet

- Creation matters
- Salvation is within creation, not outside it
- The death and resurrection of Jesus is bigger than the human species
- [Jesus Died to Save the Planet](#)
[| LICC](#)



Preparing for the Journey

- Join Eco Church and work towards your next award
- Submit your energy data on the Energy Footprint Tool (EFT)
- Get an energy audit or follow the [Practical Guide to Net Zero](#)



Planning for the Journey



Energy and decarbonisation actions	Estimated Annual Energy Saving (kWh)	Estimated Annual Cost Saving (£)	Estimated capital cost (£)	Payback (years)	Permission needed	CO2 saving (tonnes of CO2e/yr)
Contact suppliers to arrange for the meters to be changed to smart meters	Helps monitor use and savings	None	Nil	N/A	None	N/A
Switch electricity suppliers to ones which provide 100% renewable supplies	None	None	Nil	N/A	None	-
Consider installing Electric Vehicle charging points	0	N/A	£2,750	0.00	List B	-
Install PIR motion sensors on selected lighting circuits	79	£19	£78	4.00	List B	0.02
Change existing lighting for LED fittings	1,391	£341	£3,718	10.91	Consult DAC	0.31
Install a Solar PV array to roof of building	5,700	£1,397	£16,500	11.82	Faculty	1.28
Replace windows	2,141	£134	£3,740	28.00	Faculty	0.39
Install Battery Storage to PV system	1,900	£466	£22,000	47.26	Faculty	0.43
Inject cavity wall insulation into walls	1,142	£71	£5,280	74.11	Consult DAC	0.21
Add Elec Point of Use Hot water heaters	2,141	£134	£4,400	32.94	Consult DAC	0.39
Install an Air-to-Air Heat Pump to replace the existing heating system served from the Upstairs	2,235	£23	£25,080	N/A	Faculty	0.44
Install an Air-to-Air Heat Pump to replace existing heating system served from the Church and Entrance	2,395	£24	£26,950	N/A	Faculty	0.47
Install an Air-to-Air Heat Pump to replace existing heating system served from the in Kitchen Boiler	2,635	£27	£28,655	N/A	Faculty	0.52
Savings from gas standing charges once church achieves Net Zero and removes gas meter	N/A	Unknown	Potential £400 charge for meter removal	N/A	None	Part of above
Consider registering for Eco Church	The Eco Church programme, which is recommended by the Church of England, helps congregations care for the environment in all aspects of church life. The programme is free; you can, however, donate to A Rocha UK towards its costs.					
Create a procurement policy for appliances (and other goods)	Commit to buying only appliances with the new energy efficiency ratings of A, B or C at the lowest when those you currently have reach the end of their useful life. (NB ovens, air conditioners and space or water heaters are still on the older rating scale, so for these, try for A+++.)					

Plotting your Route: Making a NZC Plan

Turn the actions into an action plan:

- **What will take priority?**
- **What permissions will be needed?**
- **Who will be responsible?**
- **When will it happen?**



St Victoria's Church Net Zero Plan

Action	Cost	Saving per Year	Permissions	Responsibility	Priority	Timescale (plan, funds, works)
Insulate roof space	£3k	£200	List A	Wardens	1	Summer 2025
Exclude draughts	£1k	£100	List A	Operations Manager	2	Summer 2025
Change lights to LED	£10k	£400	List B / faculty	Wardens and Treasurer	3	Plan and fund 2025 Works 2026
Install solar panels	£20k	£2.5k	Faculty / planning permission	Wardens and Vicar	4	Plan/fund '25 Work 2026/7
Replace gas boiler with heat pumps	£40k	n/a	Faculty	Wardens and Fabric Committee	5	Plan by 2027 Fundraise 2028 Works 2029/30

Some Considerations

- Being on a genuinely green/renewable tariff for your utilities should be a key part of your plan – [The Great Switch for Creation | The Church of England](#);
- The plan should have Church Council approval;
- If you have a plan, please share it with us;
- Don't at this stage worry about funding;
- If we are aiming for 2030 we should start now and depending on urgency. Put dates against the items so you know when you expect to tick them off. Larger items will take time to plan, seek permissions, fundraise and do the work. And be aware of which items will be best in reducing your emissions; heating is usually responsible for the largest share.

Permissions



[Faculty Jurisdiction Rules 2015
amended up to 2024](#)



Consult DAC Secretary or equivalent



Historic England offer guidance:
[Helping Your Organisation Towards
Net Zero | Historic England](#)



For external works you will need
planning permission from your local
authority

Support on your Journey

Please get in touch:

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Matt Lockwood

NZ and Comms Officer

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We can:

- Speak at a service
- Talk to your PCC or Eco Group
- Help you develop your plan
- Advise on fundraising
- More ...



Support Locally on IoW

- Creation Matters!
- IoW Community Energy
- St Helen's Church
- Our partners – HIWWT and others

Journey's End: Your Destination

- Elimination of fossil fuel use in your buildings
- Exclusively renewable energy used
- Going the extra mile? beyond Net Zero (energy efficiency and generation)



Are we nearly there yet?

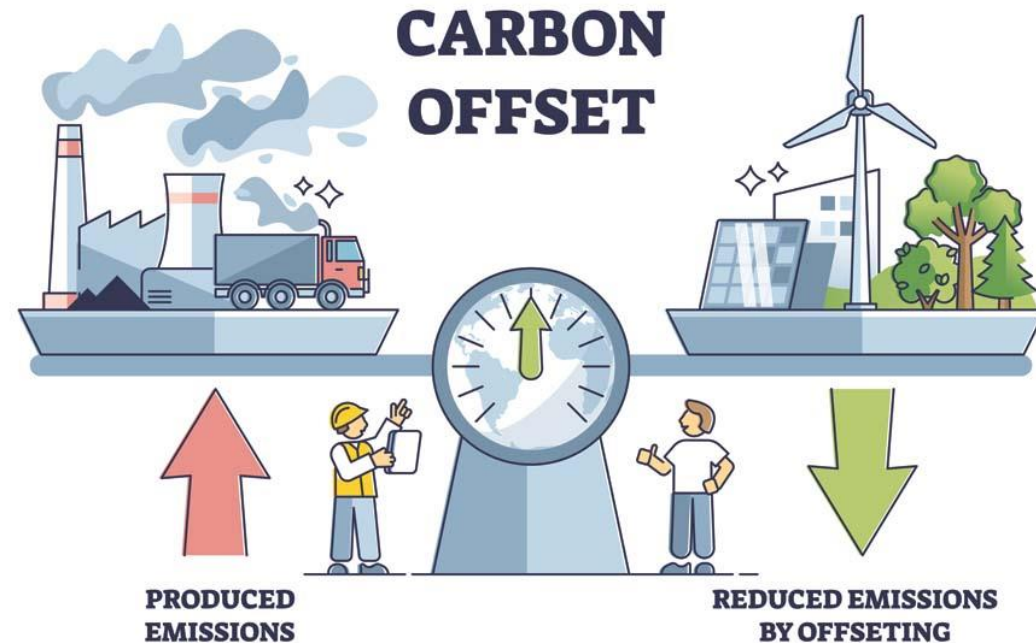
- Monitor your energy use by continued use of the EFT or similar
- Calculate your church's carbon footprint: [The Collaborative Carbon Calculator for Churches, Synagogues, Charities and Small Businesses](#) • [360°carbon.org](#)



Can we take a shortcut?

- Green Gas (Corona)
- Hydrogen
- Offsetting (Climate Stewards)

Ultimately we should avoid shortcuts, but pragmatically they can help us in the short-term



You have reached your destination

- Celebrate the journey
- Share learning with others
- Plan your next trip



What can we achieve together?

- More Eco Churches (only a third at present)
- Net Zero by 2030 – saving the planet and our finances
- An Eco Island can tackle the twin crises of climate change and biodiversity loss – let's not delay!



Questions and Discussion

