PARISH OF ST MATTHEW & ST OSWALD RUGBY

THE CHURCH OF ENGLAND

BL1 Project Carbon Zero

General Synod has set a target for the Church of England to reach Carbon Zero by 2030. This is our roadmap to achieve that. It will be reviewed periodically by the PCC.

St Oswald's

No.	Item	Effect	Target Date
1	Replace gas heating with air-air heat exchange system	• Approx 4:1 heat in / heat out amplification • Enables 100% renewable electricity use	Q3 2024
2	When utility contract is renewed, go for 100% green electricity options.	• Carbon neutral heating & lighting	Feb 2024
3	Install Solar panels on South roof	• 18,000 kWhr generation p.a. should make us a net generator	Q3 2025
4	Fully insulate Nave roof when solar panels are fixed and roof is re-slated. Top up insulation on Foyer roof when re-felted.	• Reduced need for heat. For the small number of hours that the building is warm, the payback time is likely to be long.	Q3 2025
5	Double glazing of nave & chancel windows	• Some heat saving (small) but adds controllable ventilation	Q2 2025
6	When the church lounge roof is replaced, investigate possible insulation systems.	• Reduced need for heat, but hard to achieve with current roof construction.	None
7	Double glazing of East window	• Saving is minor (approx. 0.5 kWhr) for £13K cost.	None
8	Battery storage	• As technology matures, check cost effectiveness of battery storage from solar energy	None

Church Centre & Dixon Hall

The mid-term plan is to sell both buildings (we have accepted an offer on Dixon Hall), so operating as efficiently as possible and switching to renewable utility contracts is the plan for now.

Created / Amended / Reviewed	Approved by PCC	Review Date
AJH Nov 2022	21/11/2022	Nov 23
PCC Review 21 Nov 2023	Nov 23	Nov 24
Target dates updated 23 Dec 2023		
Progress updates 12 Feb 2024		
Progress updates & dates amended	18/11/2024	Nov 25