

Net Zero Carbon Update

Diocesan Synod, 14 October 2023



Content

- Summary of progress
- EFT Initial Analysis
- Heating Costs
- Round table discussions



Summary of Progress

- Understanding our starting point
 - Focus on Churches
 - Discovering what we know
 - Identifying what we don't know

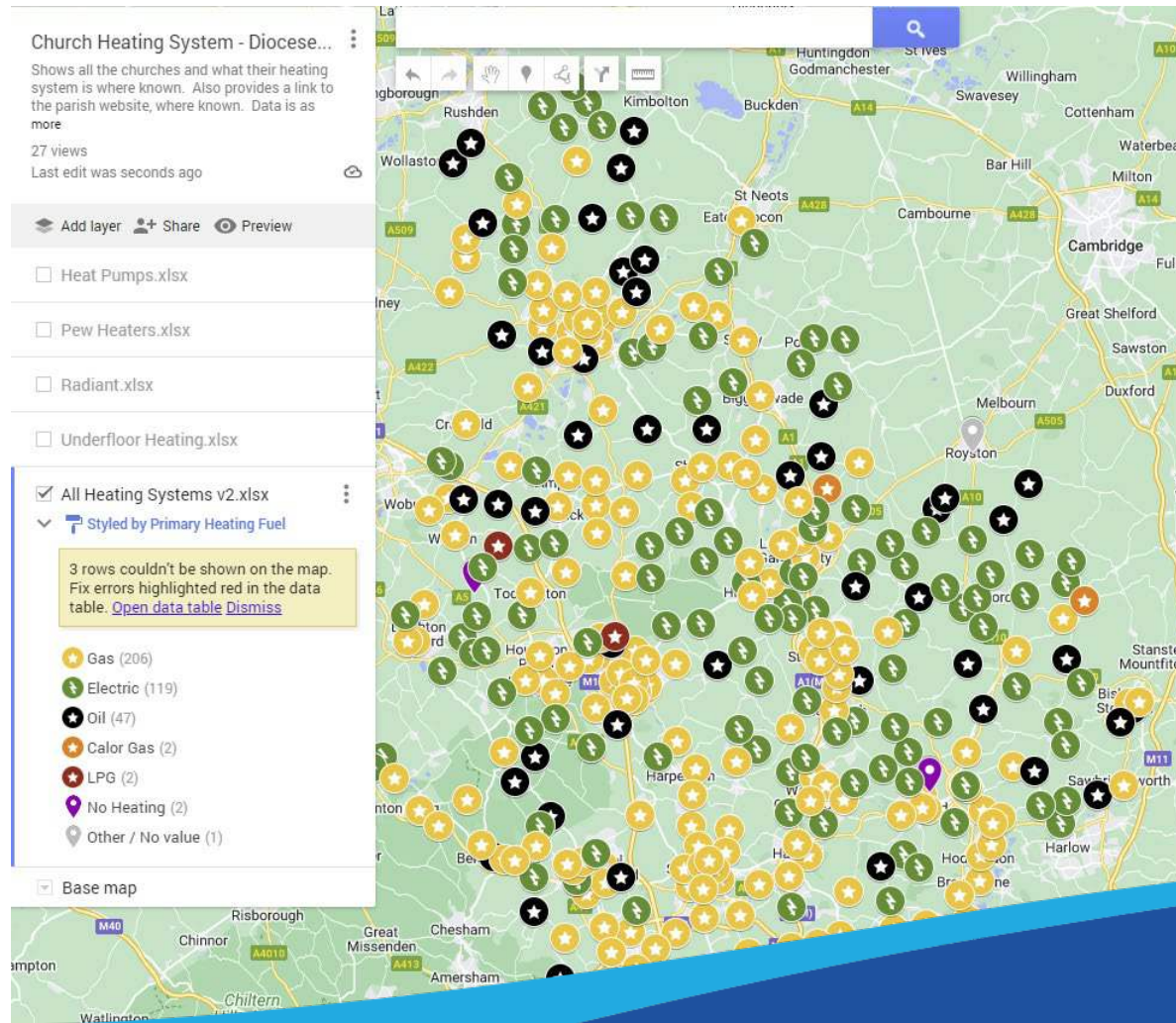


Energy Footprint Tool Results

	2019	2020	2021	2022
Churches & Similar	98	59	145	234
Halls / Offices	5	4	16	42
Grand Total	103	63	161	276
Church Response Rate	25%	15%	36%	59%

- Target was 90%
- Improving response rate
- Preliminary Carbon Emissions:
 - 8.5 Tonnes CO₂e per church
 - ~ 3350 Tonnes CO₂e from all of our churches

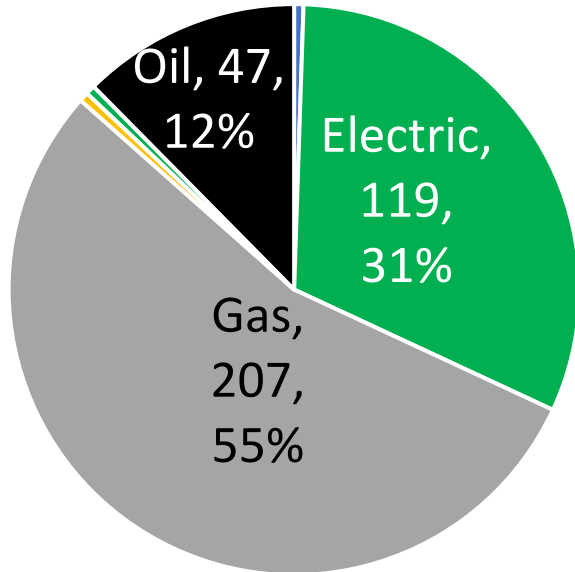
Our Heating Systems



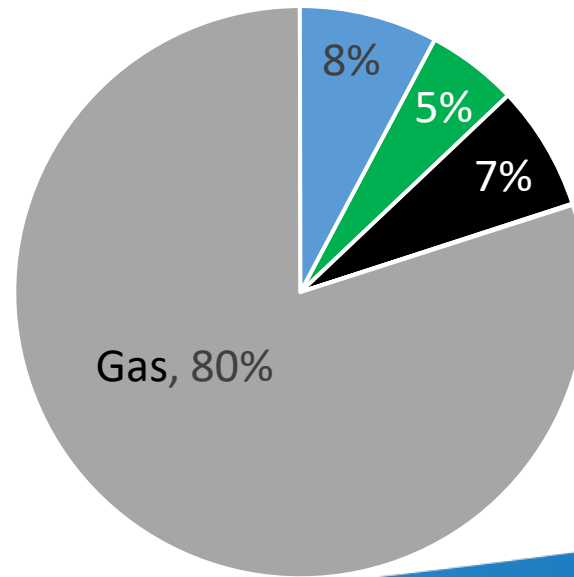
Summary of our church heating systems

Church Heating Systems by Fuel

(From Q1 Data)



EFT Reported Carbon Emissions by Fuel



- Almost 1/3 of churches could be net zero with the right energy contract
- 21 electric only churches already are Net Zero
- 33 Churches using gas for heating purchased both renewable electricity and gas and also qualify as Net Zero

A different view of heating costs

	Gas	Oil	Electric
			
Energy use (kWh/m2)	103	48	14
Cost	£5199	£2551	£1112
Costs more than £2 per person per week	36%	46%	25%

Table Discussion Points



- Is your church's current heating effective?
- Are there churches near you that have effective heating systems?
- What are your concerns / fears about how we transition to Net Zero Carbon?
- What information or experiences may help address these concerns?