

Hydrogen's role in home heating

Dr Angela Needle
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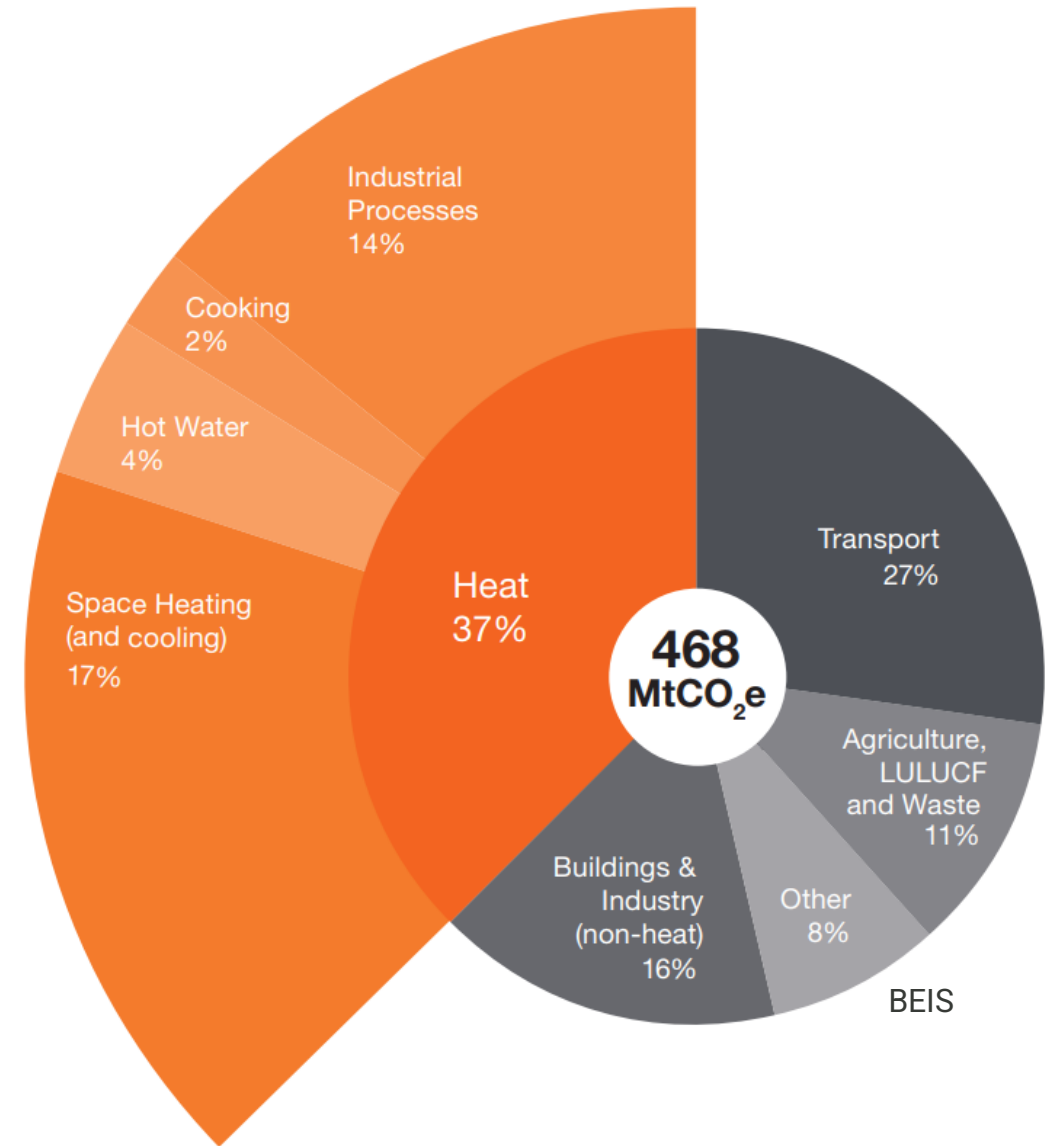
Cadent
Your Gas Network



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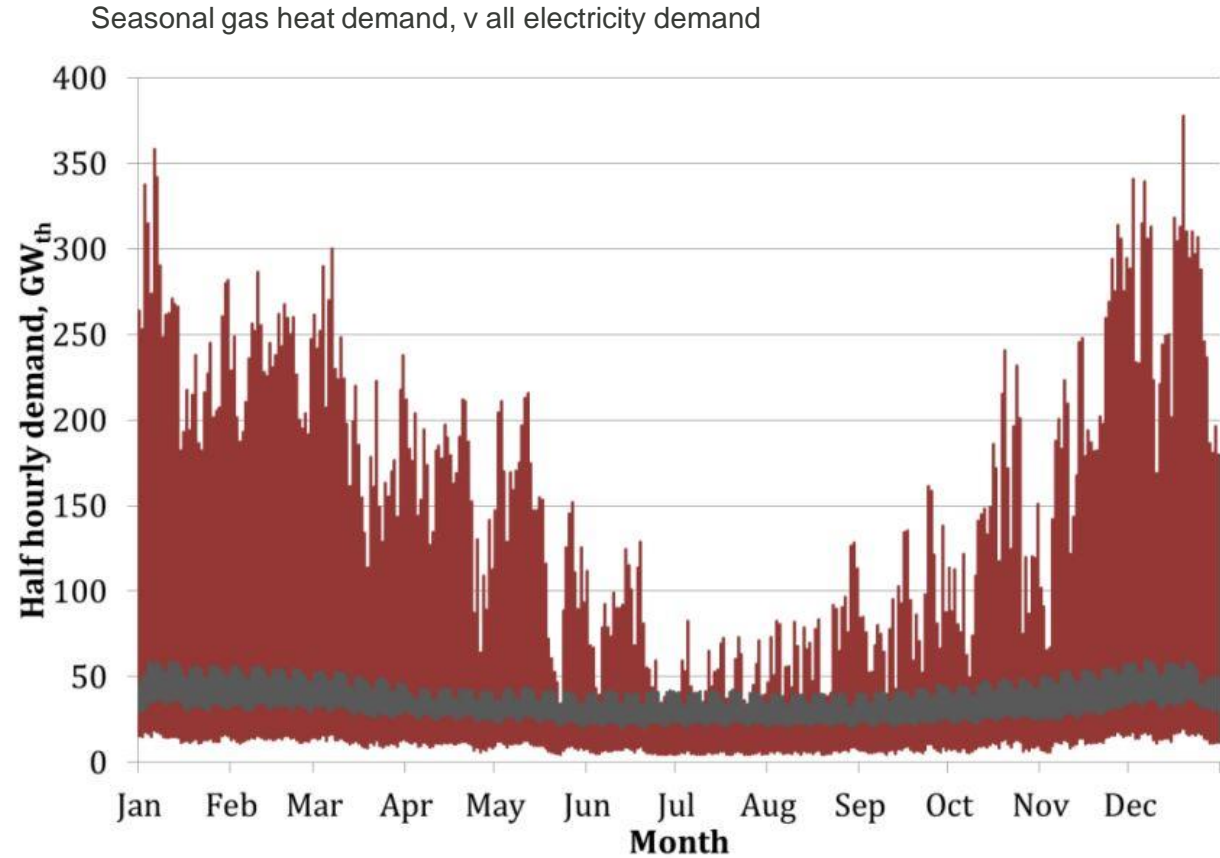


**UK's emissions
are 468 MtCO₂e
with c. 37% heat**



Heating continues to be problematic

1. Different types of buildings
2. Different types of people and needs
3. Availability of vectors
4. Cost of vectors
5. Availability of network capacity
6. Optionality and energy resilience
7. Cost to retrofit



We building the safety and technical evidence

- Blending gas up to 20%
- Minimum disruption to customers
- No appliance changes
- Keele – Winlaton – Commercial
- HSE evaluation underway
- Government decision in 2023









Whitby
Your Hydrogen Village

Thank you

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