



Decarbonising heat & Futureproof

Building the supply chain for delivery of the retrofit market

Zero Carbon Heat in the West of England by 2030?

26/11/2019



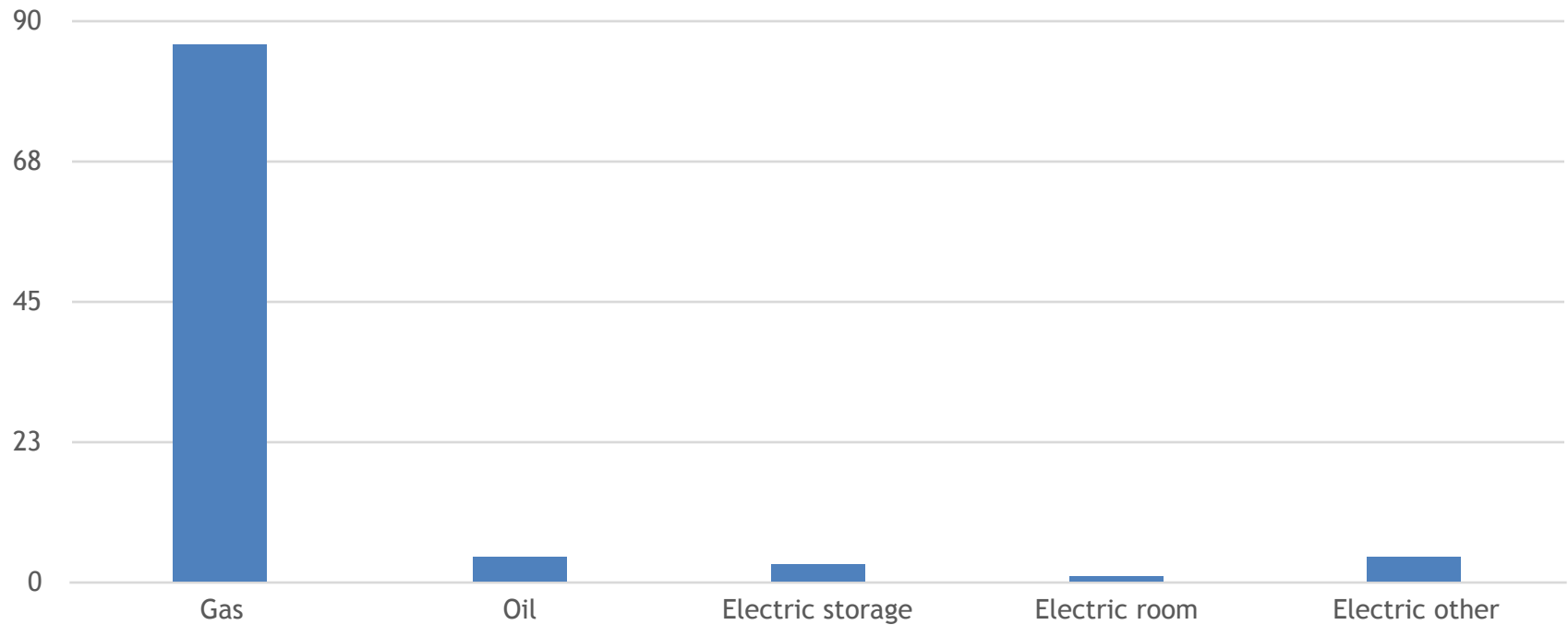
Context

- UK government set a target for carbon neutrality by 2050.
- To achieve this all heat will be need to be carbon free / electric
 - Renewables 25%
 - Nuclear 14%
 - Biomass 6%
 - Gas 52%
 - Coal 5%



Context

UK domestic heat by fuel type





Context

27 million

Existing homes in the UK



Context

25 million

Need to be retrofitted



Context

- 25-30% UK CO₂ emissions from residential sector
- UK residential emissions have grown over last 40 years
 - Growth in population
 - More people living in smaller households
 - People heating their homes 4° C higher
- 1990-2017 -SAP ratings increased 20 points



Context

To achieve 80% reduction in CO2 emission

500,000

Home need to be retrofitted per year
to achieve carbon neutrality we need to do even
more!

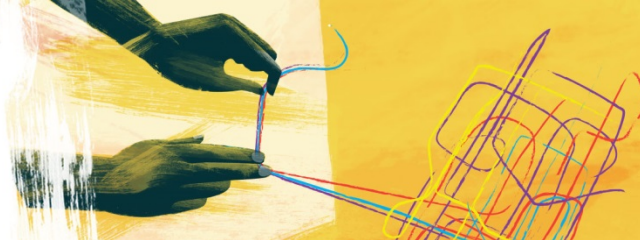


Context

- 63% of property's are in owner occupier tenure
- 92% are classified as 'Able to Pay'
- 13.2 million properties
- 58.5% of all English Homes

and....

- 18% don't even meet the Decent Homes standard



Reasons for doing retrofit

- In the owner occupier sector the most common reason* for doing home improvements is
 - Reducing energy bills or
 - Because the house is cold in winter
 - 17% of householders ranked this as most impnt.

* After redecoration and installation of new kitchen or bathroom.



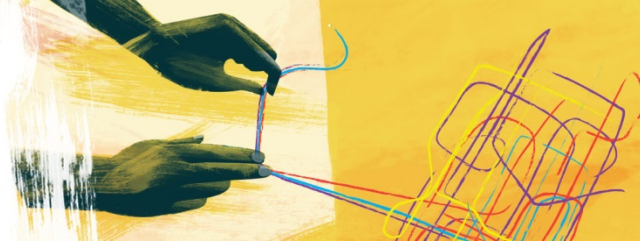
Futureproof

- ‘Building a market for energy efficiency’ call for evidence
- BEIS funded pilot (1 of 6)
- 2.5 year programme
- Focus:
 - Able to Pay market
 - West of England
 - Appropriate for people
 - RMI sector
 - Whole house approach
 - Appropriate for house



Building the RMI sector - current status

- Builders are busy; why would they need to change building practices?
- Insufficient enforcement of legislation
- No regulation or licencing for builders
- Many clients still want the cheapest solution which can result in poor quality and unsustainable solutions



Key learning to date

Customers

- There is a market
- People need some help to understand what's possible
- The survey as a roadmap
- Trusted contractors v impt
- Planning is an issue (even with climate emergency)

Contractors

- There are a few that are interested
- They don't have time: micro SME's and sub-contractors
- Hard to get participation even when paid
- Toolbox talks may be better received



Thank you

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