Heat Networks Investment Project (HNIP)

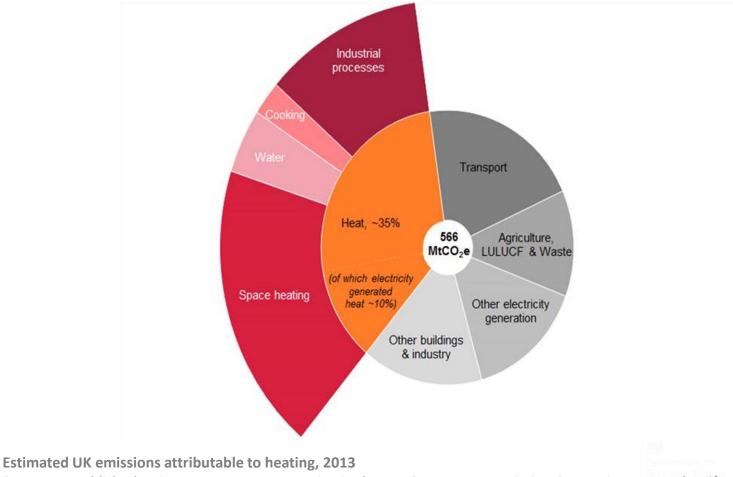
Government support to help create a sustainable UK heat networks market

Emma Floyd Project Director, BEIS

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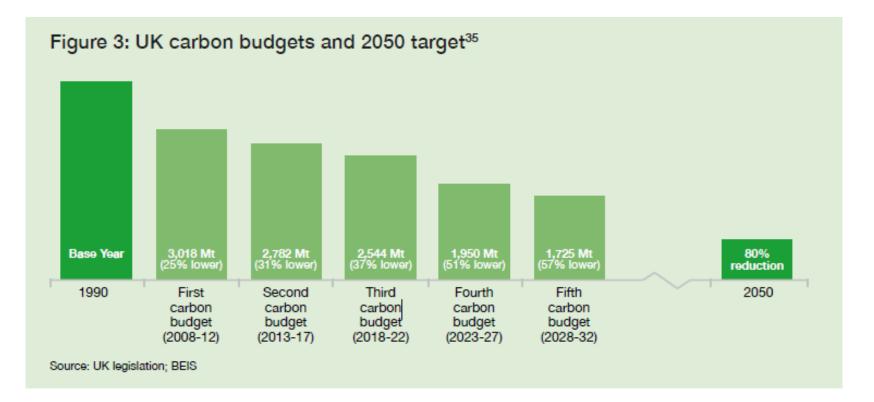
Heat matters



Source: Unpublished estimate, Energy consumption in the UK, Government Emission Conversion Factors (BEIS)

District Energy Seminar at Ecobuild 2018 – 7 March 2018

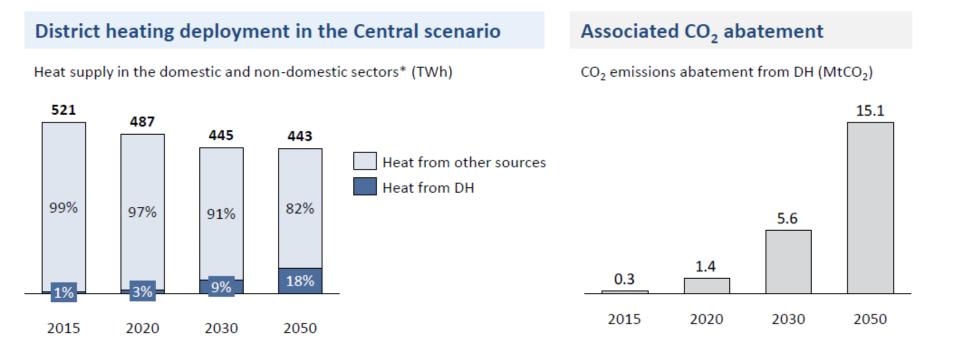
Long term targets



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Potential heat networks contribution



Climate Change Committee analysis shows that deployment of heat networks is required to meet our 2050 target cost effectively

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Industrial Strategy

Building a Britain fit for the future



Why invest in heat networks?

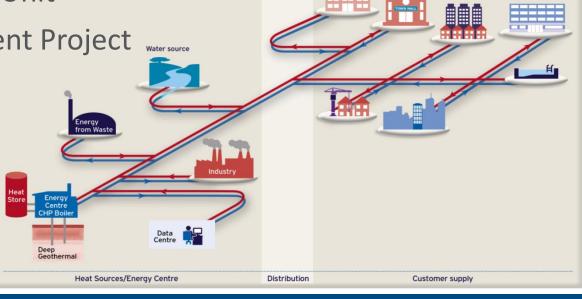
- No regrets
- Proven technology
- Cost effective
- Exploit large scale generation opportunities
- Can reduce consumer bills
- Energy system flexibility and resilience opportunities





Government support: the story so far

- Industry led schemes: Heat Trust and technical Code of Practice
- Heat Metering & Billing Regulations
- £7m Heat Network Innovation Programme
- Heat Networks Delivery Unit
- Heat Networks Investment Project



Heat Networks Delivery Unit: Developing a pipeline of projects for investment

- Heat network specialists
- Support to over 130 Local Authorities; 200 projects
- £16m invested in feasibility and pre-build development



What is the Heat Networks Investment Project (HNIP)?

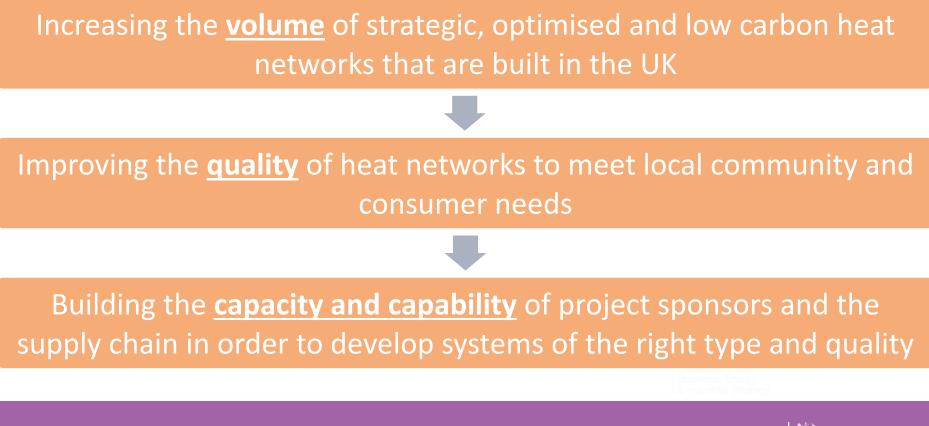
- Investing £320m in heat networks to 2021
- 16-17 Pilot: £24m invested in nine projects
 <u>Main scheme</u>
- Likely open to all applicant types
- Likely to offer grants and loans
- Run by a delivery partner
- Expect to launch in autumn 2018





HNIP Aims and Objectives

To help create a self-sustaining heat network market



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Expected impact on the market

Fund over 100 projects

Leverage £1bn private and local investment

Unlock £16 -£22 billion investment¹

¹ IPPR, Piping Hot 2017

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Eligibility Criteria

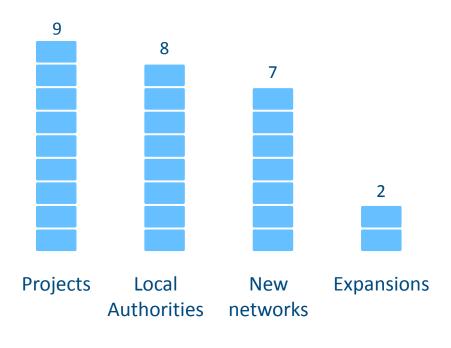
Pilot funded generation and/or distribution systems (plus secondary & tertiary systems in some circumstances) that met following criteria:

- 1. Connect 2+ buildings
- 2. No barriers to future expansion / interconnection
- 3. Heat source >50% renewable energy, 50% recovered heat, 75% CHP **or** 50% combination heat generated
- 4. Meet standards:
 - a) Heat Networks (Metering and Billing) Regs 2014
 - b) CHP Quality Assurance standards
 - c) Heat Trust or equivalent

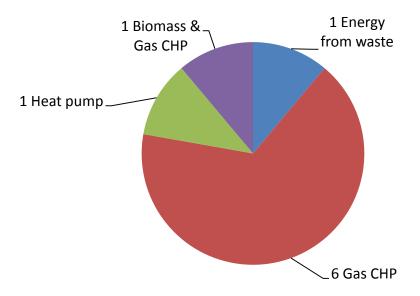




HNIP Pilot projects



£24m gov investment £74m total capex £2m average grant; range £1m - £3.5m £4.25m average loan; range £3.5m - £5m



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Next steps for Government

Three in four heat network consumers were satisfied overall with their heating system. This is comparable with non-heat network consumers.



Heating prices varied greatly among heat network consumers, with some consumers paying over £2000 per year.
Median annual prices were £100 lower for heat network consumers.

CMA Competition & Markets Authority

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Shared Warmth

Thank you. Any Questions?

https://www.gov.uk/government/publications/heat-networks-investment-project-hnip

BEIS Contact Details

For further information about heat networks or HNIP following this event please contact :

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