

Welcome



Speakers

Hosts



Abbie Badcock-Broe
Head of Strategy



Daniela Rios Customer and Stakeholder Engagement Partner



Chris Unsworth
Strategy Manager

Panel



Anne-Marie Liszczyk
Whole Energy System
Transformation Manager



Rita Wadey Head of Hydrogen



Annie Truong
Consumer Strategy Lead



Faith Natukunda
Regional Strategic planning
manager

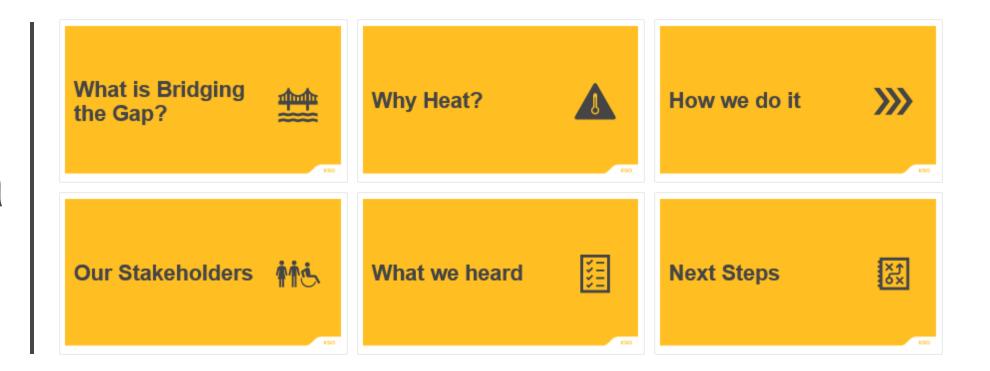


Alex Hart
Zero Carbon Operation
Manager

Purpose

Share the major themes from stakeholder view on how to accelerate heat decarbonisation and to highlight next steps beyond this year's Bridging the Gap

Agenda

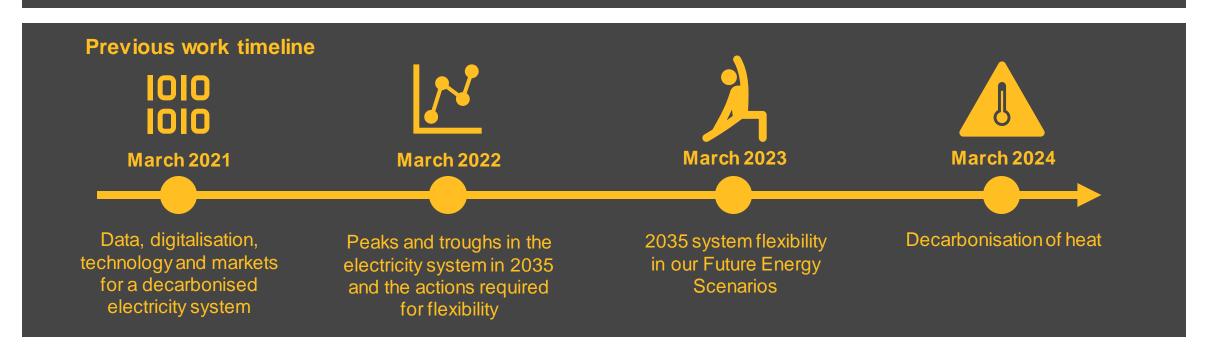


What is Bridging the Gap?





Bridging the Gap aims to explore how the gap to Net Zero could be closed through engaging on areas of uncertainty. This year the focus was on heat decarbonisation



Why Heat?



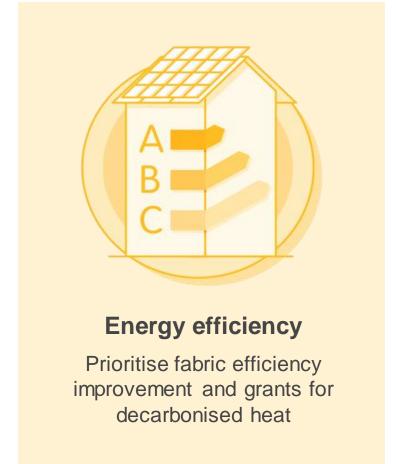
FES 2023 highlighted the need for accelerating heat decarbonisation, with 3 core actions required



Focus on heat

Accelerate the decision on the future of residential heat





How we do it



Bridging the Gap



Identify a topic that is strategically significant to the sector



Engage with diverse and nationally representative stakeholders to listen and understand a broad range of opinions



Bring together stakeholder views into major themes to highlight how to progress

For heat, we have synthesised and iterated the perspectives from a series of stakeholder engagements during 2023

Jul/Aug 2023	Sept/Oct 2023	Oct 2023	Oct/Nov 2023	Nov 2023	Dec 2023/Jan 2024	Feb 2024
Pre- engagement	Workshop 1a & 1b	Mop ups & analysis	Workshop 2a & 2b	Analysis of outputs	Internal review	Webinar
Bilateral introductions	Asked central question: key enablers for accelerating heat decarbonisation	Additional roundtables Distilled feedback Generated options	Critical review and feedback	Refinement of messaging based on feedback	Examining overarching themes	Playback of what was found Highlight what next

We digested the feedback from stakeholders and assessed it to highlight the views that were common across stakeholder groups

The final summary presented today has come from the content generated by stakeholders from different engagement opportunities (workshops, bilateral meetings and mop-up conversations). The content was grouped into major themes that emerged from the collection of stakeholder views and taken forward into the final summary. This summary does not represent an ESO position.

We used 3 criteria to help in analysis:



Consensus

The proportion/quantity of stakeholders behind each message



Diversity

The range of stakeholders behind each message



Evidence beyond our work

Whether the message is also supported by other evidence externally

Our Stakeholders 44%



We engaged with a diverse range of stakeholders from across energy and development sectors

Energy sector













































energy GB



















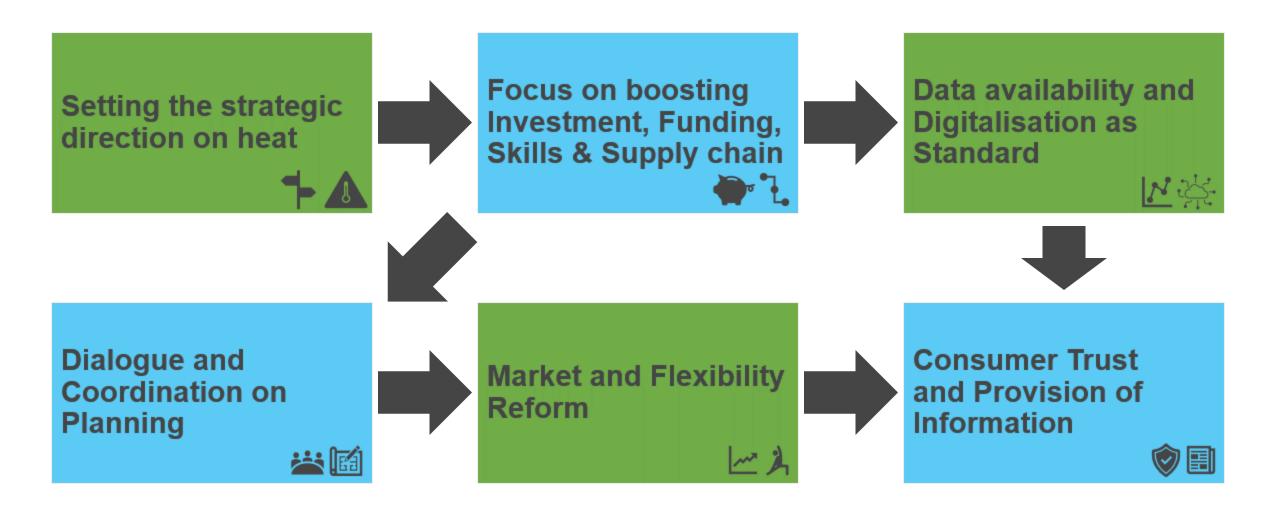




What we heard



We heard that there are 6 bridges to cross to accelerate heat decarbonisation



Setting the strategic direction on heat



You said...

Clarity

- Clear strategic direction on heat decarbonisation from Government is an important key enabler
- Clarity on roles in the policy framework is needed going forward

Basis for Direction

- The following are foundational factors within the strategic decision on heat:
 - The proposed hydrogen network and location of industrial clusters is a basis for providing practical information needed for regional decision making
 - Hydrogen & Heat networks use needs to be considered within specific use cases

Nature of Direction

- National entities need to work with regional entities to enable decisions for each community
- The earlier the decision is made by Government, the better

Focus on boosting Investment, Funding, Skills & Supply chain

You said...

Direction

- Heat decision is key to bring forward investment in heat decarbonisation
- Heat decision will give the certainty needed for supply chain development
- Heat decision will give the certainty needed to build the skills needed for delivery
- Certainty from decision will enable new entrants into the market to increase competition

Training

- Widespread accreditation of installers is needed to help with quality and trust
- Central energy institutions should work with educational institutions to expand options
- Training institutions need to develop targeted and distinct talent pipelines
- Increase uptake by making career path attractive. Encouraging diversity is key

Local & International Resilience

- Increasing the resilience of local and UK market is a key enabler
- This can be achieved through public and private coordination to develop domestic manufacturing in low carbon tech
- Recognising that supply chains and investments are international markets and coordination internationally is key

Data availability and Digitalisation as Standard



You said...

Smart

- Smart technology rollout is an essential foundation for benefits realisation

Data

- Open data and sharing of best practise across network owners would be a key enabler
- Home analysis to understand how to tailor options would help make progress
- More data on industrial waste heat sources will help identify opportunities for heat networks

Digita

- Interoperability as standard for heat assets is a key enabler for realising consumer benefit
- Automation in heat assets could also be a key enabler for realising consumer benefit

Dialogue and Coordination on Planning





You said...

Clarity & Roles

- A clear methodology, direction set and funding for local area energy planning & heat zoning would be key enablers
- NESO as Regional Energy Strategic Planner is well placed to coordinate from a whole national system perspective

Involvement

- Coordination needs to involve local authorities, developers and network owners
- Dialogue to enable regional decision making needs to be with consumers in communities

Alignment

- Planning reform is needed to enable quicker connection and lower lead time
- Zoning and local area energy plans need to flow through to longer term network owner business plans

Market and Flexibility Reform



You said...

Pricing

- The ratio of electricity to gas price is an important signal that would enable fuel switching

Options

- Review of Electricity Market Arrangements considering implications for retail market is key
- Charging reform sending strong signals could also be key
- Flexibility & Hydrogen markets could also help foster the transparent competition needed

Products & Services

- Aggregators considering domestic and commercial consumers helps in benefits realisation
- Widespread deployment of time of use tariffs and/or the Demand Flexibility Service could also help in benefits realisation

Consumer Trust and Provision of Information



You said...

Trust

- Focussing on meeting consumer need is an important accelerating enabler
- Trust is important and different consumers have different perceptions of who they trust
- Communications need to be aligned across consumer facing entities to provide consistent messaging
- Practical options for consumers needs to be decided through regional decision making

Information

- Central energy institutions need to work with consumer facing entities on what information consumers need
- Consumers should be given information on practical options for them
- Information provision avoids consumers becoming distressed buyers

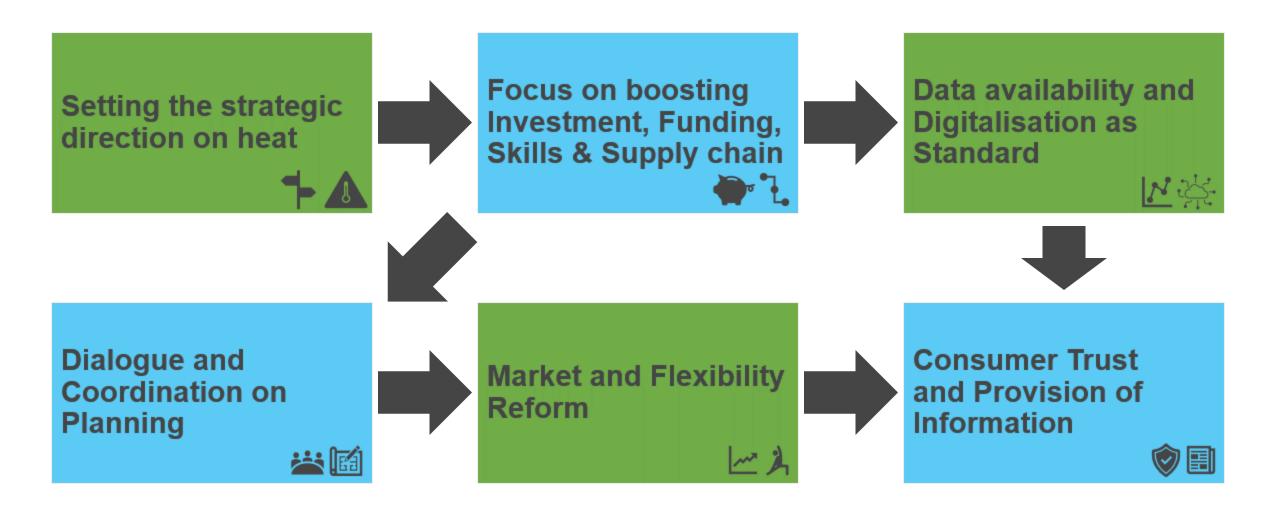
Protection

- Creating a smooth consumer journey that minimises disruption is key
- Consumer protection is enabled through consistent information provision, concerning quality of installations and the risk of scams, delivered via trusted consumer entities
- There is a need to explore financing options that meet consumer needs

Next Steps



We heard that there are 6 bridges to cross to accelerate heat decarbonisation



Your feedback can feed into a range on areas going forward



This qualitative feedback will be fed into **FES 2024** alongside work aimed at updating the heat modelling with FES



Outputs from this work will also help contribute to our work on **Flexibility Markets Strategy** & Ofgem's ongoing work concerning the **Market Facilitator role**



Outputs from this work will also help in establishing **new NESO roles** such as the **Strategic Spatial Energy Plan** and **Regional Energy Strategic Plan**

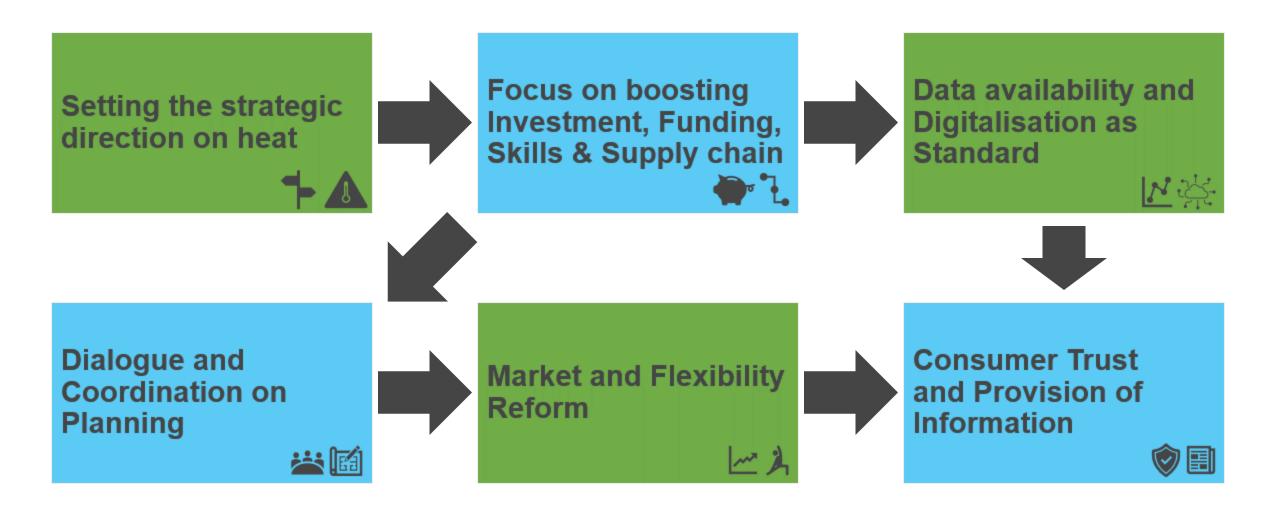


Further quantitative research may be useful for industry, Government and Ofgem as important upcoming decisions regarding heat are expected in 2026

Q&A



We heard that there are 6 bridges to cross to accelerate heat decarbonisation



Coming up



Becoming the National Energy System Operator (NESO)

More information <u>linked here.</u>

26th Feb, 2024

National Energy
System Operator
Webinar:
Resilience and
Security

1st March, 2024

National Energy
System Operator
Webinar:
Strategic
Planning

6th March, 2024

National Energy
System Operator
Webinar:
Market
Development

Recording will be available soon

Link to register here

Link to register here

Feedback







If you'd like to know out more about findings from Bridging the Gap 2024, please get in touch via our inbox: box.FESbtg@nationalgrideso.com

