Zero-emission heat?

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Climate Change (Emissions Reduction Targets) (Scotland) Bill [AS INTRODUCED]

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PART 1

EMISSIONS REDUCTION TARGETS

The net-zero emissions target

1 The net-zero emissions target

The 2050 and interim targets

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The interim targets Modification of the 2050 and interim targets 4

The target-setting criteria

5 The target-setting criteria

Advice about targets



Fuel Poverty (Targets, Definition and Strategy) (Scotland) Act 2019

2019 asp 10





Scotland's Energy Strategy and 2018 Climate Change Plan



Dual Focus: to promote energy efficiency in all buildings and low carbon heat











Emerging Policy Focus







Programme for Government 2019

Programme for Government commitments:

- Heat Decarbonisation Policy Statement
- New homes from 2024 must use renewable heat; nondomestic buildings phased in from the same date
- Public sector as an exemplar
- Heat Networks Bill
- £30 million Low Carbon Heat call
- Commitment to publish bioenergy action plan by end of 2019.





Technological

- Suitability of buildings to maximise efficiency of low carbon heat
- Constraints on electricity grids
- Hydrogen not yet proved at scale. UK government yet to decide
- Price
 - Higher upfront costs compared to incumbent technologies
 - Can generally have higher running costs compared to fossil fuel incumbents, particularly natural gas

• Engagement

- Can require extensive changes to internal systems (e.g. radiator replacement)
- Lack of awareness of alternative options for heating
- Myths, bad experiences, etc. of low carbon systems
- Replacement cycle
 - Heating systems often replaced in crisis e.g. heating systems breakdown
- UK reserved powers
 - Timescales on UK wide decisions, regulation of the Gas Network, Consumer Protection, Price signals and future of the Renewable Heat Incentive





SG-commissioned research:

- Analysis of Call for Evidence responses (concluding)
- Research on Building Archetypes domestic and non-domestic (underway)
- Research on potential consumer impacts (to be commissioned)

This workshop:

- An important contribution to knowledge
- A platform for exploring how to develop the heat research agenda



