

Scottish Renewables Low-carbon heat briefing

November 2018

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Decarbonising Scotland's heat:

- Where do we need to be
- What is the Scottish Government doing?
- Issues:
 - District heat networks
 - New buildings
 - Rural heat



Key points

Progress being made on energy efficiency, but big question marks remain about renewable heat:

- **District heat regulation:** measures to boost the market lost
- New buildings: seize opportunity to make new buildings ultra low-carbon
- Rural heat: set out how Energy Efficient Scotland will deliver this



2030 Climate Change Target: 61% cut in emissions

Achieved by:

- 50% of all energy from renewables
- 30% economy-wide energy efficiency improvement

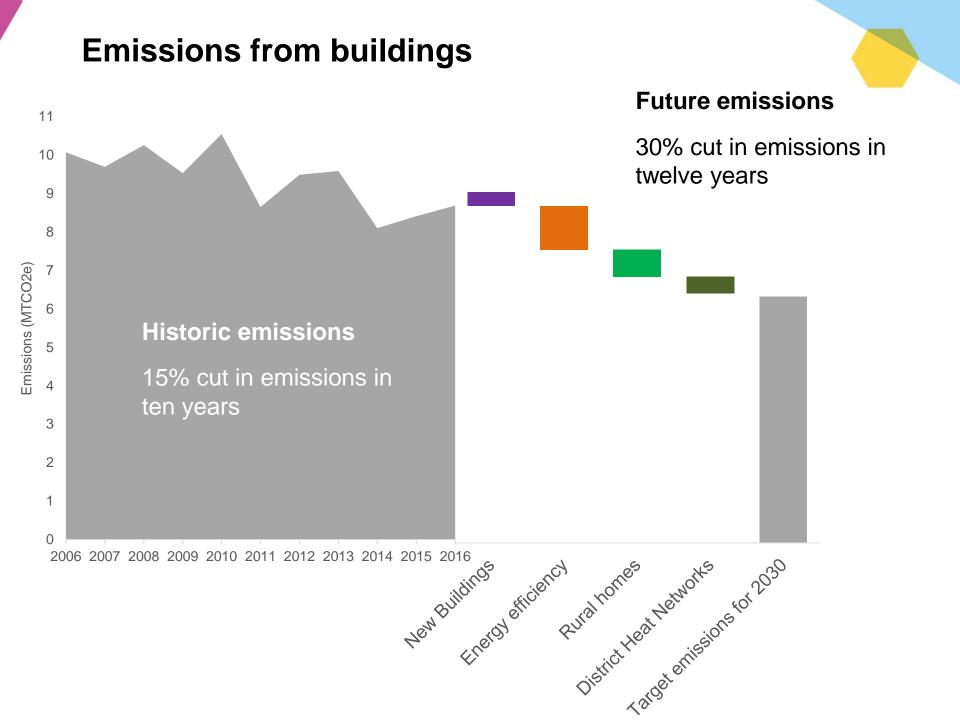
Heat (homes, public & commercial buildings)

- 15% demand reduction
- 20% renewable heat

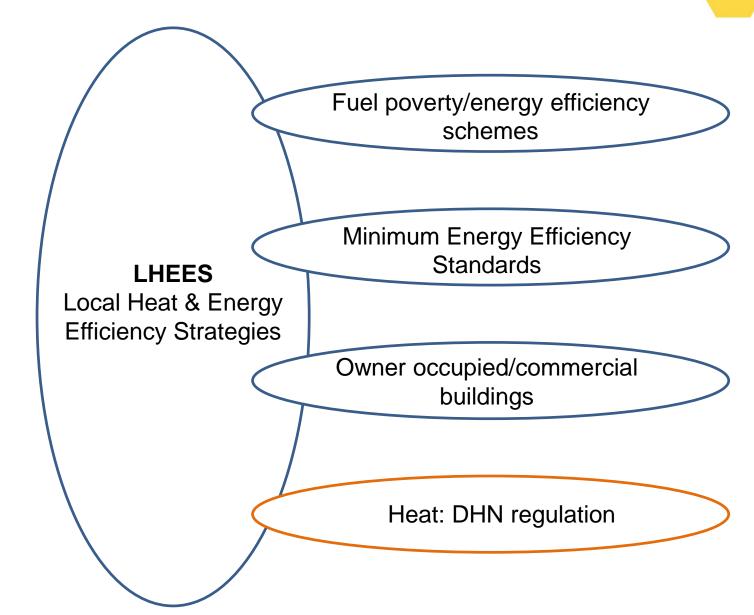
How do we get there?

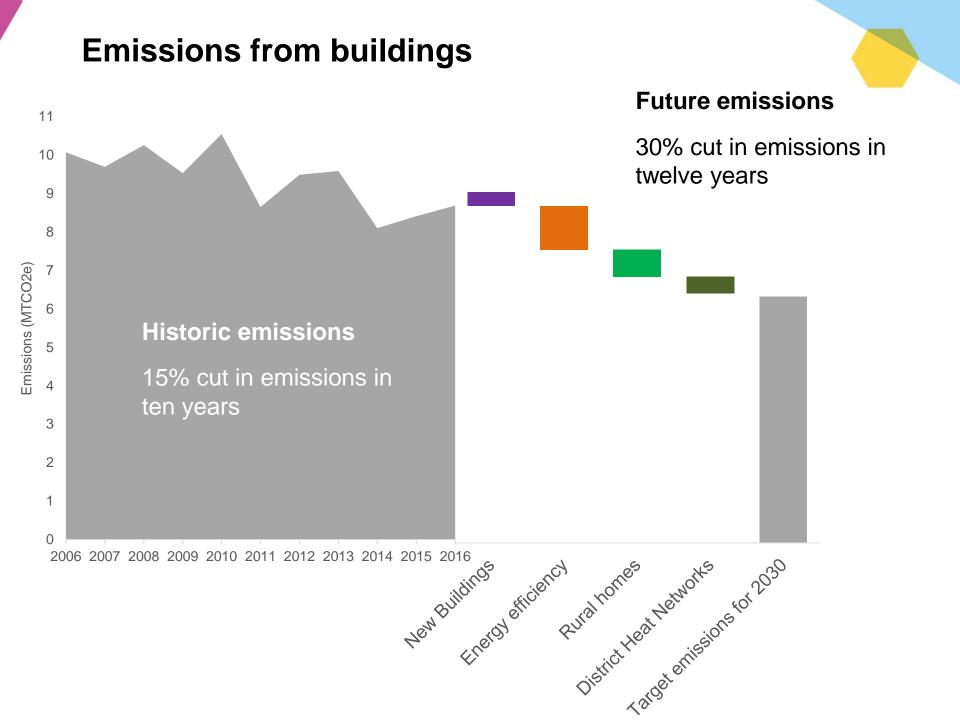
To achieve a 30% cut in emissions from domestic & non-domestic buildings by 2030:

- Energy efficiency: all homes brought up to ~ EPC C
- Most buildings in rural areas (off-gas grid) switched away from coal, oil and LPG
- x10 increase in volume of heat delivered by heat networks
- New buildings fitted with heat pumps



The Energy Efficient Scotland Programme



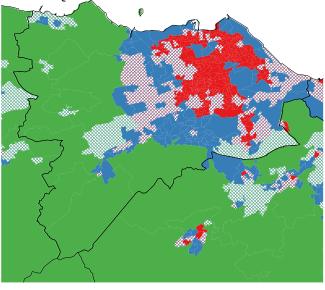


District Heat Networks

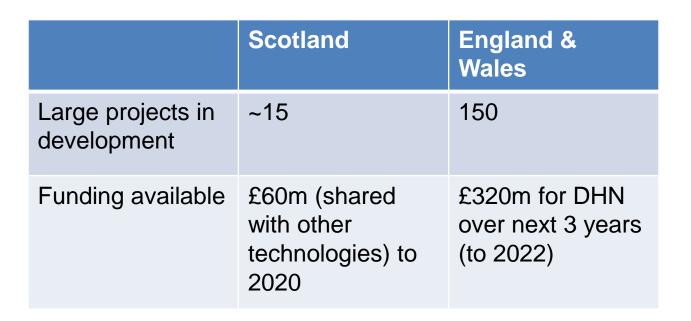
Proposed measures:

- District heat zones
- Obligation to connect somebuildings (subject to socioeconomic assessment)
- Exclusive concessions
- License (standards, consumer protection, future-proofing)
- Waste heat





District Heat Networks



- We need a pipeline of projects to hit the tenfold increase needed by 2030
- Projects take many years to develop & build

Rural Heat (off-gas grid)

- Scottish Government: "a nearterm priority"
- 190k homes using coal, oil & LPG

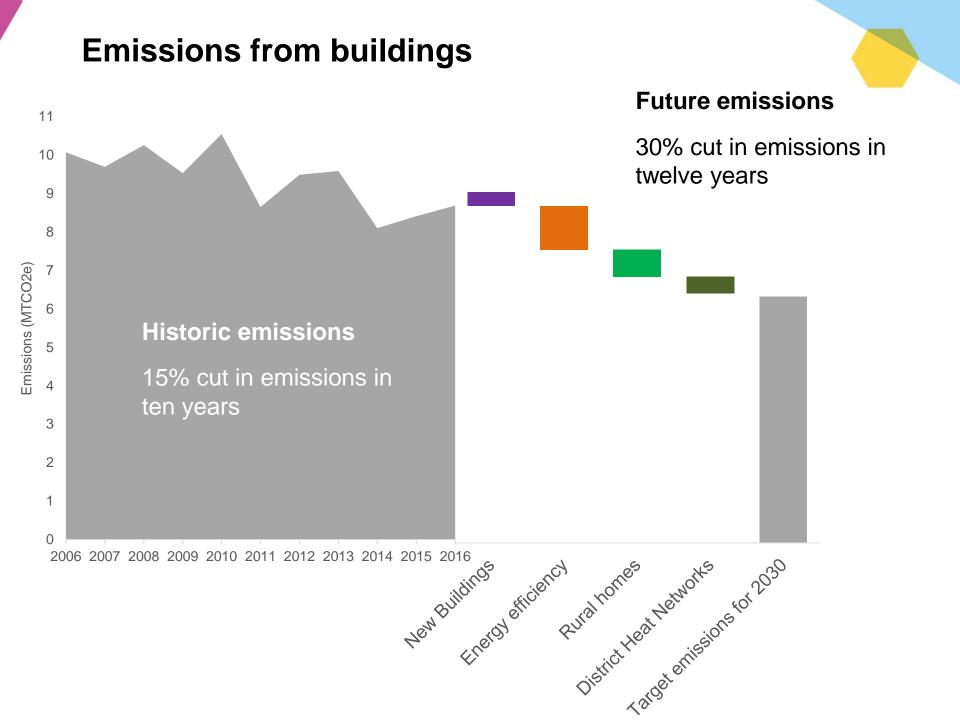
Scottish Renewables proposals:

- No new installations of oil & LPG boilers from 2025
- Continue incentives to help with capital costs
- Off-gas grid zones prioritised & awareness raised
- Don't subsidise high-carbon replacements (fuel poverty schemes)









New Buildings

- Review of buildings standards to look at reducing energy & carbon
- Cheapest sector to integrate
 low-carbon heat
- Lower heating & energy bills
- Phase out the use of gas heating in all new builds
- Net zero buildings by?

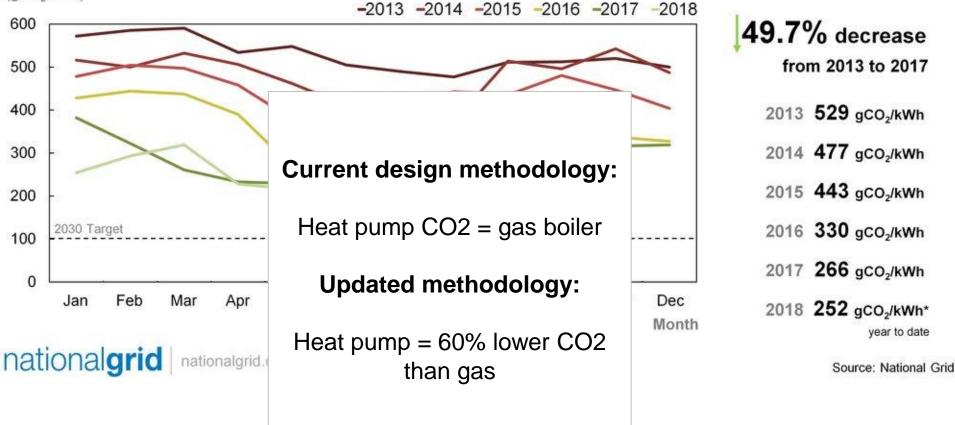




The Decarbonisation of British Electricity

2018 has so far been the 'greenest' year on record in Great Britain





To recap:

Progress being made on energy efficiency, but big question marks remain about renewable heat:

- **District heat regulation:** measures to boost the market lost
- **Rural heat:** set out how *Energy Efficient Scotland* will deliver this
- New buildings: seize opportunity to make new buildings ultra low-carbon



Thanks for listening

