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CENTRE FOR ENERGY POLICY

A New Energy Future

Smart, local energy systems?

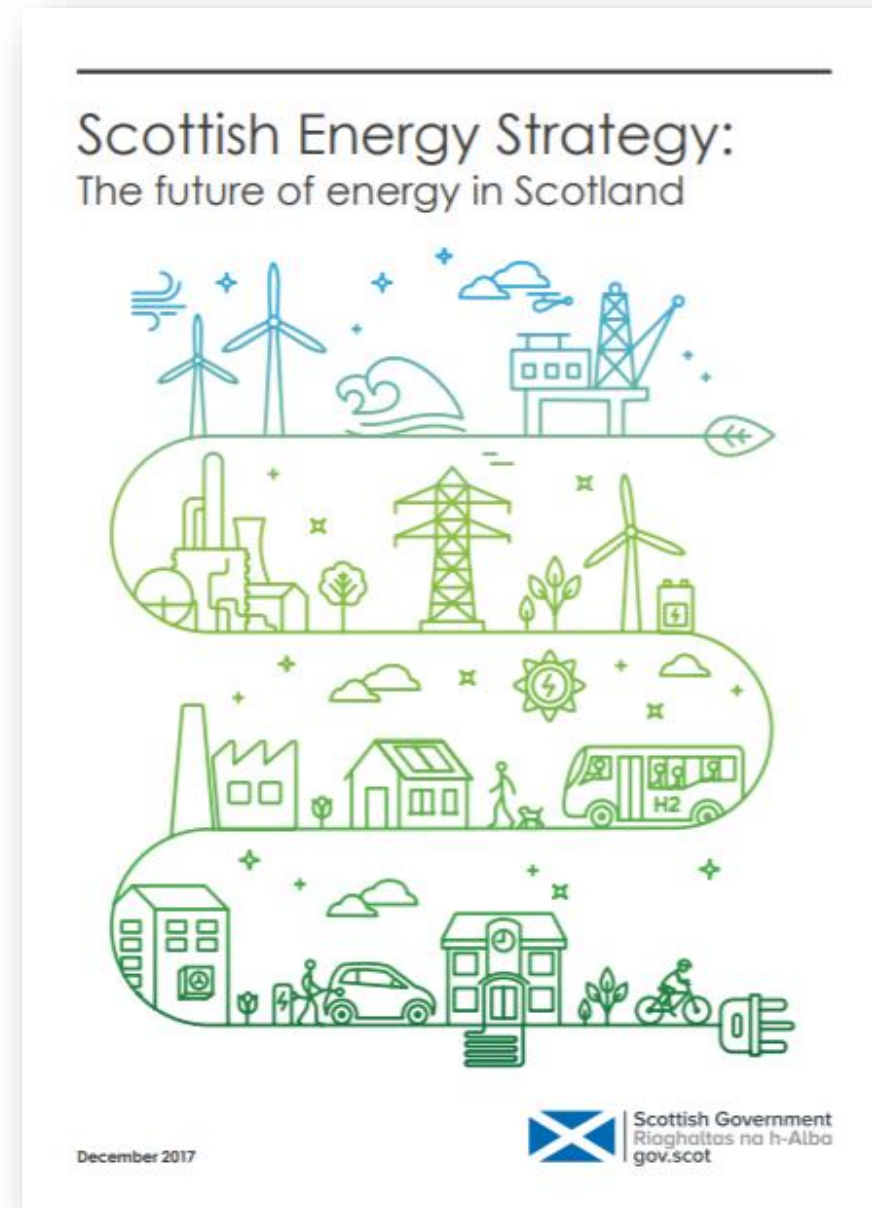
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The Scottish Energy Policy Context

The Scottish Energy Strategy –
bringing everything together

The Climate Change Plan – sister
document to the Strategy

Consistent assumptions &
modelling of possible futures
underpinning both

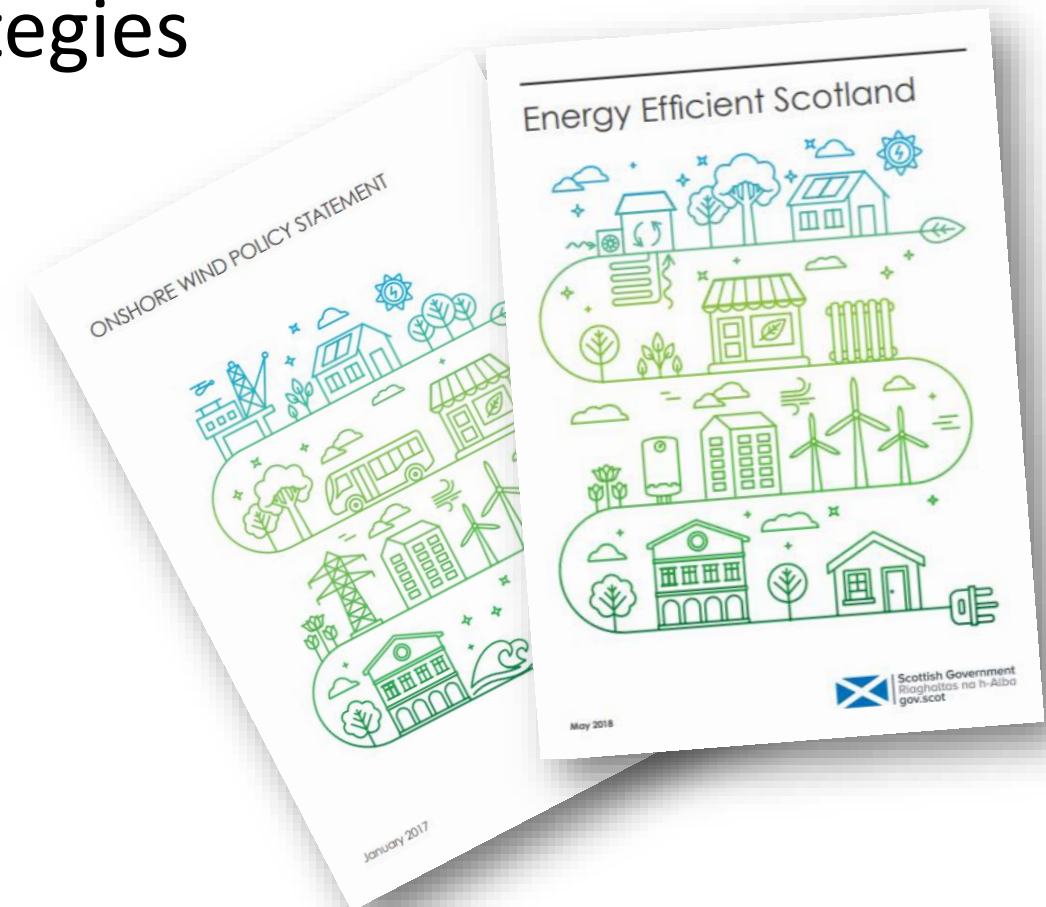




Wider policy sitting under the Strategy

Energy Efficient Scotland routemap
Local Heat and Energy Efficiency Strategies
Onshore Wind Policy Statement

Alongside forthcoming:
Energy Consumer Action Plan
Bioenergy Action Plan
District Heating regulations
Vision documents – electricity and gas
Public Energy Company





National targets, local delivery?

The Energy Strategy sets two overarching targets:

- The equivalent of 50% of the energy for Scotland's heat, transport and electricity consumption to be supplied from renewable sources.
- An increase by 30% in the productivity of energy use across the Scottish economy.

BUT: Not clear (yet) that all the right policies are in place to deliver these.

A smart, local energy revolution?



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Smart meters

Half-hourly settlement

Demand-side flexibility

‘Prosumers’

Micro-generation and small-scale storage

Peer-to-peer trading

Data, data, data



A role for local authorities

How might this smart, local energy revolution support local authority objectives?

What about heat, affordable warmth?

How can it support fuel poverty alleviation?



A role for local authorities

What about community and locally owned energy assets?

How can the smart, local energy revolution be harnessed to deliver on LHEES goals?

Who ultimately pays and who benefits?