

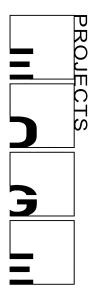
Fixing the Housing Stock UK's Big Challenge

July 2009

ABOUT THE EDGE

The Edge is a campaigning built-environment think tank and is multi-disciplinary in a landscape that is remarkable for the high number of single-discipline institutions it contains.

We have been described as a virtual institution. Started as a means of creating a shared space between the architectural and engineering institutions, the Edge was never going to fulfil this mission if it turned itself into yet another institution and squeezed into any space that is left. Instead we have existed as a voluntary group in temporary space with no staff and lots of stakeholders.



Fixing the Housing Stock - UK Construction's Big Challenge.

A Brainstorm by Edge Committee Members.

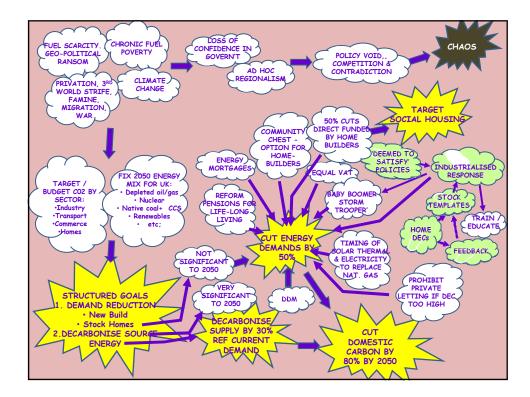
This paper's roots lie in a presentation to DCLG in support of its Homes-for-Life initiative (focusing on the needs of the elderly).

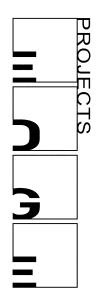
It centred on dealing with the mounting challenges of fuel poverty.

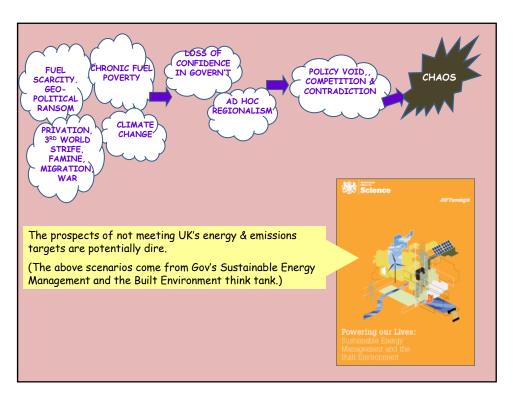
However, in brainstorming the issues, it became clear to the Edge participants that systemic barriers to 'fixing' energy problems with stock housing were so deep-seated that it was impractical to progress the needs of only one part of the community.

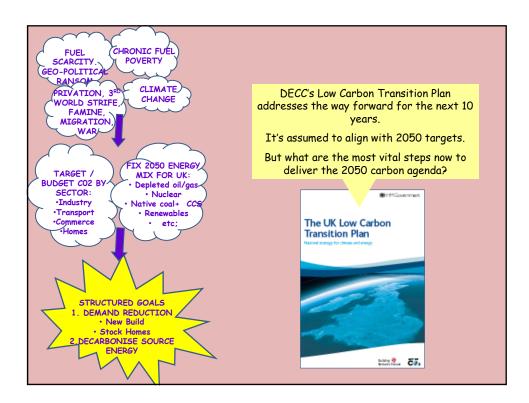
So the Edge turned its attention to all UK housing stock and considered measures that might enable a national retrofit programme to establish.

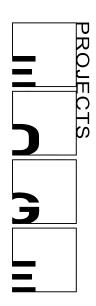
This paper summarises Edge's thoughts. It originally took the form of an animated storyboard building into the diagram on the following page. Here the story-board is converted into a comic strip to include a brief commentary.

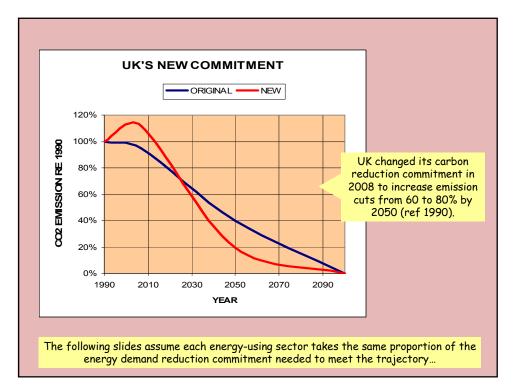


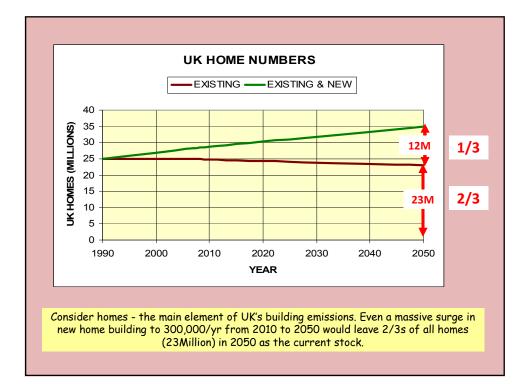


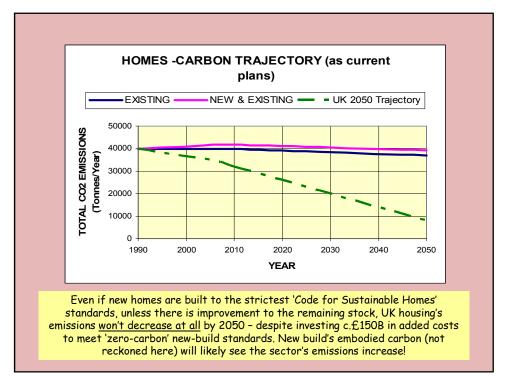


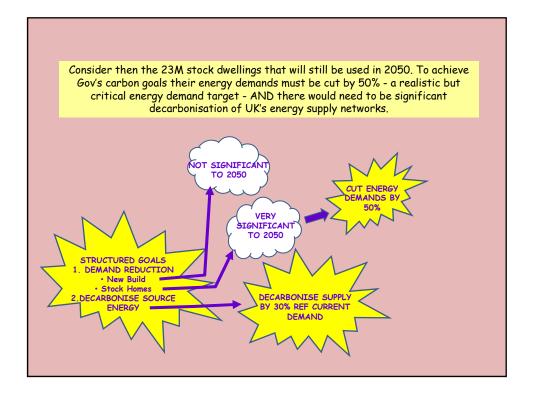


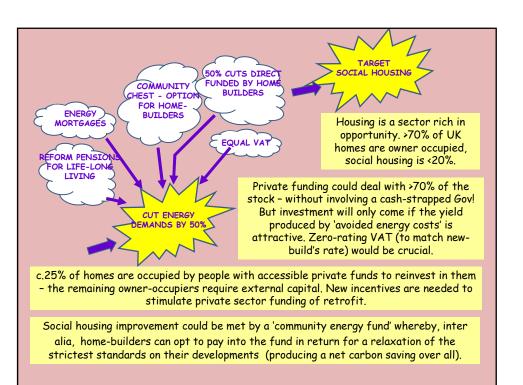


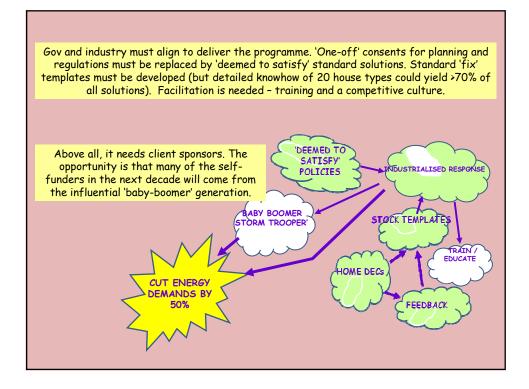


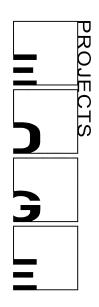


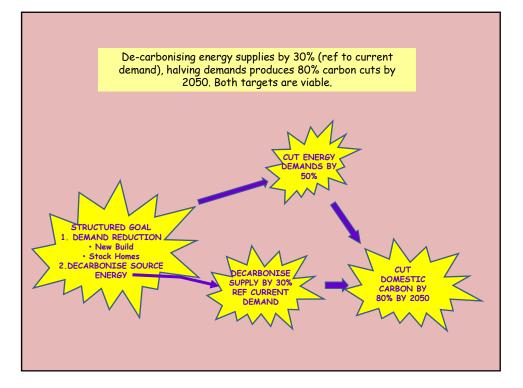




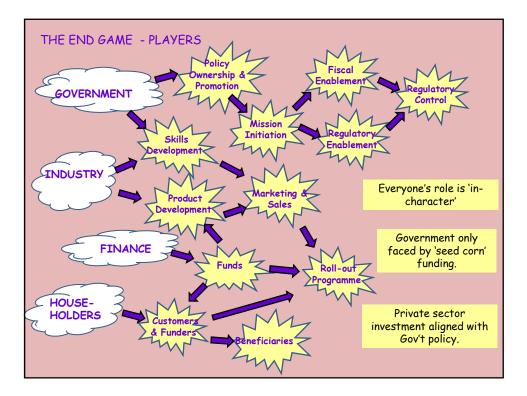








THE CHALLENGES Halving CO2 demand from 20(+) million homes by 2050 = 500,000 homes/year A distressed economy - no public purse! THE RISKS OF NOT GOING FORWARD Rapidly rising fuel poverty Fuel/energy scarcity, brown-outs THE OPPORTUNITIES Baby Boomers 'first footer' funders - provide initial stimulus. £5-10billion/year new UK industry - privately funded. Central Gov eliminates /mitigates risks. Important UK example on climate change mitigation. International standing Commercial opportunity for UK internationally.



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A Comic Strip of a Brainstorm by Edge Committee Members.

FOOTNOTES

This thumbnail outlines a string of measures that could bring about a vital national retrofit programme for UK's housing stock.

It makes many assumptions - mostly untested and in need of following up.

Edge members aim to carry out further studies.

Edge welcomes suggestions and comments. For further information, please contact the Editor of this paper - Paddy Conaghan at:

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Or feedback on:

www.edgedebate.com