



Benefits of Area Based Regeneration and the Scale of the Issue

Carbon Reduction Timeline



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Drivers for Change

EPBD recast: - existing buildings -

- MS to set Minimum energy performance requirements for renovation of technical systems, as well as for building elements (roof, wall, etc.) *if technically, functionally and economically feasible*, whenever they are retrofitted or replaced
- MS to take measures, such as targets, to stimulate the transformation of buildings that are refurbished into nearly zero energy buildings





Drivers for Change





Cost optimal approach



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- In Wales there are approximately 440,000 solid walled properties.
- To improve them to a modest standard will cost circa £10k for just the fabric.
- To complete them by 2020 we need to do 55,000 a year just in Wales, by 2030 its about 25,000 a year







- This means 1145 or 509 a week depending on how long we have
- That's £440,000,000 just for the fabric
- That's about 2,640,000 m₂ of insulation
- So where does that get us



The context – age of housing stock







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Scale

- The only way to deliver these targets is mass installation
- Area based regeneration, that can be undertaken sympathetically
- Using the right solutions.



Thank you for listening

