



Low Carbon Retrofit for Housing

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What is low carbon retrofit?

- “.... incremental improvements to the building fabric and systems with the primary intention of improving energy efficiency and reducing carbon emissions”

Better Building Partnerships 2010

Low Carbon retrofit

- 27% of carbon emissions come from the residential sector
- Significant numbers of households suffer from fuel poverty
- Energy saving + low carbon energy efficiency technology = key policy objective for the Government

Technologies

- Smarter appliances
- Energy efficient lighting
- Loft & floor insulation
- Cavity wall insulation
- Internal / external solid wall insulation
- Smart meters and displays
- Wind turbines
- Ground Source Heat Pumps (GSHP)
- Air Source Heat Pumps
- Bio-Mass



Emerging Agendas

- Energy Bill
- Warm Homes Discount
- Renewable Heat Incentive (RHI)
- Feed In Tariffs (FITs)
- Pay As You Save (PAYS)
- Warm Front Review - National
- Regional Work (HCA)



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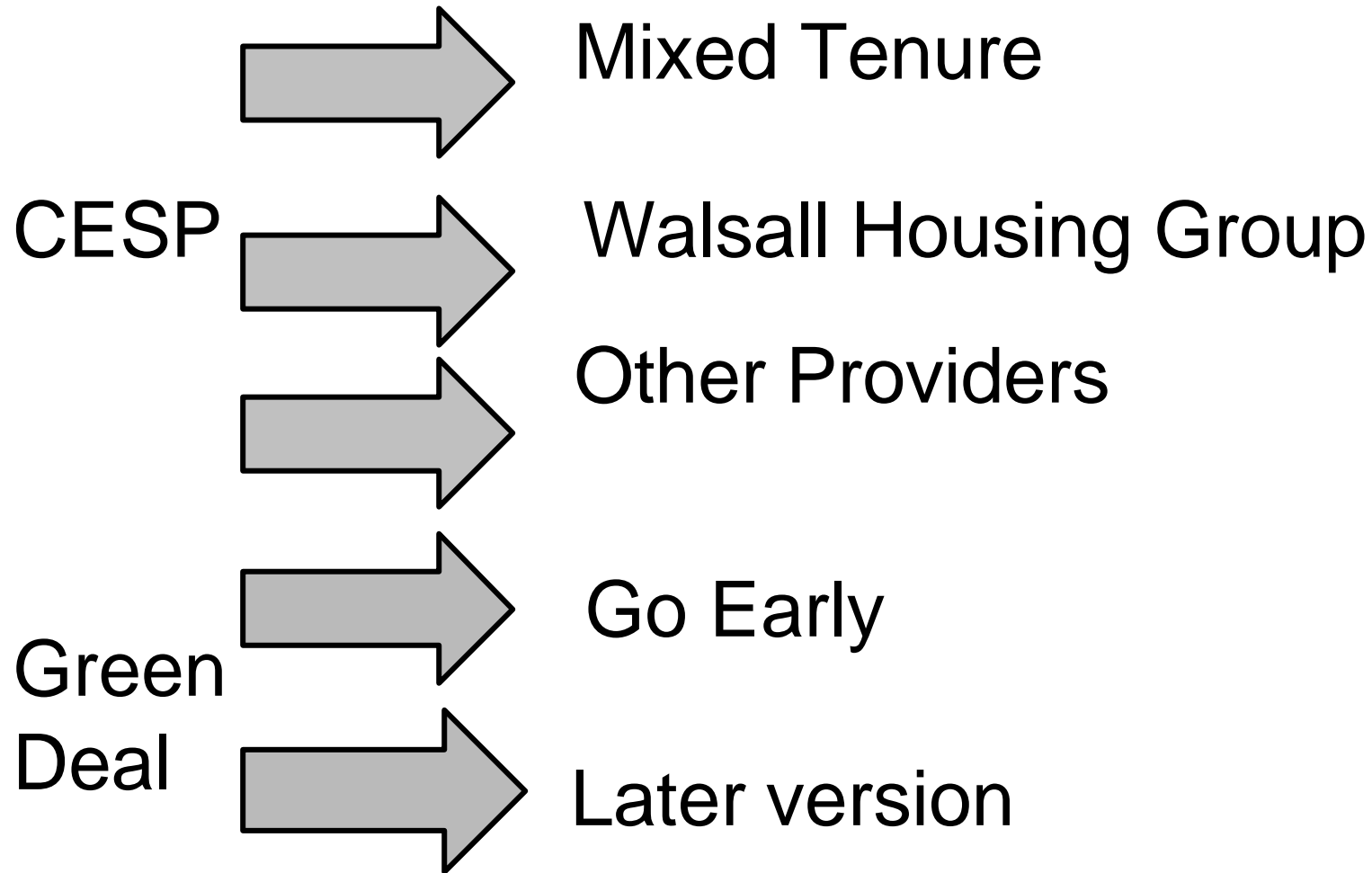
Current Application In Walsall

- Carbon Emissions Reduction Target (CERT)
- Community Energy Saving Programme(CESP)
- Health Through Warmth (HTW)



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Funding Opportunities



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Success to date

Homes Improved

	2009	2010
Health Through Warmth (HTW)	468	523
Community Energy Saving Programme (CESP)	nil	48*
Warmfront	1,306	1,360
Carbon Emissions Reduction Targets (CERT)	1200	578
Total	2,974	2,509

Total CESP 2010/11 expected to be 360 homes



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Opportunities

Green Deal:

20 Year programme - £7billion per year

Strictly Limited National Pilot Areas (Go Early)

Local Authority Involvement

Resource Implication (possible utility funding)

Energy Companies Obligation (ECO):

Target Vulnerable / Hard to Treat Homes

Local Authority knowledge required



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Conclusion

Major area of work to maximise the benefits for residents

- ★ Financial – tackling fuel poverty
- ★ Health ★ Well being
- ★ Carbon reductions
- ★ Improved fabric of homes



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Questions?