

Housing and Climate Change

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Housing and Regeneration



Context

- Long term housing policy interest in energy efficiency/social welfare/fuel poverty.
- Climate change now increasing a policy driver.
- Climate Change (Scotland) Act 2009
- 30% of emissions from housing.
- Housing expected to deliver at least pro-rata reduction.
- Use less energy – the energy that we do use should be low carbon
- Additional outcomes : fuel poverty, green jobs, lower bills, warmer homes.



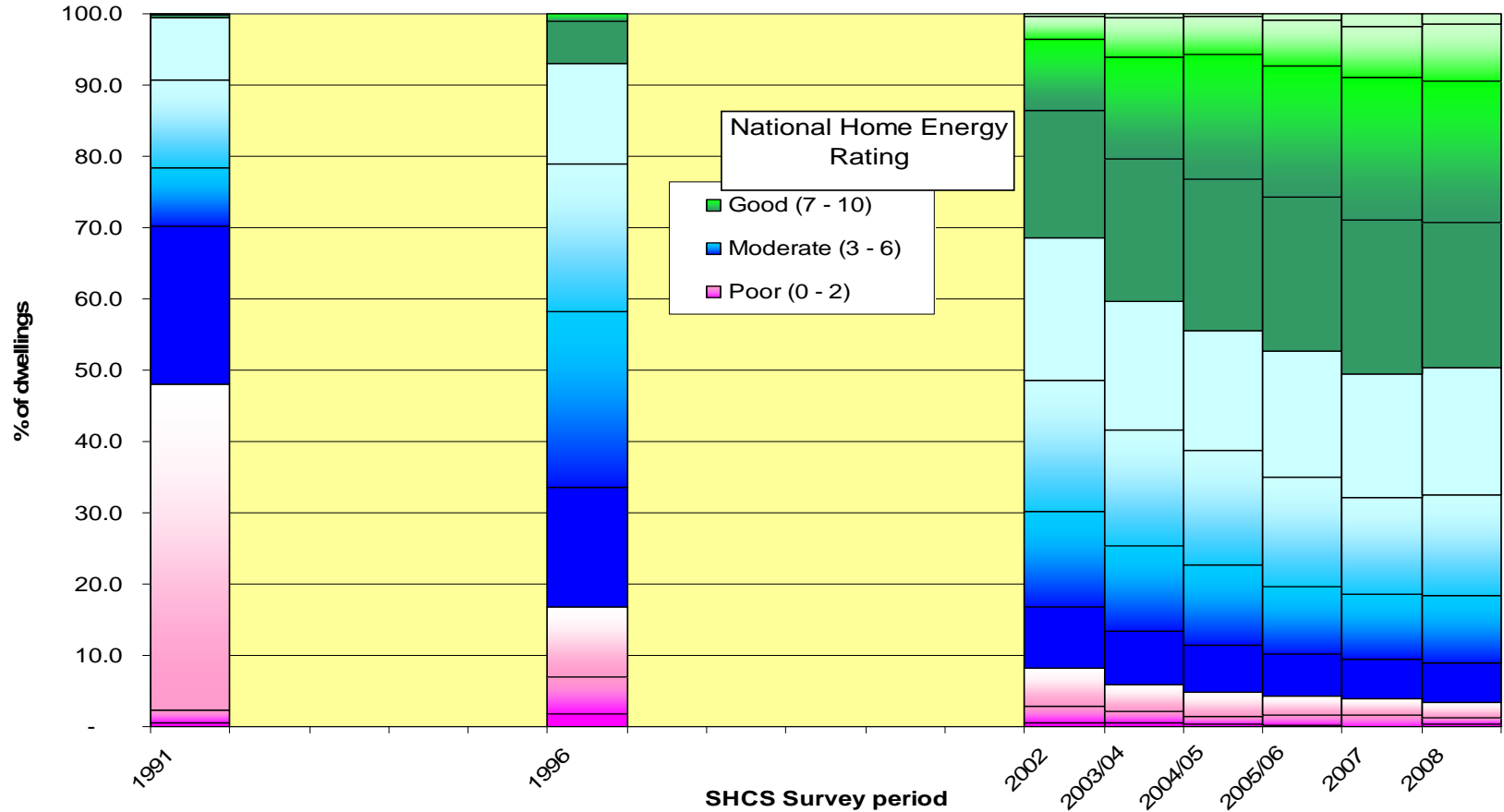
Climate Change Act 2009

- S.1 / 2 Scottish Ministers must ensure that emissions reduce by 42% by 2020 and 80% by 2050.
- S.44 Climate change duties. Public bodies must act in a way best calculated to contribute to delivery of emission targets and adaptation
- S.64 Enabling powers to compel owners / landlords to make energy efficiency improvements.
- S.65 Local councils must introduce council tax discount schemes for household energy efficiency

Greener new homes

- Sullivan Report – calls for zero carbon homes by 2016/17.
- SG commitment – review energy standards in building regulations every three years.
- Revised standards from October 2010.
- Building Standards-led approach – apply equally to private and social sector
- **KEY CHALLENGE : EXISTING HOMES**

% of dwellings by National Home Energy rating - SHCS 1996 - 2008



Energy Efficiency Action Plan – key messages

- Housing is more energy efficient than in the past, but a step-change is needed to meet targets.
- Start with the basics - insulating all lofts and cavities.
- However, virtually all dwellings will be affected, million of measures required, including low carbon equipment.
- Capital costs will be high, though long term savings.
- Estimate : £16bn cost to 2020. £7,000 per house.
- SG will seek to support those in fuel poverty, but able to pay households will need to invest or borrow to undertake work.



Energy Efficiency Action Plan – traditional and historic buildings

- Scottish Ministers, through Historic Scotland, encourage the energy efficient upgrading of such buildings
- Most traditional buildings can be made more energy efficiency without losing their character – though can be challenging
- Historic Scotland is undertaking a range of research
- Project partners include housing associations, local councils, National Trust for Scotland, Changeworks and Edinburgh World Heritage Trust
- Most cost-effective options – loft insulation, draught proofing, boiler replacements, use of blinds – do not require listed building consent.

Existing programmes....

Scottish Government advice & incentive programmes		UK Government/ Energy Supplier		Local Government / Landlord programmes	
Demand led	Area based	Demand led	Area based	Local council	Landlords
Energy Assistance Package, Energy Saving Scotland •Advice Centres •Home Loans, •Home Renewables Grant Energy Efficiency Design Awards	Home Insulation Scheme Climate Challenge Fund	CERT Feed in Tariff (FITs) Renewable Heat Incentive (RHI)	Community Energy Saving Programme (CESP)	Council tax discounts, Local insulation schemes	Private: Landlord accreditation scheme Social: Scottish Housing Quality Standard (SHQS)

Wider relevant Scottish Government policies

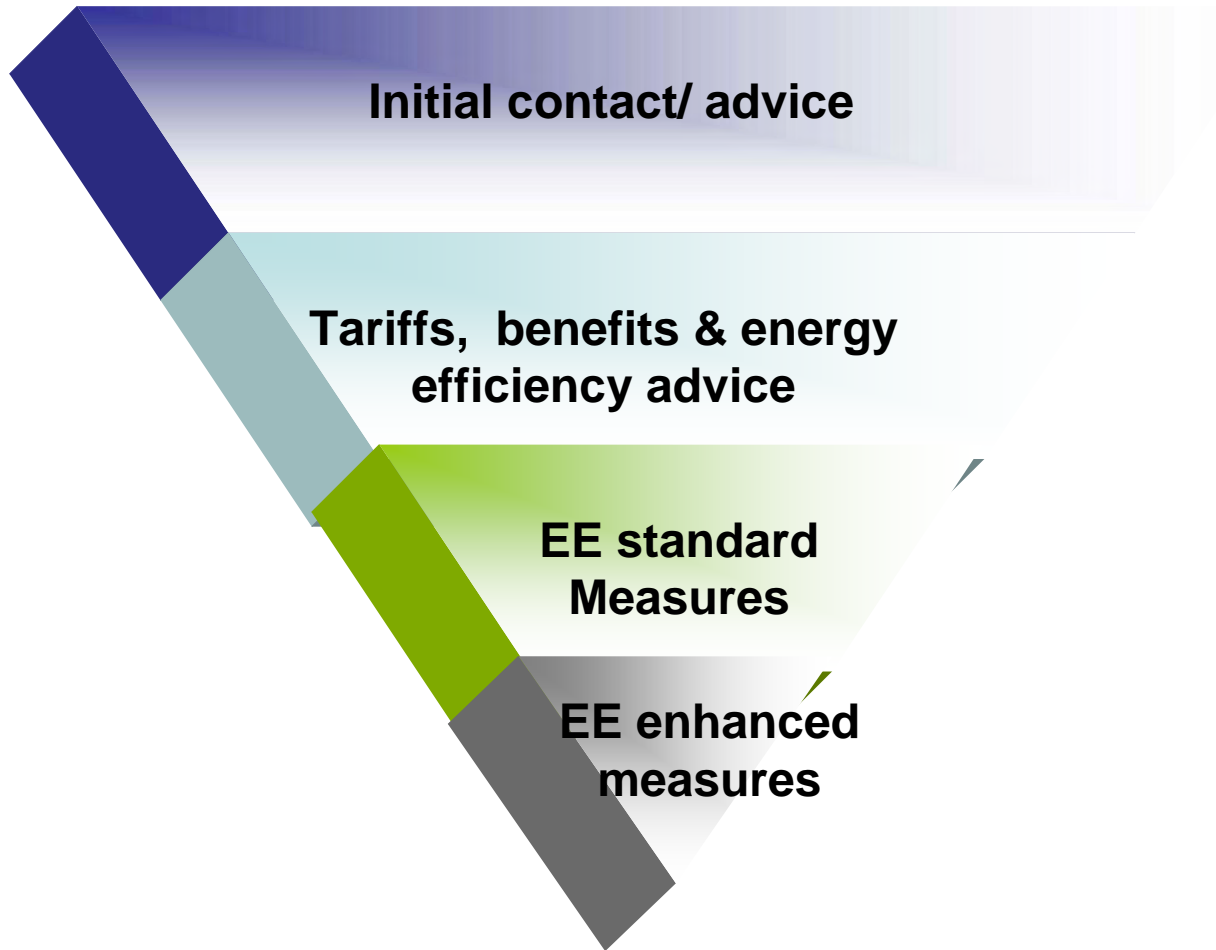
Building standards - new homes – plus extensions, Energy Performance Certificates



Supplier obligation : Carbon Emission Reduction Target (CERT)

- Supplier obligation policy is reserved to UK Government
- Key policy for Scotland – activity worth c. £100m per year.
- CERT Strategy Steering Group
- Programmes such as Energy Assistance Package and Home Insulation Scheme designed with CERT in mind.

Energy Assistance Package





Area-based schemes

- Home Insulation Scheme
(insulation, advice, benefit checks – large scale, whole towns).
- Climate Challenge Fund (community led - neighbourhood scale).
- Community Energy Saving Programme
(UK, intensive, multi-measure, whole house – small scale, c. 1,000 houses)

Home Insulation Scheme

- £15m p.a. Visits c. 100,000 homes in 10 areas.
- £10m for new universal scheme.
- Knocks on each door up to 3 times.
- Offers energy advice and benefit and tariff check to all (referred through to EAP where relevant)
- Offers energy audit and onward referral for loft or top-up insulation and cavity wall insulation where suitable.
- Free to CERT priority groups. Loft top-ups free to all. Small charge to “able to pay” households for “virgin” loft insulation and cavity wall
- Loans offered e.g. for renewables
- Enabling fund





Home Insulation Scheme



It's easy to stop wasting energy and money.

To act now, telephone 0800 512 012
or sign up online at
www.homeinsulationscheme.co.uk



Home Insulation Scheme



We have some great news. You live in an area which will benefit from the new Home Insulation Scheme. We want to make it easy for you to stop wasting energy in your home, reduce your fuel bills and save money.

The Home Insulation Scheme is Scottish Government funded and local authority endorsed, and is delivered by the Energy Saving Trust.



HIS – Edinburgh

- Covers Craigentiny & Duddingston (13,000)
- Delivery partners : Energy Saving Trust, City of Edinburgh Council, Changeworks, EAGA
- Door-knocking, online marketing, PR, branding
- Offer : Priority group – free; Non-priority : £99 cavity wall, £125 virgin loft; Loft top-ups – free
- Interest free loans for renewables, etc
- Early national outputs (up to 31/01/10):
29,761 HECs completed, 7,371 HIS insulation referrals, 2,388 EAP referrals



Looking to the future - technology and innovation

- Energy Efficiency Design Awards.

Link Group Housing Association – West Bridge Mill Combined Heat and Power: Retrofit for Affordable Warmth

The Housing Association plan to refurbish West Bridge Mill, a B listed former rope mill in Kirkcaldy. It has been converted into 16 separate flats for vulnerable young people. The mill has large windows, vaulted ceilings and solid walls and the young people currently face very high fuel bills and are in fuel poverty. The plan is to install insulation in the voids above the flats and a combined heat and power system connected to wet radiators. This will cut emissions of carbon dioxide by an estimated 65% or 2,878 tonnes over the lifetime of the project and eliminate fuel poverty for the residents.

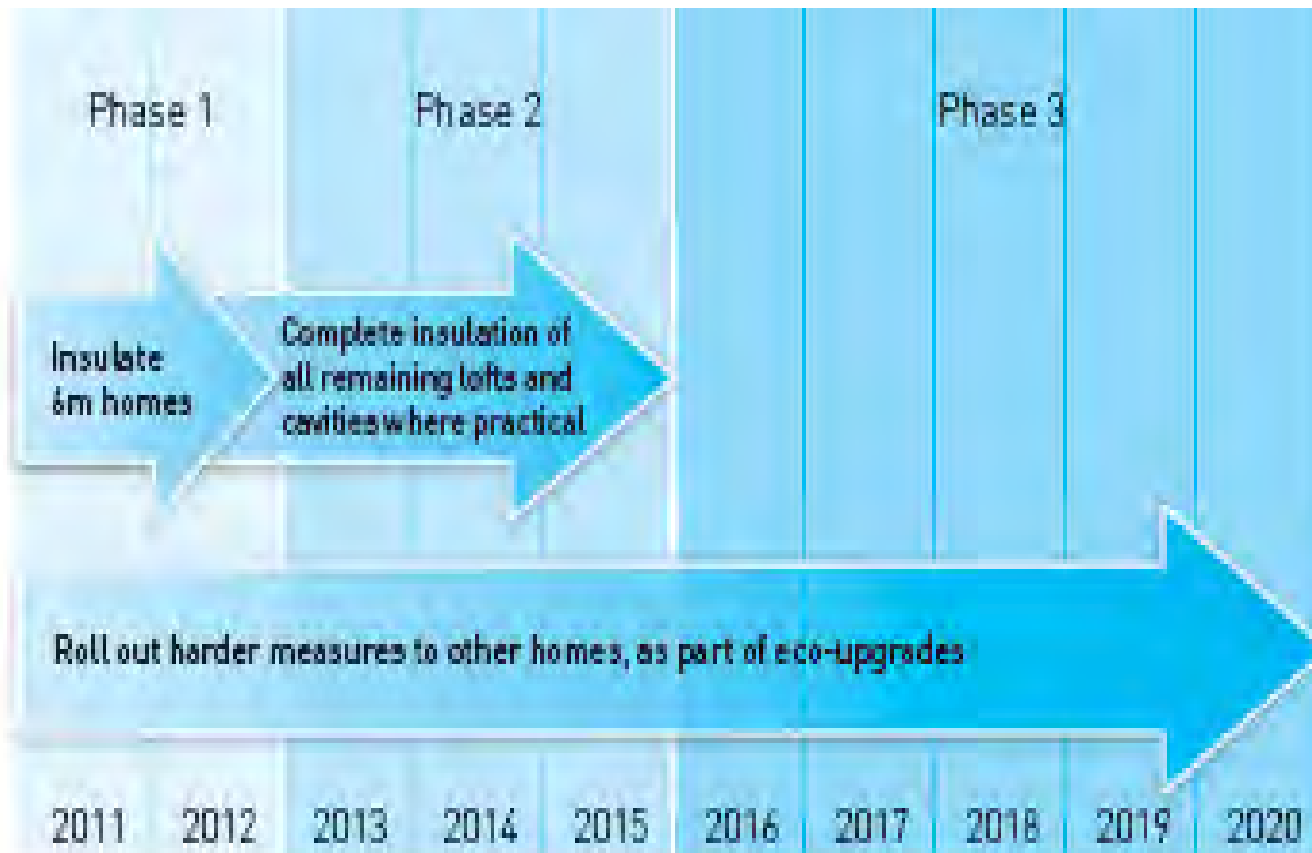
- Learning Network on energy efficiency :partnership with COSLA, SFHA, CIH, EVH, Scottish Housing Best Value Network, SHARE, Homes for Scotland and Energy Savings Trust



DECC – Household Energy Management Strategy

- Every home where practical to have loft and cavity wall insulation by 2015
- Up to 7m homes to have an eco-upgrade (equivalent to 30% of housing stock in Scotland)
- Warm Homes standard for social housing
- Finance : Future supplier obligation and pay as you save schemes
- Consultation on requirement for private rented homes to have loft and cavity wall insulation (from 2015 at the earliest)

HEMS – Phasing delivery





Focus on low cost insulation measures	More expensive, hard to treat, whole house
CERT	Future supplier obligations (HEMS – eco-upgrades); Community Energy Saving Programme
Home Insulation Scheme	Energy audits; Loans for renewables, solid wall, etc; referral to EAP
Energy Assistance Package	Stage 4 measures (heating systems)
Climate Challenge Fund	Energy Efficiency Design Awards
Scottish Housing Quality Standard	Potential for future standards

Energy Efficiency Action Plan – what needs to be done

- Housing agencies to build on action on climate change
- Maximise uptake of UK schemes like CERT and CESP. Influence design of future schemes.
- Look at options for standards in social housing.
- More work on options for regulation of private sector, for example, at point of sale/rent using new powers.
- Develop potential for district heating and CHP.
- Behaviour change.
- Roll-out of council tax discount schemes.
- Expansion of existing programmes such as Home Insulation Scheme.

Next Steps

- Local Housing Strategies
- Roll-out of Home Insulation Scheme
- Final Energy Efficiency Action Plan to be launched late Spring.
- Report on Policies and Proposals





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saving advice : 0800 512 012

