

WELCOME TO THE ENERGY EFFICIENCY WORKSHOP

PRESENTED BY

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OBJECTIVES OF THE WORKSHOP

- n For you to consider:
- n Where you fit into delivering this work
- n What you can take back with you to make your work easier
- n How you can exploit opportunities to promote energy efficiency as part of the Decent Homes Standard
- n What expertise is out there for you to utilise (save time by not reinventing the wheel)

SETTING THE CONTEXT

Decent Homes Standard – Criterion d

It provides a reasonable degree of thermal comfort

- n **Requires a dwelling to have both efficient heating and effective insulation**
- n **Heating sources which provide less energy efficient options fail the Standard.**
- n **A SAP rating of less than 35 is a proxy for the presence of a Category 1 hazard from excess cold.**

REGIONAL ACTIVITY – THE DOMESTIC ENERGY ALLIANCE

- n The DEA was formed in 2005
- n It comprises members from:
 - NEA – National Energy Action
 - HEON NW – Home Energy Officers Network NW
 - GONW – Govt Office North West
 - NWRA – NW Regional Assembly
 - NWDA – NW Development Agency
 - EEAC – Energy Efficiency Advice Centres NW
- n Funding assistance from EST – Energy Savings Trust

WHAT DEA ARE DOING

WE HAVE:

- n Canvassed the opinions of a broad range of interested parties across the region.
- n Defined the big issues, both on exemplars in practise and “brick wall” problems
- n Produced a Low Carbon Housing and Fuel Poverty Activity Plan
- n Taken responsibility for actions in the NWDA Climate Change Action Plan

WHAT DEA ARE DOING

WE HAVE:

- n Secured a seat on the NW Energy Council
- n Secured funding from EST and DTI to develop training on renewables, procure tools to target energy activity and develop IT based information sites
- n Taken the lead with EST to develop the tender for 3 Sustainable Energy Centres in the NW.

WHAT THIS CAN MEAN TO YOU

- n Your organisations are mainly already represented within DEA, HEON comprises LA and HA officers dealing with the energy agenda.
- n There is an opportunity to hook into the developing network through these channels or in your own right if you are not currently represented.
- n You can use it for information gathering and to seek exemplars in best practise and advice.
- n You will be able to use it to coordinate your activity on energy efficiency issues.

Income Details

Household Composition	Single Pensioner	Single Parent + two Children	Two Parents + five Children	Two Parents + one child
Status	Retired	No earned income	No earned income	Working Part Time
Benefit	£95-49 pension + Income Support £1-33	£190-23	£245-00	£189-84
Weekly Income	£12-63 private pension			£60-55
Total Weekly Income	£109-45	£190-23	£245-00	£250-39
	Plus CTB	Plus CTB	Plus CTB	
10 % of Annual Income	£569-14	£989-19	£1274-00	£1302-03

Heating Details

Element	Amount
Heating	£259.90
Hot Water	£156.83
Lights	£84.00
Appliances	£212.50
Cooking	£91.80
Total Energy Use	£805.03



End Terrace
Electric Fires and Portable Calor Gas Heaters
Electric Immersion Heater
No Insulation

Heating Details

Heating /Insulation	Electric Fires+ Immersion Heater	Electric Fires+ Immersion Heater+ 50mm Loft Ins	Storage Heaters + Immersion Heater + 50 mm Loft Ins	Storage Heaters + Immersion Heater + 50 mm Loft Ins + cyl insulation
SAP Rating	0	0	22	27
Space Heating Costs	£1,340.00	£1,054.00	£673.00	£613.00
Water Heating Costs	£488.00	£488.00	£285.00	£140.00
Sundry costs (Fans, Standing Charges etc)	£108.12	£63.00	£26.00	£146.00
Energy Use (SAP only)	£1,891.00	£1,605.00	£984.00	£899.00

Cost are for SAP only and do not include total fuel costs.

Heating Details

Heating /Insulation	Non Condensing Boiler + minimal controls + 50 mm Loft Ins + No Cyl Ins	Non Condensing Boiler + minimal controls + 50 mm Loft Ins + Cyl Ins	Non Condensing Boiler + controls + 50 mm Loft Ins + Cyl Ins + stat	Non Condensing Boiler +controls + 150 mm Loft Ins + Cyl Ins + stat	Non Condensing Boiler + controls + 300 mm Loft Ins + Cyl Ins + stat	Condensing Boiler + minimal controls + 300 mm Loft Ins + Cyl Ins + stat + CWI
SAP Rating	28	35	44	46	46	60
Space Heating Costs	£528.00	£536.00	£457.00	£435.00	£427.00	£275.00
Water Heating Costs	£240.00	£109.00	£75.00	£75.00	£75.00	£75.00
Sundry costs (Fans, Standing Charges etc)	£109.00	£108.00	£104.00	£104.00	£105.00	£104.00
Energy Use (SAP only)	£877.00	£753.00	£636.00	£614.00	£607.00	£454.00

Cost are for SAP only and do not include total fuel costs.

Does the standard provide adequate levels of thermal comfort

No

Things to Consider

- n Set a standard
- n Housing Corp SAP 56-70 for refurb.
- n Partnership
- n PCT – [www.shu.ac.uk/cresr/downloads/publications/13-SDH_HIA_report%20\(8\).pdf](http://www.shu.ac.uk/cresr/downloads/publications/13-SDH_HIA_report%20(8).pdf)
- n Director of Public Health – stuart.pye@blackburn.gov.uk
- n SEN

Food for Thought

- n Identify the scale of the problem
- n Look at existing programmes and funding
- n Prioritise action & develop a plan / policy
- n Holistic approach
- n Can be dealt with in isolation

Nos in thousands	thermal comfort	repair	fitness	modern services	non-decent	decent	all
owner	3,001	1,093	563	179	4,066	11,213	15,279
private rent	697	334	229	96	994	1,340	2,334
private	3,698	1,427	792	276	5,060	12,553	17,613

CHALLENGES FOR YOU TO CONSIDER

- n Where do you fit into the energy efficiency picture?
- n What problems are you facing on this work?
- n What can you take back from today's workshop?
- n What could NW networking do for you?
- n Consider funding sources:
 - Warm Front
 - Energy Efficiency Commitment - energy suppliers
 - Affordable Warmth
 - Warm Zones – potential EEC funding
 - LAAs – positive content and Reward targets