

Does your house look like the one in the picture?



Then turn overleaf to find the energy results of this typical home

If it doesn't look like your home, then pass this card on to someone you know!

Sharing local knowledge

Property case-study 2

Pre-1919 Semi-detached On Mains Gas



Property Type

End terrace , pre-1919 house with seven rooms, on gas grid. It has double glazed windows and the loft is well insulated. The house has solid granite walls.

Heating Type

A modern condensing (efficient) gas boiler with timer programmer and radiators with thermostatic radiator valve controls. There is a wood stove for backup heating, and solar water heating panels.

Typical energy usage

Lighting/appliances £610 pa
Heating/hot water £2,800 pa

What to do next?

Contact CEP for more energy information about your home:
www.cep.org.uk/
Or call on 01209 614975

www.falenergy.org.uk

Behavioural recommendations (Cheap Option)

Install low energy lights throughout the house and use the garden to dry clothes, not using the tumble drier saves £100 per year.

Install an energy monitor: really useful when there are children in the house as it helps to involve them in learning to switch off all electrical appliances and lights when not in use. This can reduce electricity bills by 25%

Increase insulation on the hot water cylinder, saves £35 per year. Turn the hot water tank immersion heater thermostat down to below 60°C and switch it off in sunny weather. Install the temperature sensor in a visible position for the hot tank to show when there is enough solar hot water.

Upgrade the boiler controls to include temperature sensing and day of week programmes (Costs £400, saves £45 per year). Place insulating mats behind all radiators - this reflects heat into the room, ensuring more heat into the room (£15/radiator - can saved 10% of heating costs).

Heating (When it needs to be replaced)

Install an unheated conservatory on the south side, covering most of this empty wall. Costs range up from around £12,000 depending on size and quality, with air vents and solar powered air fans hot air can provide around 40% of the winter heating needs of the house, saving over £600 per year in gas bills and creating more living space.

Housing and Insulation (For future investment)

Internal wall insulation can cost between £5,500-£8,500 depending on type added and how the property was then redecorated. Saving the household up to £450 per year. External wall insulation costs between £9,400-£13,000, depending upon the type of insulation used, and save £500 per year for similar savings.