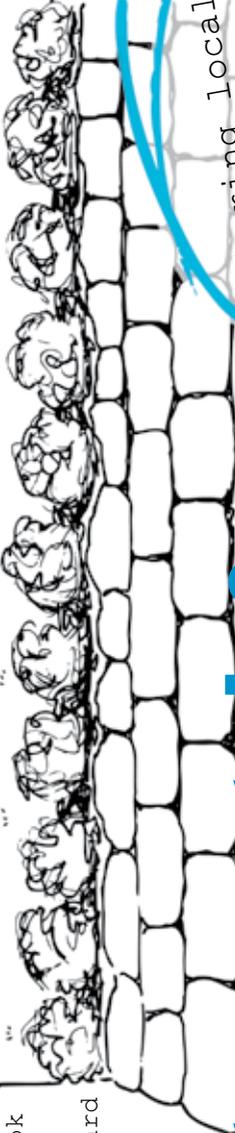


Then turn overleaf to find the energy results of this typical home

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

Does your house look like the one in the picture?



Sharing local knowledge

Property case-study 3

1965-75 Detached On Mains Gas

Property Type

Detached bungalow built 1965-75, on gas, with five rooms. It has double glazed windows and the loft is insulated to 250mm depth. The house was built with cavity walls which have been filled. There is a small conservatory. All the lighting is low energy.

Heating Type

A gas boiler with timer programmer, room thermostat and radiators with thermostatic radiator valve controls.

Typical energy usage

Lighting/appliances £620 pa
Heating/hot water £740 pa
£2,800 per annum

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 an energy monitor: to encourage learning to switch off all electrical appliances and lights when not in use. This can reduce electricity bills by 25%, saves £155 per year.

Upgrade the boiler controls (£400, saves £45 per year).

Install insulating mats behind all radiators - this reflects heat into the room and insulates outside walls a little, ensuring more heat reflected back into the room(£15/radiator- can saved 10% of heating costs).

Use the garden to dry clothes, when the weather is clear not the tumble drier saves approx. £100 per year.

Heating (When it needs to be replaced)

Install evacuated solar tubes on the south facing section of roof, costing around £4,200 to install. This saves on hot water and space heating costs. The new Renewable Heat Incentive will provide a payment for the heat generated, which improves the payback on this investment to around 6-8 years.

Install a wood pellet burner to provide space heating and hot water - modern pellet burner. They only need filling every 5-7 days. With only fortnightly ash removal required, they are easy to look after and with electronic ignition they are automatic. This would cost £4-8,000 to install depending on the degree of automation. With the expected Renewable Heat Incentive payments in 2012/13, the payback should be reduced to around 6-9 years and provide security against rising gas prices.

Housing and Insulation (For future investment)

When floors are being replaced, it is advisable to install underfloor insulation, reducing heating costs. Can be combined with the installation of underfloor heating which can reduce space heating costs by around 20%.