

Green Homes Sheffield Host

Further information

Host address:	95 Edgedale Road Sheffield S7 2BR
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More information about this home

This semi-detached, 1930s property has been renovated to increase its heat retaining ability. This has involved installing insulation in cavity walls, under floors and in the loft. The renewable energy technologies installed include PV, solar thermal and a wood stove. Other energy saving measures include the use of low energy lighting, and the installation of double glazing.

The energy saving improvements combined to produce a 79% carbon reduction, significantly reduced bills and generally a much warmer and more energy efficient house.

Low carbon measures on show



Low-cost improvements:

- Cavity wall insulation using Polyurethane injected foam
- Underfloor insulation in extension, hall and sitting room (Rockwool insulation between the joists under the floor)
- Loft insulation using Rockwool



Glazing: New double glazing to kitchen, bathroom, sitting room and two bedrooms (Pilkington k)



Lighting systems and electrical appliances: Low energy lighting



High spec heating: Condensing boiler with thermostatic controls, fan coil radiators operate at low temperatures



Renewable heat: 5 Evacuated solar thermal tube panels (4.5kWp) added for hot water and heating contribution including 1000 litre heat store and fan coil radiators (to operate at lower temperatures). The solar thermal has approx max 4.5kw output (gas boiler used for back up). A wood burning stove is also used.



Renewable electricity: 2.5 kWp Photovoltaic system added

Further info:

After actively seeking a property which could be environmentally retrofitted, the house was purchased in 2011 and occupied in 2012 after initial work had been carried out.

