

Green Homes Sheffield Host

Further information

Host address:	31 Rossington Road Hunters Bar S11 8SA
---------------	--










More information about this home

Large Edwardian mid-terrace retaining many original features.

Fuel costs £100/month. Have reduced gas consumption by two thirds over last five years (our bills have remained constant as prices have increased).

Removal of draughts has increased comfort levels, enabling us to turn the thermostat down to 16deg. Extra warmth for evening relaxation provided by multi-fuel stove burning mainly scrap wood.

Low carbon measures on show

-  **Low-cost improvements:** Draught proofing, multi zone heating
-  **'Big' insulation works:** Full high-spec attic conversion
-  **Glazing:** Refurbished triple-glazed sash windows utilizing existing frames and retaining appearance from street
-  **Lighting systems and electrical appliances:** currently converting low-energy lighting to LEDs
-  **High spec heating:** condensing boiler, single room heat recovery fan
-  **Renewable heat:** solar hot water
-  **Renewable electricity:** e.g. solar PV, micro hydro, small scale wind
-  **Sustainable building materials:** e.g. use of reclaimed wood wherever possible
-  **Lifestyle changes:** zero-waste and low-input garden including home-made potting compost. No car. Vegetarian. Nearly all local shopping. No air travel with European rail travel experience

Personal insights

All work DIY so lots of experience on what works and does not work, pitfalls, problems etc.

The full attic conversion was extremely messy due to revealing 100 years of soot and dirt, but well worth it to obtain improved comfort levels as well as reduced consumption.



The triple-glazed sash window conversion using existing frames may be of interest, but this is high labour cost in exchange for full re-use of old materials.

Issues surrounding comfort levels may be of interest - down draughts from very large bay windows combined with cold floor surface still need to be addressed.

Full plan to continue retro-fit over next ten years, including internal and external wall insulation, underfloor insulation with heating, full triple glazing, double exterior doors, air-source heat pump, heat recovery ventilation.

