

25 Lyndhurst Road, Hove BN3 6FB



Overview

Age/period of house:	1910
Type:	Terraced
Years in residence:	9
No of bedrooms:	4
No of other rooms:	4
No of floors:	3
Wall type:	Solid

Keywords

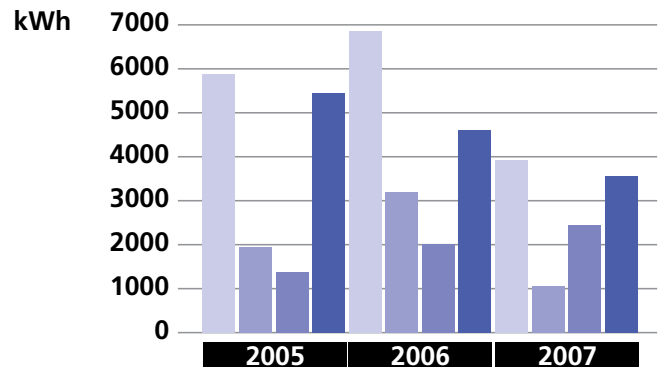
- + solar thermal
- + insulation

Introduction and energy efficiency measures

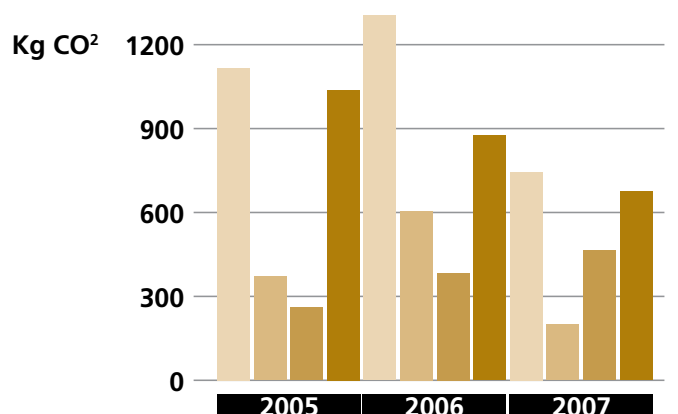
When Steve and Tanya moved into their Edwardian terraced house in Hove it was cold and damp with the flat-roofed back extension especially prone to cold and condensation. They had a new central heating boiler fitted and added thermostatic radiator valves on all the radiators, they also highly insulated the flat roof of the extension and now the damp problem no longer exists and it is much warmer in that part of the house.

When Tanya and Steve decided to build a loft extension to expand the space for their family and visitors, they felt this was the ideal time to install solar water heating. With the help of a council grant, Southern Solar installed their system in May 2007. They have seen their gas use drop by 30% and didn't need to use their gas boiler for water heating until October!

Quarterly gas use



CO² emissions from gas use



Features

Renewable energy

There is a Thermomax DF100 solar thermal system, which is a 20-tube array. On average such a system would produce 1500 kWh of hot water, around half used in a house over the course of a year and this enables Steve and Tanya to turn off the heating and hot water system between April and October. The hot water is stored in a standard twin coil hot water tank.

Future improvements planned

Would like to install photovoltaics to reduce mains electricity use.

What was difficult?

The solar thermal panel had to be sited so as not to be seen from the highway and an anti seagull measure had to be devised as they kept pecking off the insulations on the plumbing pipes to the roof!

Professional contacts

Southern Solar – www.southernsolar.co.uk

Grants

Low Carbon Buildings Program – <http://www.lowcarbonbuildings.org.uk/home>

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