

Property Information Sheet



Name and Address

Howard and Hilary
 "Wilderness"
 Church Lane
 Little Wenlock
 Telford
 TF6 5BD

Property Description

Brick with cavity walls, pitched tiled roof.
 Built circa 1970
 No mains gas.
 Original oil boiler when we moved in (1983)

What changes have you made to your home?

- 1984 Cavity wall insulation (foam)
- 1988 Loft conversion to 4th bedroom
- 1990 Replaced wooden windows with plastic double glazed
- 2005 Fitted Clearview log stove into lounge open fireplace
- 2008 Fitted B&Q wind turbine April 2008, removed Aug 2009.
- 2010 Replaced oil boiler with Clearview Log stove in kitchen plus solar thermal plus thermal store. Retro fitted back boilers to both log stoves and piped into the thermal store. Under RHI grant
- 2011 Fitted 4kw PV on roof. Including Immersun smart switch for the immersion heater. Started receiving maximum feed in tariff.
- 2015 Fitted direct electric water heater to the CH system to use if we were unable or too old to burn the log stoves. So at that point. in the summer, hot water came from the solar PV and solar thermal. In the winter heating and hot water came from the 2 log stoves. Backed up by direct electric, only used occasionally, very expensive to run!!
- 2020 March Purchase EV Renault Zoe with Zappi smart charger linked to the solar.
- 2020 Aug fitted 4kW energy storage batteries (half price deal with Ecotricity)
- 2021 Fitted heat pump for the central heating only. Removed the direct electric water heater. RHI grant. Continue with solar and log stoves for hot water.

Why did you make these changes?

My wife was an Energy Adviser for Telford and Wrekin
 As an example of what could be done over the long term.
 Reduce our carbon footprint
 Take advantage of government grants.
 To make our home the greenest in Shropshire!!
 Virtually zero carbon as our electricity comes from Ecotricity
 We are now a fully electric house from being fossil fuel 15 years ago.

Shropshire Green Doors 2023



What were the approximate costs?

A lot! But being on the Feed in Tariff since day 1 has been a great help in financing stuff since.

What have been the approximate energy savings?

We have been keeping monthly meter readings since year 2000. Recorded on a large spreadsheet but single page summary available if required. This shows annual usage from the mains and PV generated, real numbers, table and/or graphs. We are now fully electric house with an electric car so our electricity usage is much higher than it was but our carbon footprint is lower

What have been the effects on your home?

All good.
We have become a bit of a show-case in our village.
Greenest in Shropshire???

Who undertook the work?

Quality contractors, generally.

Would you recommend them?

One definitely!!
Some a bit iffy

What else would you like to do? And why haven't you done them yet?

I think we have done everything now.

Have you considered any measures but rejected them? Please give details of what and why.

We fitted the B&Q wind turbine when they were available but got it removed after a year. The performance was nothing like what was predicted. And the neighbours were worried it might bring the end of the house down in a storm!

Do you have any further comments?

Are there any access issues? Eg steep steps, lack of parking.