

## Property Information Sheet



### Name and Address

Angela  
Evergreen  
Ford Heath  
Shrewsbury  
SY5 9GG

### Property Description

Detached bungalow with a half-acre paddock. Prior to buying the property in June 2021 it had been extensively refurbished and extended. There's cavity wall insulation and 300mm of loft insulation.

### What changes have you made to your home?

Having moved into a property very suitable for a ground source heat pump we had one installed. A NIBE S1255 all in one cylinder and heat pump unit that fits nicely into the previous airing cupboard. We had underfloor heating fitted, opting for tiled flooring throughout the property to enhance the efficiency of the heating. This came at no loss of height in any of the rooms as the installer routed out channels for the heating pipes within the existing floors. Both these installations took roughly a month to complete in October 2021.

In August 2022 we had 2.7kWp solar PV panels installed in the south and west facing parts of our roof. The PV system is an in-roof system as we have slate tiles on our roof.

In March 2023 we replaced the oldest double glazing in the property with triple glazed windows.

### Why did you make these changes?

All the work undertaken has been to future-proof our home and to make a personal contribution towards reversing climate change.

### What were the approximate costs?

Solar PV panels cost £5,000 and the ground source heat pump cost £23,000 after deduction of the Boiler Upgrade Scheme grant.

### What have been the approximate energy savings?

The solar PV generated 2.6 MWh in the past 12 months (Sep '22 – Aug '23), of which 1.454 MWh was exported. We receive 15p per kWh from Octopus for any power we export.



### Property Information Sheet continued...

What have been the effects on your home?

The bungalow has stayed very warm with plenty of hot water even through the coldest part of winter. Even in the coldest weather our electricity usage has not been excessive. We are surprised with how much power the solar PV panels generate on sunny days.

Who undertook the work?

Having got several quotations, Telford based family company Wilson Plumbing & Heating (WPH) installed the ground source heat pump. For the underfloor heating, WPH sub-contracted the work to JK Flooring. Shrewsbury based Go Green Systems installed the solar PV panels.

Would you recommend them?

Yes. We were particularly delighted with the expertise and considerate approach of WPH and JK Flooring.

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

Regarding solar, we are considering whether to go for a battery to store the excess production for use later in the day. We just need to get some up-to-date prices and technical details for the batteries. We wish to replace the rest of the glazing in a few years' time when funds become available.

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

Do you have any further comments?

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

Plenty of parking space on the driveway.