

Electrifying everything. One year on.

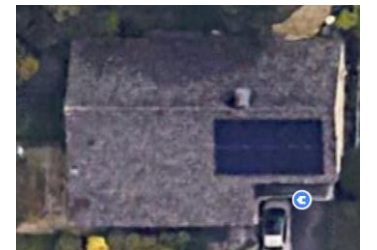
Go Green Widcombe

Adrian McDonald

5 November 2025

Our house

- Bungalow built in 1965 with cavity walls & Critall windows.
- Improvements we made before the heat pump.
 - Double glazing
 - Loft insulation
 - Solar panels with battery storage
 - Cavity wall installation
- What we changed at around the time of installing the heat pump
 - Induction hob replacing a gas hob
 - Replacing a diesel car with an EV

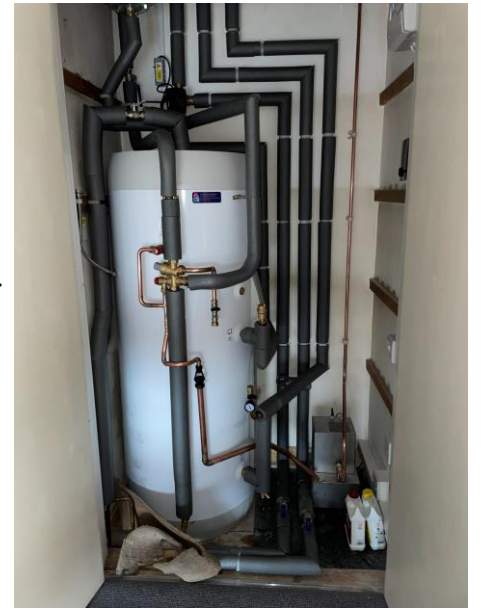


Heat pump installation

- Why?
 - Mainly for our children and the future generations
- Why Octopus to do the installation?
 - It was difficult to engage with other suppliers locally.
 - Octopus were (fairly) responsive, straightforward in their proposal and offered a reasonable quote.
- When
 - The first full week in January 2025.
 - It was a freezing week!

On the day

- How long did it take?
 - Gareth and his team were with us for most of the week. They started on Monday and we had the heating on by Friday.
- What was replaced?
 - The gas meter was taken out.
 - The old gas boiler & hot water tank were removed.
 - The new 250L hot water storage tank was fitted in the airing cupboard.



On the day

- What was replaced?
 - 9 new radiators were installed in place of existing radiators (minimal disturbance to existing pipework).
 - The 11kW Daikin heat pump was installed in the garden



Living with the heat pump this year

- We are on the Octopus Intelligent Go tariff (optimised for EV charging).
 - This gives us 6 hours of lower cost electricity for the whole house overnight.
 - We heat the water, run dishwasher and washing machine overnight.
 - We charge the solar batteries overnight.
- We keep the house warmer overnight than we did in the past but daytime is similar.
 - Even on the coldest days the heat pump has kept us warm
 - The hot water usually lasts the whole day without needing to reheat but, it's quick to do so if needed.

Energy consumption and costs

- Installation cost
 - £10900 (£3400 after £7500 BUS Grant)
- Comparing energy bills Jan-Oct 2024 to same period in 2025
 - Our total energy consumption (kWh) has dropped by 52%
 - 11070 kWh → 5333 kWh
 - Our total energy cost has fallen by 49%
 - £1256 → £646
 - The 2025 figures include EV charging!