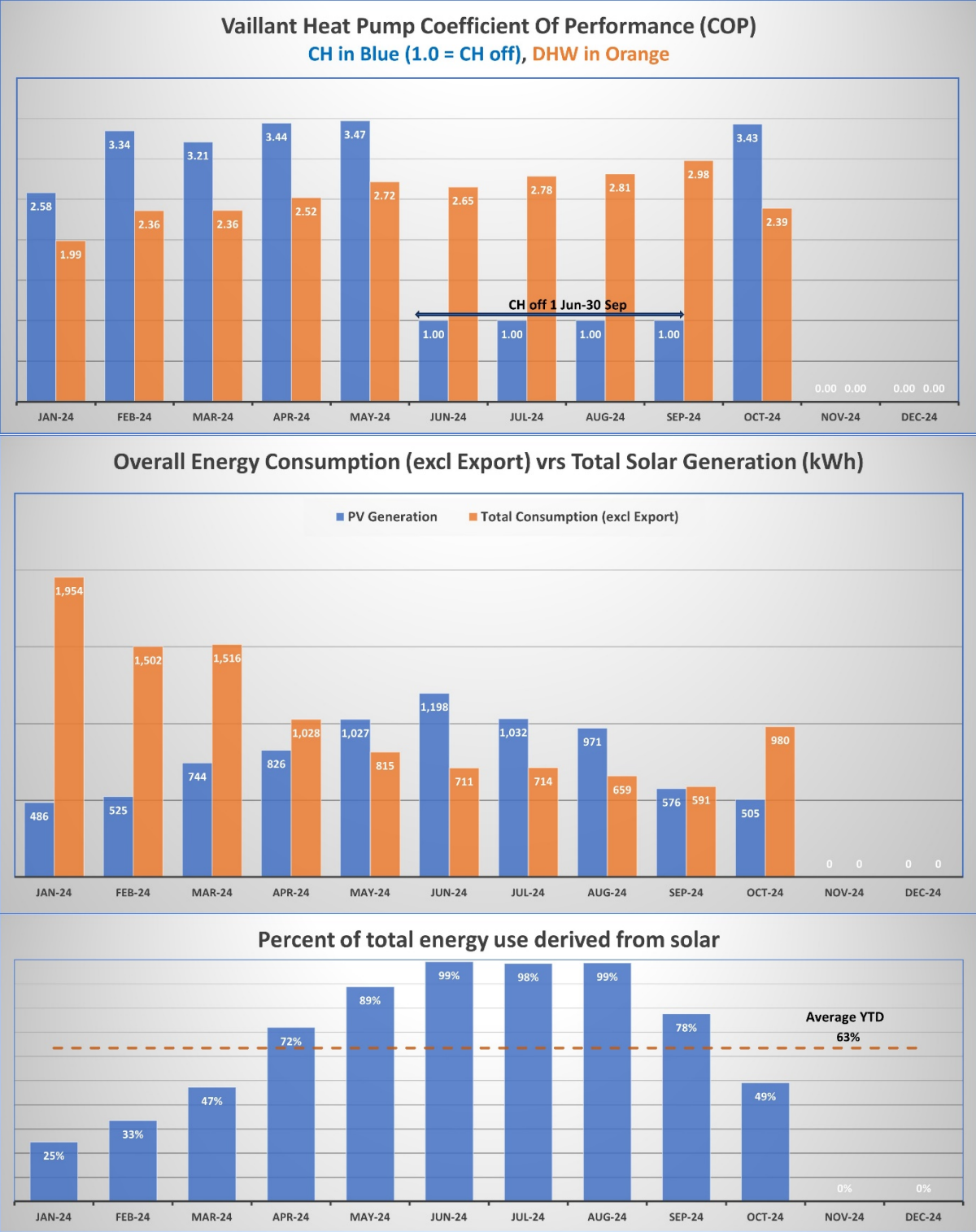


A Complete Home Energy Upgrade 2022-24

- All 1995 double glazed **windows** upgraded to modern uPVC double glazed, with some triple glazed
- The overall **thermal characteristics of the house were measured** over a 24 hour period by Veritherm to allow for proper design of the upgrade project
- **Loft insulation** upgraded to 270mm thick
- All **radiators upgraded**, pipework not done – too difficult
- **New hot water circulating system** with balanced H&C water pressure
- A **7kW air source heat pump installed**, and **gas boiler removed**. Gas supply to house removed
- Existing 10 **solar panels upgraded** to a total of 29 panel with total power of 10kWp
- All **lights upgraded** to LED from halogen
- **2 x 5kW inverters** (Solax and Myenergi Libbi) installed, and total of **6 batteries** (in total 32kWh) installed
- VW ID.3 **EV purchased** and charged by Myenergi Zappi 7kW charger
- **Changed tariff** to the Octopus ‘Intelligent Octopus Go’
- **Power/energy metering system** and **weather monitoring system** installed
- Main services relocated to a “**Services Room**” in the loft

Average grid power costs £71 per month

Current savings 1.67t CO₂ in 2024 YTD



This home will be open to visitors as part of SusWoT's Green Open Homes initiative in January 2025.

