

# 1930's Oxford Terraced House

## Actions Taken

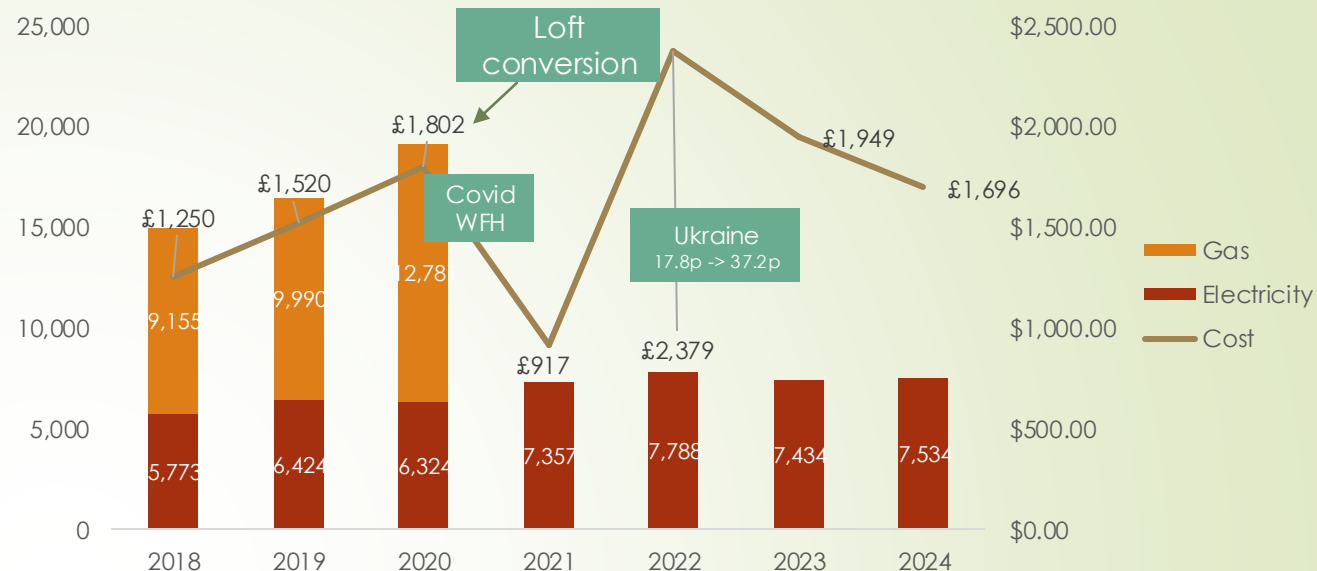
- Smart energy controls – 2014
- LED bulbs – 2014
- Solar PV (2kWp) – Apr 2015 – Nov 2020
- Modern loft conversion w/ triple glazing – Mar 2021
- External Wall Insulation (Material: EPS) – Mar 2021
- Air Source Heat Pump (ASHP) + radiator upgrade – Jun 2021 (RHI)
- Triple glazing on full North facing wall - Jan 2023
- Wet underfloor heating throughout ground floor – Mar 2025
- Rebuilt rear extension – Mar 2025

## Notes on energy profile

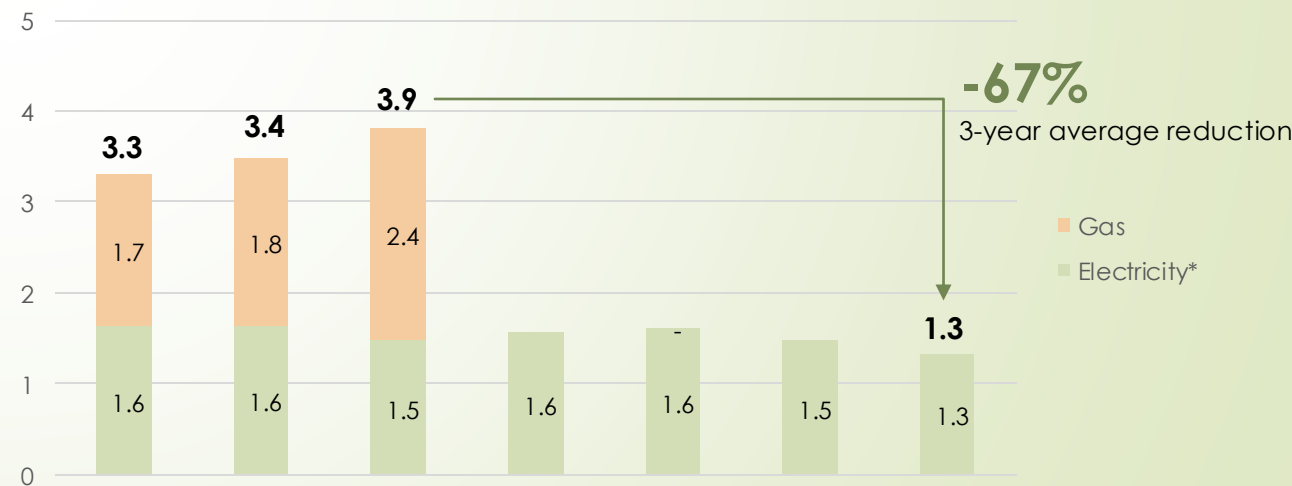
- All energy covers the winter period for the reference year
- Electric vehicle charging included in consumption – Oct 2016 installation
- 20C daytime, 18C overnight (15C before ASHP)
- Electric immersion hot water cylinder replaced with ASHP
- 2020 loft conversion construction in winter resulted in significant heat loss
- Suspended timber ground floor, no insulation, until Mar 2025
- Garden room used for work uses underfloor electric heating



## Household Energy Use (kWh) and Cost (GBP)



## Household Energy Footprint (tonnes CO2e)



\*Octopus 'green' tariff, theoretically zero impact

UK electricity grid decarbonisation responsible for recent drop in emissions.