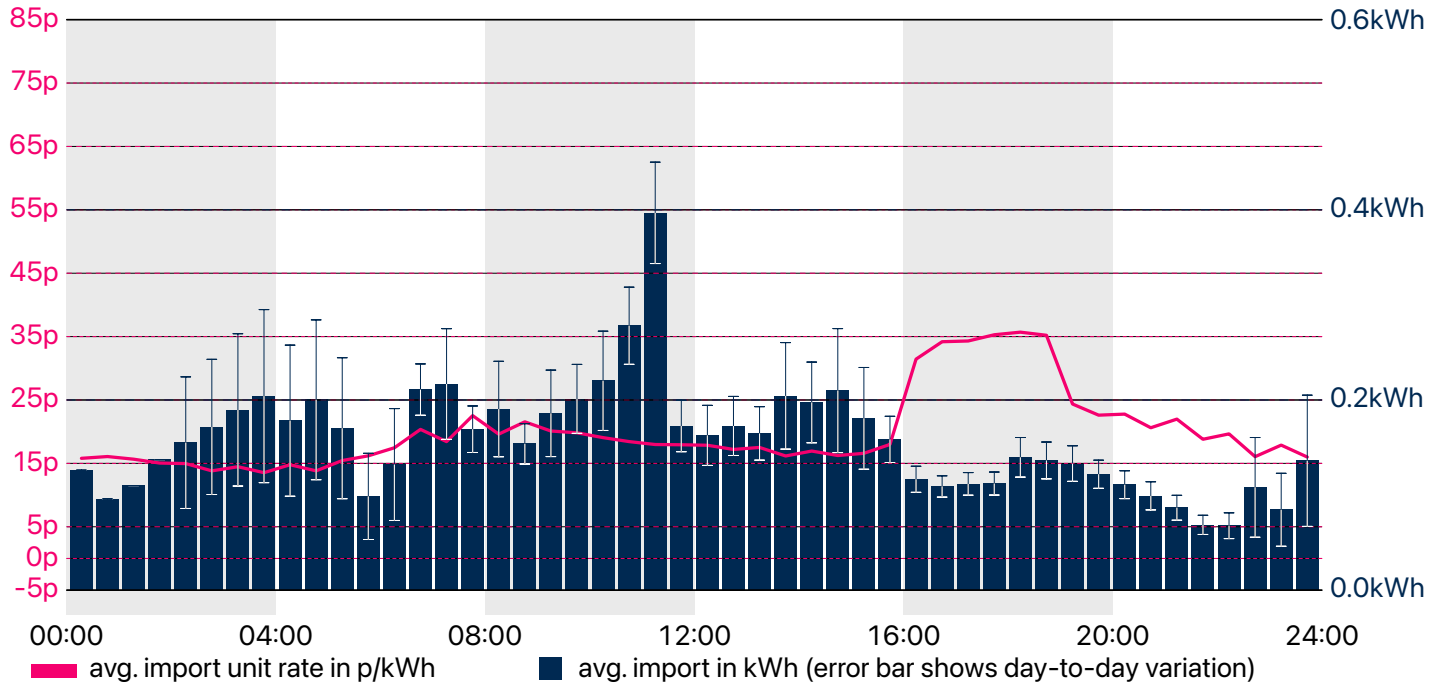
OctopusWatch energy report

1st Mar 2023 – 29th Feb 2024 (366 days)

Your **total electricity cost** is **£625.60** inc 5% VAT, or £1.71 a day.
The unit consumption cost is £444.53 inc VAT.
The standing charge cost is £181.08 inc VAT.

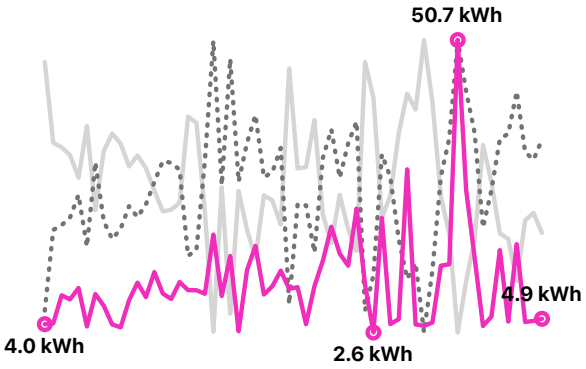


Your electricity **usage** is **GOING UP** during this period.
Your electricity **cost** is **GOING DOWN** during this period.

You have a **total consumption** of **2766.8kWh**, or 7.6kWh a day.
Your average **unit rate** is **16.07p/kWh**, or £1.21 a day.
Your average **factual unit rate** is **22.61p/kWh** (includes your standing charge).
Your average **standing charge** is **49.48p/day**.

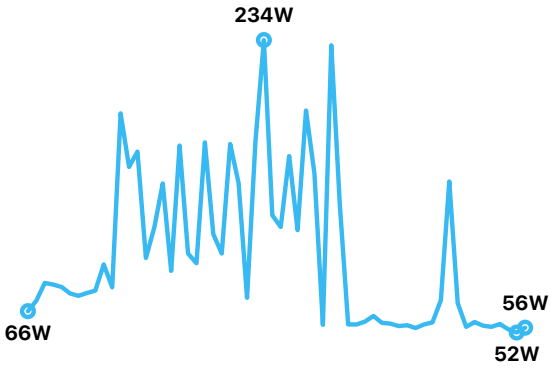
Your **national carbon footprint** is **365.95kgCO2**, or 149gCO2/kWh.
Your **regional carbon footprint** is **68.84kgCO2**, or 30gCO2/kWh.
Both the national carbon footprint (across Great Britain) as well as your regional footprint (for your distribution area) is calculated. An average value between 0-59gCO2/kWh is very low, 60-159gCO2/kWh is low, 160-259gCO2/kWh is average, 260-359gCO2/kWh is high, and 360gCO2/kWh or more is very high. You can improve your carbon footprint by avoiding peak hours, reducing your base load, and planning consumption when carbon intensity on the grid is the lowest.

Your estimated **base load** is **73W**, totalling **643.4kWh**.
This is an estimate of the amount of electricity used when you are not actively using anything. This includes devices that are kept running all the time such as routers and fridges, smart lights, standby power for plugged in appliances, etc. An average home has a base load of 105–120W. Lowering your base load can make a big impact on your electricity cost and can be as simple as turning a device off at the socket when not in use.



Your electricity usage has been **GOING UP**, and **closely follows** your tariff prices.

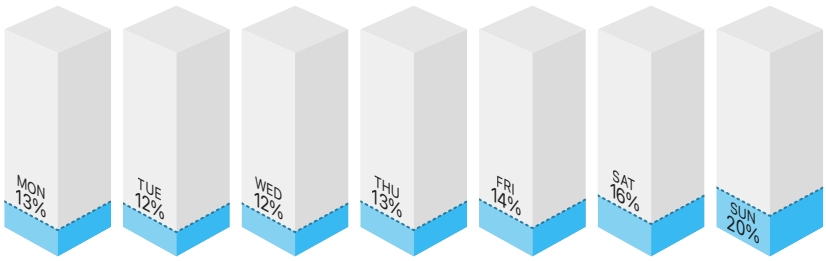
the average household in the UK has a daily electricity use of 10.2kWh



Your base load has been **GOING DOWN**, averaging at **73W** or **1.8 kWh/day**.

the average base load for a household in the UK is between 105–120W

Your usage **throughout the week**, and how your weekend usage compares to weekdays.

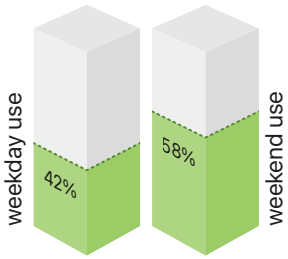


Through load shifting, you **saved 54.1kgCO2**, the same as **2.6 trees**!

compared to national CO2, assuming a grown tree absorbs 21kgCO2/year

Your **peak and off-peak ratios**.

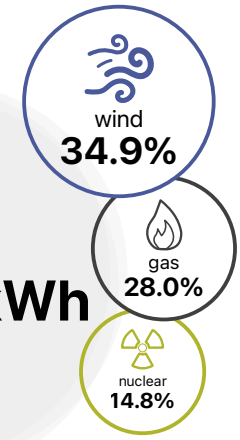
peak: 9.6%
off-peak: 90.4%



highest/lowest unit rates

total net

2766.8 kWh



report from
1st Mar 2023

report to
29th Feb 2024

total of 366 days

total electricity cost

£625.60

need help?

smarthound.uk/RAA – Fi: 32

OctopusWatch energy report

total gas cost

£369.78

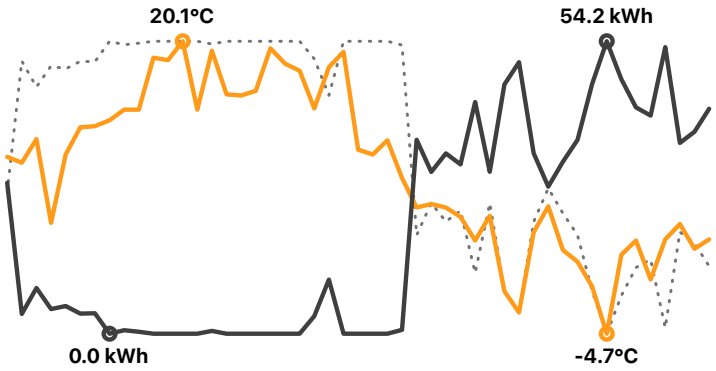
£97.96 is standing charge

total gas usage

6087 kWh

total carbon/CO2

1434kgCO2

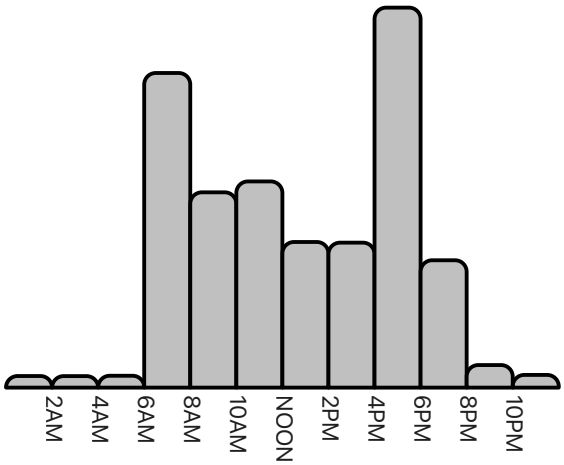


Your base usage is **3.1** kWh/day.

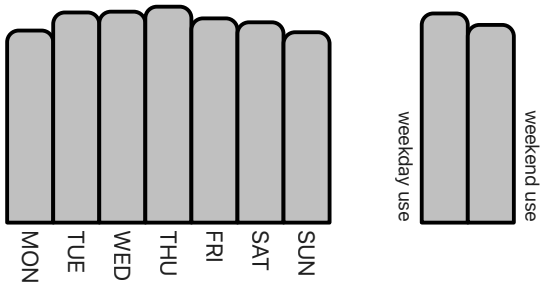
which is **22.0** kWh/week, or **1148.7** kWh/year

Jan – Mar 2023	Apr – Jun 2023	Jul – Sep 2023	Oct – Dec 2023	Jan – Mar 2024
15.3 kWh 5.2p/kWh	788.2 kWh 4.7p/kWh	334.4 kWh 4.4p/kWh	2156.5 kWh 5.0p/kWh	2792.5 kWh 4.0p/kWh

Your average usage **throughout a day**.

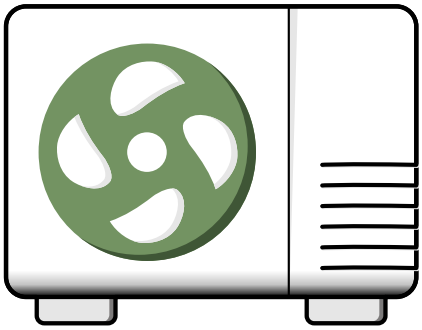


Your usage **throughout the week**, and how weekdays compare to weekends.



design outdoor temperature

DOT: -3.9°C



performance: **3.4** CoP
energy use: **1811.3** kWh
CO_2 emissions: **-73.8%**
using the 2023 grid emission factor of 0.20707kgCO2/kWh

only heat rooms you use

Check your thermostatic valves, and consider smart valves that can be scheduled for your daily and weekly room usage.

consider a lower temperature

1°C lower could save up to ~487 kWh/year
2°C lower could save up to ~1035 kWh/year

reduce boiler temperature

Modern condensing gas boilers work best when the water flowing back to the boiler is below 55°C. Check your boiler temperature regularly and keep it is as low as possible, or install a weather compensation unit.

The optimal boiler temperature heats rooms quickly enough, while being as low as possible for optimal heating efficiency.

estimated HD
your heating degree
13.1°C
the average outdoor temperature when you turn the heating on

you use ~3 kWh/day/°C below 13.1°C

report from
31st Mar 2023

report to
28th Mar 2024
total of 364 days

OctopusWatch gas report

need help?
smarthound.uk/RAG