




Solar PV in an energy crisis




About us

- Community Benefit Society registered in 2016
- Installed, owned and operated 699kW solar PV on 12 buildings
- 3 sites total 300kW in next few months
- Looking at battery storage and domestic projects
- Aim to increase this to 2MW solar in the next few years.





GCE installed
97kW solar PV
on YMCA
Humber in late
2020

- Agreed Power Purchase Agreement (PPA) price 12.7p/kWh
 - Rising with Consumer Price Index (CPI) inflation
 - 25 year roof lease
 - Funded by Community Share Offer
 - Around £70k install costs
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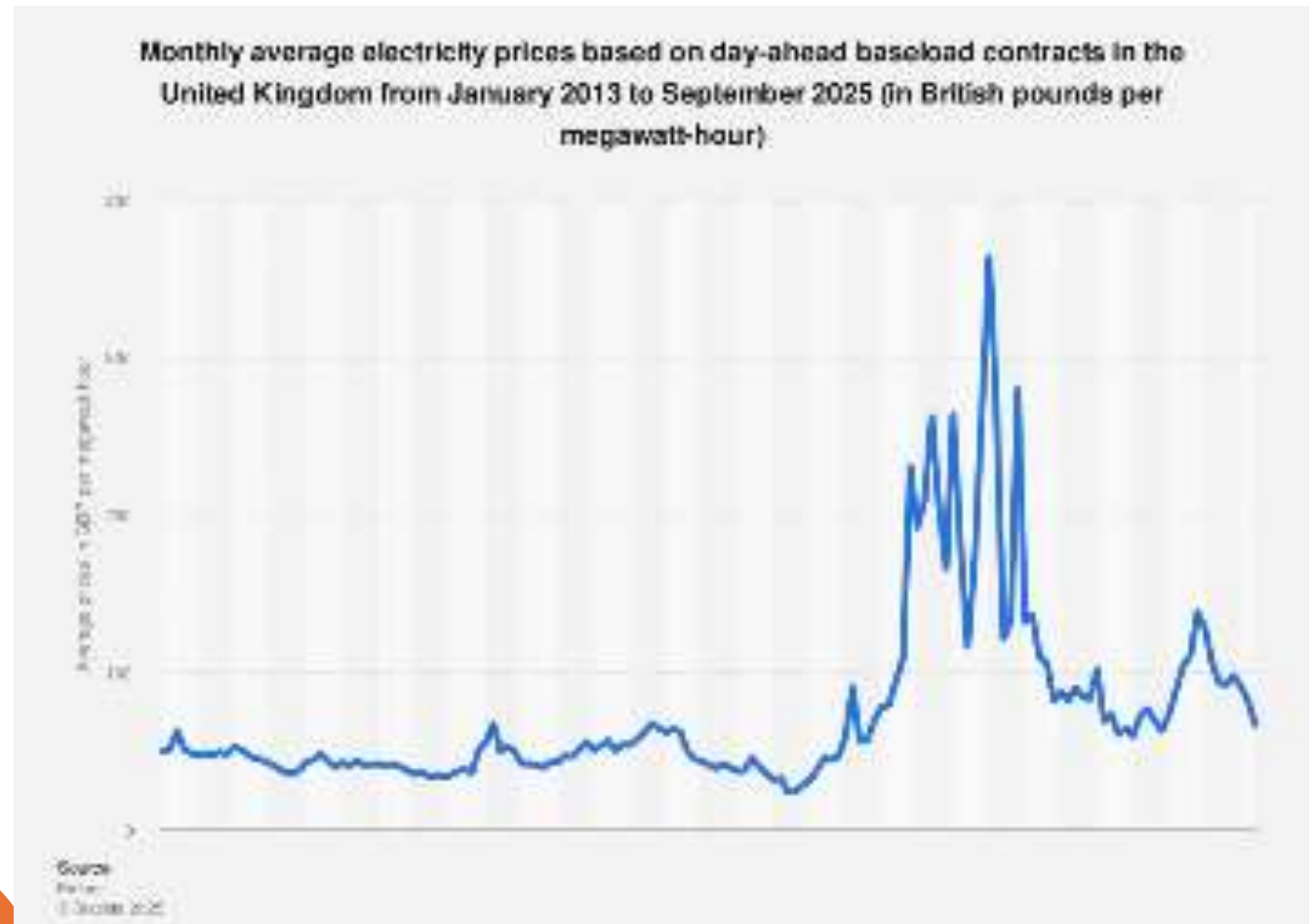






World events and energy costs

- First Covid Lockdown March 2020
- Russia – Ukraine war Feb 2022
- Record high wholesale electricity prices August 2022





**Savings for
YMCA Humber
increased a lot!**

**12.7p/kWh vs 19p/kWh main
supplier price**

**Now 12.7p/kWh versus double that
or more.**

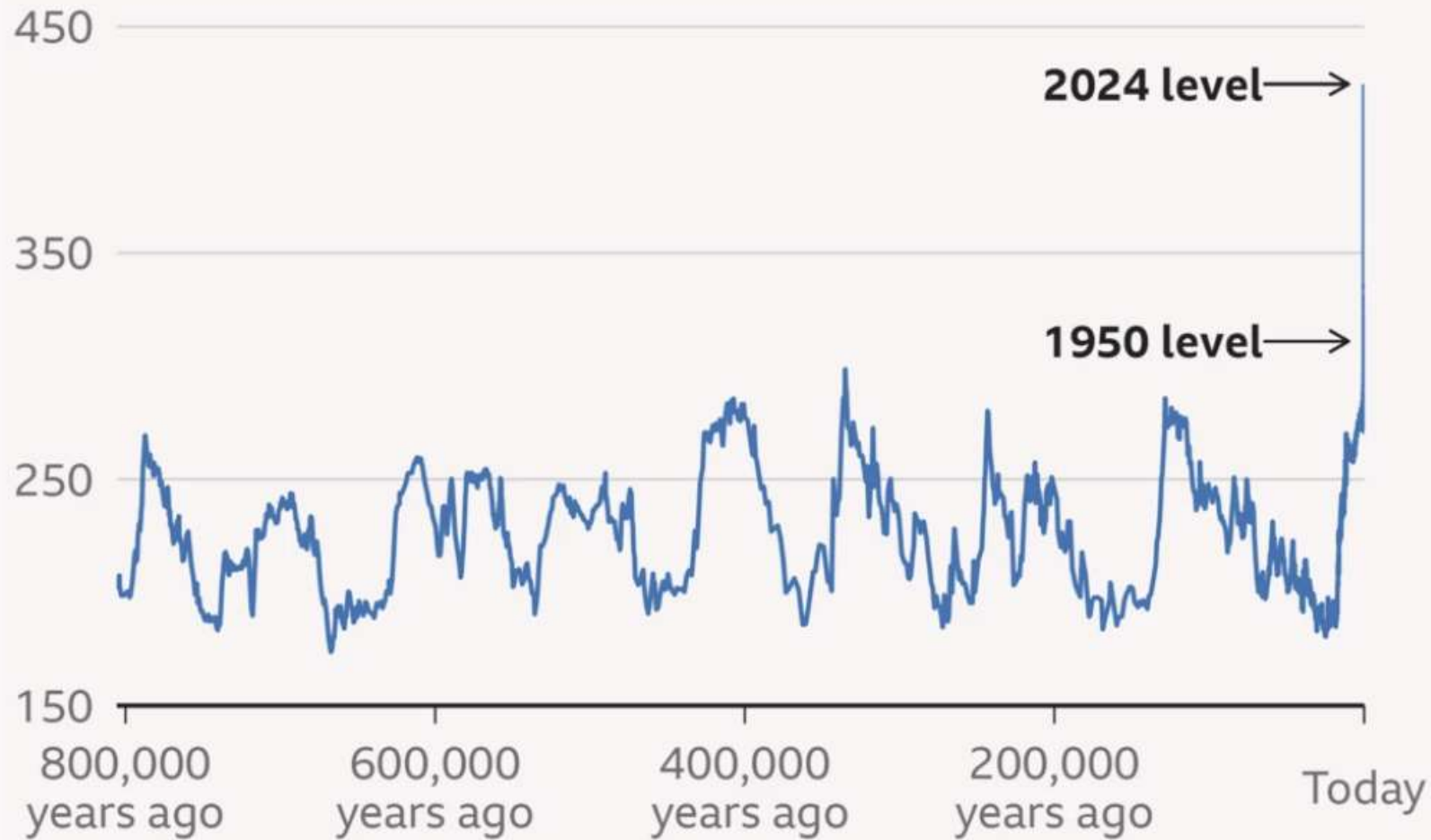
Savings ~£27k that year

**Plus... GCE expected to get 6-
7p/kWh for exported electricity.**

We got a lot more (for 6 months) !

Carbon dioxide levels are higher than any time in the last 800,000 years

Atmospheric CO₂ concentrations, parts per million



Historical data from ice-core records; most recent from atmospheric measurements