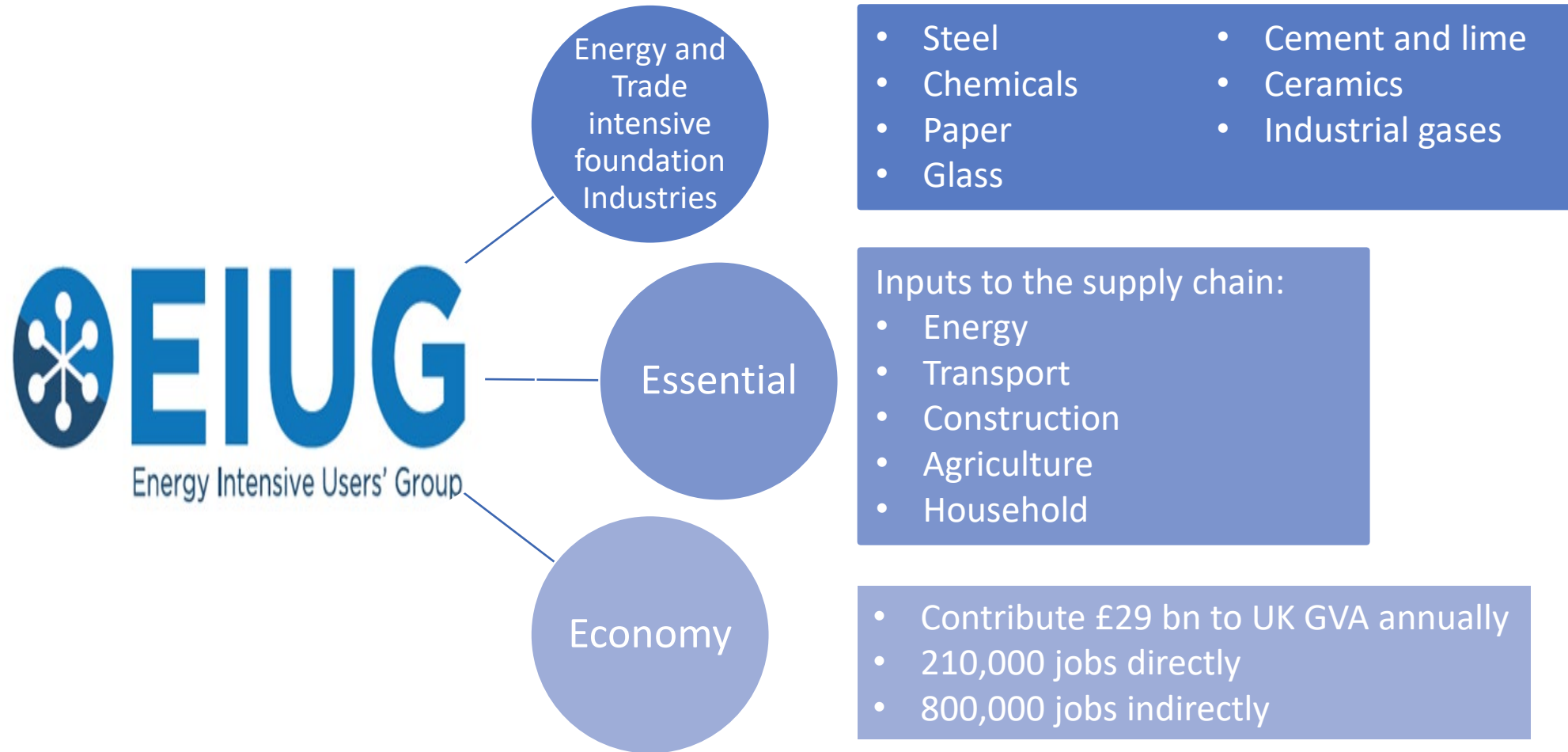

Energy Prices: Impact on Energy Intensive Industry

Dr Richard Leese, EIUG Chair

23rd February 2022



Who we are



EIUs – an important consumer group



GVA = 29 billion



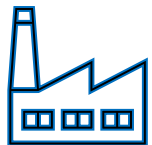
Electricity consumption = 22.4 TWh
12% of non domestic consumption,
8% of total consumption



Direct employees > 210,000



Gas consumption = 1.5 billion therms (154 PJ)
8% of non domestic demand, 5% of total demand



No. of sites > 240

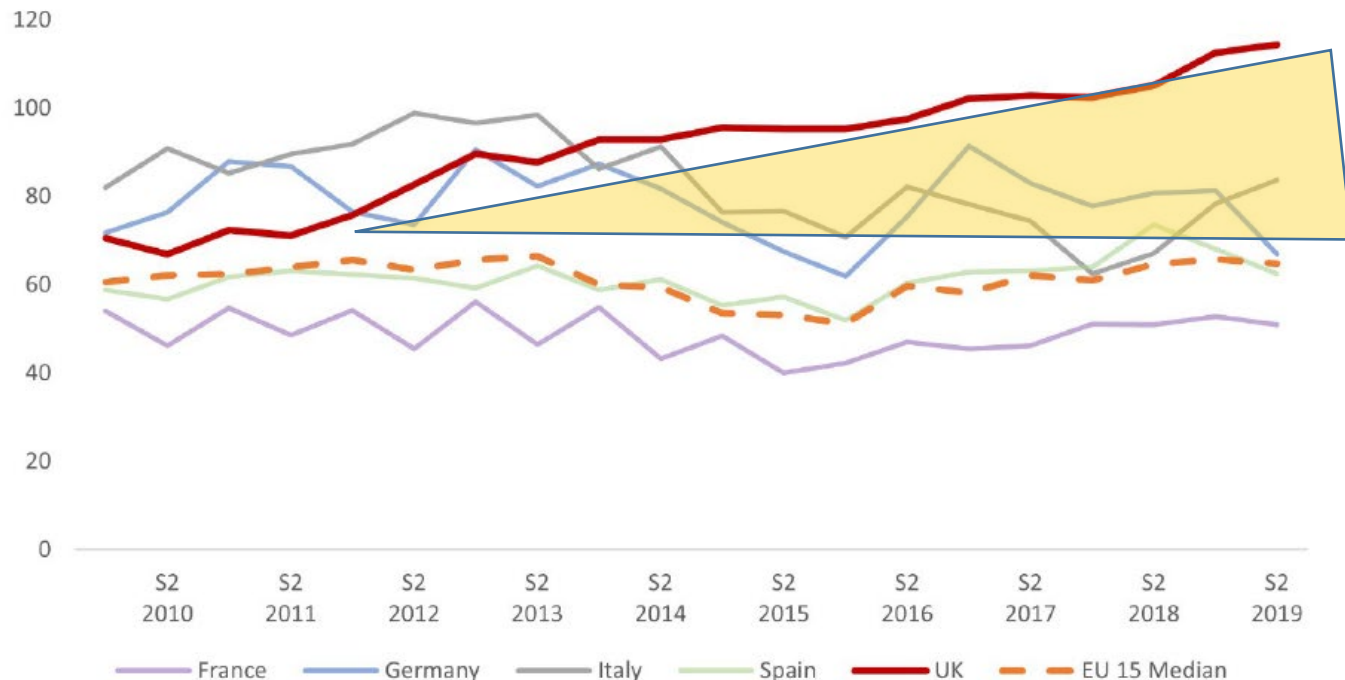


CO₂ emissions = 34 MtCO₂
9.7% of total UK emissions

*Note: data excludes industrial gases

Energy prices, what's the problem?

Figure A: Trends in electricity prices for extra-large industrial consumers in selected EU countries (£/MWh)

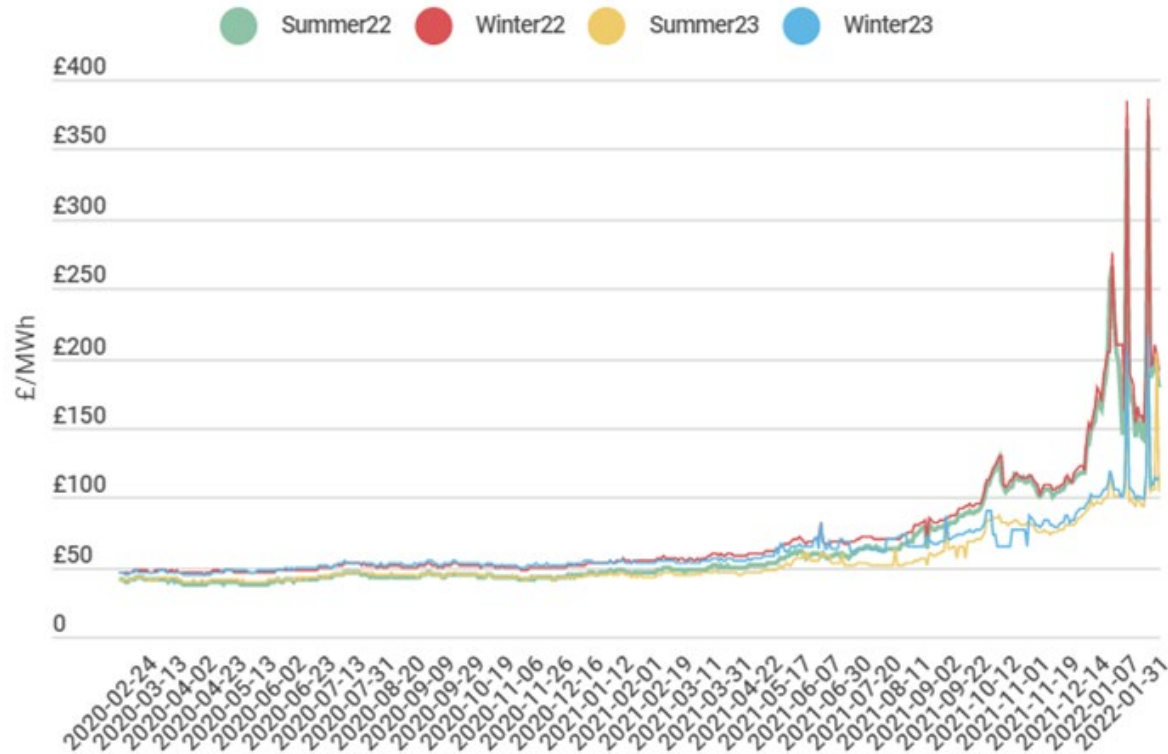


The gap is widening between the UK and our major competitors..... even before the price crisis

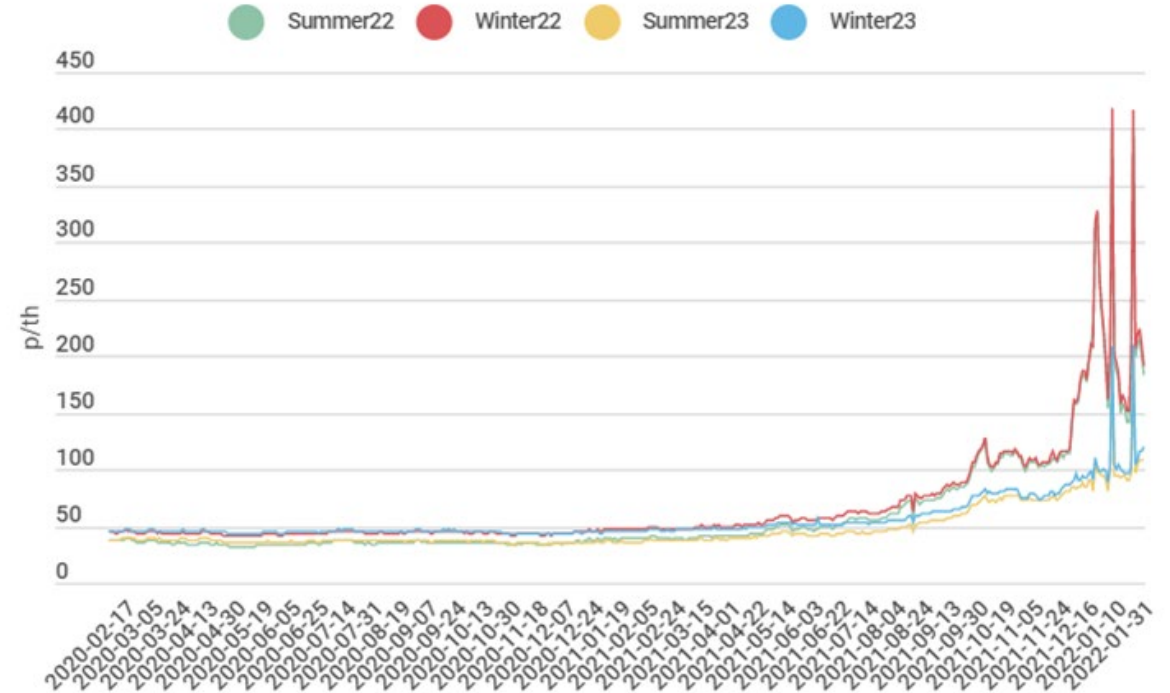
Source: BEIS Publication: QEP Electricity Prices for Industrial Customers (including environmental taxes and levies, excluding VAT), June 2020

The forward look isn't good

ELECTRICITY UK BASELOAD



UK NBP GAS

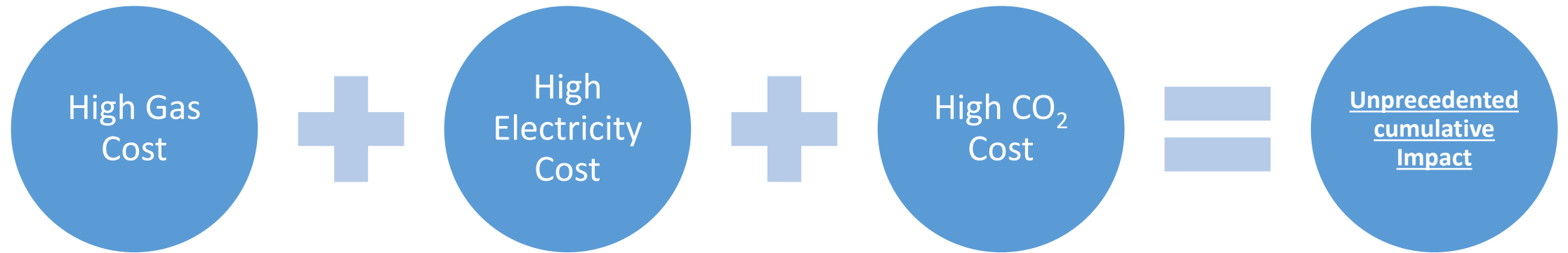


Ofgem also recognise there is a problem

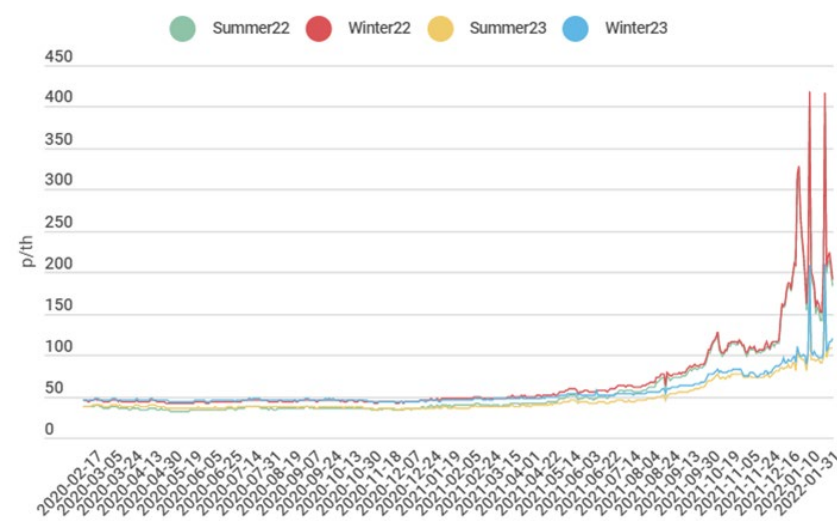
- *“Ells in GB appear to face high electricity prices on average in comparison to many European countries”.*
- *“Although the difference between GB wholesale electricity price and that of other European countries varies over time, GB wholesale prices have tended to be higher”.*
- *“GB policy costs appear higher than the countries we draw detailed comparisons with (France, Germany and the Netherlands)”.*
- *“GB network costs appear higher mainly because the comparator countries offer discounts on network costs for Ells... This allows eligible Ells to lower their network costs by up to 90% in some cases”.*

Source: Ofgem 2021. Research into GB Electricity Prices for Energy Intensive Industries

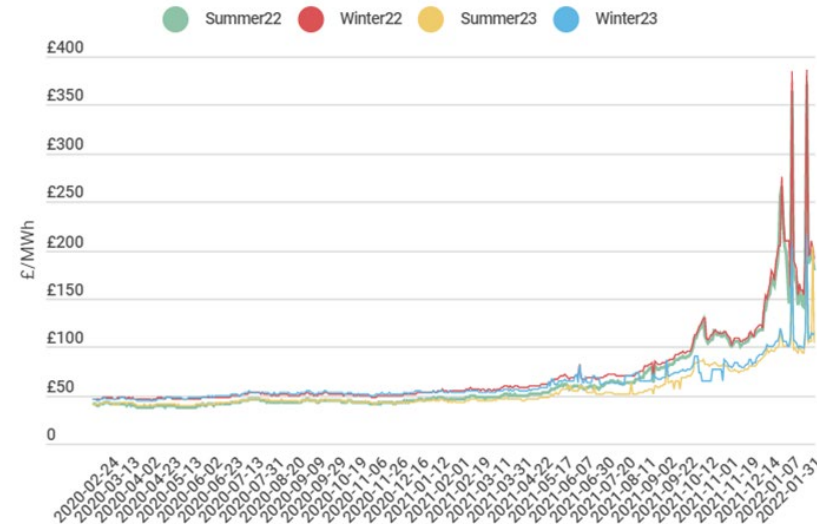
It's not just energy...



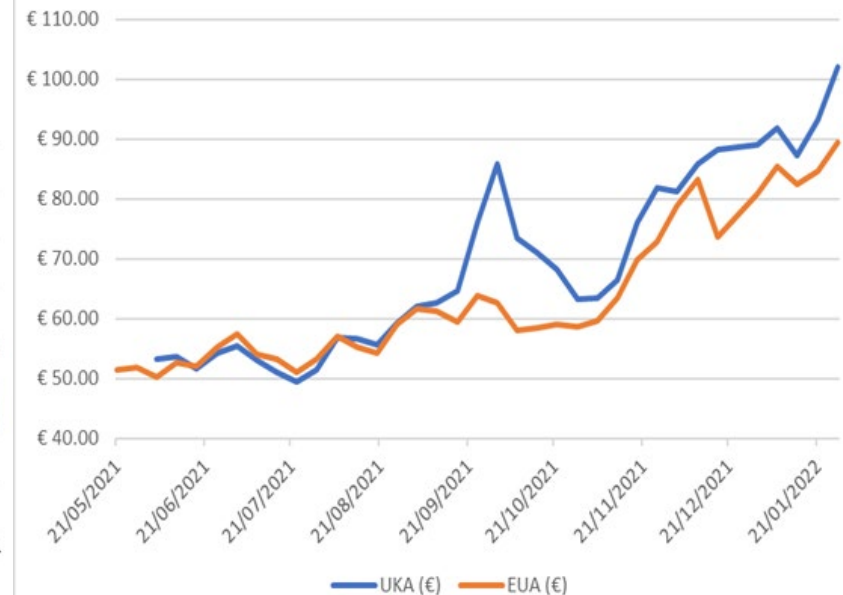
UK NBP GAS



ELECTRICITY UK BASELOAD



UK CO₂ Futures



Why do we need action?

