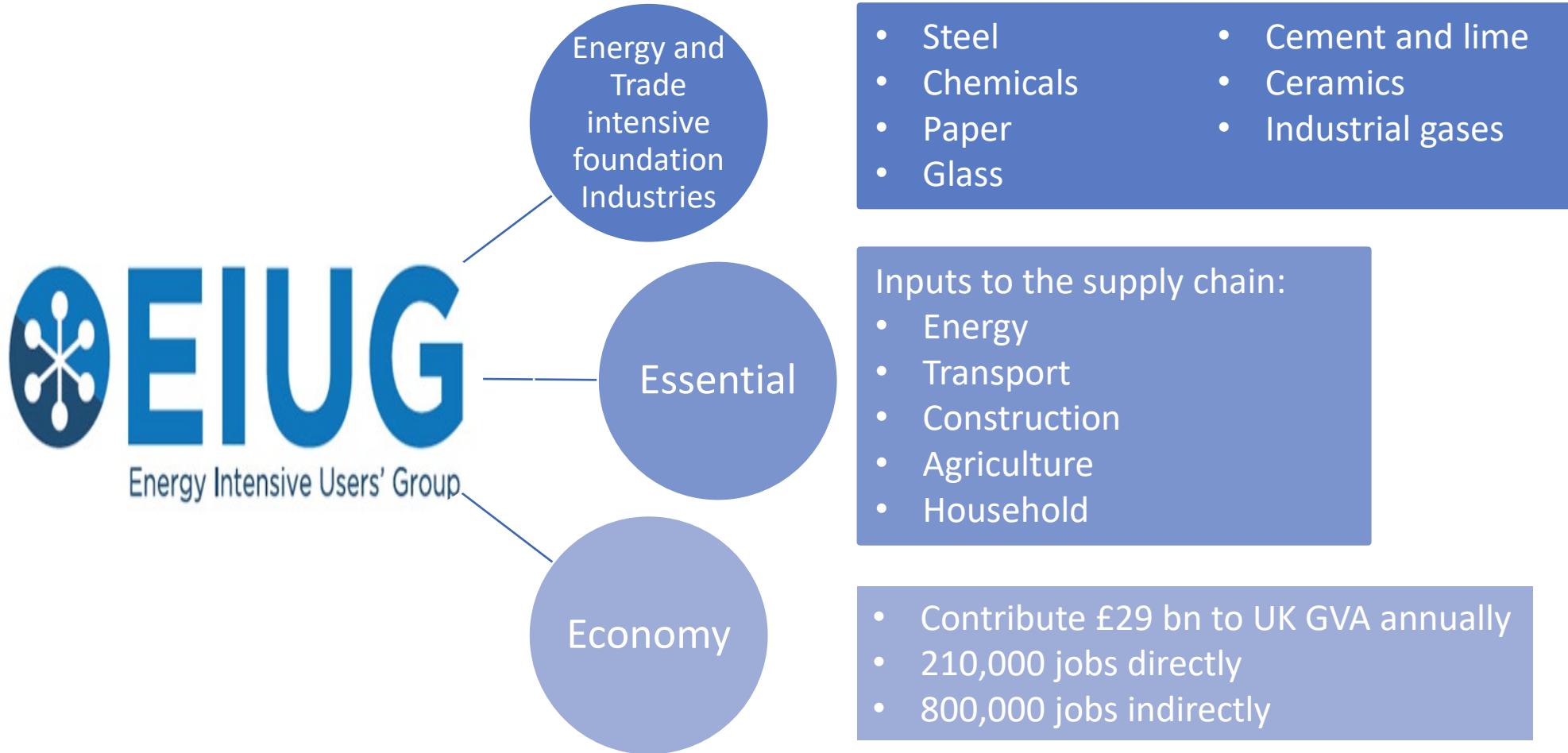

Energy Prices: Impact on Energy Intensive Industry

Dr Richard Leese, EIUG Chair

23rd February 2022

Who we are



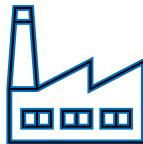
EII's – an important consumer group



GVA = 29 billion



Direct employees > 210,000



No. of sites > 240



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



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

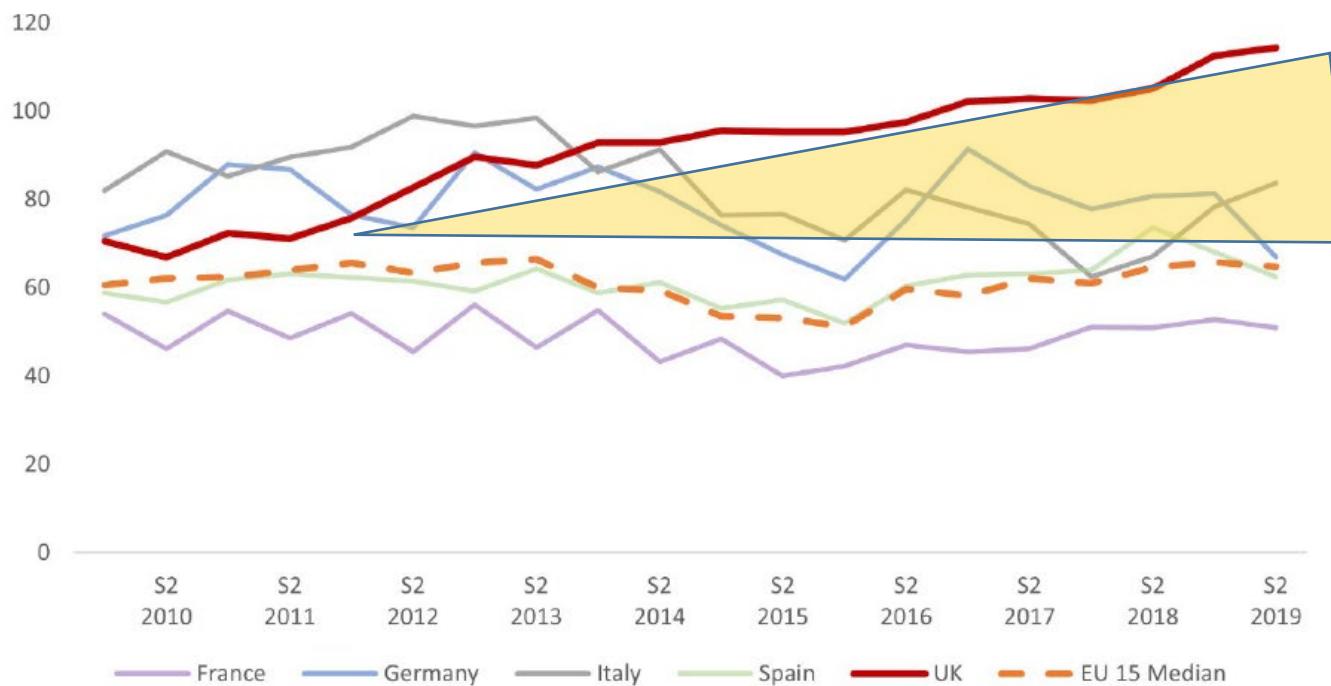


CO₂ emissions = 34 MtCO₂
9.7% of total UK emissions

*Note: data excludes industrial gases

Energy prices, what's the problem?

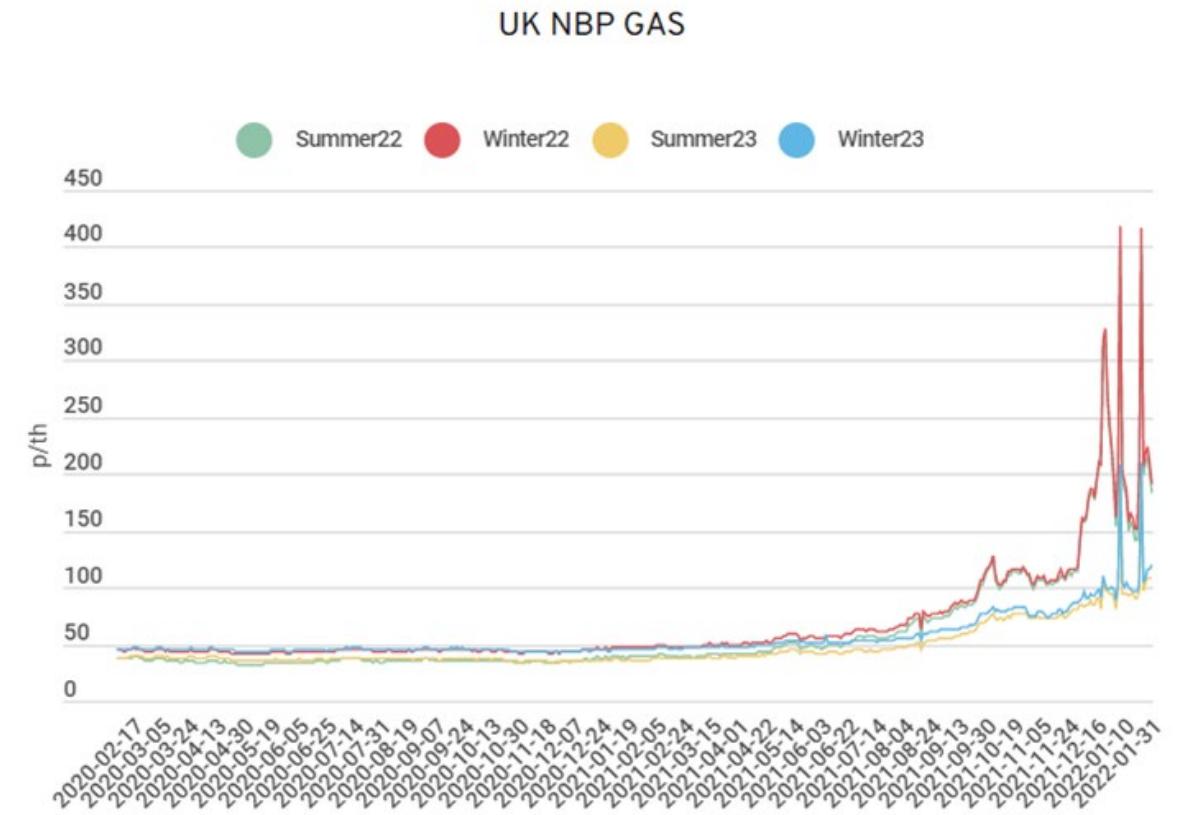
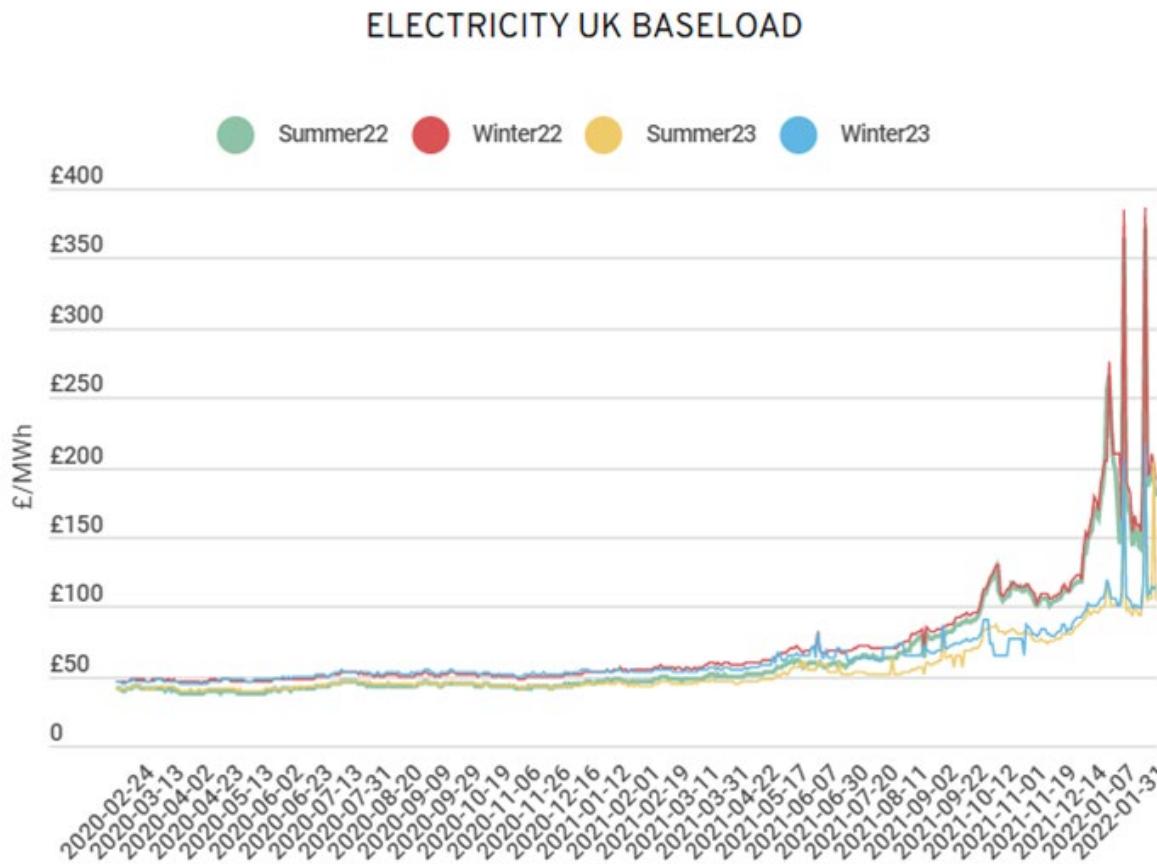
Figure A: Trends in electricity prices for extra-large industrial consumers in selected EU countries (£/MWh)



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



Ofgem also recognise there is a problem

- “*EIs 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 EIs... This allows eligible EIs 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...

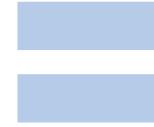
High Gas Cost



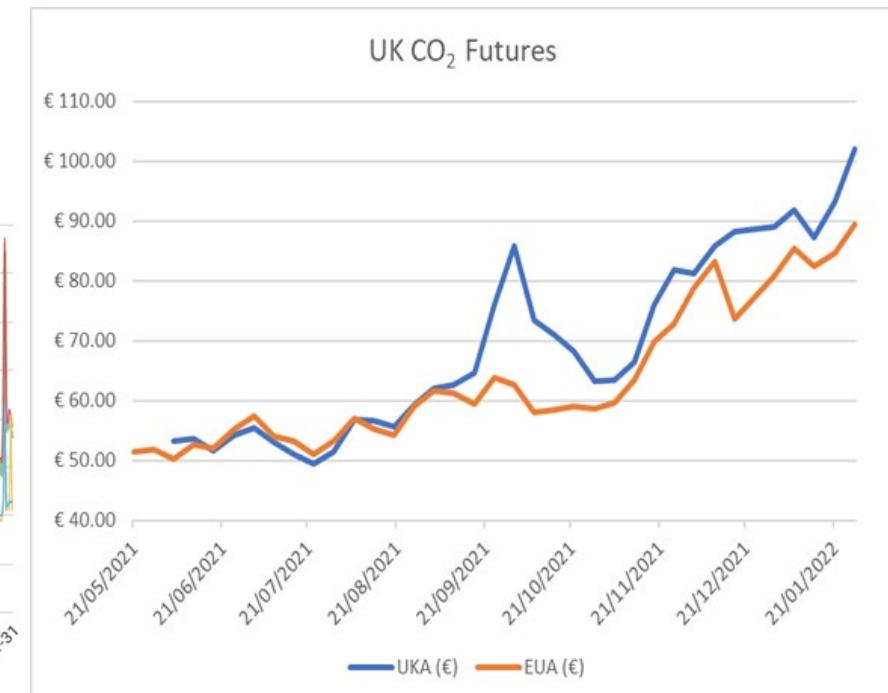
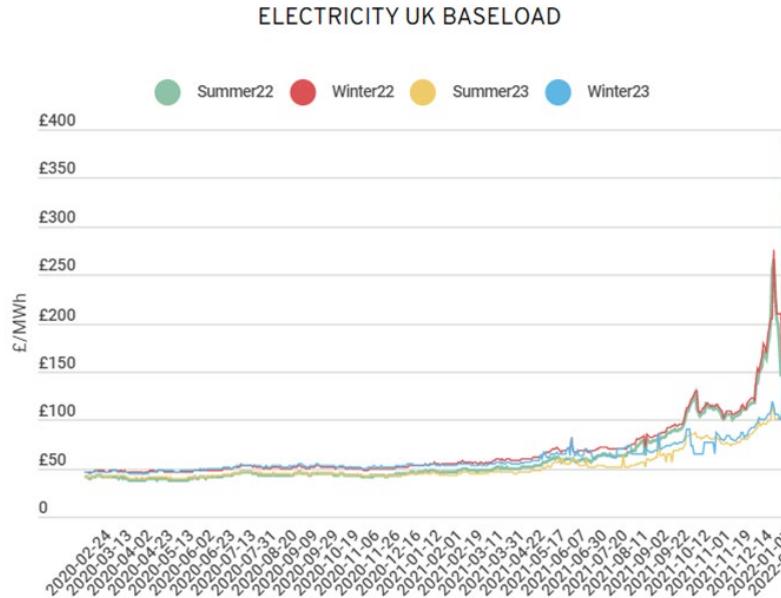
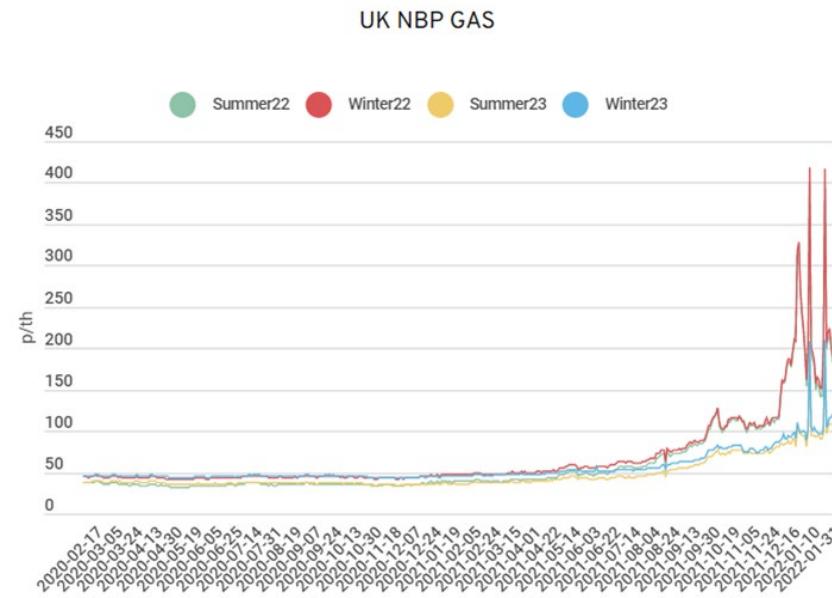
High Electricity Cost



High CO₂ Cost



Unprecedented
cumulative
Impact



Why do we need action?

