ROBERT FISH

EOSEDATA - LEBA



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THE ROLE OF DATA IN DECARBONISATION



BIG PICTURE

- X Green House Gas emissions reduced by 34% by 2020; 80% by 2050 in Climate Change Act 2008, now proposed to 100% by 2050
- **X** Electricity generation forms the most important part of the process of decarbonisation
- X Sustainable decarbonisation of the economy is a crucial aspect of the UK's commitment to mitigating climate change
- Clean Growth Strategy Renewable energy an opportunity & may be considered the most important



BIG PICTURE

- X Track rates of Carbonisation no measurement = no strategy = no action
- X Track various sectors understand overall contribution factors
- X Track emissions in gigatons vs pledges, policy scenarios and legislation
- X The UK has been a leader in legislating long-term climate mitigation targets and crucially setting a binding institutional and reporting framework to ensure that carbon budgets are adhered to but this only be measured by data and science led initiatives
- **X** Data will dictate



DATA DICTATES...

- X Data being thrown about in the very topical "Climate Change" debate
- Most famous recent data conversation on decarbonisation Greta Thunberg said:
 - UK overstated its 42% stated reduction in greenhouse gases from its target to cut 80% of emissions from 1990 levels by 2050
 - Greta said true reduction is only 10% when including international aviation, shipping & imports....but these aren't included in agreed emissions data submission to the UN under the Kyoto Protocol
 - Oata semantics?



DATA DELIVERS...

- X The Target is to move from a current average of 500g of CO_2 equivalent per kilowatt hour (CO_2 e/kWh) to less than 50g CO_2 e/kWh by 2050
- X Need low or even zero carbon-emitting power plants
- How initiatives to set targets on Green House Gas (GHG) reductions and decarbonisation emissions across companies not just sectors
- Science & data led move from sector-wide pathways to company specific pathways
- X Can set the target but must provide evidence on how these are met
- Will have to be done through verifiable quantitative and qualitative data
 __measurement

LONDON ENERGY BROKERS' ASSOCIATION - LEBA

- X Independent industry body formed in 2003
- **X** Represents interests of Energy Brokers
- X LEBA Ltd Market Data Division

- **X** Offers unique set of transactions-based indices
- X Evolved to become global pricing benchmarks for energy



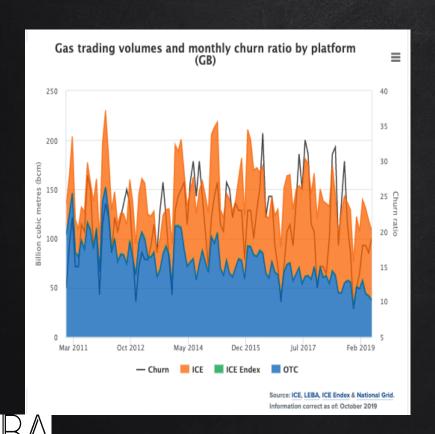
LEBA DATA

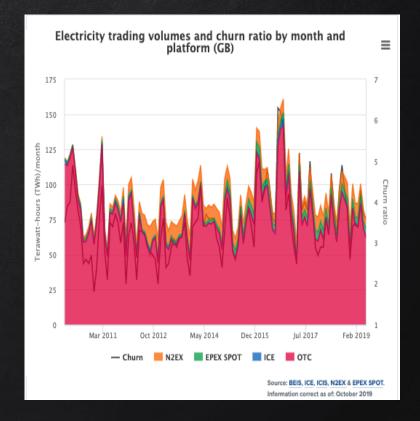
DESKTOP (END-USER) & APPLICATION DATA LICENCE

- 🐨 UK POWER PROMPT & FORWARD DATA
- & EUROPEAN GAS PROMPT & FORWARD DATA
- B UK GAS INDICES (NBP)
- * European Power Indices
- CARBON EUA AND CER INDICES
- COAL INDICATIONS



GB OTC & EXCHANGE TRADING VOLUMES - GAS & ELECTRICITY





EU OTC & EXCHANGE MARKET SHARE - GAS

