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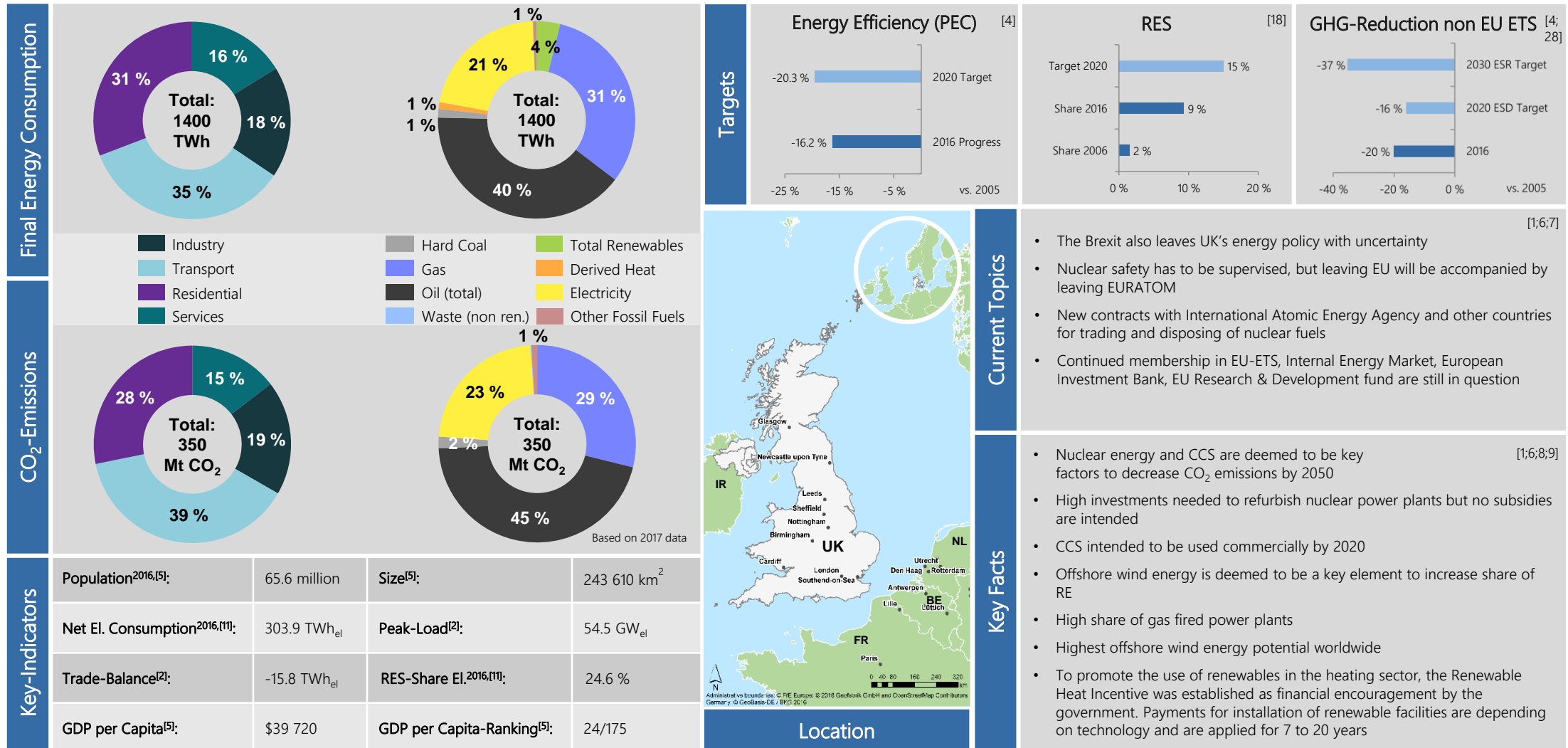
Federal Ministry  
for Economic Affairs  
and Energy

on the basis of a decision  
by the German Bundestag



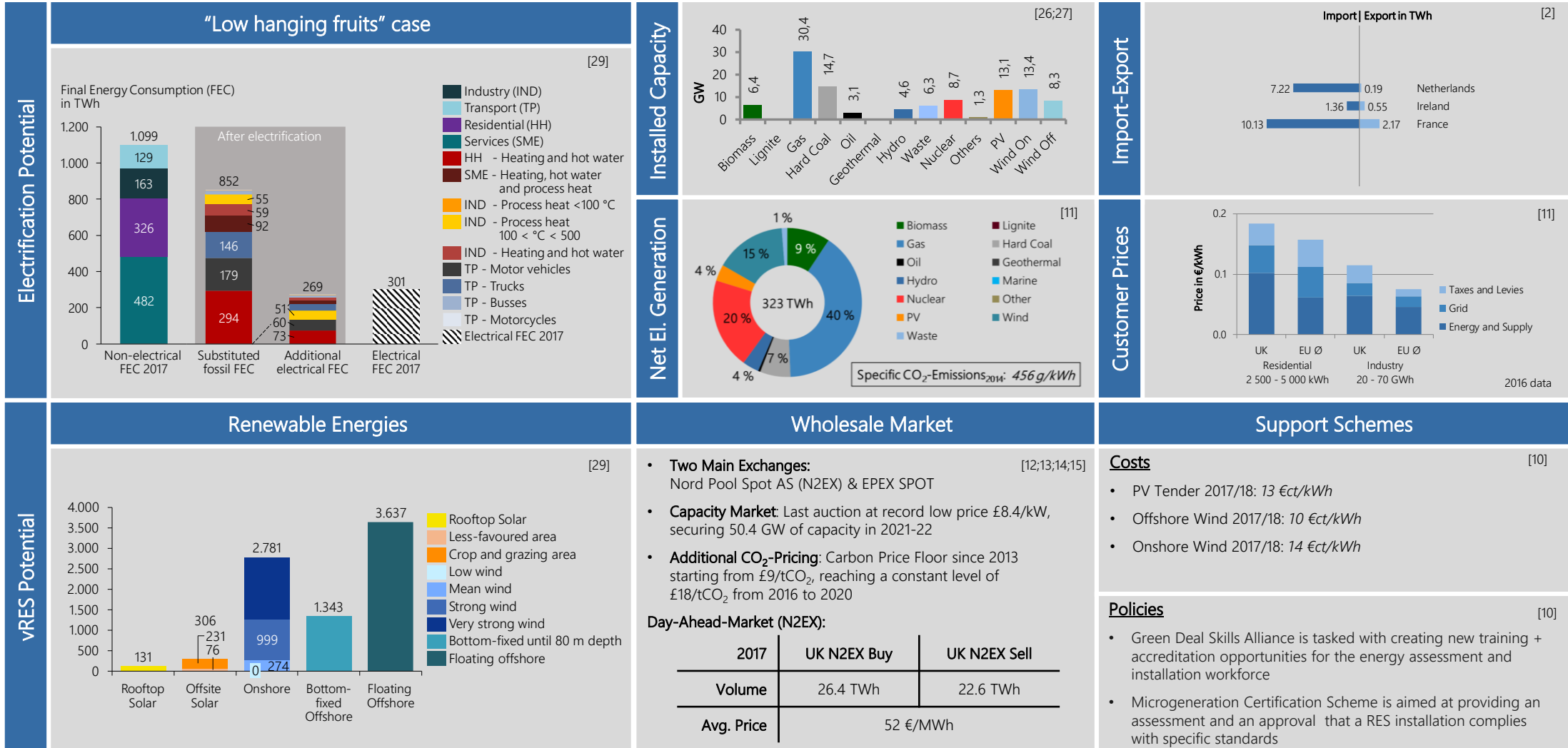
# Energy Country Profile United Kingdom

# UK at a Glance



All evaluations based on the year 2017 if not mentioned otherwise.

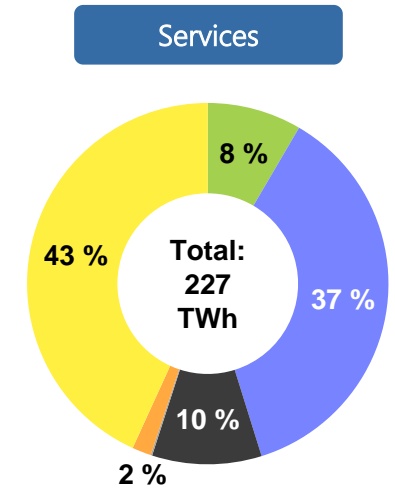
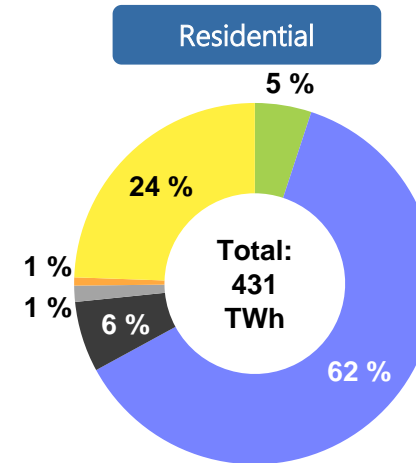
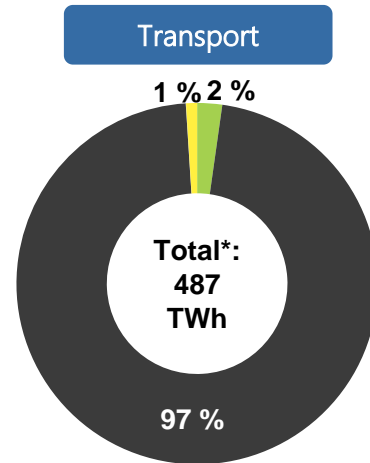
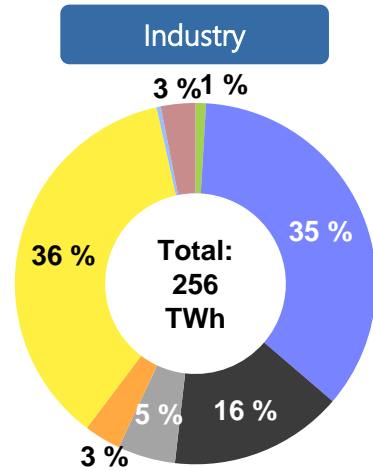
# UK's Electricity Sector



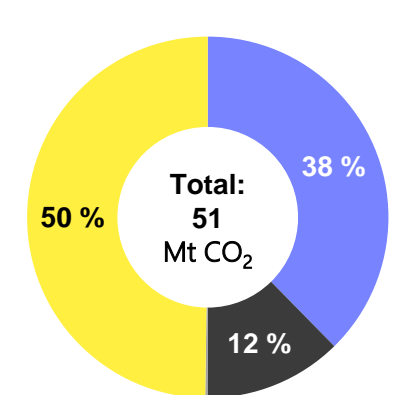
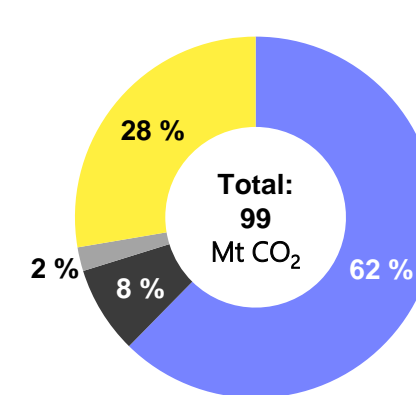
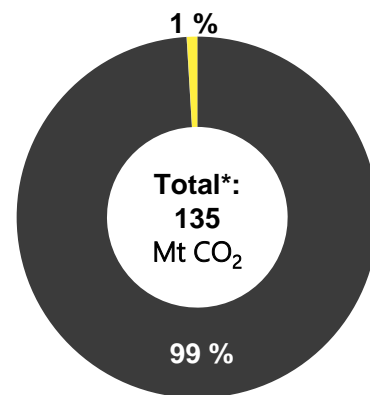
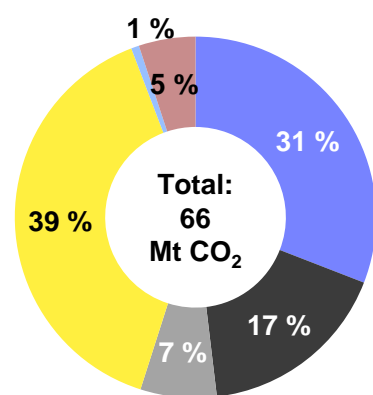
All evaluations based on the year 2017 if not mentioned otherwise.

# UK's Energy Consumption & Emissions by Sectors and Energy Carriers - 2017

Final Energy Consumption



CO<sub>2</sub> - Emissions



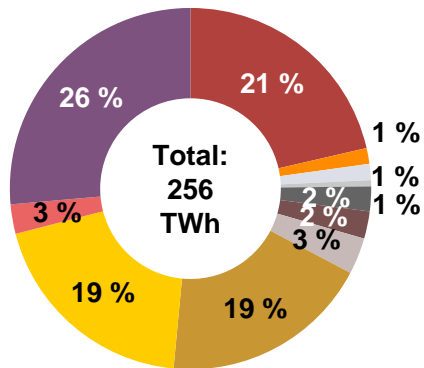
Hard Coal
  Oil (total)
  Gas
  Total Renewables
  Waste (non. ren.)
  Derived Heat
  Electricity
  Other Fossil Fuels

\*excluding international aviation

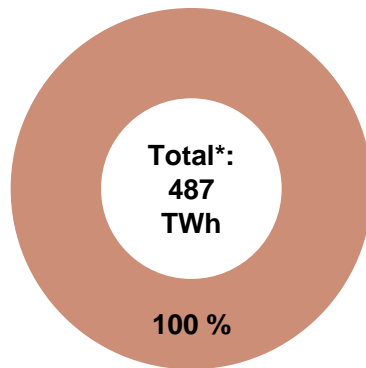
# UK's Energy Consumption & Emissions by Application & Sector - 2017

Final Energy Consumption

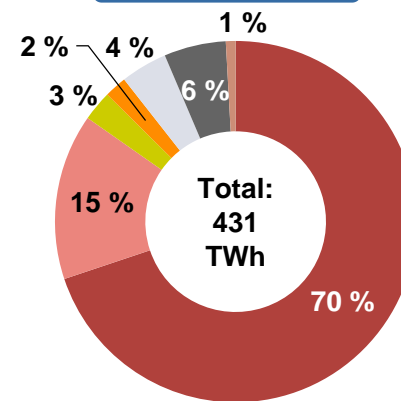
Industry



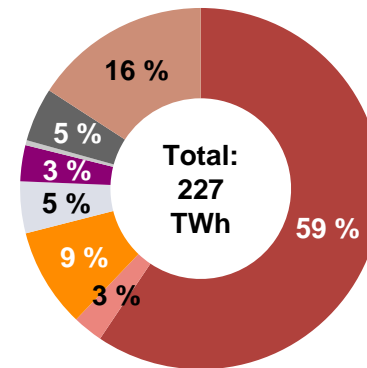
Transport



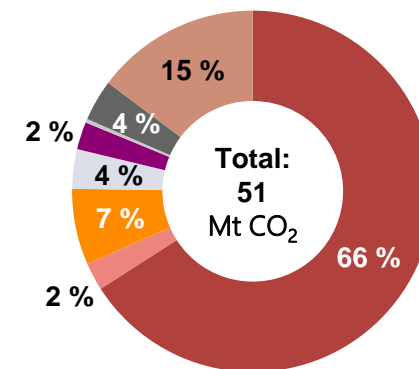
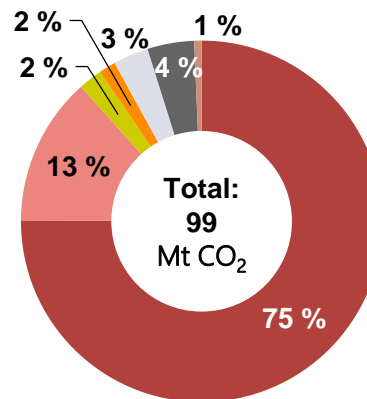
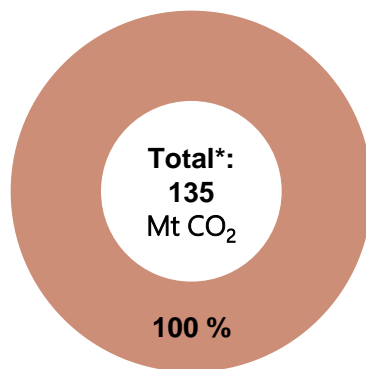
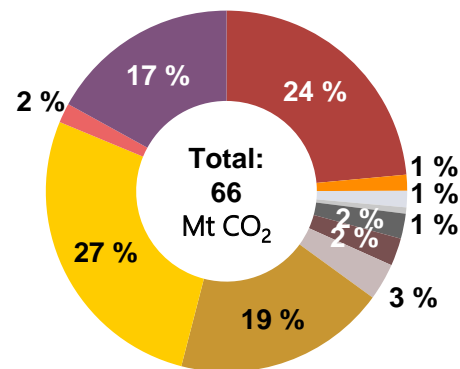
Residential



Services



CO<sub>2</sub> - Emissions



- Space Heating
- Process Heat 100 - 500 °C
- Process Heating < 100 °C
- Other Process Cold
- ICT
- Process Heating
- Cooking
- Pumps
- Warm Water
- Process Heat > 500 °C
- Other Mechanical Energy
- Mechanical Energy
- Lighting
- Compressed Air
- Climate Cold

\*excluding international aviation

## Institutions

Department for Business, Energy & Industrial Strategy	<a href="https://www.gov.uk/government/organisations/department-for-business-energy-and-industrial-strategy">https://www.gov.uk/government/organisations/department-for-business-energy-and-industrial-strategy</a>
TSO	National Grid Electricity Transmission plc <a href="https://www.nationalgrid.com/uk">https://www.nationalgrid.com/uk</a>
	System Operator for Northern Ireland Ltd <a href="http://www.soni.ltd.uk/">http://www.soni.ltd.uk/</a>
	Scottish Hydro Electric Transmission plc <a href="http://sse.com/">http://sse.com/</a>
	Scottish Power Transmission plc <a href="https://www.scottishpower.com/">https://www.scottishpower.com/</a>
Regulator	Office of Gas and Electricity Markets (ofgem) <a href="https://www.ofgem.gov.uk">https://www.ofgem.gov.uk</a>

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## Abbreviations

RES	Renewable Energy Source
EFR	Effort Sharing Regulation
PEC	Primary Energy Consumption
GHG	Greenhouse Gases
ESD	Effort Sharing Decision
EU ETS	European Union Emissions Trading System
EL	Electricity
EU	European Union
TSO	Transmission System Operator