The country can move away from fossil fuels and have decarbonised, secure energy and lower bills

Currently, around 80 per cent of the UK's energy demand is met by fossil fuels

Every sector of the economy will need to make substantial reductions in fossil fuel use to lower emissions:



Percentage reductions in emissions by 2035 to meet the Sixth Carbon Budget

Significant changes to the energy system will be needed



Electricity demand in Great Britain will increase by around **50%** by 2035



A **35%** annual growth rate in **heat pump** installations is needed to decarbonise **7 million buildings** in England by 2035



A **30%** a year growth in deployment is needed to deliver **300,000 public electric vehicle charging points** in the UK by 2030



Hydrogen and carbon capture and storage **networks** by 2035



17 additional electricity transmission projects need to be completed by 2030

Sources: DESNZ, Aurora, Commission modelling, DfT