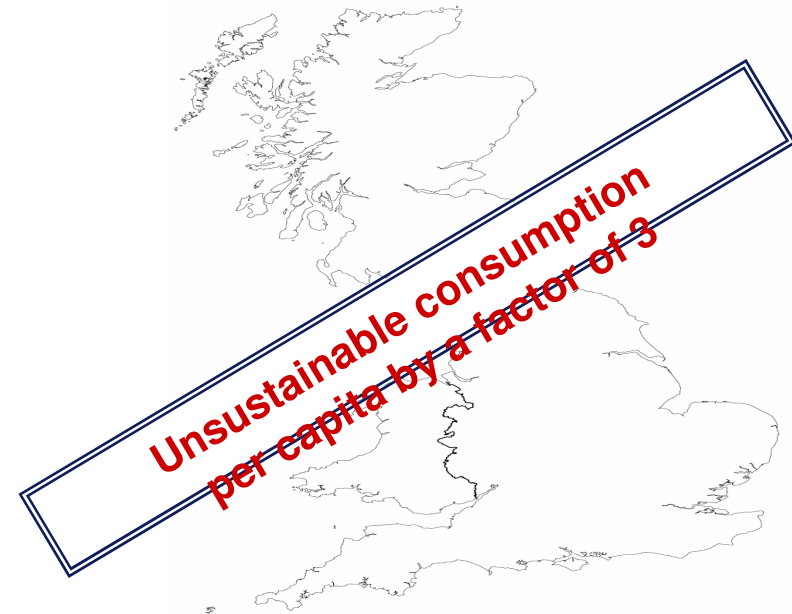


→ UK

The UK:

- 0.09% of the world's population
- 0.05% of the world's land mass
- Generates 2% of the world's CO<sub>2</sub> emissions
- Imports goods that generate 10% world's CO<sub>2</sub> emissions
- Creates 330m tonnes of waste annually – 72.5 tonnes sent to landfill
- By 2020 will likely be dependent on imports for 80% of energy needs
- 40% of UK energy use comes from buildings
- 1-2% of this from new build



### Energy Supplies

- 80% of UK energy by 2020 imported
- In 2006, electricity prices 19% higher and gas prices 177% higher than 1996
- An energy infrastructure designed around one-way transmission and fossil fuels
- Electricity generation – 65% of primary energy lost in waste heat
- High capital costs of energy generating technology due to centralisation
- Local generation costs high – exacerbated by inability to export power to the grid
- Petrol and diesel likely to remain the principal fuel for vehicles for many years to come, limited by oil availability
- Energy supplies (oil and gas) will run out within 40 years