

The Future of Heat

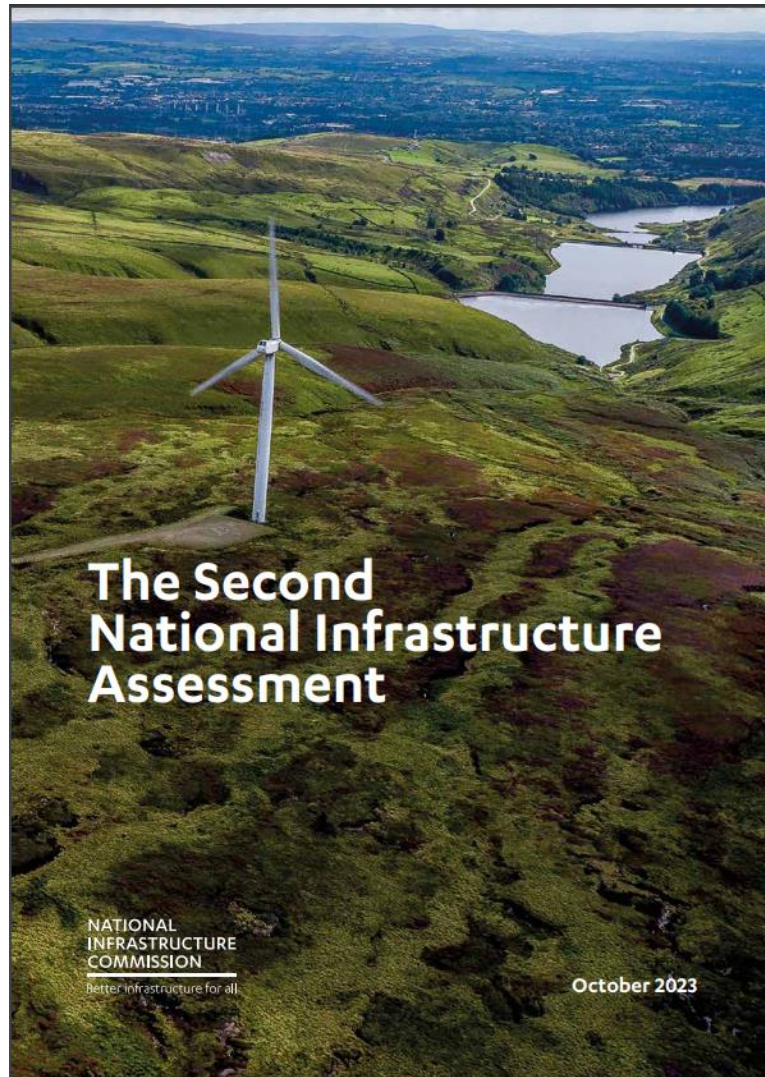
Delivering a decarbonised heating system: recommendations to government

1 November 2023

**NATIONAL
INFRASTRUCTURE
COMMISSION**

Better infrastructure for all

The National Infrastructure Assessment

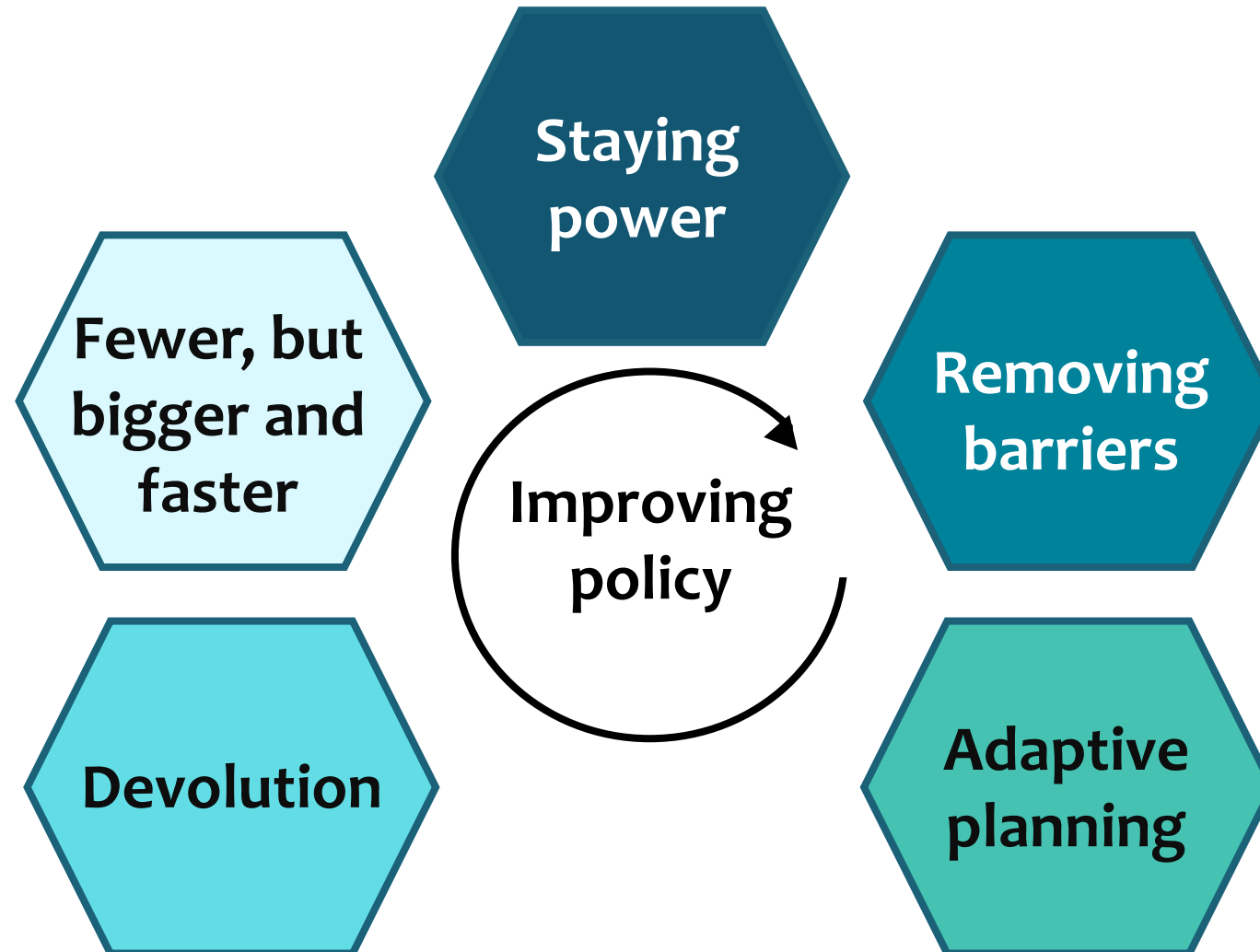


Objectives

- support sustainable economic growth across all regions of the UK
- improve competitiveness
- improve quality of life
- support climate resilience and the transition to net zero carbon emissions by 2050

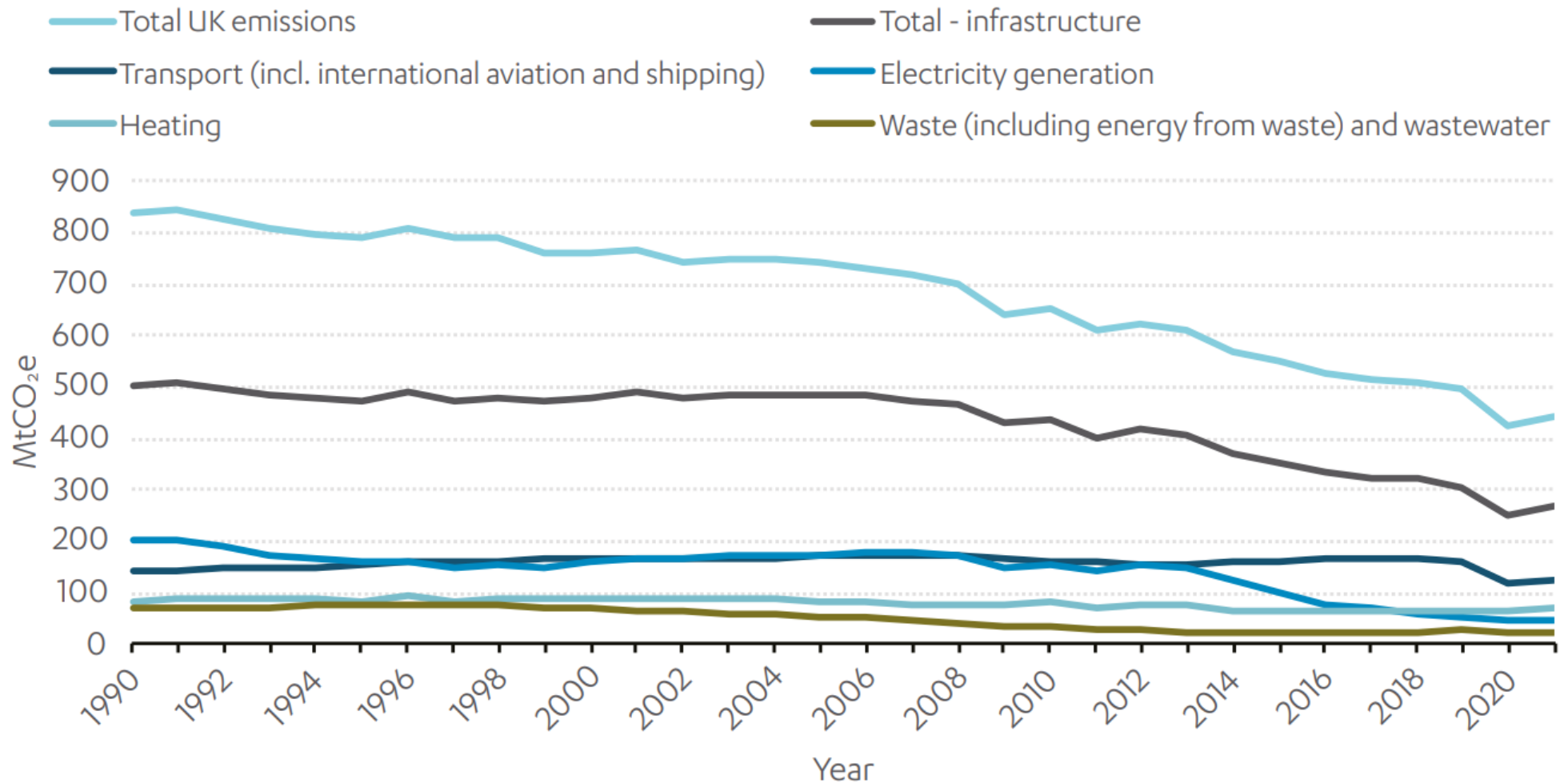
Key messages for government

Infrastructure policy guided by a set of core principles



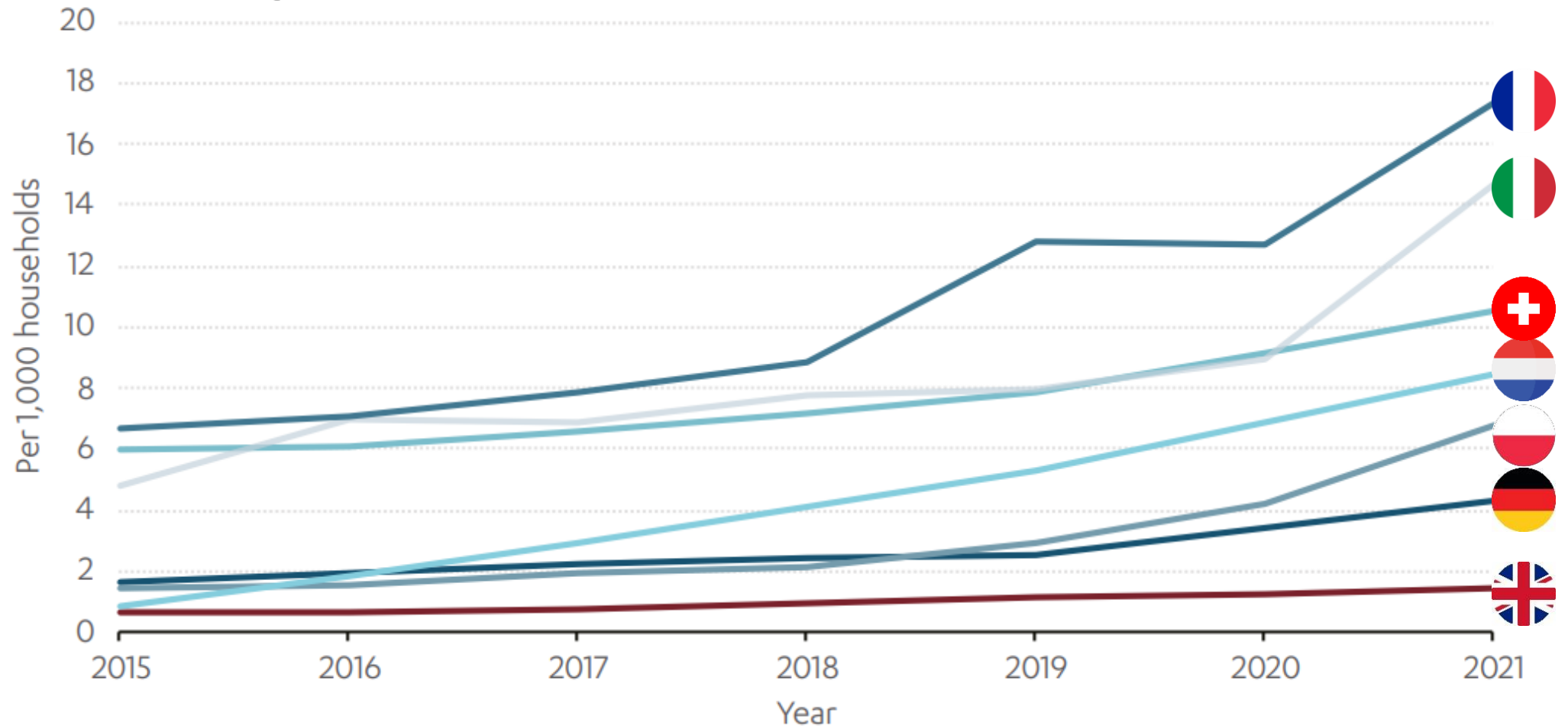
Addressing emissions from heating buildings

Reducing emissions from buildings by around 50 per cent by the mid 2030s



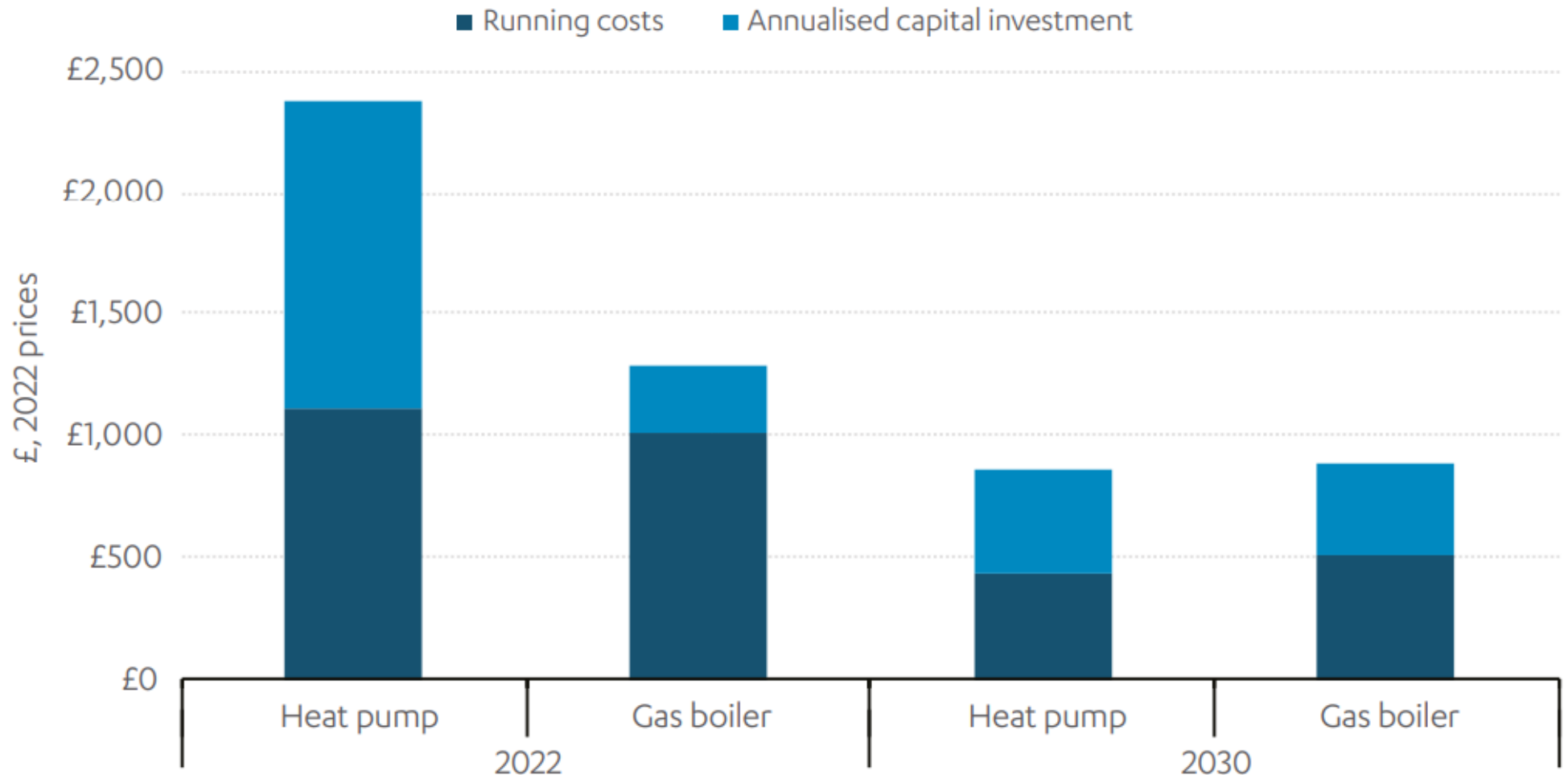
Electrifying heat through heat pumps

Policy currently falling short and we're lagging behind European neighbours



Closing the cost gap

Policies to address both the upfront capital and running cost of lower carbon alternatives



Managing increased electricity demand

Total **energy** demand will fall, but our **electricity** system must be scaled up

