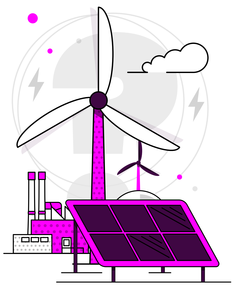
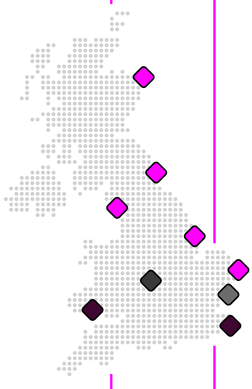
Britain's Energy Explained: April 2025

NESO
National Energy System Operator

How was our electricity generated?



		change from previous month
Gas	26.1%	4.6% ▽
Wind	22.4%	3.8% ▽
Nuclear	13.1%	2% △
Biomass	7.3%	2.5% △
Solar	10.5%	4% △
Imports	18.2%	0.6% △
Hydro	0.9%	0.8% ▽
Storage	1.5%	0.1% △



Where has our gas come from?*

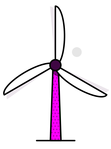
Entry Points		change from previous month
UK/Norwegian gas fields	82%	11% △
LNG imports	9%	15% ▽
European imports	0%	0% –
Storage withdrawal	9%	4% △

Where is our gas used?

Distribution networks	52%	10% ▽
Power stations	19%	1% ▽
EU & Ireland exports	23%	15% △
Industrial	1%	0% –
Storage	5%	4% ▽

*Gas data is yet to reconcile. For most up-to-date gas data, visit data.nationalgas.com

Carbon intensity of electricity



Zero carbon

46% of electricity came from zero carbon sources

85% peak zero carbon share

Carbon intensity

133 gCO_2/kWh average

Greenest time of the month 12:30pm on 16 April

Lowest carbon intensity **34** gCO_2/kWh

How much electricity we used

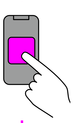
Imports & exports

Energy in **3,985 GWh**

Energy out **686 GWh**

Demand

21 TWh run through network
(that's 21 billion washing machine cycles).
Peak demand time was 7pm on 9 April.



View in real-time

To view our data in real-time, please download the NESO app for Apple or Android.
Or visit carbonintensity.org.uk