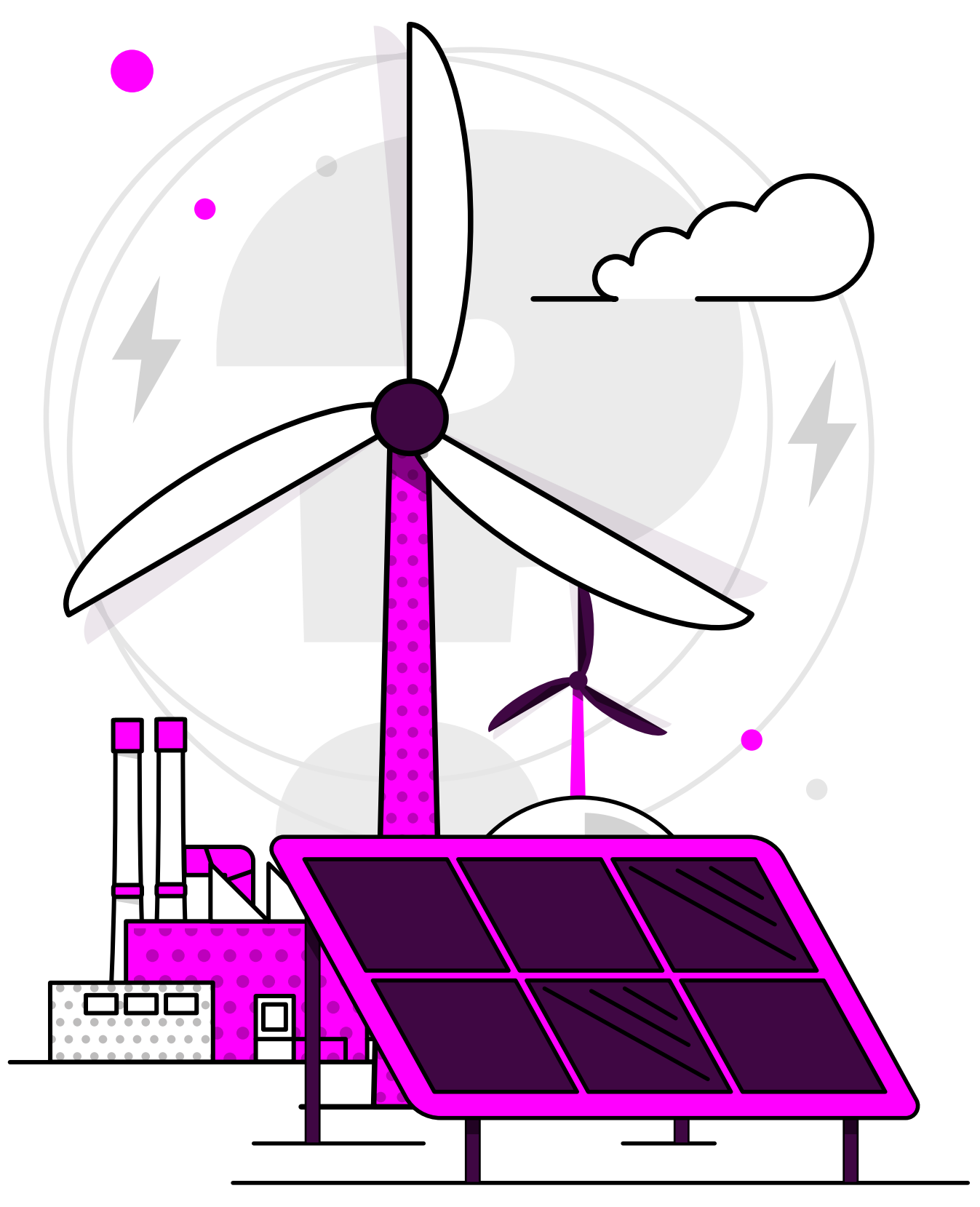
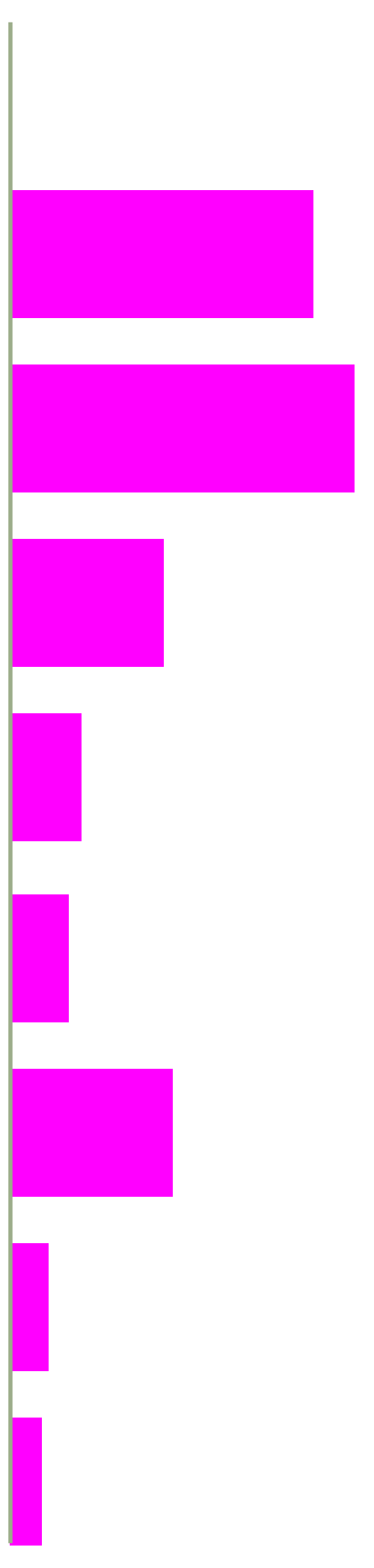
NESO
National Energy
System Operator

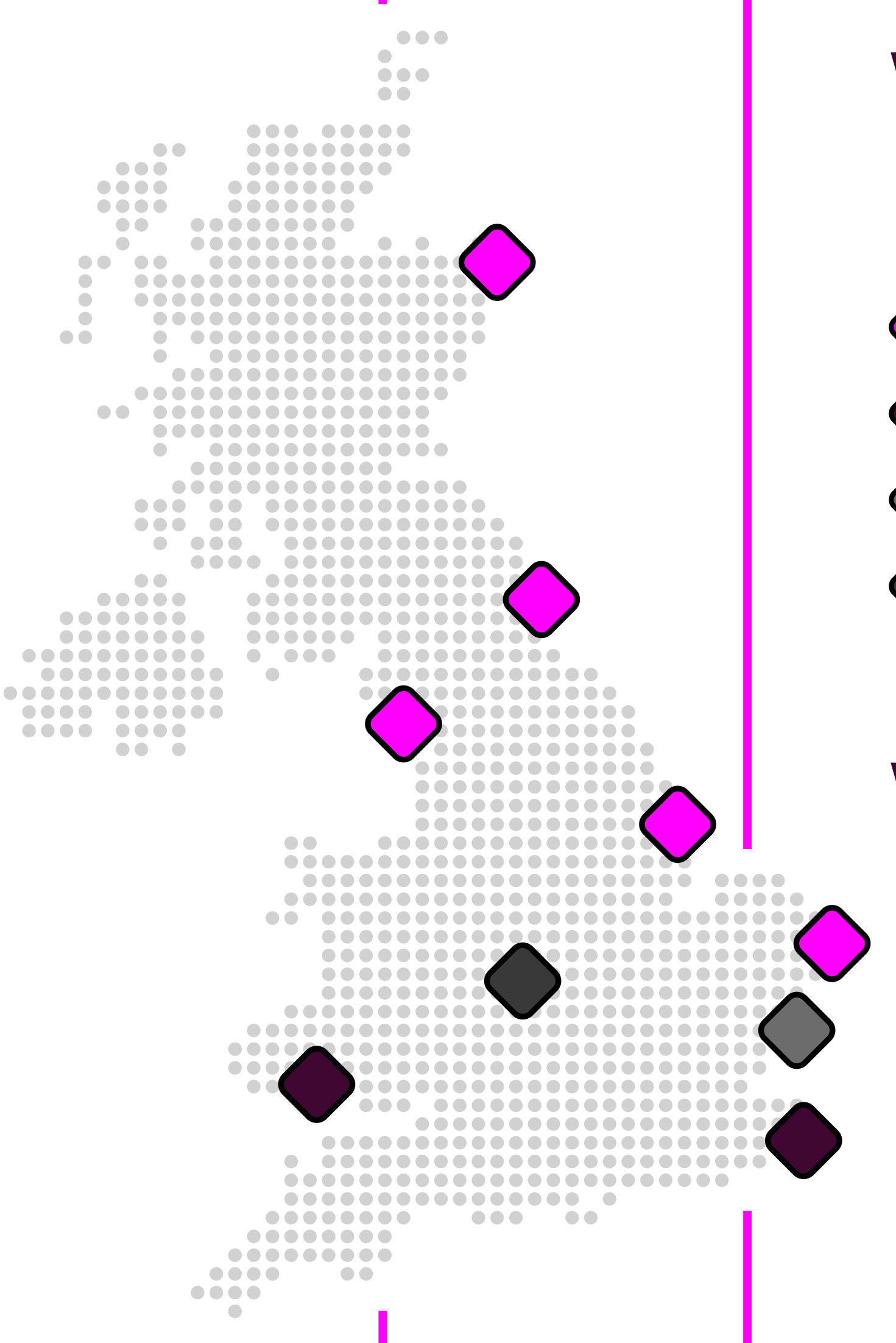
Britain's Energy Explained: October 2025

How was our electricity generated?





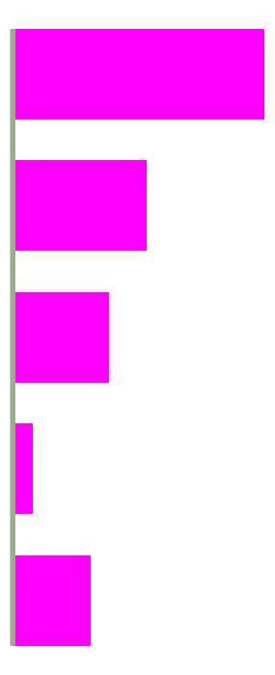
		change from previous month	
Gas	28.8%	7%	△
Wind	34.1%	1.2%	▽
Nuclear	10.4%	0.8%	△
Biomass	5.9%	1.4%	▽
Solar	3.4%	4%	▽
Imports	13.9%	1.3%	▽
Hydro	1.8%	0.3%	△
Storage	1.7%	0.1%	▽



Where has our gas come from?*

Entry Points		change from previous month	
◆ UK/Norwegian gas fields	84%	5%	▽
◆ LNG imports	13%	7%	△
◆ European imports	0%	0%	–
◆ Storage withdrawal	3%	4%	▽

Where is our gas used?



Distribution networks	55%	10%	△
Power stations	22%	1%	▽
EU & Ireland exports	12%	0%	–
Industrial	1%	0%	–
Storage	10%	8%	▽

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

Carbon intensity of electricity

Zero carbon

61% of electricity came from zero carbon sources

93% peak zero carbon share

Carbon intensity

138 gCO_2/kWh average

Greenest time of the month 10:30am on 28 October

Lowest carbon intensity 32 gCO_2/kWh

How much electricity we used

Imports & exports

Energy in
3,390 GWh

Energy out
1,067 GWh

Demand

24 TWh run through network
(that's 24 billion washing machine cycles).
Peak demand time was 4:30pm on 27 October.

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