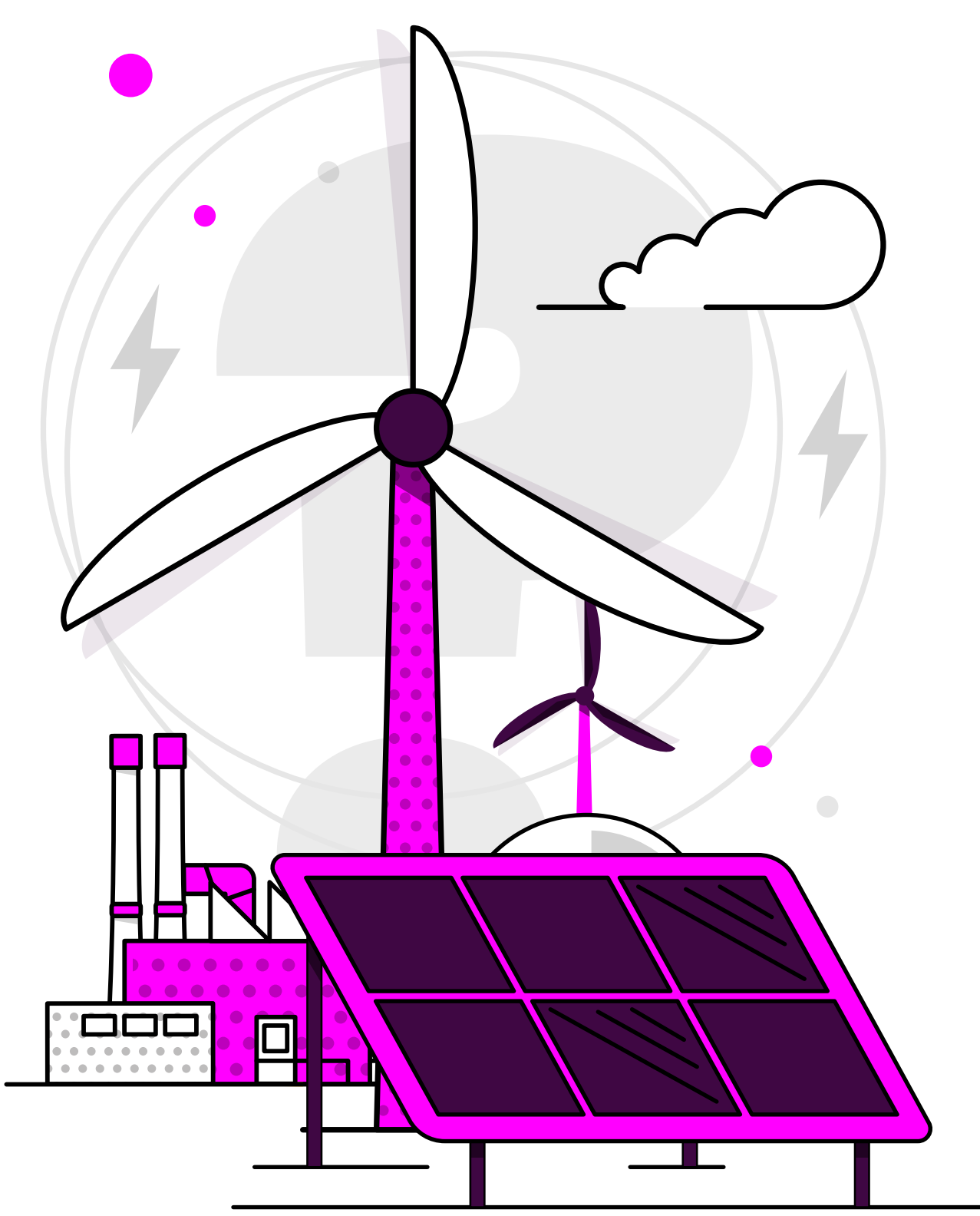


# Britain's Energy Explained: September 2024

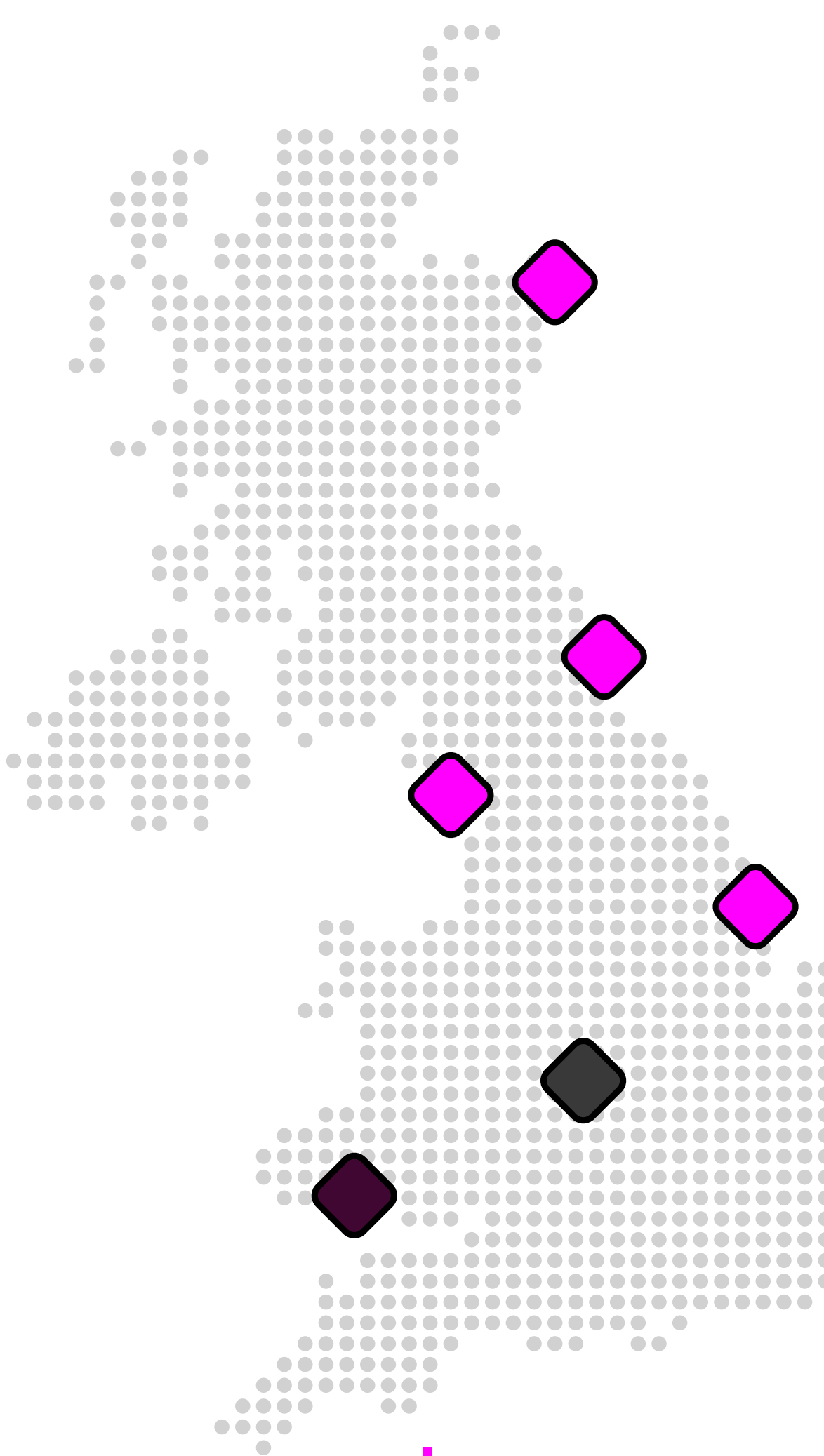


## How was our electricity generated?



Source	Percentage	Change from previous month
Gas	25.3%	8.5% ▲
Wind	26.2%	5.6% ▼
Nuclear	16.3%	1.9% ▼
Biomass	8.3%	1.2% ▲
Coal	0.3%	0.1% ▲
Solar	5.6%	2.4% ▼
Imports	14.8%	0.4% ▲
Hydro	1.8%	0.2% ▼
Storage	1.2%	0.3% ▼

## Where has our gas come from?\*



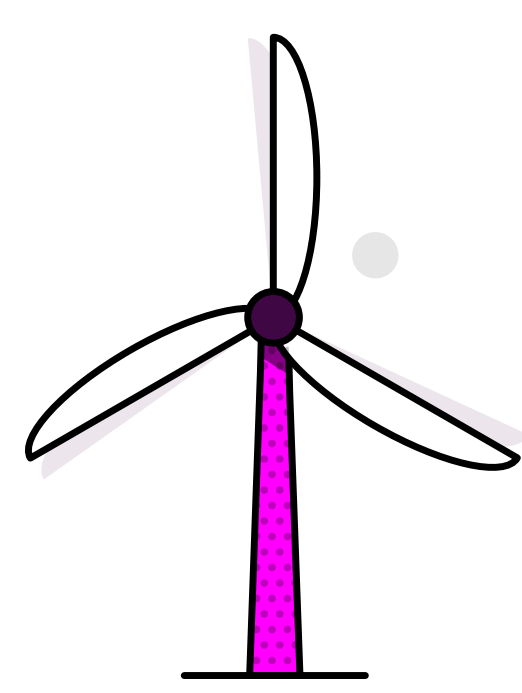
Entry Points	Percentage	Change from previous month
UK/Norwegian gas fields	82%	12% ▼
LNG imports	5%	1% ▲
European imports	0%	0%
Storage withdrawal	13%	11% ▲

## Where is our gas used?

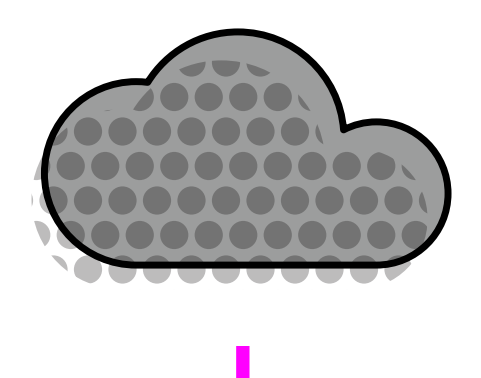
Distribution networks	49%	18% ▲
Power stations	23%	10% ▲
EU & Ireland exports	23%	10% ▼
Industrial	2%	0%
Storage	3%	9% ▼

\*Gas data is yet to reconcile. For most up-to-date gas data, visit [data.nationalgas.com](https://data.nationalgas.com)

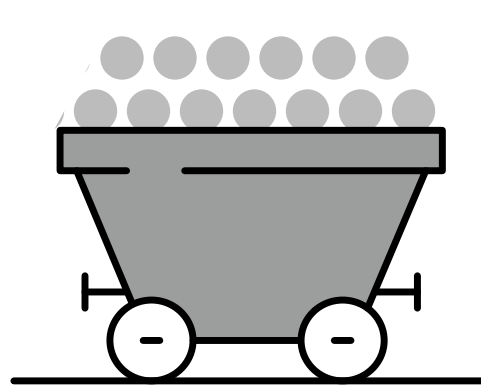
## Carbon intensity of electricity



**Zero carbon** 50% of electricity came from zero carbon sources  
84% peak zero carbon share

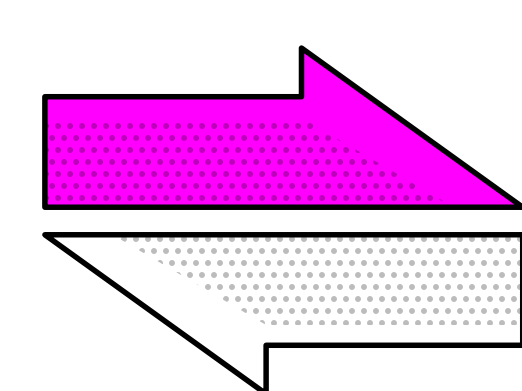


**Carbon intensity** 121 gCO<sub>2</sub>/kWh average  
Greenest time of the month 1pm on 14 September



**Coal** 0.3% use this month  
This time 5 years ago coal usage was 0.8%  
184 consecutive coal free hours

## How much electricity we used



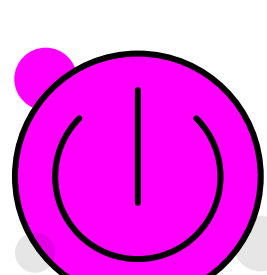
**Imports & exports**



Energy in 3546 GWh

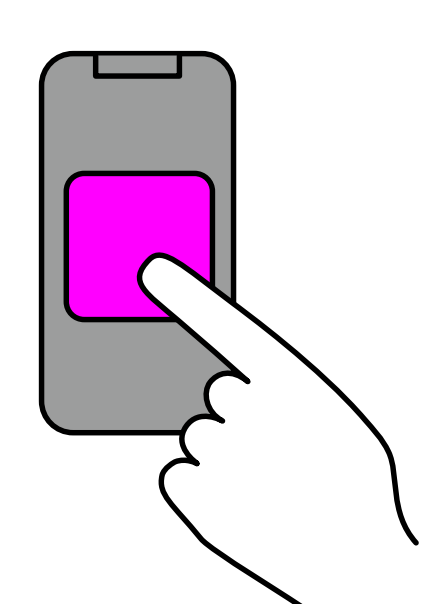
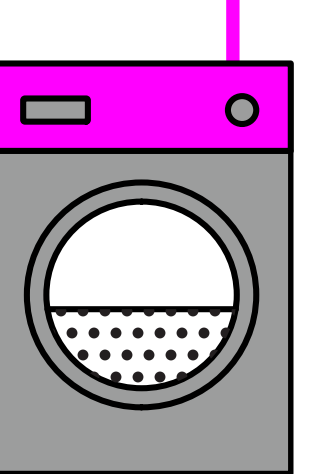


Energy out 881 GWh



**Demand**

20 TWh run through network (that's 20 billion washing machine cycles).  
Peak demand time was 4:30pm on 30 September.



**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](https://carbonintensity.org.uk)