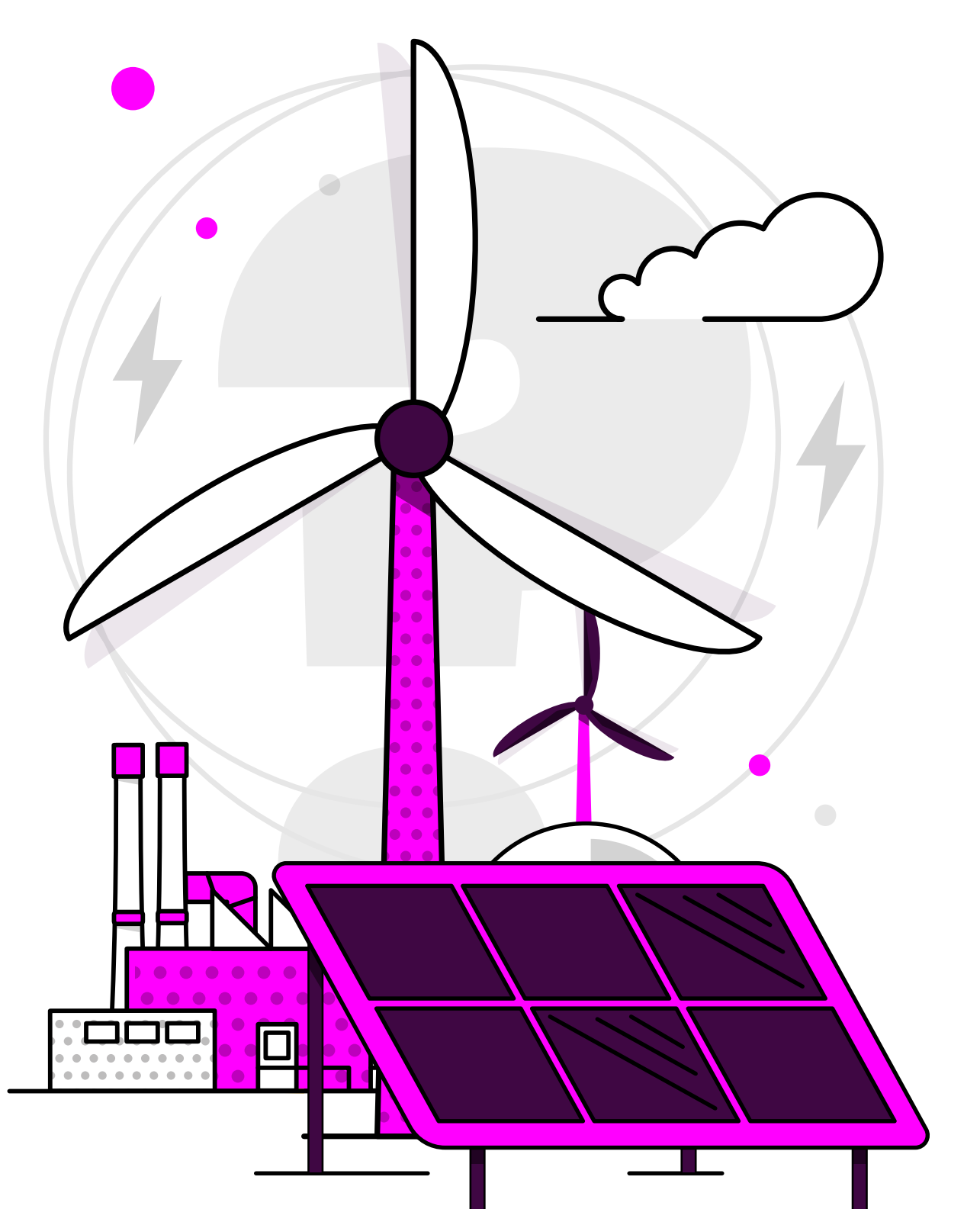


# Britain's Energy Explained: January 2025

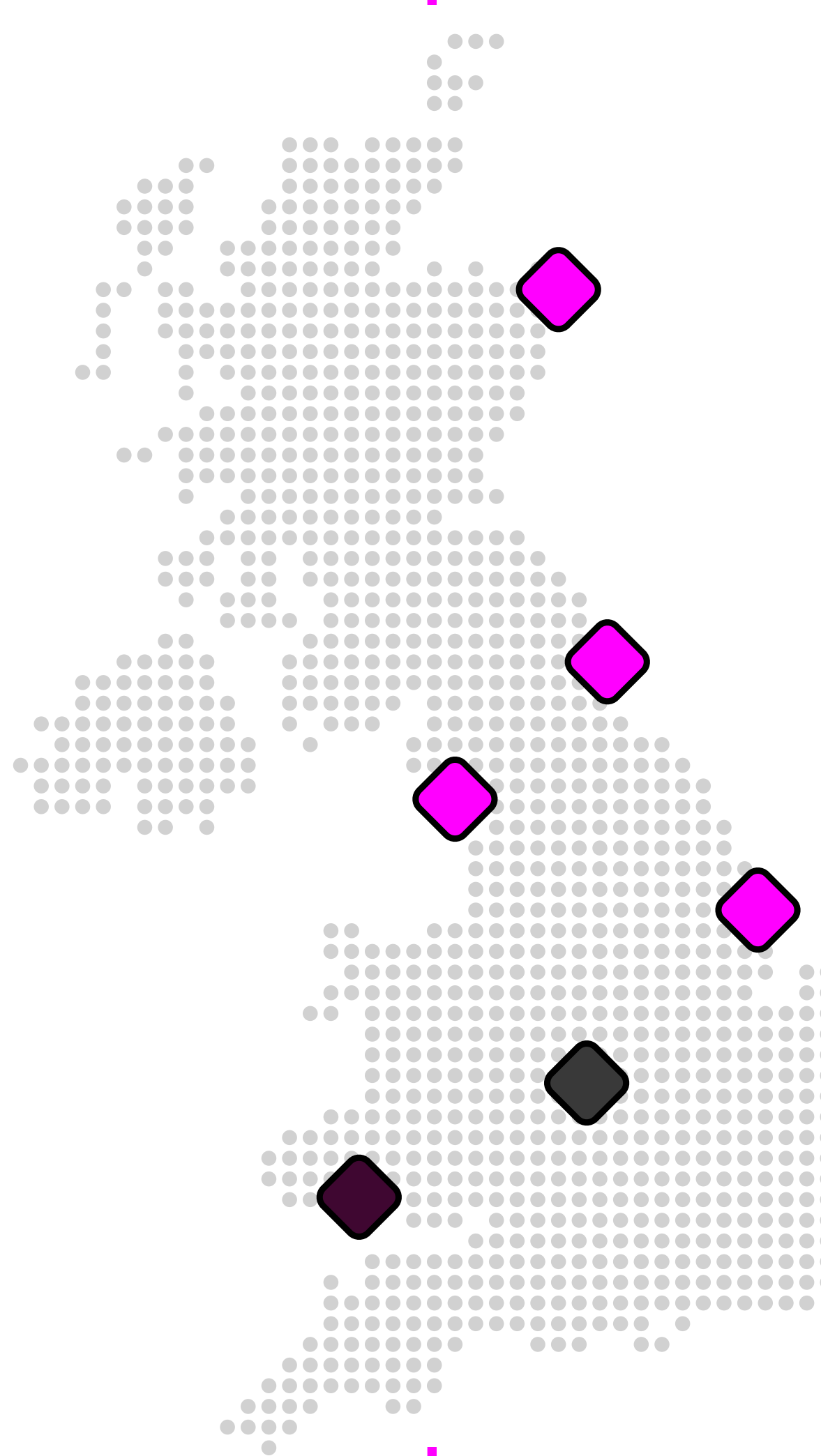


## How was our electricity generated?



|         |       | change from previous month |
|---------|-------|----------------------------|
| Gas     | 38.3% | 9.4% ▲                     |
| Wind    | 26.7% | 12.2% ▼                    |
| Nuclear | 11.5% | 0.3% ▼                     |
| Biomass | 6.4%  | 0.7% ▲                     |
| Solar   | 1.6%  | 0.7% ▲                     |
| Imports | 11.7% | 2.2% ▲                     |
| Hydro   | 2.3%  | 0.6% ▼                     |
| Storage | 1.5%  | 0.1% ▲                     |

## Where has our gas come from?\*



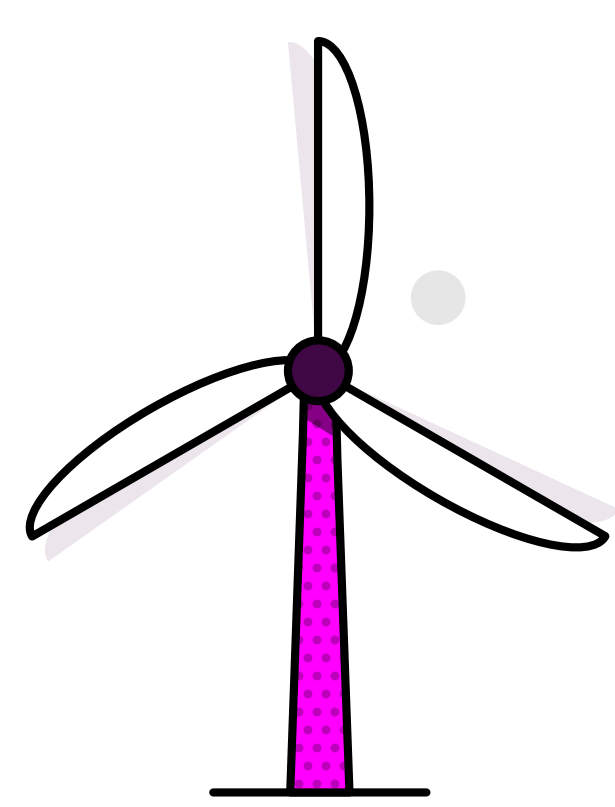
| Entry Points            |     | change from previous month |
|-------------------------|-----|----------------------------|
| UK/Norwegian gas fields | 61% | 7% ▼                       |
| LNG imports             | 22% | 1% ▼                       |
| European imports        | 4%  | 4% ▲                       |
| Storage withdrawal      | 13% | 4% ▲                       |

## Where is our gas used?

|                       |     |      |
|-----------------------|-----|------|
| Distribution networks | 69% | 1% ▲ |
| Power stations        | 20% | 4% ▲ |
| EU & Ireland exports  | 7%  | 1% ▼ |
| Industrial            | 2%  | 0% - |
| Storage               | 2%  | 4% ▼ |

\*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

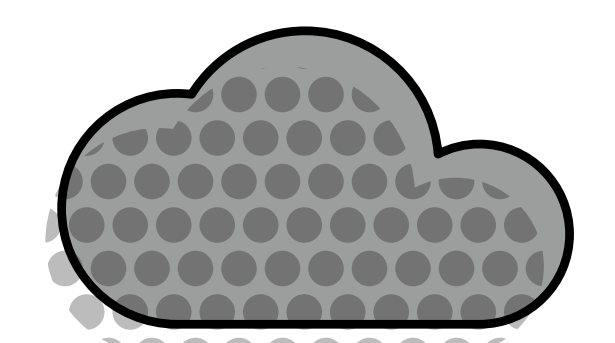


**Zero carbon** 43% of electricity came from zero carbon sources  
87% peak zero carbon share

168 gCO<sub>2</sub>/kWh average

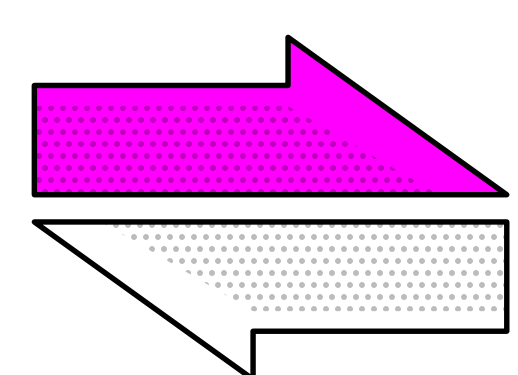
🕒 Greenest time of the month 11am on 1 January

🌿 Lowest carbon intensity 35 gCO<sub>2</sub>/kWh

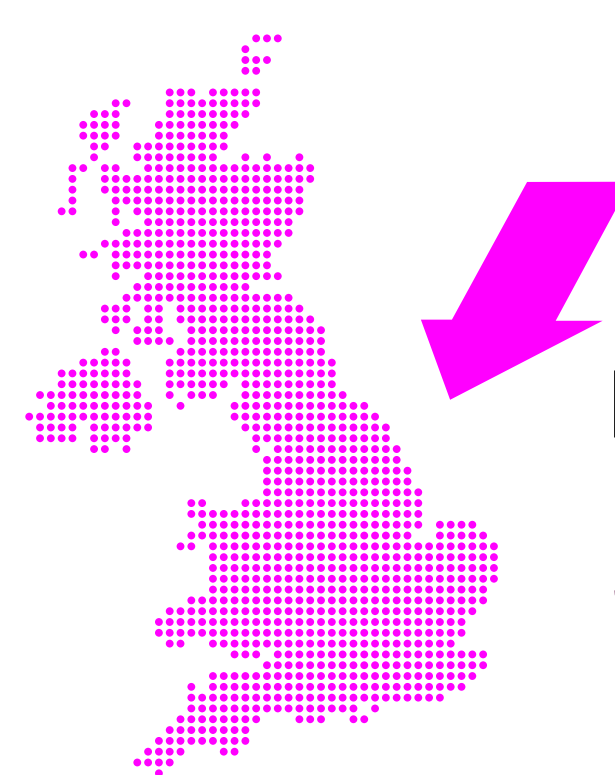


**Carbon intensity**

## How much electricity we used



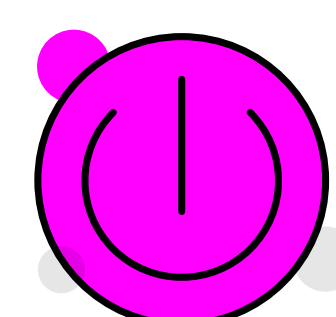
**Imports & exports**



Energy in  
**3,334 GWh**

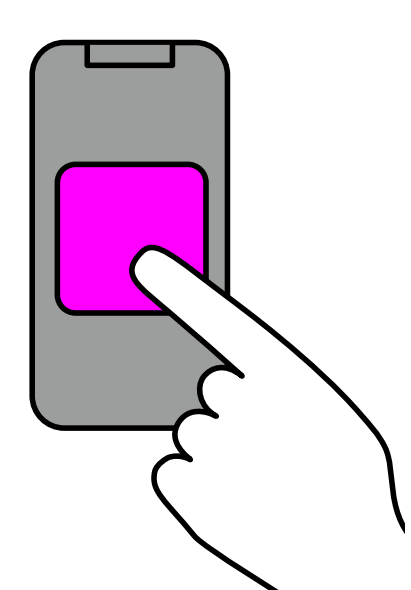
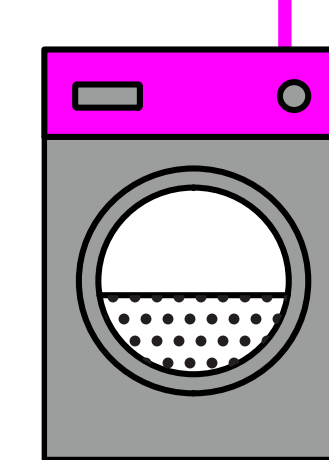


Energy out  
**773 GWh**



**Demand**

**28 TWh** run through network (that's 28 billion washing machine cycles).  
Peak demand time was 5pm on 9 January.



**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)