

# Britain's Electricity Explained: October 2023

## ESO



● Gas	27%
● Wind	33.7%
● Nuclear	13.9%
● Biomass	6%
● Coal	1.6%
● Solar	3.4%
● Imports	10.7%
● Hydro	2.6%
● Storage	1.1%

### Zero carbon



**54%** of electricity came from zero carbon sources  
**84%** peak zero carbon share

### Carbon intensity



**138** gCO<sub>2</sub>/kWh average  Greenest time of the month  
 11:30am on 3 October

### Coal



**1.6%** use this month  
 This time **5 years ago** coal usage was **3.9%**  
**150** consecutive coal free hours

### Imports & exports



Energy in  
**2508 GWh**



Energy out  
**1023 GWh**

### Demand



**21TWh** run through network (that's 21 billion washing machine cycles).  
 Peak demand time was 5:30pm on 30 October.

### View in real-time



To view our data in real-time, please download the ESO app for Apple or Android.  
 Or visit [carbonintensity.org.uk](https://carbonintensity.org.uk)