

**National Electricity
Transmission System Status Report**



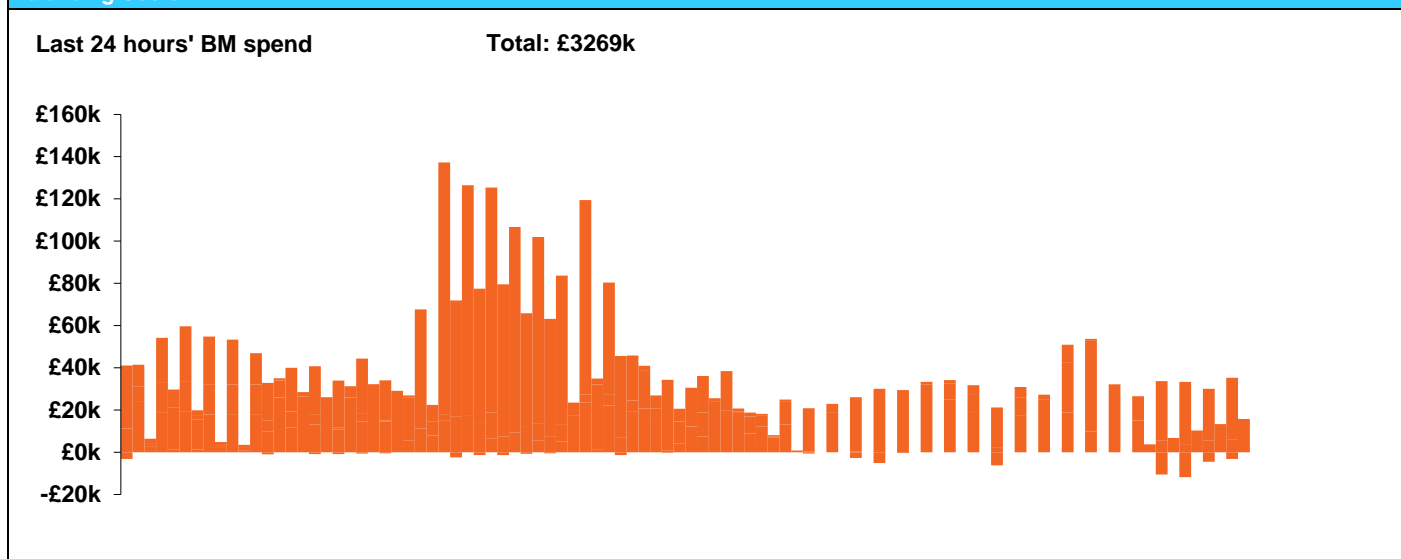
national**grid**ESO

National Electricity Transmission System Status Report
Saturday 21 December 2019

Today's High Level Risk Status Forecast for the next 24h			
General Status		Voltage	
Demand		System Inertia	
System Margins		Weather	
Generation		Transmission	
Active Constraints			

<u>Today's Minimum De-Rated Margin</u>	4496 MW (SP 37)	
<u>System Warnings</u>	None	
Current BMU Largest Loss Risk	Generation	1260MW
	Demand	560MW

Balancing Costs

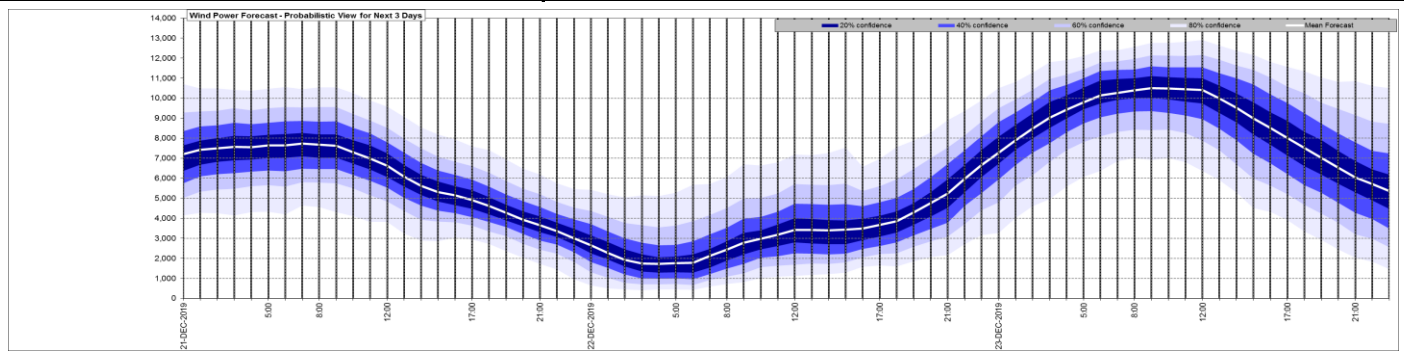


Yesterday's Market Summary

<u>Cash out price (Max)</u>	£63.00/MWh (SP 34-37)
<u>Cash Out Price (Min)</u>	£2.50/MWh (SP 10,20)
<u>Peak Demand Yesterday</u>	41,637 MW

Interconnectors Net Transfer Capacity (MWs)			
Today	Import	Export	
Netherlands (BritNed)	1100	1133	Fully available
France (IFA)	2000	2000	Fully Available
Belgium (Nemo)	1013	1013	Fully Available
Ireland (EWIC)	500	530	Fully Available
Northern Ireland (MOYLE)	395	500	Partially available.

Wind Power Forecast



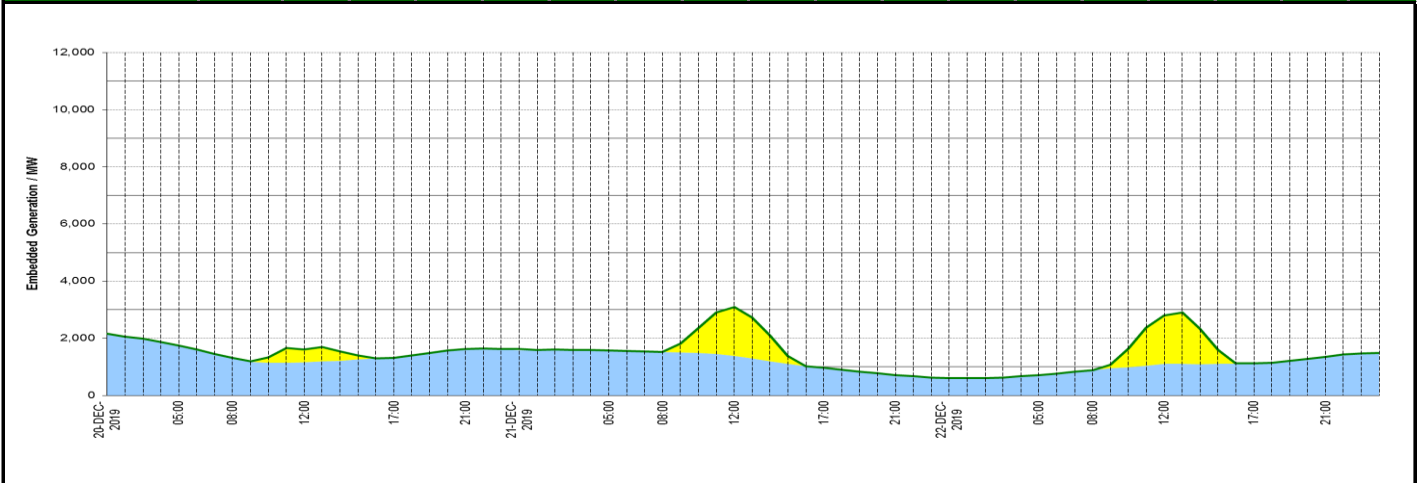
Key:

- 20% confidence
- 40% confidence
- 60% confidence
- 80% confidence
- Mean Forecast

Expected embedded generation (MWs)

Embedded Generation Forecast

	20-DEC-2019					21-DEC-2019					22-DEC-2019						
	05:00	08:00	12:00	17:00	21:00	00:00	05:00	08:00	12:00	17:00	21:00	00:00	05:00	08:00	12:00	17:00	21:00
Solar (MW)	0	0	449	0	0	0	0	0	1711	0	0	0	0	0	1686	0	0
Wind (MW)	1739	1308	1166	1316	1629	1567	1573	1520	1383	962	716	603	709	878	1112	1126	1343
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	1739	1308	1615	1316	1629	1619	1573	1520	3094	962	716	603	709	878	2798	1126	1343



Weather	Source	Commentary
Latest forecast (Summary)	Met Office SEPA Natural Resources Wales	<p>Today: Fog patches across Northern Ireland may be slow to clear. Most parts seeing a mixture of sunny spells and showers, some of the showers heavy near coasts. More persistent rain arriving in southwest England this afternoon, accompanied by strengthening winds.</p> <p>Tonight: Rain in the southwest spreading to other parts of the south, then clearing eastwards. A few showers near western coasts, elsewhere northern parts turning chilly with a few fog patches.</p>
General Weather Concerns e.g. wind, rain, snow, flooding, GB Weather Warnings	Met Office Weather Warnings SEPA Natural Resources Wales	<p>Weather warning Rain warning in southern England.</p> <p>Flood Warnings England 108 Flood Warnings. Wales 2 Flood Warning.</p>

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Further Information	
BM Reports	https://www.bmreports.com
System Balancing Reports	https://www.nationalgrideso.com/balancing-data/system-balancing-reports
Forecast Volumes and Costs	https://www.nationalgrideso.com/balancing-data/forecast-volumes-and-costs
NGESO Insights	https://www.nationalgrideso.com/insights