

**National Electricity
Transmission System Status Report**



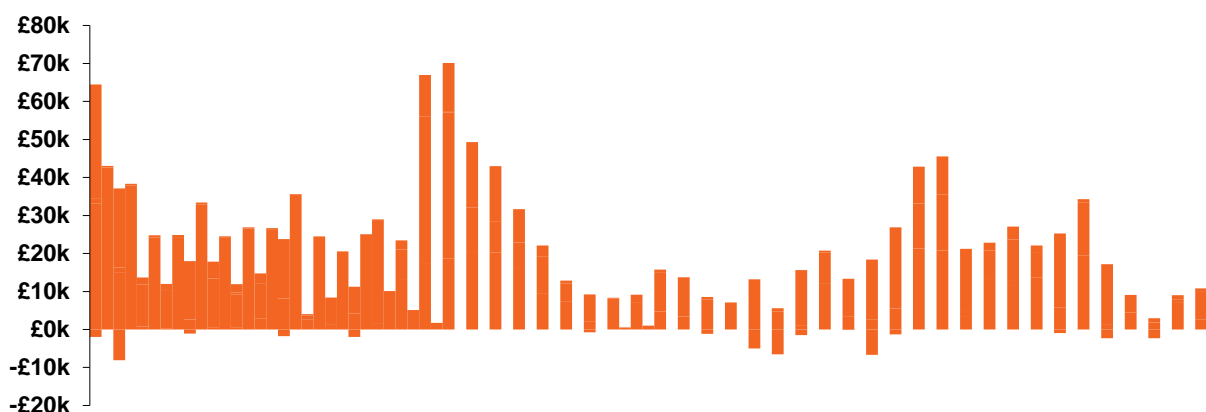
National Electricity Transmission System Status Report
Tuesday 17 December 2019

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>	-685 MW (SP 34)	
<u>System Warnings</u>	None	
Current BMU Largest Loss Risk	Generation	1260MW
	Demand	560MW

Balancing Costs

Last 24 hours' BM spend Total: £1385k

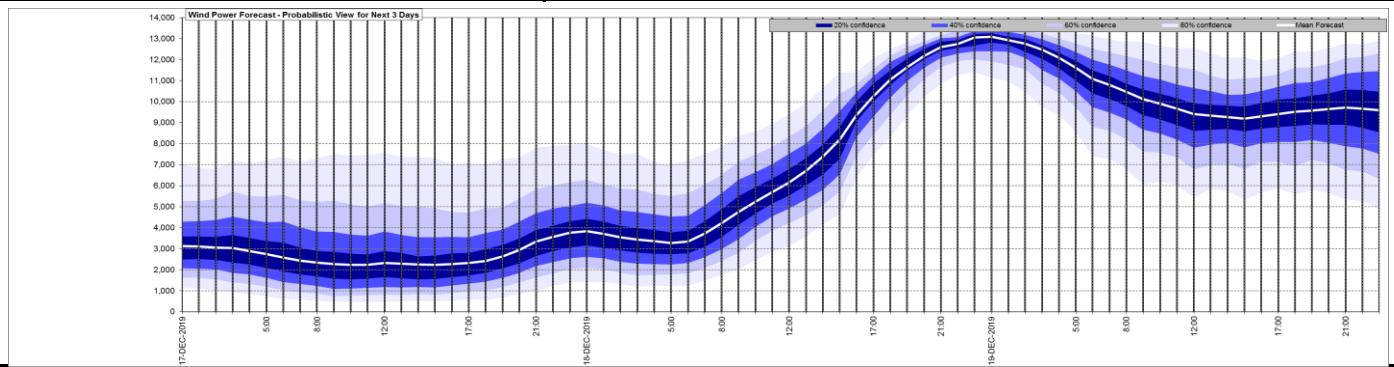


Yesterday's Market Summary

<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



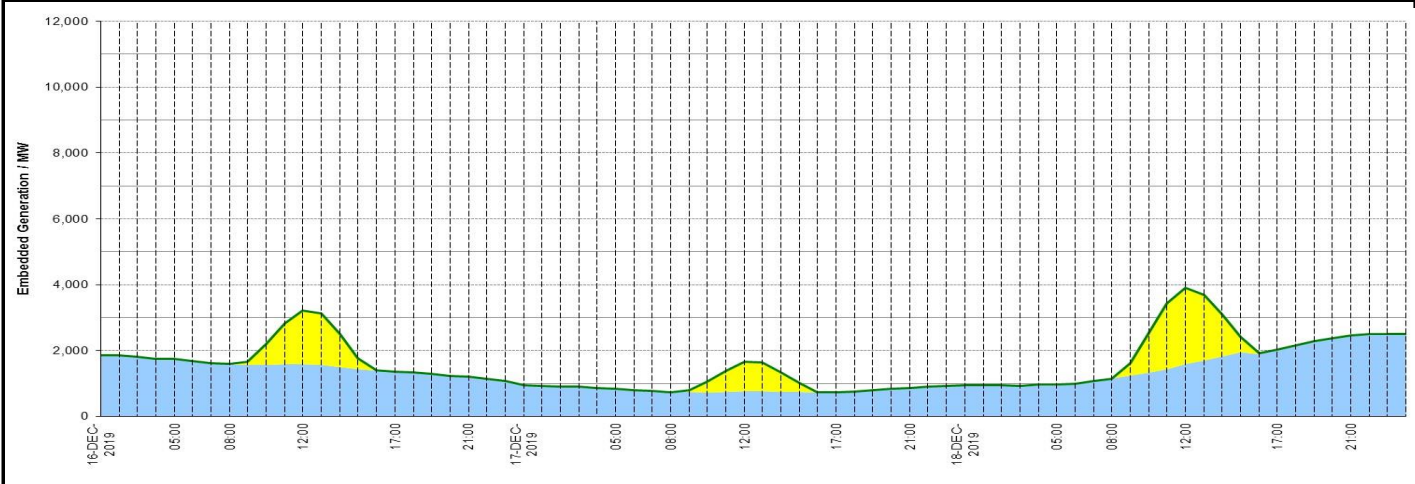
Key:

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

Expected embedded generation (MWs)

Embedded Generation Forecast

	16-DEC-2019					17-DEC-2019					18-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	1640	0	0	0	0	0	893	0	0	0	0	0	2316	0	0
Wind (MW)	1749	1595	1579	1363	1207	941	835	743	766	739	873	947	978	1154	1582	2034	2467
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	1749	1595	3219	1363	1207	941	835	743	1659	739	873	947	978	1154	3898	2034	2467



Weather	Source	Commentary
Latest forecast (Summary)	Met Office SEPA Natural Resources Wales	<p>Today: Cloud and intermittent rain gradually clearing southeast Britain. Aside from odd showers near coasts, especially in Scotland, many other parts will be dry and bright. However fog will be slow to clear in places. Rather cold for most.</p> <p>Tonight: Isolated showers may affect a few coastal fringes but otherwise dry with some clear skies. Frost and fog soon returning, especially across southern and central areas of the UK.</p>
General Weather Concerns e.g. wind, rain, snow, flooding, GB Weather Warnings	Met Office Weather Warnings SEPA Natural Resources Wales	<p>Weather warning</p> <p>Yellow warning of snow Areas affected: Grampian Highlands & Eilean Siar Started at: 16:06 GMT on Mon 16 December Ends: 09:00 GMT on Tue 17 December</p> <p>Yellow warning of ice Areas affected: Grampian Highlands & Eilean Siar Started at: 16:06 GMT on Mon 16 December Ends: 09:00 GMT on Tue 17 December</p> <p>Yellow warning of wind Areas affected: Northern Ireland SW Scotland, Lothian Borders South West England Strathclyde Wales Starts: 14:00 GMT on Wed 18 December Ends: 03:00 GMT on Thu 19 December</p> <p>Flood Warnings England 11 Flood Warnings England 102 Flood Alerts Scotland no Flood Warnings Wales 4 Flood Alerts</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