

**National Electricity
Transmission System Status Report**

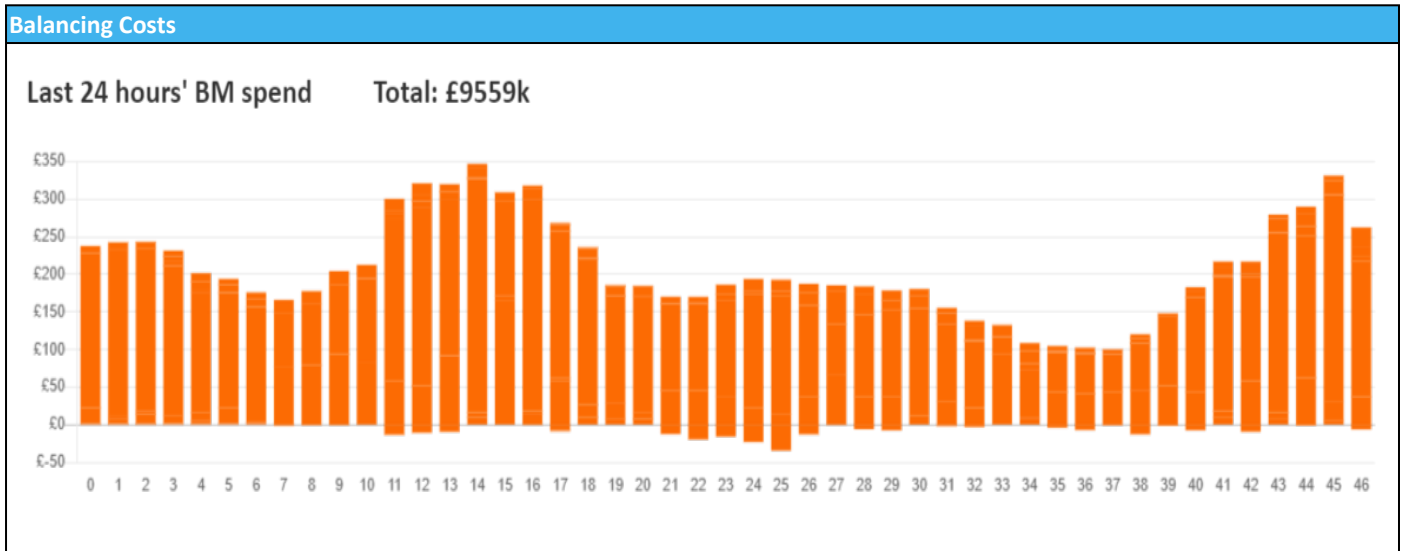


national**grid**ESO

National Electricity Transmission System Status Report
Sunday 17 December 2023

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

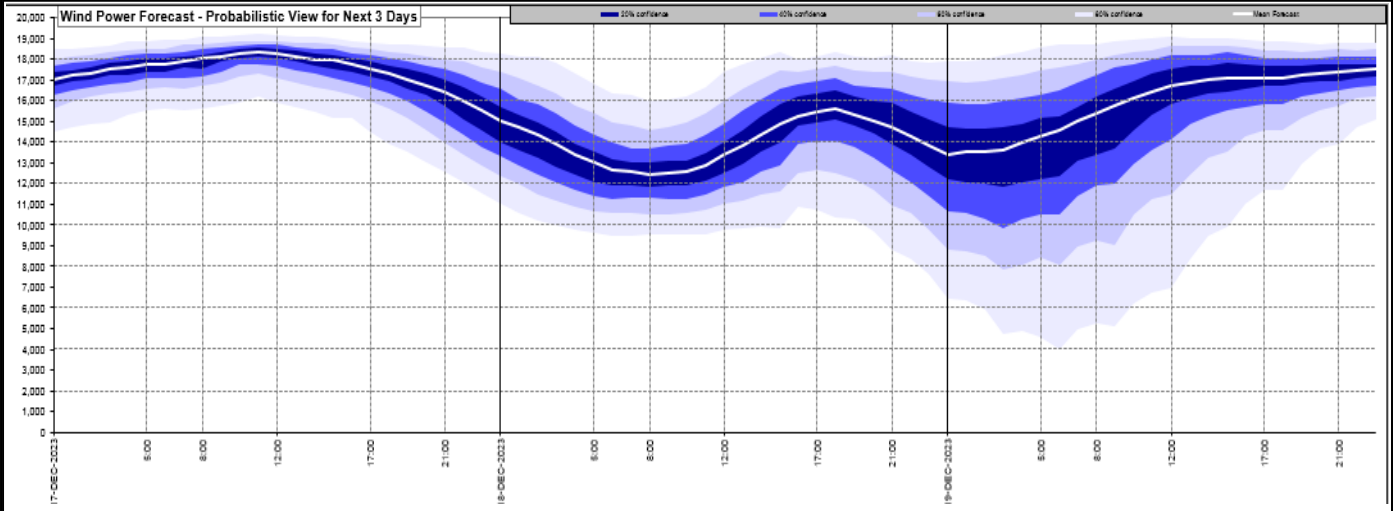
Today's Minimum De-Rated Margin	21619 (SP 34)	
Current BMU Largest Loss Risk	Generation	1500 MW
	Demand	560 MW



Yesterday's Market Summary	
Cash Out Price (Max)	£90.00 (SP 21,36)
Cash Out Price (Min)	£00.00 (SP 17,29,35)
Peak Demand Yesterday	36,233 MW
Minimum Demand	18,800 MW

Interconnector Net Transfer Capacity (MWs)			
Today	Import	Export	Remarks
Netherlands (BritNed)	1000	1000	Fully Available
France (IFA)	2000	2000	Fully Available
Belgium (Nemo)	1000	1025	Fully Available
Ireland (EWIC)	500	530	Fully Available
France (ElecLink)	1000	1000	Fully Available
Northern Ireland (MOYLE)	500	500	Fully Available
Norway (NSL)	1424	1424	Fully Available
France (IFA2)	0	0	Unavailable
Viking Link	0	0	Not yet commissioned

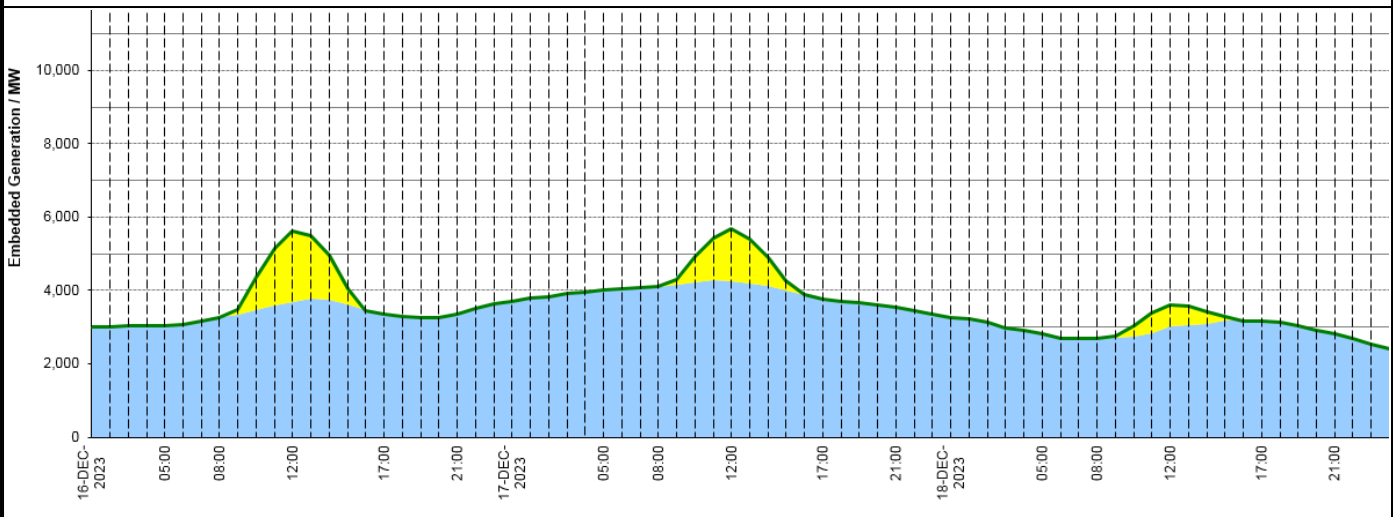
Wind Power Forecast



Expected embedded generation (MWs)

Embedded Generation Forecast

	16-DEC-2023					17-DEC-2023					18-DEC-2023						
	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	1919	0	0	0	0	0	1431	0	0	0	0	0	578	0	0
Wind (MW)	3025	3271	3695	3364	3349	3702	4021	4105	4267	3773	3538	3249	2815	2680	3025	3153	2812
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	3025	3271	5614	3364	3349	3702	4021	4105	5698	3773	3538	3249	2815	2680	3603	3153	2812



Weather	Source	Commentary
Latest forecast (Summary)	Met Office SEPA Natural Resources Wales	<p>Today: Little change in the weather. Largely cloudy, with heavy rain still affecting western Scotland, leading to the risk of some flooding here. Very mild and staying windy in the north.</p> <p>Tonight: Staying largely cloudy, windy and very mild for many parts overnight, with clear spells largely confined to the east of high ground. Persistent heavy rain continuing across western Scotland, with some light rain and drizzle on western hills further south.</p>
General Weather Concerns e.g. wind, rain, snow, flooding, GB Weather Warnings	Met Office Weather Warnings SEPA Natural Resources Wales	<p>UK Weather Warnings Yellow warning of rain Areas affected: Central, Tayside & Fife Highlands & Eilean Siar Strathclyde</p> <p>ACTIVE Started at: 18:00 GMT on Sat 16 December Ends: 06:00 GMT on Mon 18 December</p> <p>A prolonged period of heavy rain this weekend is expected to lead to some flooding and travel disruption</p> <ul style="list-style-type: none"> - Some communities may be cut off by flooded roads - Fast flowing or deep floodwater is possible, causing a danger to life - Delays or cancellations to train and bus services are possible

Weather	Source	Commentary
		<ul style="list-style-type: none"> - Spray and flooding could lead to difficult driving conditions and some road closures - There is a small chance that homes and businesses could be flooded, causing damage to some buildings - There is a slight chance of power cuts and loss of other services to some homes and businesses <p>Issued at: 10:11 GMT on Thu 14 December Last updated: 2 days ago</p> <p>Amber warning of rain Areas affected: Highlands & Eilean Siar Strathclyde</p> <p>ACTIVE Started at: 00:00 GMT on Sun 17 December Ends: 23:59 GMT on Sun 17 December Persistent, heavy rain is likely to cause significant travel disruption and flooding</p> <ul style="list-style-type: none"> - A good chance some communities will be cut off by blocked roads - Fast flowing or deep floodwater is likely, causing danger to life - Delays and some cancellations to train and bus services are likely - Spray and flooding probably leading to difficult driving conditions and some road closures - Homes and businesses could be flooded, causing damage to some buildings - There is a slight chance of power cuts and loss of other services to some homes and businesses <p>Flood Warnings 17 flood warnings and 73 flood alerts issued for England. 1 flood warnings and 5 flood alerts issued for Scotland. 0 flood warnings and 0 flood alert issued for Wales</p>

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