

**National Electricity
Transmission System Status Report**

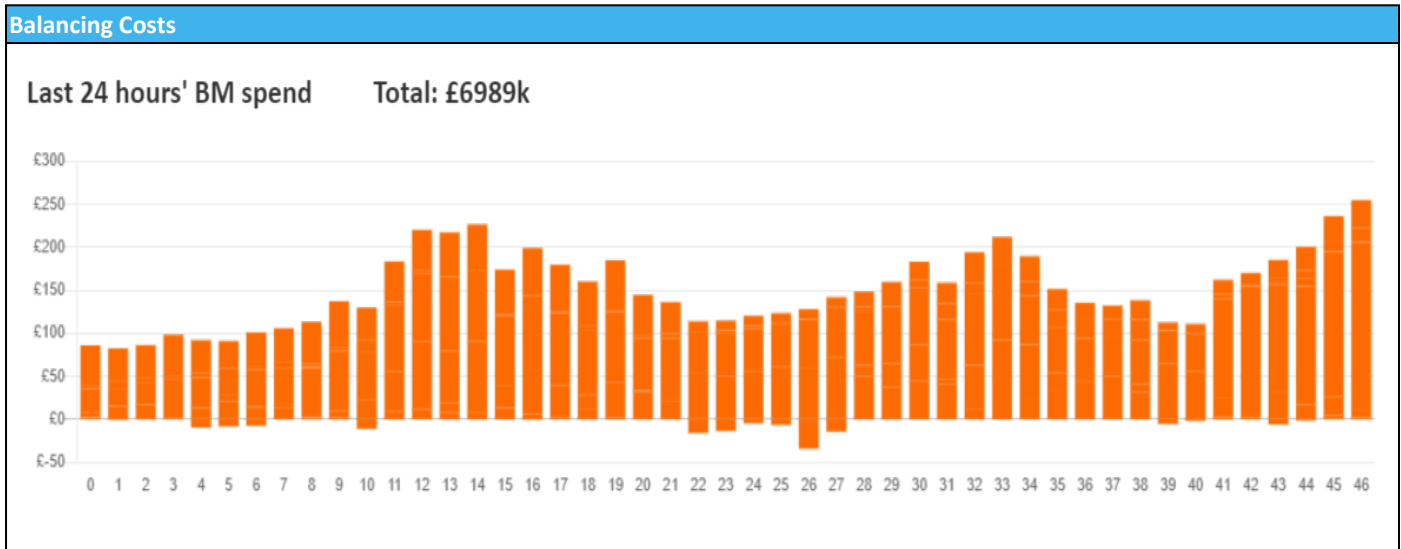


national**grid**ESO

National Electricity Transmission System Status Report
Saturday 20 January 2024

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			

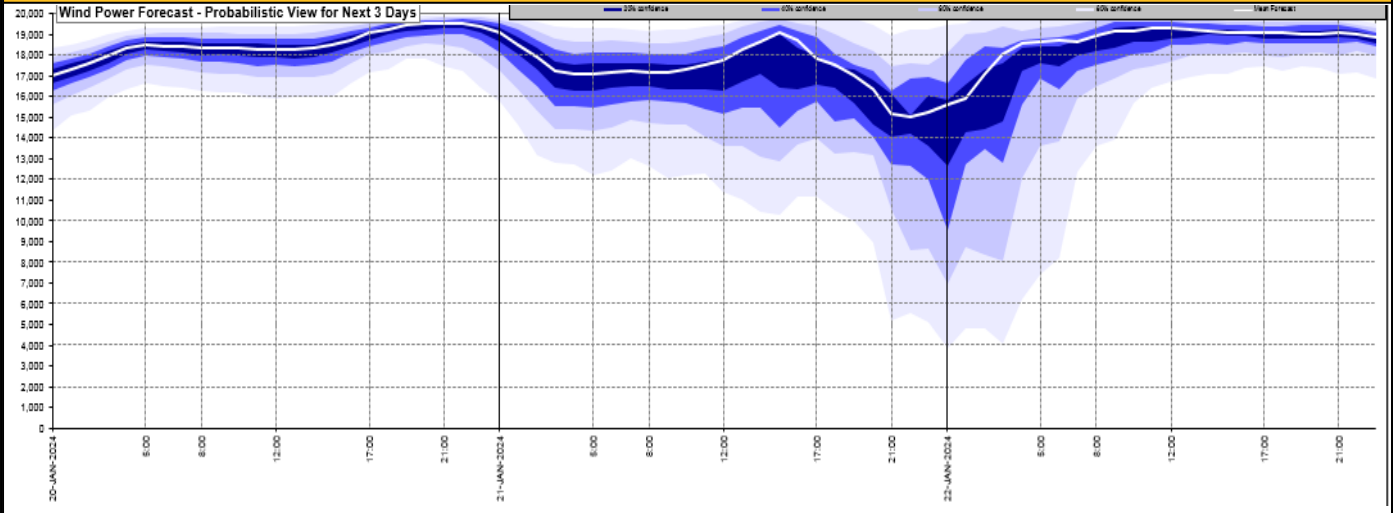
Today's Minimum De-Rated Margin	18,824.12 (SP 36)	
Current BMU Largest Loss Risk	Generation	1400 MW
	Demand	560 MW



Yesterday's Market Summary	
Cash Out Price (Max)	£ 103.00 (SP 18)
Cash Out Price (Min)	£ 25.00 (SP 5)
Peak Demand Yesterday	44,650 MW
Minimum Demand	26,627 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	1000	Fully Available
Ireland (EWIC)	500	500	Fully Available
France (ElecLink)	1000	1000	Fully Available
Northern Ireland (MOYLE)	500	500	Fully Available
Norway (NSL)	1400	1400	Fully Available
France (IFA2)	0	0	Unavailable
Viking Link	1430	1430	Fully Available

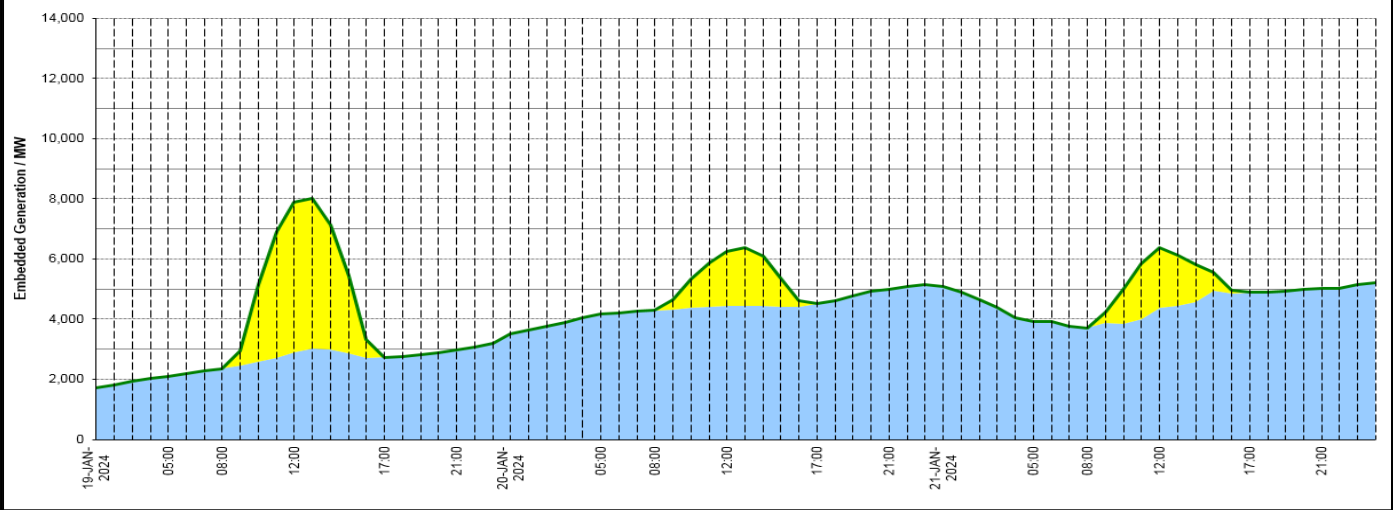
Wind Power Forecast



Expected embedded generation (MWs)

Embedded Generation Forecast

	19-JAN-2024					20-JAN-2024					21-JAN-2024						
	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	4970	0	0	0	0	0	1820	0	0	0	0	0	1997	0	0
Wind (MW)	2106	2349	2912	2733	2987	3498	4163	4298	4439	4507	5003	5089	3922	3716	4365	4891	5010
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	2106	2349	7882	2733	2987	3498	4163	4298	6259	4507	5003	5089	3922	3716	6362	4891	5010



Weather	Source	Commentary
Latest forecast (Summary)	Met Office SEPA Natural Resources Wales	<p>Today: A cloudy and breezy start for many and milder than recent days. Patchy rain turning more persistent in the west later. Staying dry for much of the east of England and Scotland. Milder with any lying snow continuing to melt.</p> <p>Tonight: Winds strengthening through the evening with gales and possibly severe gales for exposed western coasts. Further pulses of heavy rain especially for western parts. Largely dry for the southeast. Mild.</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 ice Areas affected: Highlands & Eilean Siar Orkney & Shetland</p> <p>ACTIVStarted at: 17:00 GMT on Fri 19 JanuaryEnds: 09:00 GMT on Sat 20 January Ice may lead to some travel disruption on Friday night and early Saturday.</p> <p>- Some injuries from slips and falls on icy surfaces - Some icy patches on some untreated roads, pavements and cycle paths Issued at: 10:32 GMT on Fri 19 January</p> <p>Yellow warning of rain Areas affected: Central, Tayside & Fife Highlands & Eilean Siar Strathclyde</p>

Weather	Source	Commentary
		<p>Starts: 17:00 GMT on Sat 20 January Ends: 23:59 GMT on Sat 20 January Heavy rain will lead to a risk of flooding and some transport disruption on Saturday evening.</p> <ul style="list-style-type: none"> - Spray and flooding on roads probably making journey times longer - Bus and train services probably affected with journey times taking longer <p>Issued at: 11:16 GMT on Fri 19 January</p>
		<p>Yellow warning of rain Areas affected: North East England North West England Yorkshire & Humber</p>
		<p>Starts: 06:00 GMT on Sun 21 January Ends: 06:00 GMT on Mon 22 January Heavy rain likely to lead to disruption from flooding across parts of northern England on Sunday and early Monday.</p> <ul style="list-style-type: none"> - Flooding of a few homes and businesses is likely - Bus and train services probably affected with journey times taking longer - Spray and flooding on roads probably making journey times longer - Some interruption to power supplies and other services likely <p>Issued at: 11:15 GMT on Thu 18 January</p>
		<p>Yellow warning of rain Areas affected: Wales</p>
		<p>Starts: 06:00 GMT on Sun 21 January Ends: 06:00 GMT on Mon 22 January Heavy rain is likely to lead to disruption from flooding across parts of Wales on Sunday and early Monday.</p> <ul style="list-style-type: none"> - Flooding of a few homes and businesses is likely - Bus and train services probably affected with journey times taking longer - Spray and flooding on roads probably making journey times longer - Some interruption to power supplies and other services likely <p>Issued at: 11:15 GMT on Thu 18 January</p>
<p>Yellow warning of wind Areas affected: Central, Tayside & Fife East Midlands East of England Grampian Highlands & Eilean Siar London & South East England North East England North West England Northern Ireland Orkney & Shetland SW Scotland, Lothian Borders South West England Strathclyde Wales West Midlands Yorkshire & Humber</p>		
<p>Starts: 12:00 GMT on Sun 21 January Ends: 12:00 GMT on Mon 22 January Strong winds associated with Storm Isha may bring disruption to travel and utilities across parts of the UK on Sunday and Monday.</p> <ul style="list-style-type: none"> - Injuries and danger to life from flying debris are possible - Some damage to buildings, such as tiles blown from roofs, could happen - Road, rail, air and ferry services may be affected, with longer journey times and cancellations possible - Some roads and bridges may close - Power cuts may occur, with the potential to affect other services, such as mobile phone coverage - Injuries and danger to life could occur from large waves and beach material being thrown onto sea fronts, coastal roads and properties <p>Issued at: 10:33 GMT on Wed 17 January Last updated: 19 hours ago</p>		
<p>Yellow warning of rain Areas affected: Central, Tayside & Fife Grampian Highlands & Eilean Siar SW Scotland, Lothian Borders Strathclyde</p>		
<p>Starts: 15:00 GMT on Sun 21 January Ends: 23:59 GMT on Sun 21 January Heavy rain will lead to some flooding and transport disruption on Sunday.</p>		

Weather	Source	Commentary
		<p>- Where flooding occurs, there is a slight chance of delays or cancellations to train and bus services</p> <p>- Spray and flooding could lead to difficult driving conditions and some road closures</p> <p>- There is a small chance that homes and businesses could be flooded, causing damage to some buildings</p> <p>Issued at: 11:53 GMT on Thu 18 January Last updated: 18 hours ago</p> <p>Amber warning of wind Areas affected: Central, Tayside & Fife North East England North West England Northern Ireland SW Scotland, Lothian Borders South West England Strathclyde Wales Yorkshire & Humber</p> <p>Starts: 18:00 GMT on Sun 21 January Ends: 09:00 GMT on Mon 22 January Storm Isha will bring a spell of very strong winds during Sunday evening into Monday. Disruption to travel and utilities is likely.</p> <p>- Longer journey times and cancellations likely, as road, rail, air and ferry services may be affected</p> <p>- Some roads and bridges likely to close</p> <p>- Probably some damage to buildings, such as tiles blown from roofs</p> <p>- There is a good chance that power cuts may occur, with the potential to affect other services, such as mobile phone coverage</p> <p>- Injuries and danger to life is likely from large waves and beach material being thrown onto coastal roads, sea fronts and properties</p> <p>Issued at: 09:48 GMT on Fri 19 January</p> <p>Amber warning of wind Areas affected: London & South East England</p> <p>Starts: 00:00 GMT on Mon 22 January Ends: 09:00 GMT on Mon 22 January Storm Isha will bring a spell of very strong winds during Monday with disruption to travel likely.</p> <p>- Longer journey times and cancellations likely, as road, rail, air and ferry services may be affected</p> <p>- Some roads and bridges likely to close</p> <p>- Probably some damage to buildings, such as tiles blown from roofs</p> <p>- Injuries and danger to life is likely from large waves and beach material being thrown onto coastal roads, sea fronts and properties</p> <p>- There is a good chance that power cuts may occur, with the potential to affect other services, such as mobile phone coverage</p> <p>Issued at: 09:48 GMT on Fri 19 January</p> <p>Flood Warnings</p> <p>8 flood warnings and 52 flood alerts issued for England.</p> <p>0 flood warnings and 6 flood alerts issued for Scotland.</p> <p>0 flood warning and 0 flood alerts 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