

National Electricity Transmission System Status Report

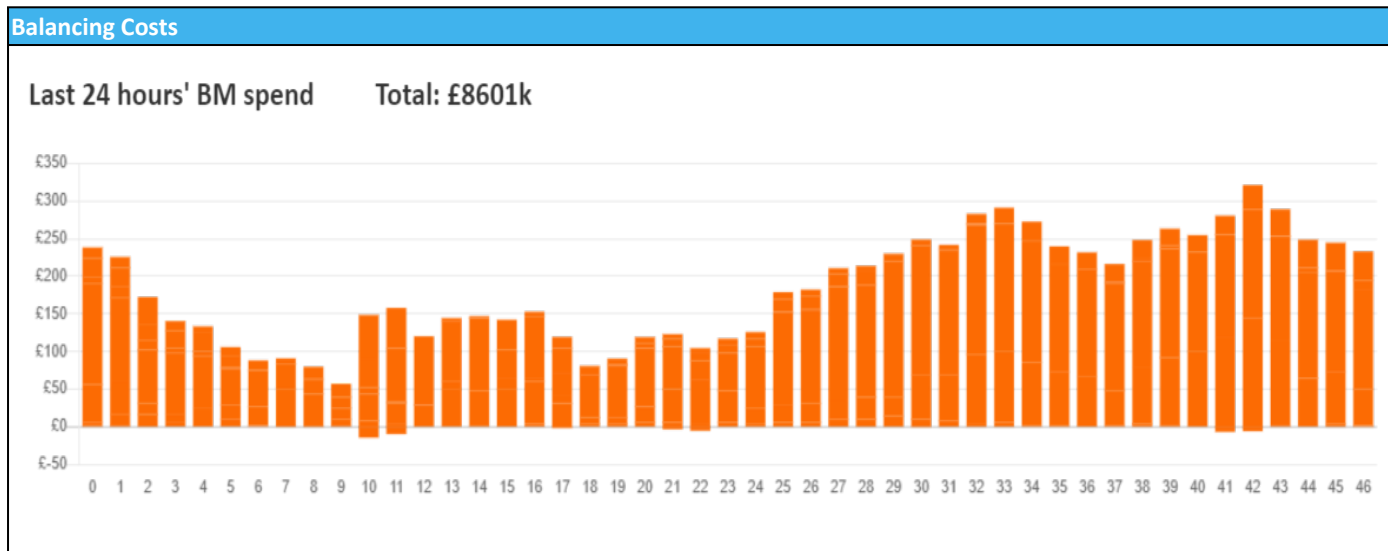


nationalgridESO

National Electricity Transmission System Status Report
Sunday 21 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			

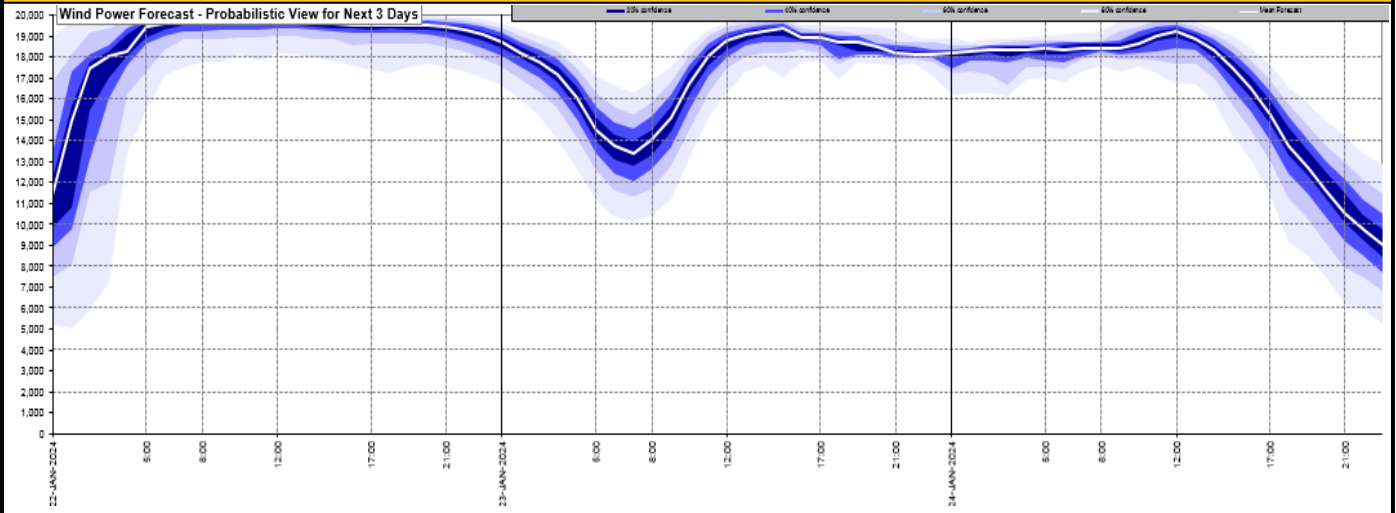
Today's Minimum De-Rated Margin	12,876.51 (SP 36)	
Current BMU Largest Loss Risk	Generation	1400 MW
	Demand	560 MW



Yesterday's Market Summary	
Cash Out Price (Max)	£ 93.5 (SP 43)
Cash Out Price (Min)	£ 0.00 (SP 17)
Peak Demand Yesterday	37,693 MW
Minimum Demand	20,766 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

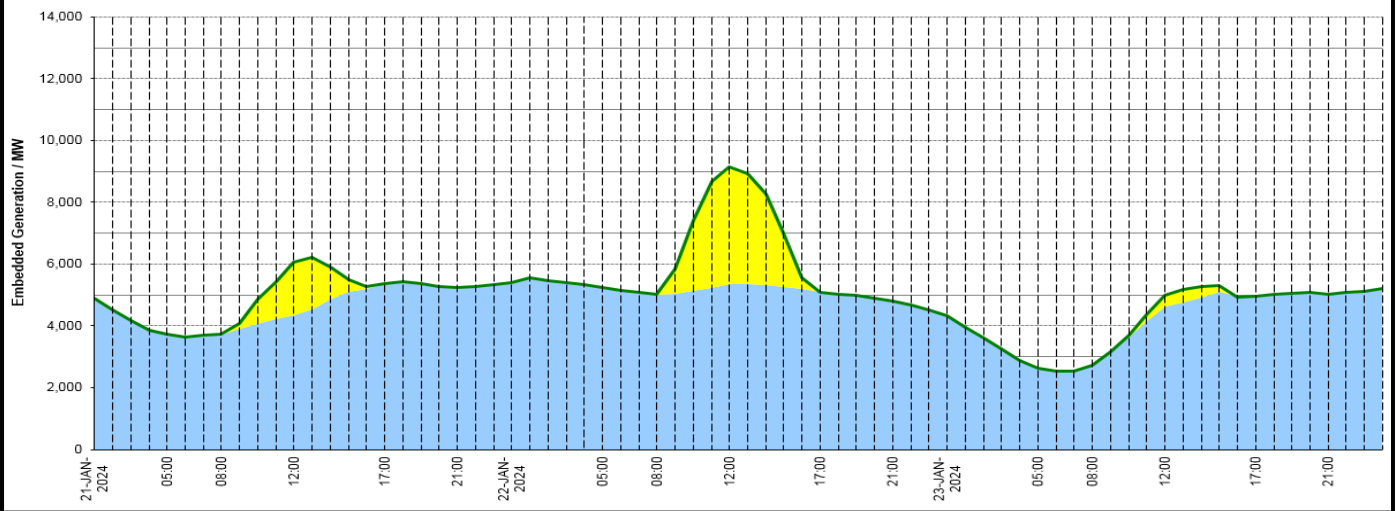
Wind Power Forecast



Expected embedded generation (MWs)

Embedded Generation Forecast

	21-JAN-2024					22-JAN-2024					23-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	1694	0	0	0	0	0	3797	0	0	0	0	0	358	0	0
Wind (MW)	3723	3721	4354	5379	5239	5413	5244	5013	5340	5099	4807	4317	2620	2720	4629	4947	5030
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	3723	3721	6048	5379	5239	5413	5244	5013	9137	5099	4807	4317	2620	2720	4987	4947	5030



Weather	Source	Commentary
Latest forecast (Summary)	Met Office SEPA Natural Resources Wales	<p>Today: Storm Isha will gradually pull away from the UK, though it will remain windy for all, with a mixture of sunny spells and scattered showers. The showers will be heaviest and most frequent in the north and west. Feeling chilly.</p> <p>Tonight: Showers will generally ease through the evening, though will continue across the northwest of the UK through the night. Dry, with clear spells elsewhere. Winds easing for a time.</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 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>ACTIVEStarted at: 12:00 GMT on Sun 21 JanuaryEnds: 12:00 GMT on Mon 22 January Strong winds associated with Storm Isha are likely to bring some disruption to travel and utilities across 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

Weather	Source	Commentary
		<p>cancellations possible</p> <ul style="list-style-type: none"> - 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: 2 days ago</p> <p>Amber warning of wind Areas affected: Central, Tayside & Fife Grampian Highlands & Eilean Siar North East England North West England Northern Ireland Orkney & Shetland SW Scotland, Lothian Borders Strathclyde Yorkshire & Humber</p> <p>ACTIVE Started at: 18:00 GMT on Sun 21 January Ends: 06:00 GMT on Mon 22 January A spell of very strong, perhaps damaging, winds associated with Storm Isha is likely to bring disruption to transport and infrastructure.</p> <ul style="list-style-type: none"> - Flying debris could result in a danger to life - Damage to buildings and homes is possible, with roofs blown off and power lines brought down - Roads, bridges and railway lines may close, with delays and cancellations to bus, train, ferry services and flights - Power cuts could occur and affect other services, such as mobile phone coverage - There is potential for large waves and beach material being thrown onto sea fronts, coastal roads and properties
		<p>Issued at: 09:54 GMT on Sat 20 January Last updated: 19 hours ago</p> <p>Amber warning of wind Areas affected: East Midlands East of England London & South East England North East England North West England South West England Wales West Midlands Yorkshire & Humber</p> <p>ACTIVE Started at: 18:00 GMT on Sun 21 January Ends: 06:00 GMT on Mon 22 January Storm Isha will bring a spell of very strong winds during Sunday evening and into Monday. Disruption to travel and utilities is likely.</p> <ul style="list-style-type: none"> - Longer journey times and cancellations likely, as road, rail, air and ferry services may be affected - Some roads and bridges likely to close - Probably some damage to buildings, such as tiles blown from roofs - There is a good chance that power cuts may occur, with the potential to affect other services, such as mobile phone coverage - Injuries and danger to life is likely from large waves and beach material being thrown onto coastal roads, sea fronts and properties <p>Issued at: 09:48 GMT on Fri 19 January Last updated: 19 hours ago</p> <p>Yellow warning of wind Areas affected: Central, Tayside & Fife East Midlands Grampian Highlands & Eilean Siar North East England North West England Northern Ireland Orkney & Shetland SW Scotland, Lothian Borders Strathclyde Wales Yorkshire & Humber</p> <p>Starts: 16:00 GMT on Tue 23 January Ends: 12:00 GMT on Wed 24 January Strong winds are expected from Tuesday evening into Wednesday morning with disruption to travel and utilities possible</p> <ul style="list-style-type: none"> - Road, rail, air and ferry services may be affected, with longer journey times and cancellations possible

Weather	Source	Commentary
		<ul style="list-style-type: none"> - Some roads and bridges may close - Power cuts may occur, with the potential to affect other services, such as mobile phone coverage - Some damage to buildings, such as tiles blown from roofs, could happen - 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: 09:59 GMT on Sat 20 January Last updated: 19 hours ago</p> <p>Flood Warnings 29 flood warnings and 96 flood alerts issued for England.</p> <p>50 flood warnings and 17 flood alerts issued for Scotland.</p> <p>6 flood warning and 36 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