

**National Electricity
Transmission System Status Report**

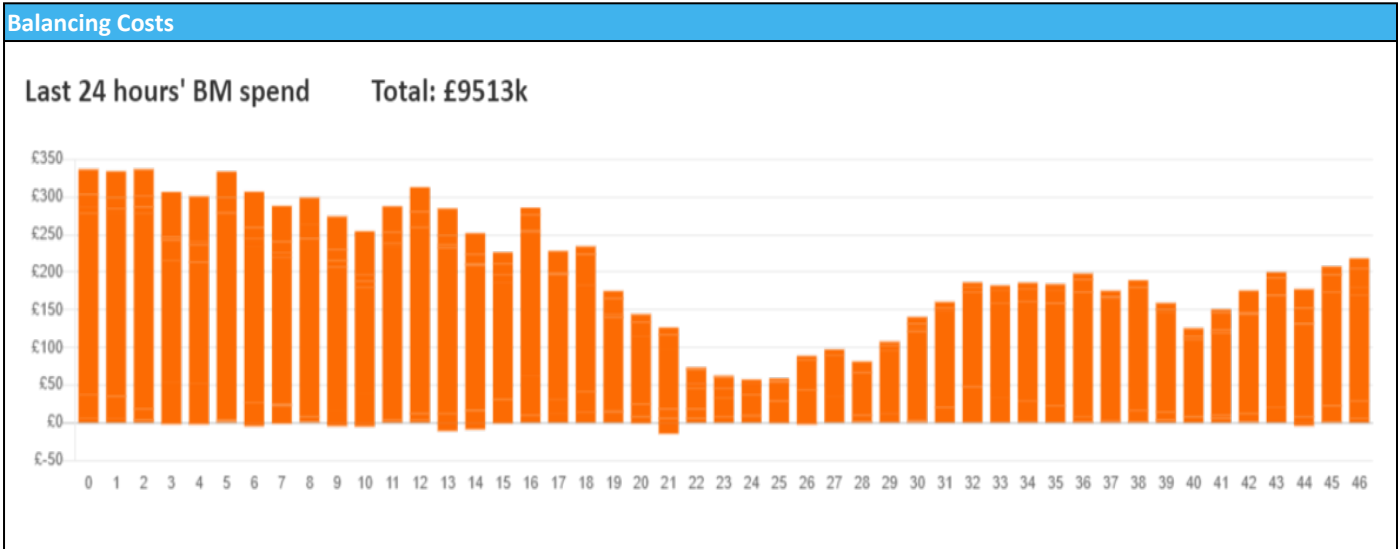


national**grid**ESO

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			

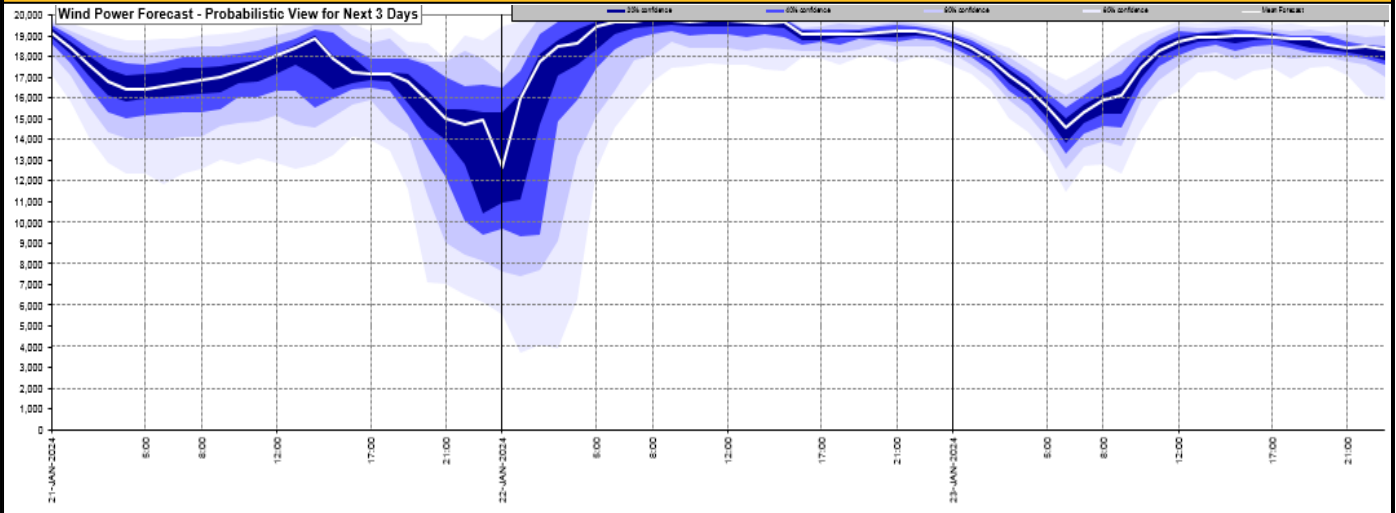
Today's Minimum De-Rated Margin	15,905.9 (SP 35)	
Current BMU Largest Loss Risk	Generation	1400 MW
	Demand	560 MW



Yesterday's Market Summary	
Cash Out Price (Max)	£ 94.3 (SP 28)
Cash Out Price (Min)	£ 25.00 (SP 5)
Peak Demand Yesterday	38,373 MW
Minimum Demand	22,313 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

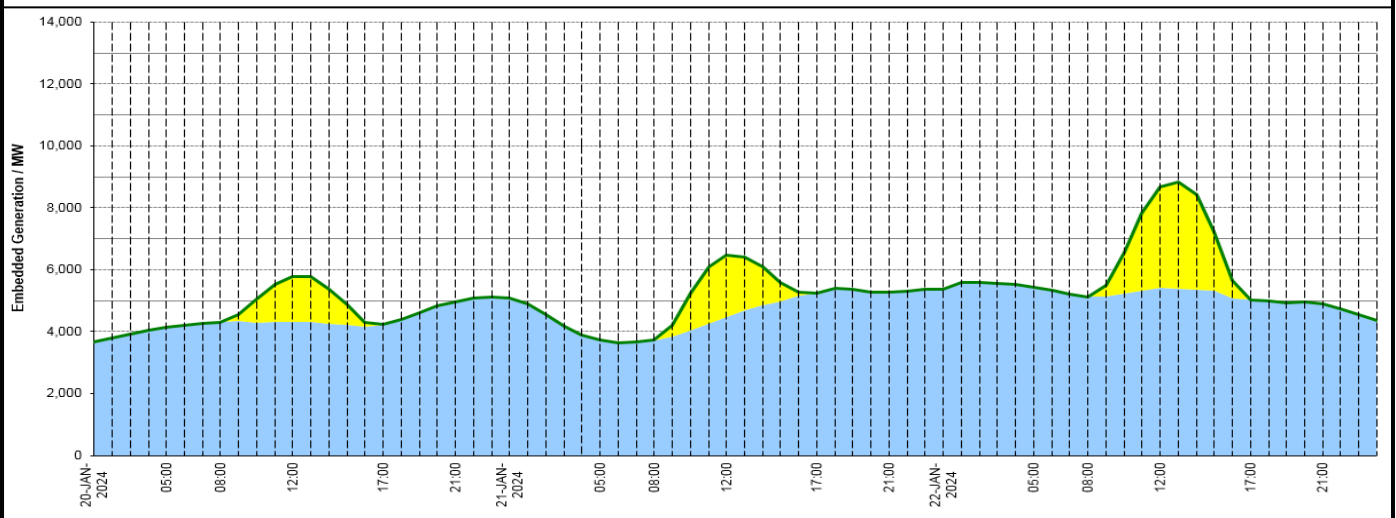
Wind Power Forecast



Expected embedded generation (MWs)

Embedded Generation Forecast

	20-JAN-2024					21-JAN-2024					22-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	1460	0	0	0	0	0	1997	0	0	0	0	0	3282	0	0
Wind (MW)	4153	4309	4327	4222	4969	5078	3733	3728	4462	5236	5269	5369	5432	5133	5403	5035	4910
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	4153	4309	5787	4222	4969	5078	3733	3728	6459	5236	5269	5369	5432	5133	8685	5035	4910



Weather	Source	Commentary
Latest forecast (Summary)	Met Office SEPA Natural Resources Wales	<p>Today: Bands of heavy rain spreading across northern and western regions; dry during daylight hours further south and east. Winds increasing in strength for all as Storm Isha arrives. A mild day, but the feeling tempered by the strong winds.</p> <p>Tonight: Very windy for all overnight with extensive inland gales. Potential for damaging violent storm force winds across western and northern Scotland. Heavy rain spreading eastwards, clearing by dawn.</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: North East England North West England Yorkshire & Humber</p> <p>ACTIVEStarted at: 00:00 GMT on Sun 21 JanuaryEnds: 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

Weather	Source	Commentary
		<p>Issued at: 11:15 GMT on Thu 18 January Last updated: 19 hours agoLast updated: 19 hours ago</p> <p>Yellow warning of rain Areas affected: Wales</p> <p>ACTIVESTarted at: 00:00 GMT on Sun 21 JanuaryEnds: 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 Last updated: 10 hours agoLast updated: 10 hours ago</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 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 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 agoLast 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 JanuaryEnds: 23:59 GMT on Sun 21 January Heavy rain will lead to some flooding and transport disruption on Sunday.</p> <ul style="list-style-type: none"> - Where flooding occurs, there is a slight chance of delays or cancellations to train and bus services - 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
		<p>Issued at: 11:53 GMT on Thu 18 January Last updated: 2 days agoLast updated: 2 days 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>

Weather	Source	Commentary
		<p>Starts: 18:00 GMT on Sun 21 January Ends: 09:00 GMT on Mon 22 January</p> <p>Storm Isha will bring a spell of very strong winds during Sunday evening 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>Amber warning of wind Areas affected: Central, Tayside & Fife Grampian Highlands & Eilean Siar Orkney & Shetland Strathclyde</p>
		<p>Starts: 21:00 GMT on Sun 21 January Ends: 09:00 GMT on Mon 22 January</p> <p>A spell of very strong winds associated with Storm Isha may bring further disruption or damage to travel, 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 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</p> <p>Storm Isha will bring a spell of very strong winds during Monday with disruption to travel 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 - Injuries and danger to life is likely from large waves and beach material being thrown onto coastal roads, sea fronts and properties - There is a good chance that power cuts may occur, with the potential to affect other services, such as mobile phone coverage <p>Issued at: 09:48 GMT on Fri 19 January 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</p> <p>Strong winds are expected from Tuesday evening into Wednesday morning with disruption to travel and utilities possible</p> <ul style="list-style-type: none"> - Some delays to road, rail, air and ferry transport are likely - There is a small chance that some roads and bridges could close - There is a slight chance that power cuts may occur, with the potential to affect other

Weather	Source	Commentary
		<p>services, such as mobile phone coverage</p> <ul style="list-style-type: none"> - There is a small chance that injuries and danger to life could occur from large waves and beach material being thrown onto sea fronts, coastal roads and properties - There is a slight chance of some damage to buildings, such as tiles blown from roofs <p>Issued at: 09:59 GMT on Sat 20 January</p> <p>Flood Warnings</p> <p>8 flood warnings and 59 flood alerts issued for England.</p> <p>10 flood warnings and 14 flood alerts issued for Scotland.</p> <p>0 flood warning and 1 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