

NESO
National Electricity
Transmission
System
Status report

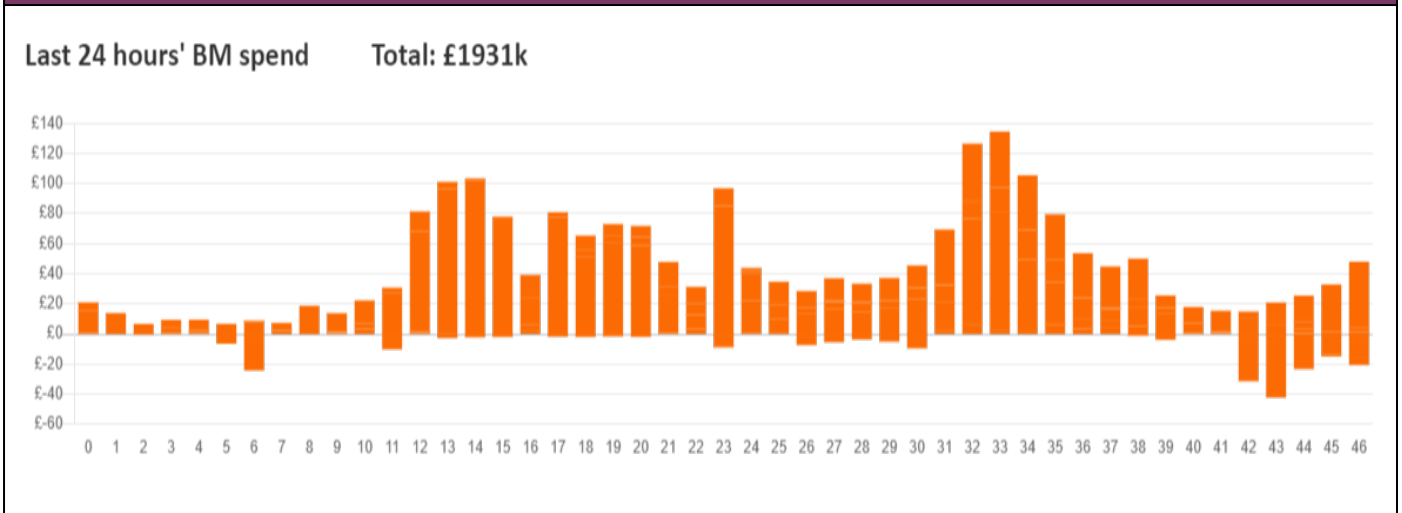


NESO National Electricity Transmission System Status Report
Friday 24 January 2025

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	15020 MW (SP 36)	
Current BMU Largest Loss Risk	Generation	1500 MW
	Demand	560 MW

Balancing Costs



Yesterday's Market Summary

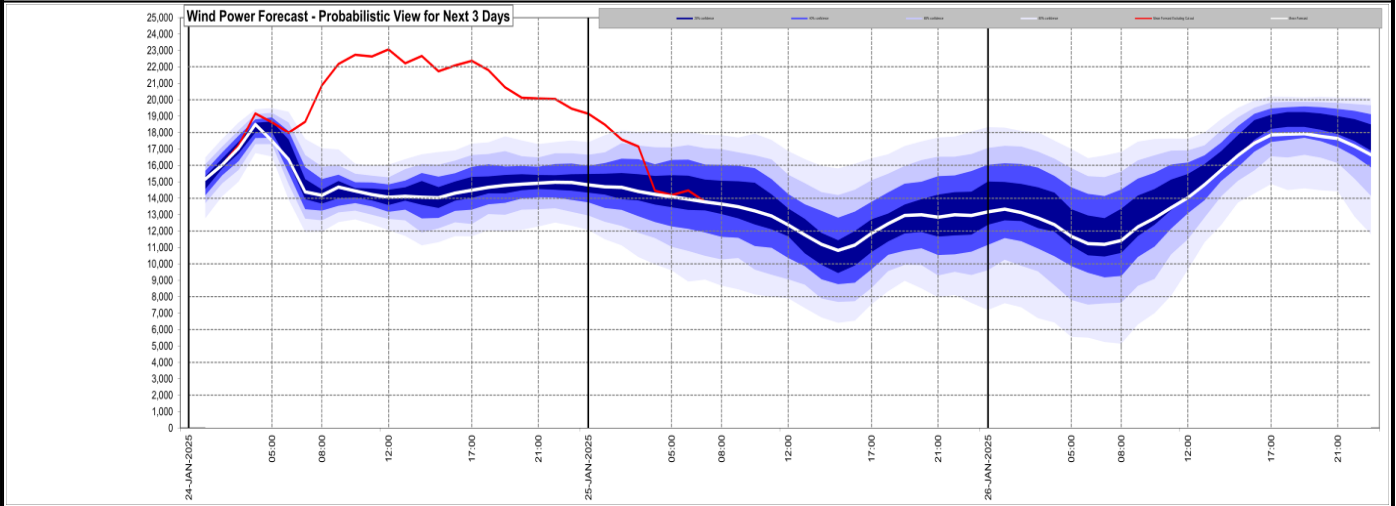
Cash Out Price (Max)	£152.00 /MWh (SP 35,36)
Cash Out Price (Min)	£60.00 /MWh (SP 47)
Peak Demand Yesterday	43,816 MW
Minimum Demand	27,517 MW

Interconnector

Net Transfer Capacity (MWs)

Today	Import	Export	Remarks
Netherlands (BritNed)	0	0	Unplanned Outage
France (IFA)	1000	1000	Partially available
Belgium (Nemo)	1000	1000	Fully Available
Ireland (EWIC)	500	500	Fully Available
France (ElecLink)	0	0	Outage
Northern Ireland (MOYLE)	450	450	Fully Available
Norway (NSL)	1400	1400	Fully Available
France (IFA2)	1000	1000	Fully Available
Viking Link	700	700	Partially Available
Ireland (GreenLink)	0	0	Not yet commissioned

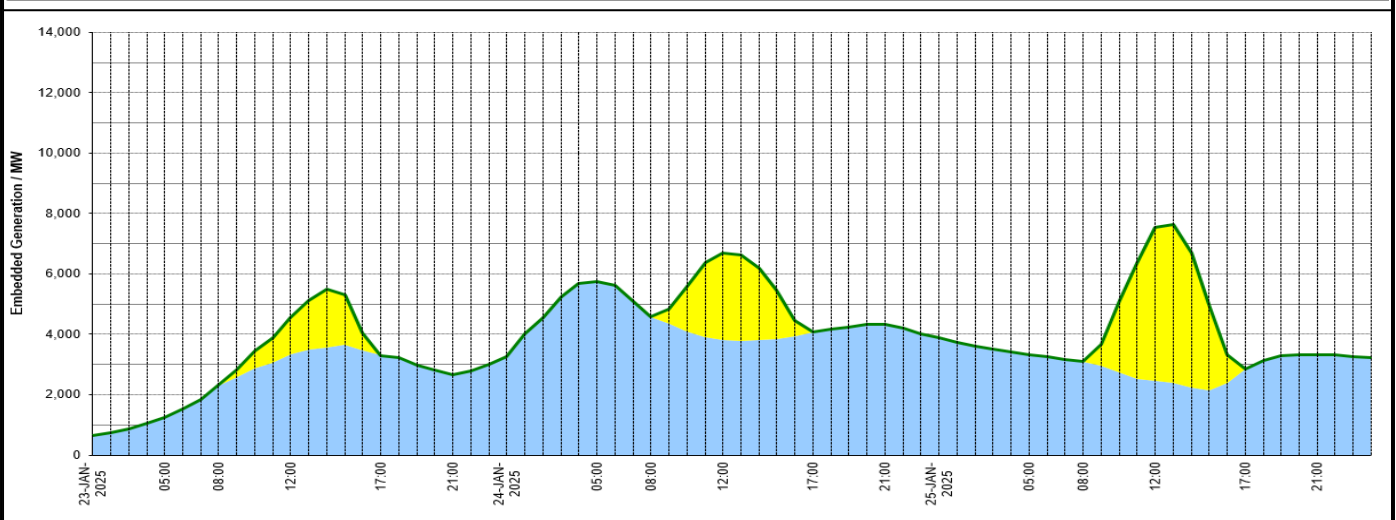
Wind Power Forecast



Expected embedded generation (MWs)

Embedded Generation Forecast

	23-JAN-2025					24-JAN-2025					25-JAN-2025						
	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	1216	0	0	0	0	2879	0	0	0	0	0	0	5072	20	0
Wind (MW)	1247	2307	3341	3294	2665	3270	5758	4570	3817	4064	4340	3885	3318	3087	2461	2820	3318
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	1247	2307	4557	3294	2665	3270	5758	4570	6696	4064	4340	3885	3318	3087	7533	2840	3318



Weather	Source	Commentary
Latest forecast (Summary)	Met Office SEPA Natural Resources Wales	<p>Today: Storm Éowyn will bring dangerous winds to Northern Ireland and parts of Scotland throughout today with heavy rain at times. After a wet and windy start further south, winds easing and becoming largely dry.</p> <p>Tonight: Destructive winds continuing in Northern Ireland and Scotland, especially in the far north, along with heavy downpours. Generally drier in the south. A colder night with frost in places.</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: South West England Wales West Midlands</p> <p>ACTIVE Started at: 00:00 GMT on Fri 24 January Ends: 09:00 GMT on Fri 24 January</p> <p>Heavy rain on Friday morning may cause some local flooding</p>

Weather	Source	Commentary
		<ul style="list-style-type: none"> - Flooding of a few homes and businesses is possible - Bus and train services probably affected with journey times taking longer - Spray and flooding on roads probably making journey times longer <p>Issued at: 10:46 GMT on Wed 22 January</p> <p>Yellow warning of wind Areas affected: Central, Tayside & Fife East Midlands 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>ACTIVE Started at: 00:00 GMT on Fri 24 January</p> <p>Ends: 23:59 GMT on Fri 24 January</p> <p>Storm Éowyn is expected to bring very strong winds and some disruption on Friday</p> <ul style="list-style-type: none"> - Power cuts are likely to occur, with the potential to affect other services, such as mobile phone coverage - Injuries and danger to life could occur from flying debris, as well as large waves and beach material being thrown onto sea fronts, coastal roads and properties - Road, rail, air and ferry services are likely to be affected, with longer journey times and cancellations possible. Some roads and bridges may close. - Some damage to buildings, such as tiles blown from roofs, could happen <p>Issued at: 10:40 GMT on Mon 20 January</p> <p>Last updated: 2 days agoLast updated: 2 days ago</p> <p>Yellow warning of wind Areas affected: East Midlands East of England London & South East England South West England West Midlands</p> <p>Starts: 05:00 GMT on Fri 24 January</p> <p>Ends: 15:00 GMT on Fri 24 January</p> <p>Storm Éowyn will bring a spell of strong winds for a time on Friday</p> <ul style="list-style-type: none"> - Some delays to road, rail, air and ferry transport are likely - Probably some bus and train services affected, with some journeys taking longer - Delays for high-sided vehicles on exposed routes and bridges likely - Some short term loss of power and other services is possible - It's likely that some coastal routes, sea fronts and coastal communities will be affected by spray and/or large waves <p>Issued at: 11:13 GMT on Wed 22 January</p> <p>Amber warning of wind Areas affected: Central, Tayside & Fife East Midlands Grampian Highlands & Eilean Siar North East England North West England Northern Ireland SW Scotland, Lothian Borders Strathclyde Wales Yorkshire & Humber</p> <p>Starts: 06:00 GMT on Fri 24 January</p> <p>Ends: 21:00 GMT on Fri 24 January</p> <p>Storm Éowyn is expected to bring very strong winds and widespread disruption on Friday</p> <ul style="list-style-type: none"> - Power cuts are likely to occur, with the potential to affect other services, such as mobile phone coverage

Weather	Source	Commentary
		<p>- Injuries and danger to life could occur from flying debris, as well as large waves and beach material being thrown onto sea fronts, coastal roads and properties</p> <p>- Road, rail, air and ferry services are likely to be affected, with longer journey times and cancellations possible. Some roads and bridges will close</p> <p>- There is a chance that damage to buildings and homes could occur, with roofs blown off and power lines brought down</p> <p>Issued at: 11:31 GMT on Tue 21 January</p> <p>Last updated: 2 days agoLast updated: 2 days ago</p> <p>Yellow warning of snow Areas affected: Central, Tayside & Fife Grampian Highlands & Eilean Siar Strathclyde</p> <p>Starts: 06:00 GMT on Fri 24 January</p> <p>Ends: 23:59 GMT on Fri 24 January</p> <p>Snow for a time on Friday morning may cause some disruption, before easing and/or turning to rain</p> <p>- Some roads and railways likely to be affected with longer journey times by road, bus and train services</p> <p>Issued at: 10:52 GMT on Wed 22 January</p> <p>Last updated: 18 hours agoLast updated: 18 hours ago</p> <p>Red warning of wind Areas affected: Northern Ireland</p> <p>Starts: 07:00 GMT on Fri 24 January</p> <p>Ends: 14:00 GMT on Fri 24 January</p> <p>Very strong winds associated with Storm Éowyn causing very dangerous conditions with widespread disruption and significant impacts expected.</p> <p>- Flying debris resulting in danger to life</p> <p>- Very dangerous driving conditions with fallen trees on roads</p> <p>- Damage to buildings and homes, with roofs blown off and power lines brought down</p> <p>- Roads, bridges and railway lines closed, with delays and cancellations to bus, train, ferry services and flights</p> <p>- Power cuts affecting other services, such as mobile phone coverage</p> <p>- Large waves and beach material being thrown onto coastal roads, sea fronts and homes</p> <p>Issued at: 09:42 GMT on Thu 23 January</p> <p>Red warning of wind Areas affected: Central, Tayside & Fife SW Scotland, Lothian Borders Strathclyde</p> <p>Starts: 10:00 GMT on Fri 24 January</p> <p>Ends: 17:00 GMT on Fri 24 January</p> <p>Very strong winds associated with Storm Éowyn causing very dangerous conditions and significant disruption on Friday</p> <p>- Flying debris resulting in danger to life</p> <p>- Very dangerous driving conditions with fallen trees on roads</p> <p>- Damage to buildings and homes, with roofs blown off and power lines brought down</p> <p>- Roads, bridges and railway lines closed, with delays and cancellations to bus, train, ferry services and flights</p>

Weather	Source	Commentary
		<ul style="list-style-type: none"> - Power cuts affecting other services, such as mobile phone coverage - Large waves and beach material being thrown onto coastal roads, sea fronts and homes <p>Issued at: 09:58 GMT on Thu 23 January</p> <p>Amber warning of wind Areas affected: Central, Tayside & Fife Grampian Highlands & Eilean Siar Orkney & Shetland Strathclyde</p> <p>Starts: 13:00 GMT on Fri 24 January</p> <p>Ends: 06:00 GMT on Sat 25 January</p> <p>Storm Éowyn is expected to bring very strong winds and widespread disruption later on Friday and into early Saturday</p> <ul style="list-style-type: none"> - Flying debris is likely and could lead to Injuries or danger to life - Probably some damage to buildings, such as tiles blown from roofs - Longer journey times and cancellations likely, as road, rail, air and ferry services may be affected - Some roads and bridges likely to close - 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: 10:42 GMT on Thu 23 January</p> <p>Yellow warning of wind Areas affected: Central, Tayside & Fife Grampian Highlands & Eilean Siar Orkney & Shetland SW Scotland, Lothian Borders Strathclyde</p> <p>Starts: 00:00 GMT on Sat 25 January</p> <p>Ends: 15:00 GMT on Sat 25 January</p> <p>Storm Éowyn will continue to bring strong winds into Saturday, with some disruption possible</p> <ul style="list-style-type: none"> - Power cuts may occur, with the potential to affect other services, such as mobile phone coverage - 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 - 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: 11:50 GMT on Tue 21 January</p> <p>Last updated: 2 days agoLast updated: 2 days ago</p> <p>Yellow warning of rain Areas affected: East Midlands East of England London & South East England North West England South West England Wales West Midlands</p> <p>Starts: 08:00 GMT on Sun 26 January</p> <p>Ends: 06:00 GMT on Mon 27 January</p> <p>Spells of heavy rain may lead to some local flooding during Sunday and Monday.</p> <ul style="list-style-type: none"> - There is a small chance that homes and businesses could be flooded, causing damage to some buildings

Weather	Source	Commentary
		<ul style="list-style-type: none"> - There is a small chance of fast flowing or deep floodwater causing danger to life - 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 slight chance of power cuts and loss of other services to some homes and businesses <p>Issued at: 10:38 GMT on Thu 23 January</p> <p>Yellow warning of wind</p> <p>Areas affected: London & South East England North West England Northern Ireland SW Scotland, Lothian Borders South West England Strathclyde Wales West Midlands</p> <p>Starts: 08:00 GMT on Sun 26 January</p> <p>Ends: 15:00 GMT on Sun 26 January</p> <p>Strong winds are likely to cause some disruption on Sunday.</p> <ul style="list-style-type: none"> - Some delays to road, rail, air and ferry transport are likely - Delays for high-sided vehicles on exposed routes and bridges likely - It's likely that some coastal routes, sea fronts and coastal communities will be affected by spray and/or large waves - Some short term loss of power and other services is possible - Probably some bus and train services affected, with some journeys taking longer <p>Issued at: 10:38 GMT on Thu 23 January</p> <p>Flood Warnings</p> <p>0 flood warnings and 29 flood alerts issued for England.</p> <p>1 flood warnings and 7 flood alerts issued for Scotland.</p> <p>0 flood warnings and 7 flood alerts issued for Wales.</p>

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Further Information	
BM Reports	https://www.elexon.co.uk/data/kinnect-insights-solution/
System Balancing Reports	https://www.neso.energy/industry-information/industry-data-and-reports/system-balancing-reports
Forecast Volumes and Costs	https://www.neso.energy/industry-information/industry-data-and-reports/forecast-volumes-and-costs