

NESO
National Electricity
Transmission
System
Status report

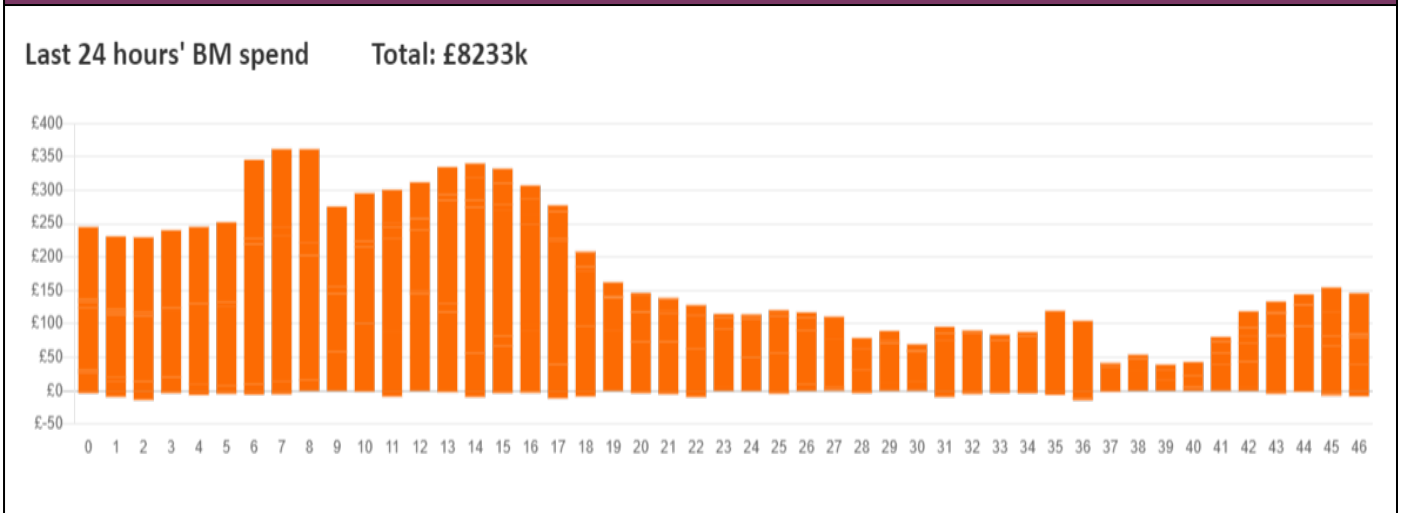


NESO National Electricity Transmission System Status Report
Tuesday 31 December 2024

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	14,401 MW (SP 37)	
Current BMU Largest Loss Risk	Generation	1500 MW
	Demand	560 MW

Balancing Costs



Yesterday's Market Summary

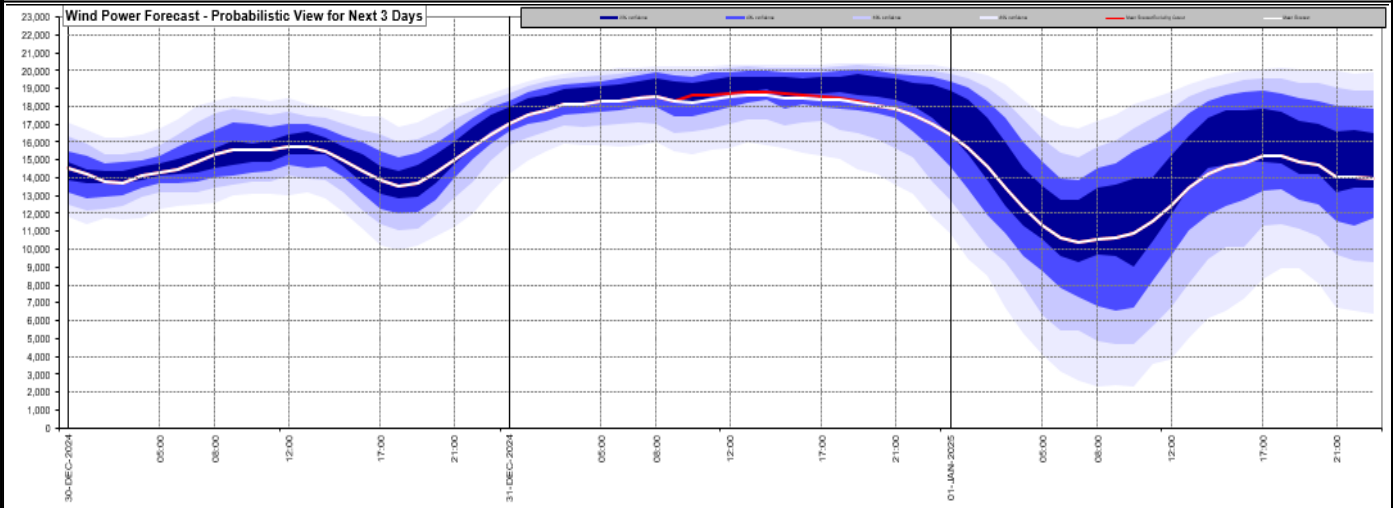
Cash Out Price (Max)	£157.90 /MWh (SP 38)
Cash Out Price (Min)	-£24.41 /MWh (SP 47)
Peak Demand Yesterday	35,067 MW
Minimum Demand	18,782 MW

Interconnector

Net Transfer Capacity (MWs)

Today	Import	Export	Remarks
Netherlands (BritNed)	0	0	Unplanned Outage
France (IFA)	1500	1500	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	1430	1430	Fully Available
Ireland (GreenLink)	0	0	Not yet commissioned

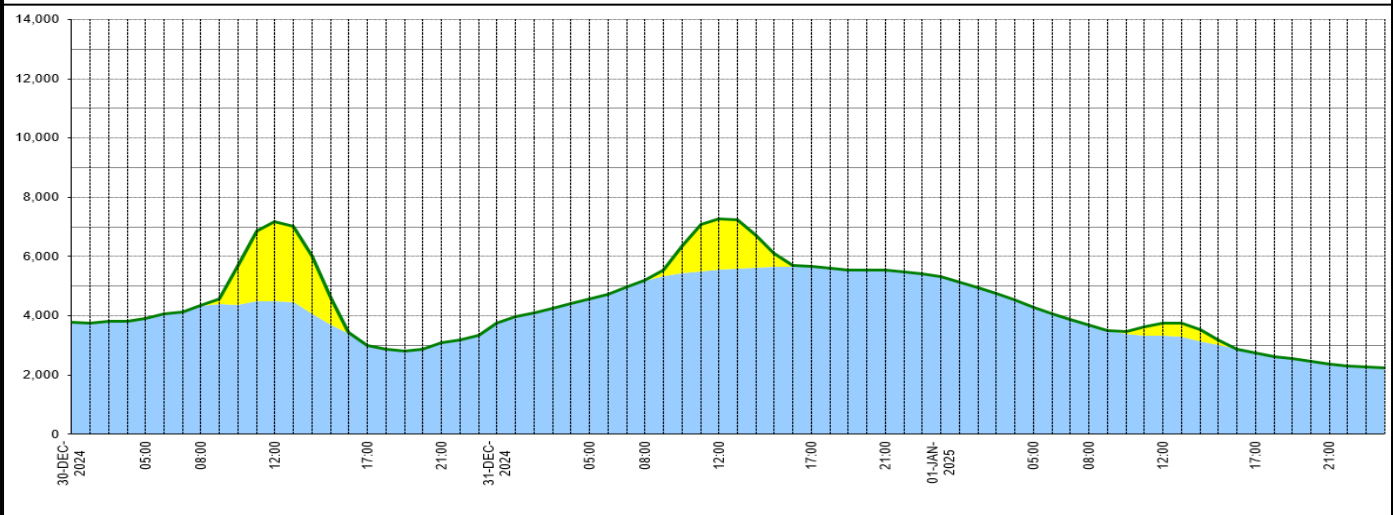
Wind Power Forecast



Expected embedded generation (MWs)

Embedded Generation Forecast

	30-DEC-2024					31-DEC-2024					01-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	2694	0	0	0	0	0	1712	0	0	0	0	0	419	0	0
Wind (MW)	3898	4349	4482	3014	3080	3761	4554	5185	5547	5656	5528	5322	4287	3687	3325	2754	2367
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	3898	4349	7176	3014	3080	3761	4554	5185	7259	5656	5528	5322	4287	3687	3744	2754	2367



Weather	Source	Commentary
Latest forecast (Summary)	Met Office SEPA Natural Resources Wales	<p>Today: Rain, with some snow in Scotland, quickly extending into northern England, before spreading into the Midlands and Wales during the afternoon. Mostly fine ahead of this, with brighter but showery weather developing behind. Windy, particularly in the north and west.</p> <p>Tonight: A wet night across northern and central England and Wales. Rain, sleet and snow also moving south across Scotland, with a few showers for Northern Ireland. Staying windy.</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 and snow Areas affected: Central, Tayside & Fife Grampian Highlands & Eilean Siar SW Scotland, Lothian Borders Strathclyde ACTIVE Started at: 00:00 GMT on Mon 30 December Ends: 23:59 GMT on Tue 31 December Heavy rain and snow may bring significant disruption in the build up to New Year. - Homes and businesses could be flooded, causing damage to some buildings - Delays or cancellations to train and bus services are possible from rain or snow - Spray and flooding will lead to difficult driving conditions and some road closures, with</p>

Weather	Source	Commentary
		<p>longer journey times by road, bus and train services</p> <ul style="list-style-type: none"> - Some communities may be cut off - Fast flowing or deep floodwater is possible, causing a danger to life - Power cuts may occur and other services, such as mobile phone coverage, may be affected <p>Amber warning of rain Areas affected: Grampian Highlands & Eilean Siar ACTIVE Started at: 00:00 GMT on Tue 31 December Ends: 17:00 GMT on Tue 31 December Heavy rain developing through Monday night and Tuesday morning is likely to cause some property flooding and travel disruption.</p> <ul style="list-style-type: none"> - Spray and flooding probably leading to difficult driving conditions and some road closures - Delays and some cancellations to train and bus services are likely - A good chance some communities will be cut off by flooded roads - Fast flowing or deep floodwater is likely, causing some homes and businesses to be flooded. - Power cuts and loss of other services to some homes and businesses likely - Homes and businesses may be flooded, causing damage to some buildings <p>Yellow warning of snow Areas affected: Orkney & Shetland Starts: 05:00 GMT on Tue 31 December Ends: 23:59 GMT on Tue 31 December A period of persistent snow is expected through New Years Eve which may bring some travel disruption.</p> <ul style="list-style-type: none"> - Some roads likely to be affected with longer journey times by road and bus services <p>Yellow warning of wind Areas affected: Northern Ireland Starts: 06:00 GMT on Tue 31 December Ends: 14:00 GMT on Tue 31 December Strong westerly winds may lead to some travel disruption on New Year's Eve</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>Yellow warning of wind Areas affected: Central, Tayside & Fife North East England North West England SW Scotland, Lothian Borders Strathclyde Yorkshire & Humber Starts: 07:00 GMT on Tue 31 December Ends: 23:00 GMT on Tue 31 December Strong westerly winds may lead to some travel disruption on New Year's Eve.</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 <p>Yellow warning of rain Areas affected: East Midlands North West England Wales West Midlands Yorkshire & Humber Starts: 18:00 GMT on Tue 31 December Ends: 18:00 GMT on Wed 1 January Heavy rain is likely to lead to disruption across Wales and northwest England, with a chance that some locations may experience flooding.</p> <ul style="list-style-type: none"> - 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

Weather	Source	Commentary
		<ul style="list-style-type: none"> - Spray and flooding could lead to difficult driving conditions and some road closures - Public transport likely to be affected with journey times taking longer. <p>Yellow warning of snow and ice Areas affected: Grampian Highlands & Eilean Siar Starts: 00:00 GMT on Wed 1 January Ends: 09:00 GMT on Thu 2 January Rain turning to snow is likely to lead to some travel disruption and difficult driving conditions on New Years Day.</p> <ul style="list-style-type: none"> - Some roads and railways likely to be affected with longer journey times by road, bus and train services - Some injuries from slips and falls on icy surfaces - Probably some icy patches on some untreated roads, pavements and cycle paths <p>Yellow warning of wind Areas affected: East Midlands East of England London & South East England South West England Wales West Midlands Starts: 07:00 GMT on Wed 1 January Ends: 23:59 GMT on Wed 1 January A period of strong winds on Wednesday is likely to lead to some disruption.</p> <ul style="list-style-type: none"> - There is a small chance of longer journey times or cancellations as road, rail, air and ferry services are affected - There is a slight chance of some damage to buildings, such as tiles blown from roofs - There is a slight chance that power cuts may occur, with the potential to affect other services, such as mobile phone coverage - 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 small chance of injuries and danger to life from flying debris - There is a small chance that some roads and bridges could close <p>Flood Warnings 2 flood warnings and 11 flood alerts issued for England.</p> <p>28 flood warnings and 10 flood alerts 3 severe flood warnings issued for Scotland.</p> <p>0 flood warnings and 0 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