

NESO
National Electricity
Transmission
System
Status report

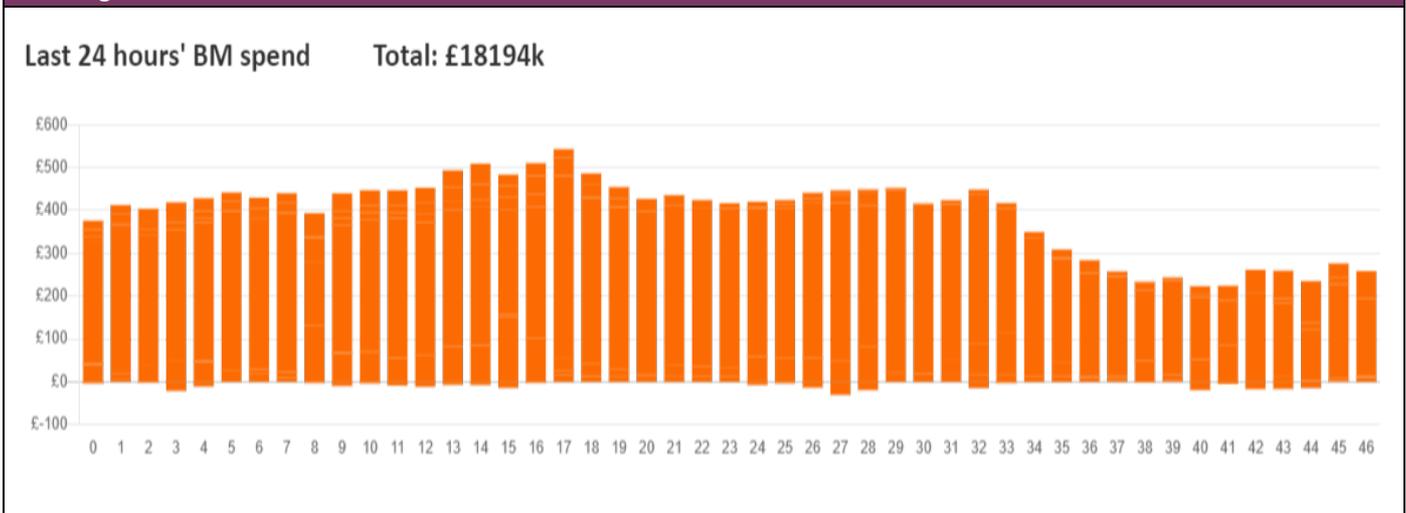


NESO National Electricity Transmission System Status Report
Monday 30 December 2024

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	15,357 MW (SP 35)	
Current BMU Largest Loss Risk	Generation	1500 MW
	Demand	560 MW

Balancing Costs



Yesterday's Market Summary

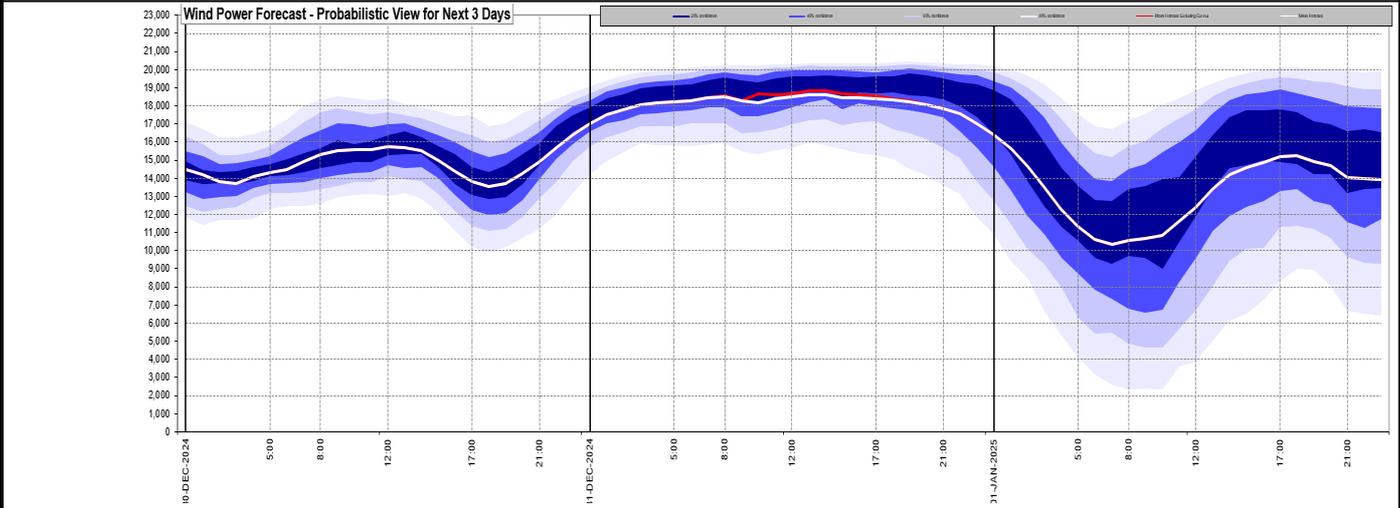
Cash Out Price (Max)	£124.50 /MWh (SP 35-36)
Cash Out Price (Min)	£16.00 /MWh (SP 10)
Peak Demand Yesterday	35,096 MW
Minimum Demand	23,207 MW

Interconnector

Net Transfer Capacity (MWs)

Today	Import	Export	Remarks
Netherlands (BritNed)	0	0	Unplanned Outage
France (IFA)	2000	2000	Fully Available
Belgium (Nemo)	1000	1000	Fully Available
Ireland (EWIC)	0	0	Planned outage
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

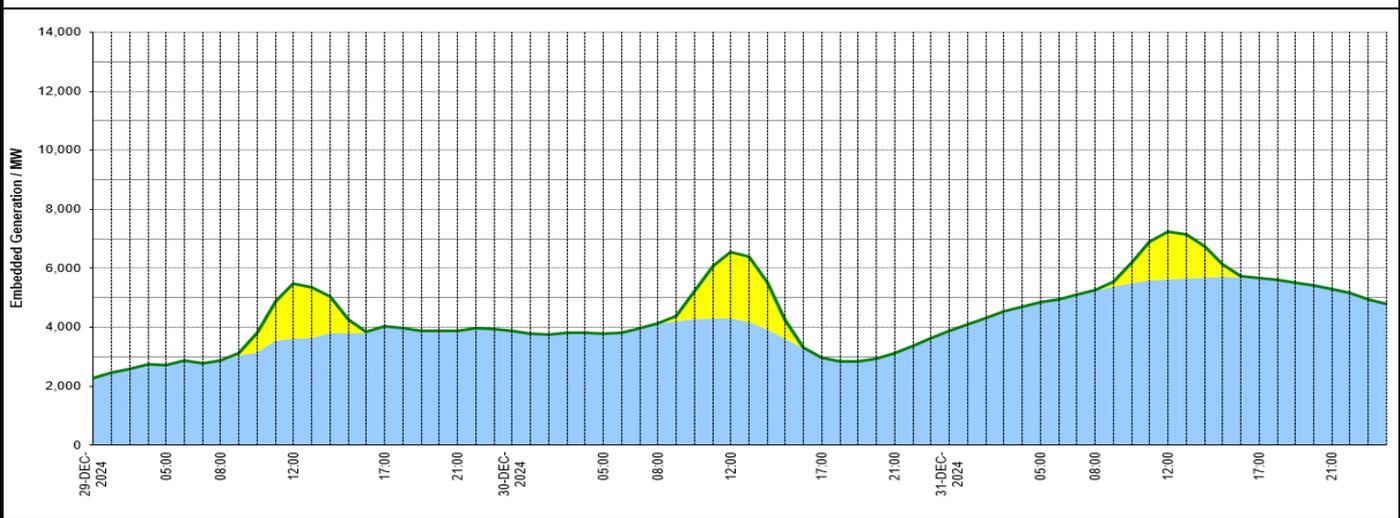
Wind Power Forecast



Expected embedded generation (MWs)

Embedded Generation Forecast

	29-DEC-2024					30-DEC-2024					31-DEC-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	1850	0	0	0	0	0	2234	0	0	0	0	0	1626	0	0
Wind (MW)	2725	2862	3626	4022	3892	3866	3771	4115	4311	2980	3119	3892	4842	5259	5623	5654	5305
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	2725	2862	5476	4022	3892	3866	3771	4115	6545	2980	3119	3892	4842	5259	7249	5654	5305



Weather	Source	Commentary
Latest forecast (Summary)	Met Office SEPA Natural Resources Wales	<p>Today: Remaining wet in Scotland with snow possible in places. Plenty of cloud elsewhere with patchy light rain in the west but some brighter breaks in the south. Becoming windier, especially across the Pennines. Mild for most for time of year.</p> <p>Tonight: Rain and snow, often heavy, remaining across central and northern Scotland. Drier further south with some clearer spells but widely 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</p> <p>ACTIVE Started at: 00:00 GMT on Mon 30 December Ends: 23:59 GMT on Tue 31 December</p> <p>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</p>

Weather	Source	Commentary
		<ul style="list-style-type: none"> - 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 longer journey times by road, bus and train services - 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>Issued at: 10:37 GMT on Fri 27 December</p> <p>Last updated: 2 days ago</p> <p>Yellow warning of wind Areas affected: North East England North West England Yorkshire & Humber</p> <p>Starts: 11:00 GMT on Mon 30 December</p> <p>Ends: 18:00 GMT on Mon 30 December</p> <p>Strong winds may lead to some disruption.</p> <ul style="list-style-type: none"> - Some short term loss of power and other services is possible - Probably some bus and train services affected, with some journeys taking longer - Some delays to road and rail transport are likely - Delays for high-sided vehicles on exposed routes likely <p>Issued at: 10:22 GMT on Sat 28 December</p> <p>Yellow warning of snow Areas affected: Orkney & Shetland</p> <p>Starts: 05:00 GMT on Tue 31 December</p> <p>Ends: 23:59 GMT on Tue 31 December</p> <p>Persistent snow through New Years Eve 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>Issued at: 11:07 GMT on Sun 29 December</p> <p>Yellow warning of wind Areas affected: Northern Ireland</p> <p>Starts: 06:00 GMT on Tue 31 December</p> <p>Ends: 19:00 GMT on Tue 31 December</p> <p>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>Issued at: 11:07 GMT on Sun 29 December</p> <p>Yellow warning of wind Areas affected: Central, Tayside & Fife North East England North West England SW Scotland, Lothian Borders Strathclyde Yorkshire & Humber</p>

Weather	Source	Commentary
		<p>Starts: 07:00 GMT on Tue 31 December</p> <p>Ends: 23:00 GMT on Tue 31 December</p> <p>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>Issued at: 11:07 GMT on Sun 29 December</p> <p>Yellow warning of snow Areas affected: Northern Ireland</p> <p>Starts: 07:00 GMT on Wed 1 January</p> <p>Ends: 23:59 GMT on Wed 1 January</p> <p>Heavy and persistent snow may bring disruption on Wednesday and Wednesday evening.</p> <ul style="list-style-type: none"> - Some roads and railways affected with longer journey times by road, bus and train services. There is a small chance of some stranded vehicles and passengers, along with delayed or cancelled rail and air travel - There is a slight chance that some rural communities could become cut off - There is a small chance that power cuts will occur and other services, such as mobile phone coverage, may be affected <p>Issued at: 11:08 GMT on Sun 29 December</p> <p>Yellow warning of rain Areas affected: Wales</p> <p>Starts: 09:00 GMT on Wed 1 January</p> <p>Ends: 21:00 GMT on Wed 1 January</p> <p>Heavy rain is likely to lead to some disruption on New Year's Day.</p> <ul style="list-style-type: none"> - 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 - Flooding of a few homes and businesses is likely <p>Issued at: 11:09 GMT on Sun 29 December</p> <p>Yellow 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>Starts: 09:00 GMT on Wed 1 January</p> <p>Ends: 06:00 GMT on Thu 2 January</p> <p>Very strong winds expected to lead to some disruption.</p> <ul style="list-style-type: none"> - There is a small chance of injuries and danger to life from flying debris - There is a slight chance of some damage to buildings, such as tiles blown from roofs - There is a small chance of longer journey times or cancellations as road, rail, air and ferry services are affected - There is a small chance that some roads and bridges could close

Weather	Source	Commentary
		<p>- There is a slight chance that power cuts may occur, with the potential to affect other services, such as mobile phone coverage</p> <p>- 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</p> <p>Issued at: 11:09 GMT on Sun 29 December</p> <p>Yellow warning of snow Areas affected: Central, Tayside & Fife East Midlands North East England North West England SW Scotland, Lothian Borders Strathclyde Yorkshire & Humber</p> <p>Starts: 09:00 GMT on Wed 1 January</p> <p>Ends: 03:00 GMT on Thu 2 January</p> <p>Heavy and persistent snow may bring disruption on Wednesday and Wednesday night.</p> <p>- There is a small chance of travel delays on roads with some stranded vehicles and passengers, along with delayed or cancelled rail and air travel</p> <p>- There is a slight chance that some rural communities could become cut off</p> <p>- There is a small chance that power cuts will occur and other services, such as mobile phone coverage, may be affected</p> <p>Issued at: 11:09 GMT on Sun 29 December</p> <p>Flood Warnings</p> <p>0 flood warnings and 11 flood alerts issued for England.</p> <p>10 flood warnings and 9 flood alerts 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