

**National Electricity
Transmission System Status Report**

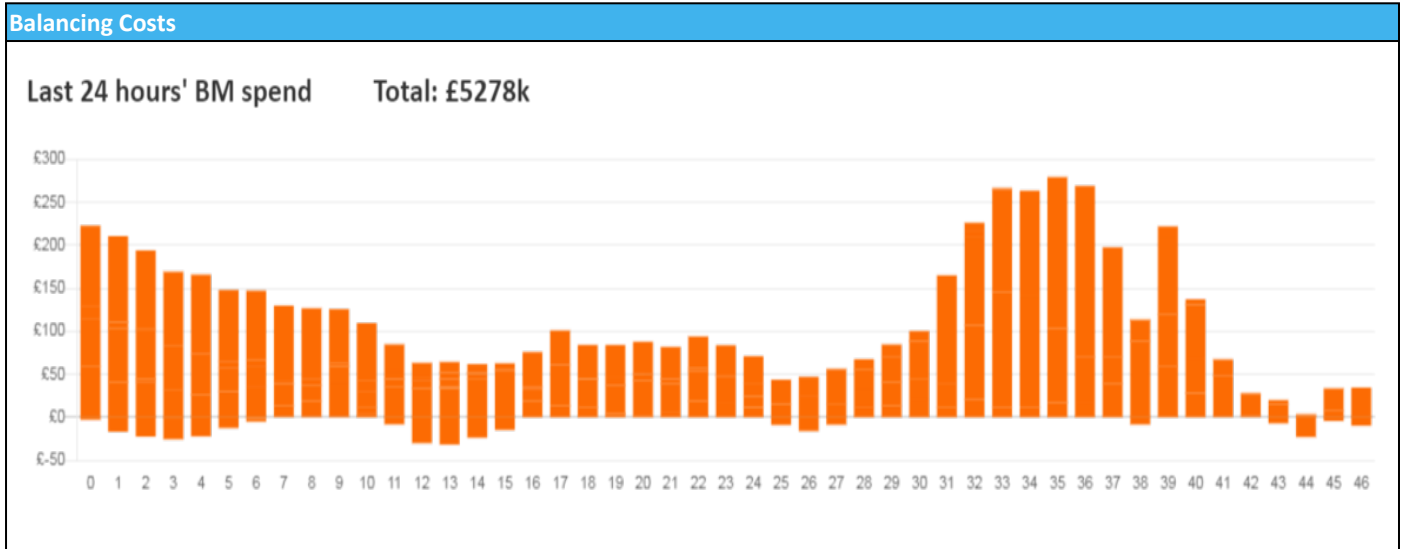


national**grid**ESO

National Electricity Transmission System Status Report
Monday 21 November 2022

| 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 | | | |

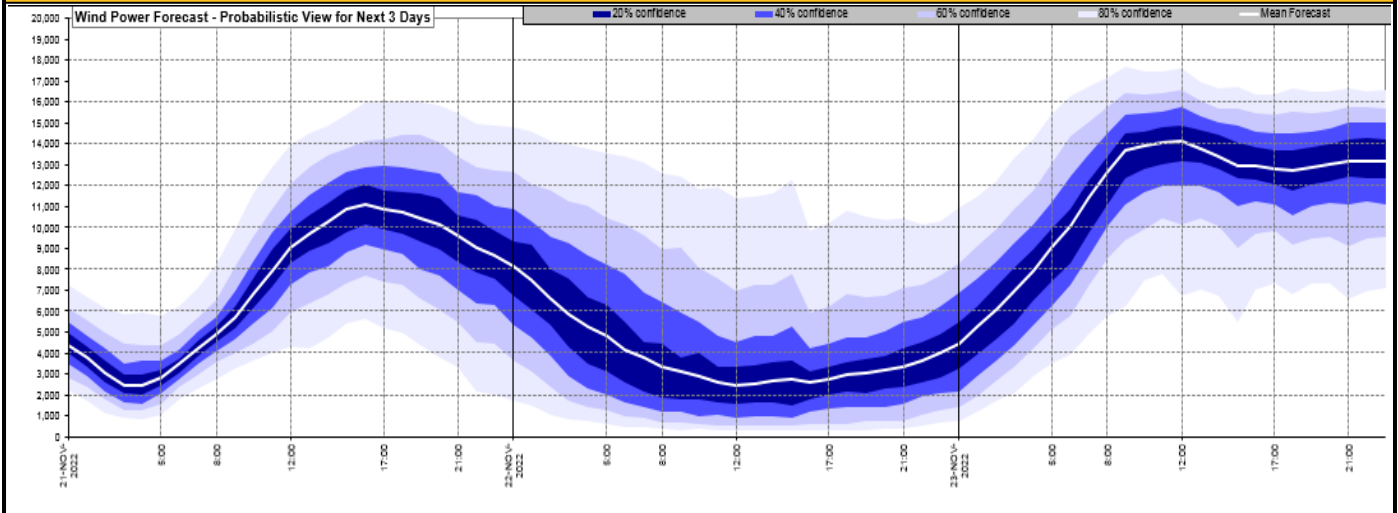
| | | |
|-------------------------------------------------|--------------|---------|
| Today's Minimum De-Rated Margin | 3933 (SP 18) | |
| Current BMU Largest Loss Risk | Generation | 1500 MW |
| | Demand | 1050 MW |



| Yesterday's Market Summary | |
|---------------------------------------|-------------------------|
| Cash Out Price (Max) | £255.00 (SP 43) |
| Cash Out Price (Min) | £50.00 (SP 2-5 & 13-16) |
| Peak Demand Yesterday | 40,274 MW |
| Minimum Demand | 20,900 MW |

| Interconnector Net Transfer Capacity (MWs) | | | |
|--------------------------------------------|--------|--------|---------------------|
| Today | Import | Export | Remarks |
| Netherlands (BritNed) | 1100 | 1133 | Fully Available |
| France (IFA2) | 1014 | 1014 | Fully Available |
| Belgium (Nemo) | 1000 | 1025 | Fully Available |
| Ireland (EWIC) | 500 | 530 | Fully Available |
| France (ElecLink) | 1014 | 1014 | Fully Available |
| France (IFA) | 1000 | 1000 | Partially Available |
| Northern Ireland (MOYLE) | 500 | 500 | Fully Available |
| Norway (NSL) | 1400 | 1400 | Fully Available |

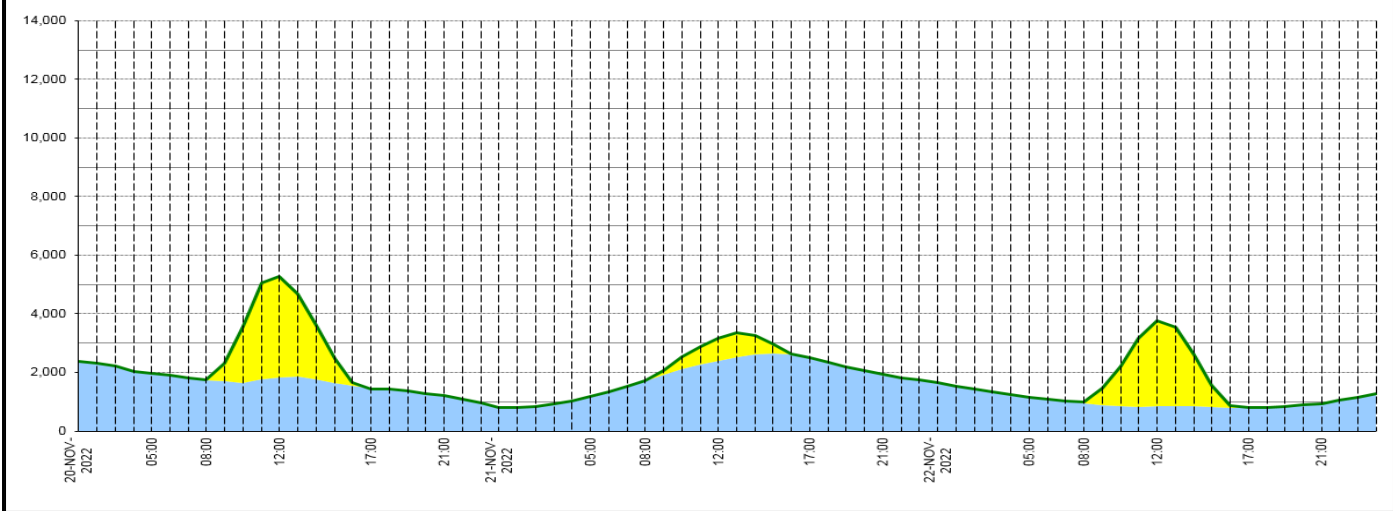
Wind Power Forecast



Expected wind embedded generation (MWs)

Embedded Generation Forecast

| | 20-NOV-2022 | | | | | 21-NOV-2022 | | | | | 22-NOV-2022 | | | | | | |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|
| | 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 | 3 | 3439 | 0 | 0 | 0 | 0 | 18 | 753 | 0 | 0 | 0 | 0 | 56 | 2923 | 0 | 0 |
| Wind (MW) | 1963 | 1733 | 1838 | 1444 | 1199 | 809 | 1174 | 1713 | 2407 | 2495 | 1943 | 1650 | 1161 | 949 | 844 | 794 | 935 |
| STOR (MW) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total (MW) | 1963 | 1736 | 5277 | 1444 | 1199 | 809 | 1174 | 1731 | 3160 | 2495 | 1943 | 1650 | 1161 | 1005 | 3767 | 794 | 935 |



| Weather | Source | Commentary |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Latest forecast (Summary) | Met Office SEPA Natural Resources Wales | <p>Today: Outbreaks of rain, heavy at times, will spread northeast across much of England, Wales and Northern Ireland. Many parts of Scotland dry, but with occasional showers in the northeast. Becoming windy across southwest England and Wales with coastal gales.</p> <p>Tonight: Mostly dry with clear spells in far northwest. Elsewhere, outbreaks of rain for many, heavy in places. Strong winds in the southwest. Some fog patches and icy stretches central England.</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</p> <p>Yellow warning of ice Areas affected: Central, Tayside & Fife Grampian Highlands & Eilean Siar ACTIVE Started at: 20:00 GMT on Sun 20 November Ends: 09:30 GMT on Mon 21 November Icy stretches forming along with some fog and freezing fog leading to difficult traveling conditions. - Some injuries from slips and falls on icy surfaces - Probably some icy patches on some untreated roads, pavements and cycle paths</p> <p>Yellow warning of wind Areas affected: South West England Wales</p> |

| Weather | Source | Commentary |
|---------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | <p>Starts: 06:00 GMT on Mon 21 November Ends: 18:00 GMT on Mon 21 November A small chance of very strong winds on Monday causing disruption to travel and utilities</p> <ul style="list-style-type: none"> - 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 - There is a slight chance that power cuts may occur - There is a small chance of injuries from flying debris, large waves and/or beach material being thrown onto sea fronts, coastal roads and properties <p>Yellow warning of rain Areas affected: Northern Ireland Starts: 06:00 GMT on Mon 21 November Ends: 23:59 GMT on Mon 21 November Heavy rain may cause some flooding and disruption to travel during Monday.</p> <ul style="list-style-type: none"> - Spray and flooding could lead to difficult driving conditions and some road closures - Some communities may be cut off by flooded roads - Delays or cancellations to train and bus services are possible - Possible power cuts and loss of other services to some homes and businesses - Homes and businesses could be flooded, causing damage to some buildings |
| | | <p>Flood Warnings</p> <p>0 flood warnings and 14 flood alerts issued for England.</p> <p>5 flood warnings and 3 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.bmreports.com |
| System Balancing Reports | https://www.nationalgrideso.com/balancing-data/system-balancing-reports |
| Forecast Volumes and Costs | https://www.nationalgrideso.com/balancing-data/forecast-volumes-and-costs |
| NGESO Insights | https://www.nationalgrideso.com/insights |