

# National Electricity Transmission System Status Report

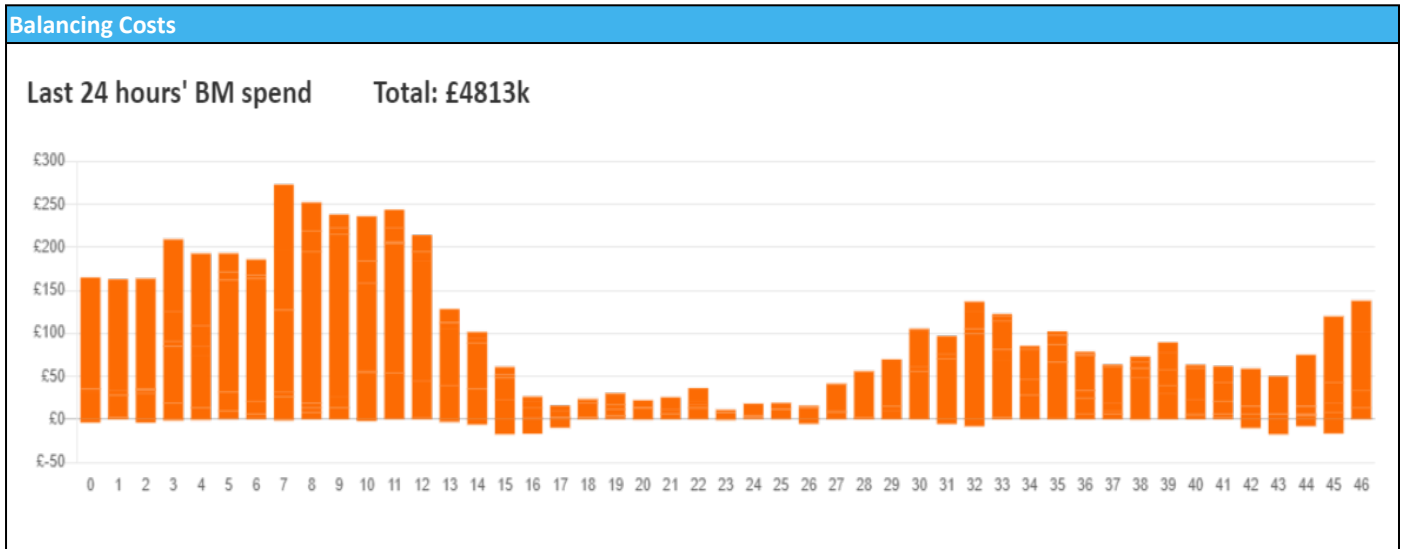


nationalgridESO

National Electricity Transmission System Status Report  
Tuesday 31 October 2023

| Today's High Level Risk Status Forecast for the next 24h |  |                |  |
|--|--|----------------|--|
| General Status   |  | Voltage        |  |
| Demand   |  | System Inertia |  |
| System Margins   |  | Weather        |  |
| Generation   |  | Transmission   |  |
| Active Constraints                                       |  |                |  |
| <a href="#">System Warning</a>                           |  |                |  |

|   |                 |         |
|---|-----------------|---------|
| <a href="#">Today's Minimum De-Rated Margin</a> | 6,351.4 (SP 35) |         |
| Current BMU Largest Loss Risk                   | Generation      | 1400 MW |
|   | Demand          | 1060 MW |



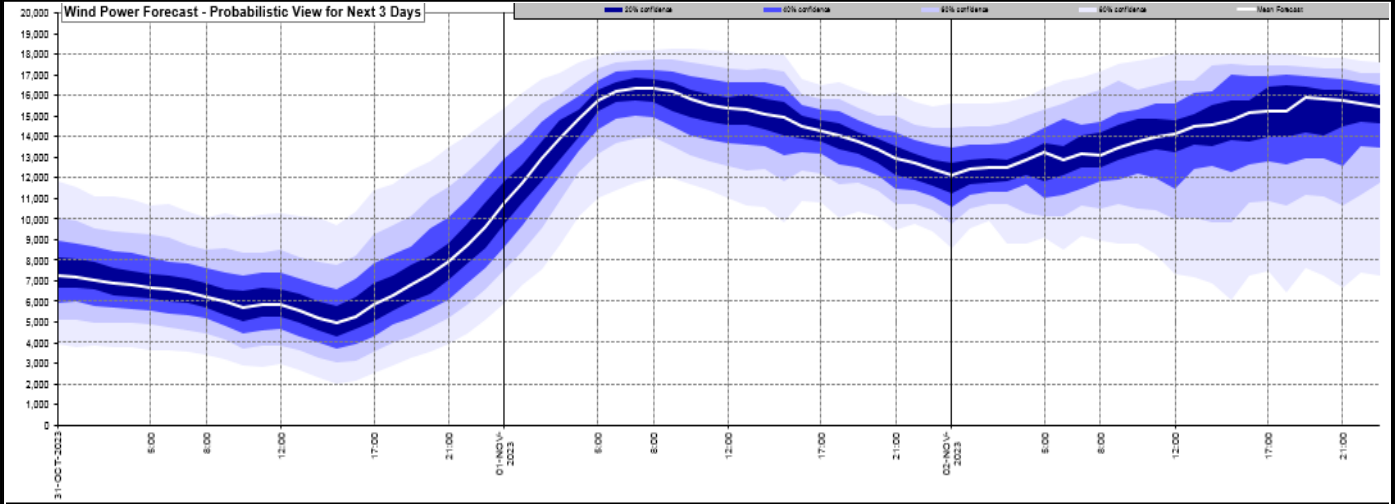
**Yesterday's Market Summary**

|                                       |                  |
|---------------------------------------|------------------|
| <a href="#">Cash Out Price (Max)</a>  | £189 (SP 33, 34) |
| <a href="#">Cash Out Price (Min)</a>  | £-80.65 (SP 1)   |
| <a href="#">Peak Demand Yesterday</a> | 39,556 MW        |
| Minimum Demand                        | 18,611 MW        |

**Interconnector Net Transfer Capacity (MWs)**

| Today                    | Import | Export | Remarks                          |
|--------------------------|--------|--------|----------------------------------|
| Netherlands (BritNed)    | 1000   | 1000   | Fully Available                  |
| France (IFA)             | 1500   | 1500   | Partially available              |
| Belgium (Nemo)           | 1000   | 1025   | Fully Available                  |
| Ireland (EWIC)           | 500    | 530    | Fully Available                  |
| France (ElecLink)        | 1000   | 1000   | Fully Available                  |
| Northern Ireland (MOYLE) | 500    | 500    | Fully Available                  |
| Norway (NSL)             | 1424   | 1424   | Fully Available from 14:00 hours |
| France (IFA2)            | 1014   | 1014   | Fully Available                  |
| Viking Link              | 0      | 0      | Not yet commissioned             |

**Wind Power Forecast**

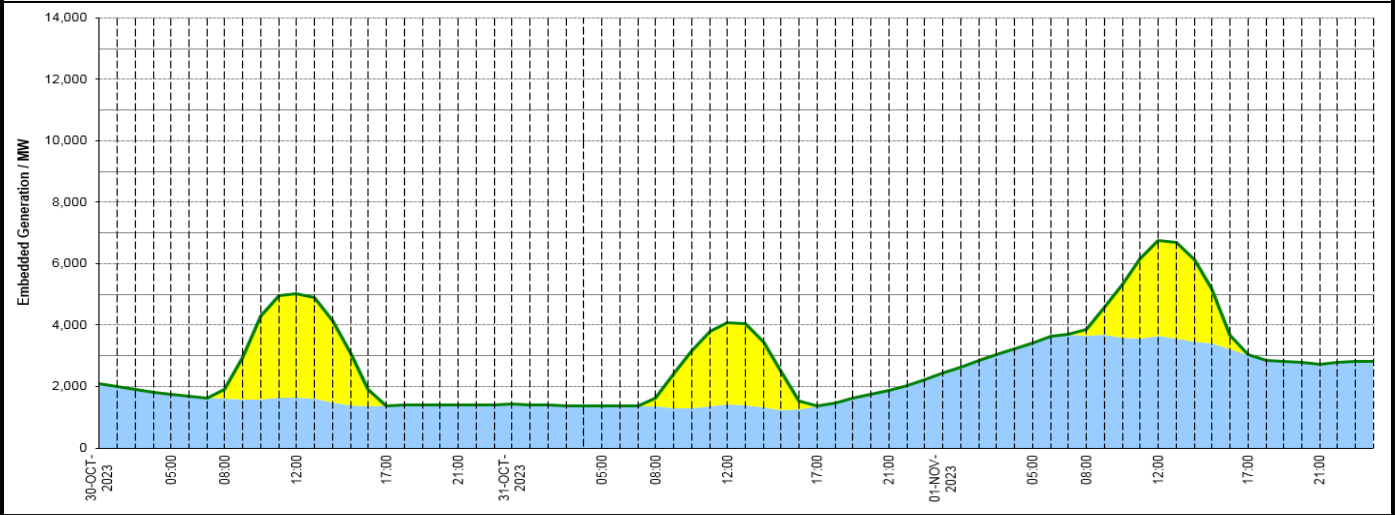


**Expected embedded generation (MWs)**

**Embedded Generation Forecast**

Embedded Generation Estimates Last run: 31-Oct-2023 04:32:16

|                   | 30-OCT-2023 |             |             |             |             | 31-OCT-2023 |             |             |             |             | 01-NOV-2023 |             |             |             |             |             |             |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                   | 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           | 308         | 3378        | 0           | 0           | 0           | 0           | 277         | 2652        | 0           | 0           | 0           | 0           | 204         | 3089        | 0           | 0           |
| Wind (MW)         | 1752        | 1597        | 1653        | 1385        | 1417        | 1420        | 1383        | 1357        | 1430        | 1366        | 1888        | 2442        | 3430        | 3667        | 3652        | 3038        | 2724        |
| STOR (MW)         | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           | 0           |
| <b>Total (MW)</b> | <b>1752</b> | <b>1905</b> | <b>5031</b> | <b>1385</b> | <b>1417</b> | <b>1420</b> | <b>1383</b> | <b>1634</b> | <b>4082</b> | <b>1366</b> | <b>1888</b> | <b>2442</b> | <b>3430</b> | <b>3871</b> | <b>6741</b> | <b>3038</b> | <b>2724</b> |



| Weather   | Source  | Commentary   |
|---|---|--|
| Latest forecast (Summary)   | <a href="#">Met Office</a><br><a href="#">SEPA</a><br><a href="#">Natural Resources Wales</a>                                     | <p><b>Today:</b><br/>Scotland will have sunny spells and isolated showers on Tuesday. Elsewhere there will be some sunshine, but with outbreaks of showery rain. A new band of persistent rain arriving into the southwest later. Winds strengthening across the west later.</p> <p><b>Tonight:</b><br/>Bands of rain, locally heavy moving northeast,. Becoming windy with coastal gales developing in the west and later near English Channel coasts. Colder but dry in the far north.</p>   |
| General Weather Concerns e.g. wind, rain, snow, flooding, GB Weather Warnings | <a href="#">Met Office</a><br><a href="#">Weather Warnings</a><br><a href="#">SEPA</a><br><a href="#">Natural Resources Wales</a> | <p><b>UK Weather Warnings</b><br/>Yellow warning of rain<br/>Areas affected: East of England   London &amp; South East England   South West England   Wales   West Midlands<br/>Heavy rain associated with Storm Ciarán is likely to bring disruption to parts of southern Britain.</p> <ul style="list-style-type: none"> <li>- Delays or cancellations to train and bus services are possible</li> <li>- Homes and businesses could be flooded, causing damage to some buildings</li> <li>- Some communities may be cut off by flooded roads</li> <li>- Fast flowing or deep floodwater is possible, causing a danger to life</li> </ul> |

| Weather | Source | Commentary   |
|---------|--------|--|
|         |        | <p>Areas affected: Northern Ireland</p> <p>Another period of heavy rain is likely to bring some flooding and transport disruption across Northern Ireland.</p> <ul style="list-style-type: none"> <li>- Spray and flooding could lead to difficult driving conditions and some road closures</li> <li>- Delays or cancellations to train and bus services are possible</li> <li>- Homes and businesses could be flooded, causing damage to some buildings</li> <li>- Some communities may be cut off by flooded roads</li> </ul> |
|         |        | <p><b>Flood Warnings</b></p> <p>26 flood warnings and 124 flood alerts issued for England.</p> <p>2 flood warnings and 0 flood alerts issued for Scotland.</p> <p>3 flood warnings and 10 flood alerts issued for Wales</p>  |

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| Further Information        |   |
|----------------------------|---|
| BM Reports                 | <a href="https://www.bmreports.com">https://www.bmreports.com</a>   |
| System Balancing Reports   | <a href="https://www.nationalgrideso.com/industry-information/industry-data-and-reports/system-balancing-reports">https://www.nationalgrideso.com/industry-information/industry-data-and-reports/system-balancing-reports</a>     |
| Forecast Volumes and Costs | <a href="https://www.nationalgrideso.com/industry-information/industry-data-and-reports/forecast-volumes-and-costs">https://www.nationalgrideso.com/industry-information/industry-data-and-reports/forecast-volumes-and-costs</a> |