

**National Electricity
Transmission System Status Report**



national**grid**ESO

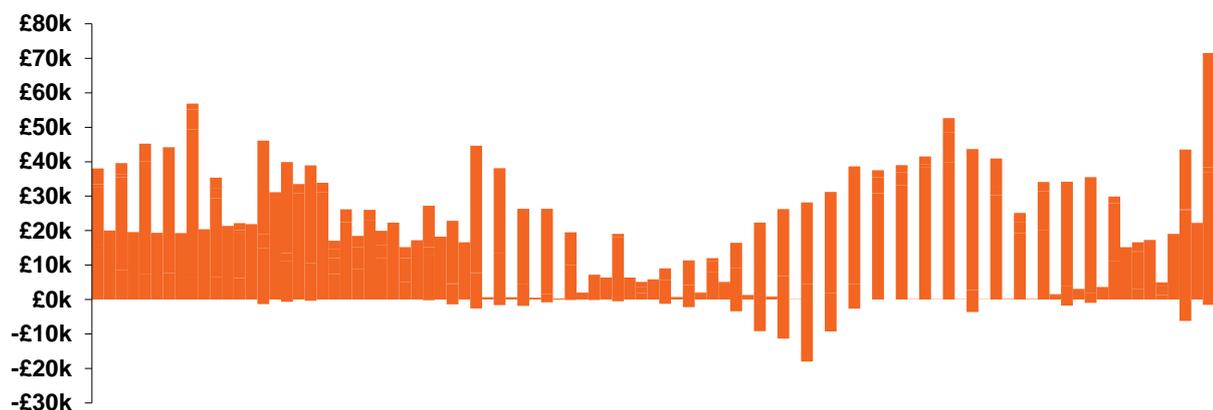
National Electricity Transmission System Status Report
Monday 16 December 2019

| Today's High Level Risk Status Forecast for the next 24h | | | |
|--|--|----------------|--|
| General Status | | Voltage | |
| Demand | | System Inertia | |
| System Margins | | Weather | |
| Generation | | Transmission | |
| Active Constraints | | | |

| | | |
|---|----------------|--------|
| Today's Minimum De-Rated Margin | 5010MW (SP 35) | |
| System Warnings | None | |
| Current BMU Largest Loss Risk | Generation | 1260MW |
| | Demand | 560MW |

Balancing Costs

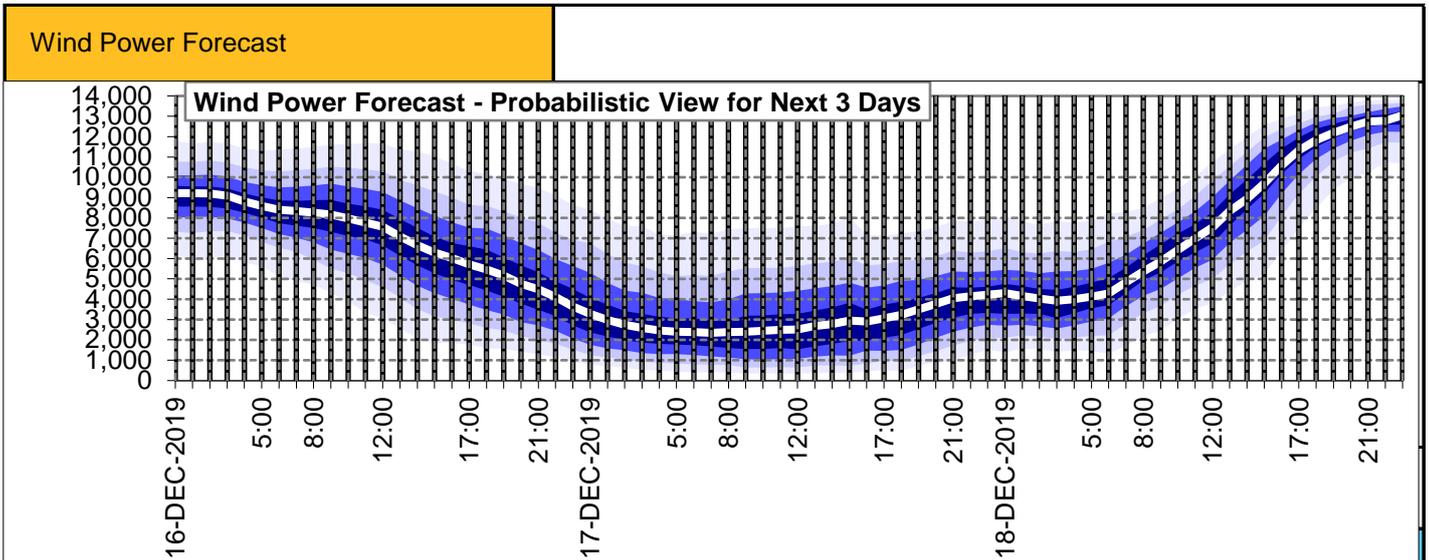
Last 24 hours' BM spend Total: £1901k



Yesterday's Market Summary

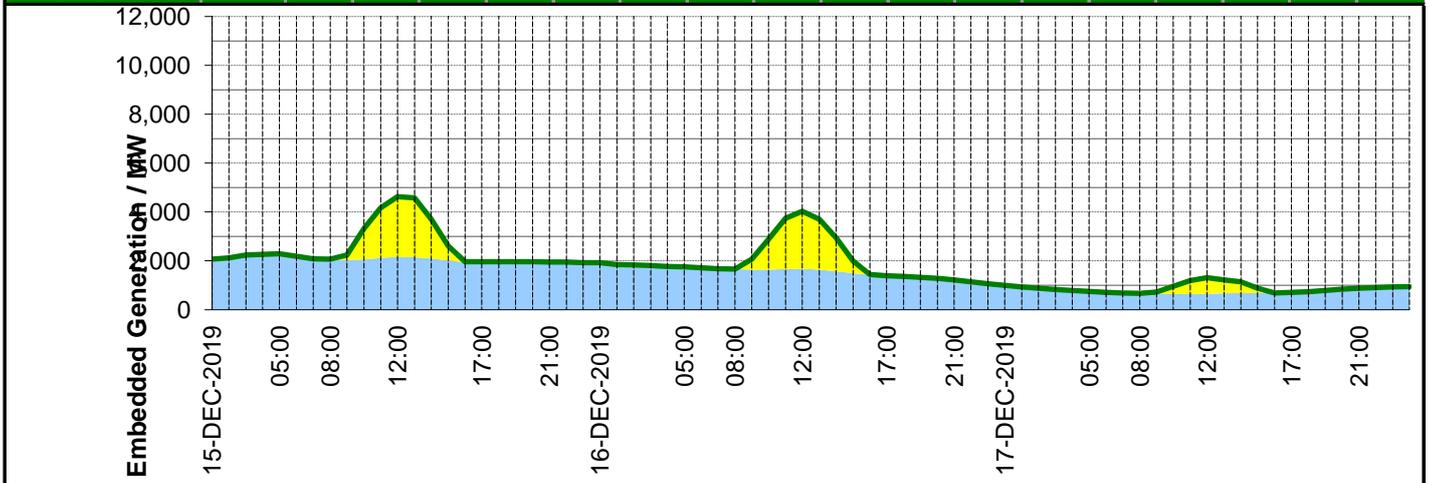
| | |
|---------------------------------------|-----------------------|
| Cash out price (Max) | £63.00/MWh (SP 34-37) |
| Cash Out Price (Min) | £2.50/MWh (SP 10,20) |
| Peak Demand Yesterday | 41,637 MW |

| Interconnectors | | | |
|-----------------------------|--------|--------|----------------------|
| Net Transfer Capacity (MWs) | | | |
| Today | Import | Export | |
| Netherlands (BritNed) | 1100 | 1133 | Fully available |
| France (IFA) | 2000 | 2000 | Fully Available |
| Belgium (Nemo) | 1013 | 1013 | Fully Available |
| Ireland (EWIC) | 500 | 530 | Fully Available |
| Northern Ireland (MOYLE) | 395 | 500 | Partially available. |



Embedded Generation Forecast

| | 15-DEC-2019 | | | | | 16-DEC-2019 | | | | | 17-DEC-2019 | | | | | | |
|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|-------------|------------|------------|
| | 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 | 2460 | 0 | 0 | 0 | 0 | 0 | 2355 | 0 | 0 | 0 | 0 | 0 | 662 | 0 | 0 |
| Wind (MW) | 2291 | 2067 | 2167 | 1972 | 1958 | 1890 | 1755 | 1666 | 1675 | 1395 | 1222 | 1003 | 757 | 672 | 650 | 715 | 886 |
| STOR (MW) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total (MW) | 2291 | 2067 | 4627 | 1972 | 1958 | 1921 | 1755 | 1666 | 4030 | 1395 | 1222 | 1003 | 757 | 672 | 1312 | 715 | 886 |



| Weather | Source | Commentary |
|---|---|---|
| <p>Latest forecast (Summary)</p> | <p>Met Office SEPA Natural Resources Wales</p> | <p>Today: Showers for parts of Scotland with some hill snow, mainly over the west and north Highlands. Showers continuing for western and southern coastal areas, merging into a larger area of rain in the southeast during the afternoon. Becoming less windy.</p> <p>Tonight: Rain, with hill snow, for Scotland, perhaps affecting Northern Ireland and northern England for a time. Persistent rain in the southeast. Between these cold with frost and some freezing fog.</p> |
| <p>General Weather Concerns e.g. wind, rain, snow, flooding, GB Weather Warnings</p> | <p>Met Office Weather Warnings SEPA Natural Resources Wales</p> | <p>Yellow warning of ice</p> <p>Areas affected: Central, Tayside & Fife Grampian North East England North West England SW Scotland, Lothian Borders Strathclyde Yorkshire & Humber</p> <p>ACTIVE</p> <p>Started at: 03:00 GMT on Mon 16 December</p> <p>Ends: 11:00 GMT on Mon 16 December Some icy surfaces again tonight and to start Monday.</p> <ul style="list-style-type: none"> - Icy patches on some untreated roads, pavements and cycle paths - Icy surfaces may make injuries or accidents more likely. <p>Flood Warnings 15 Flood Warnings Warnings</p> <p style="text-align: right;">England Scotland no Flood Wales no Flood Warnings</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 |