

**National Electricity
Transmission System Status Report**



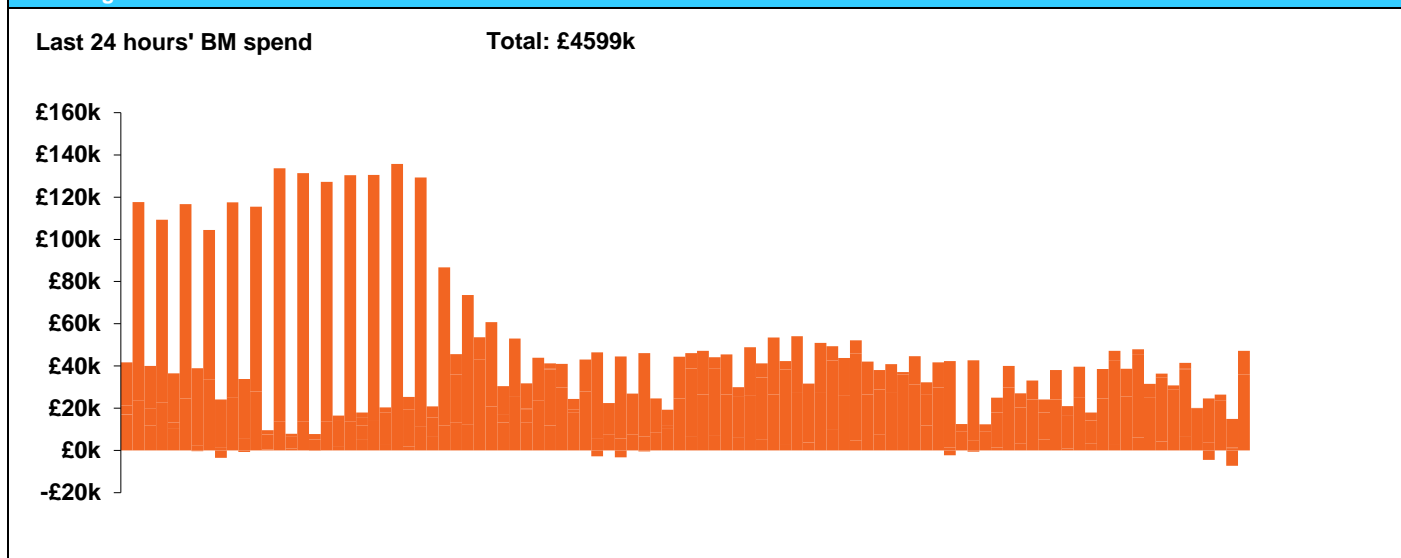
national**grid**ESO

**National Electricity Transmission System Status Report
Thursday 12 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	4966 MW (SP 35)	
System Warnings	None	
Current BMU Largest Loss Risk	Generation	1260MW
	Demand	560MW

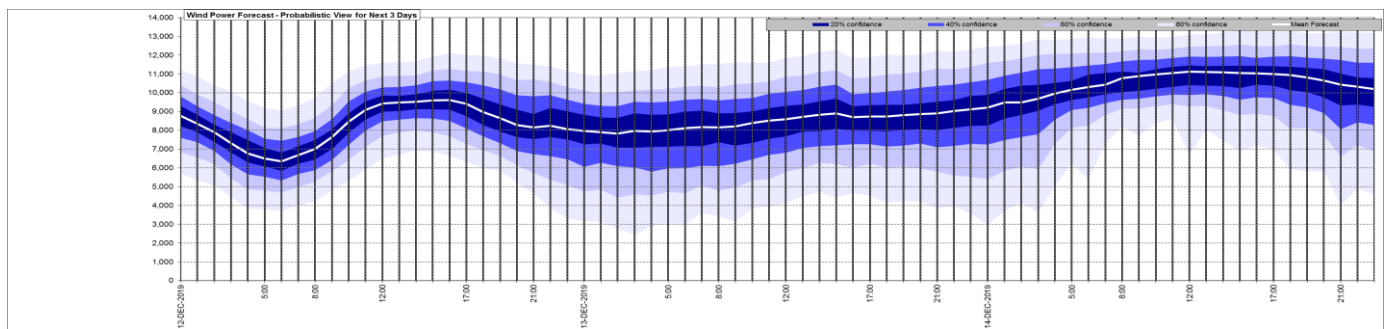
Balancing Costs



Yesterday's Market Summary	
Cash out price (Max)	£68.00/MWh (SP 36-37)
Cash Out Price (Min)	£-88.00/MWh (SP9,10)
Peak Demand Yesterday	38,653 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.

Wind Power Forecast



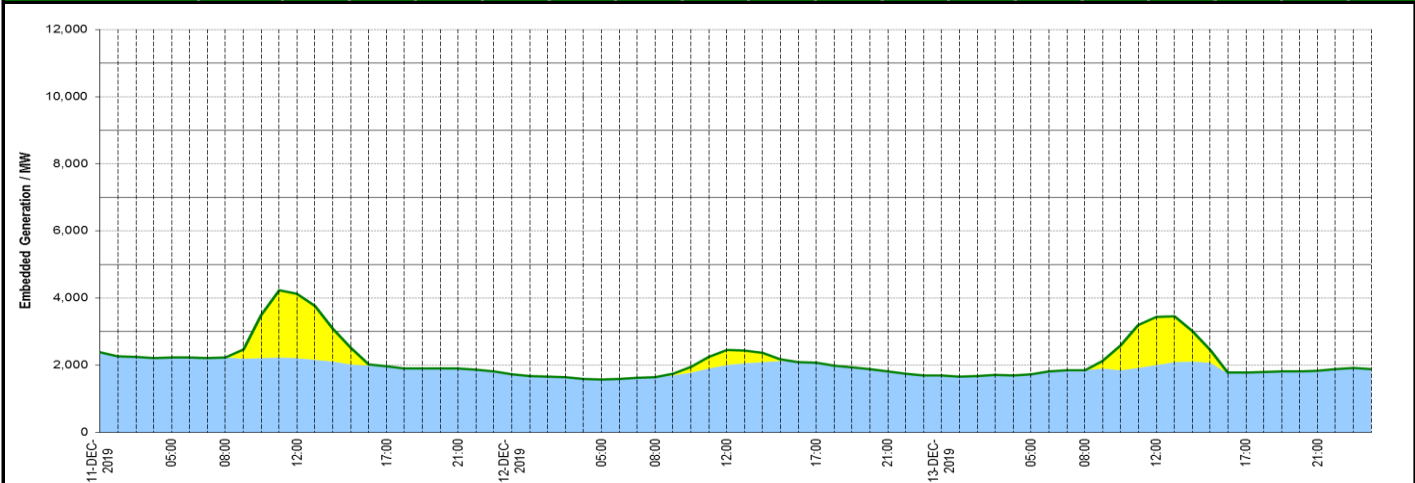
Key:

- 20% confidence
- 40% confidence
- 60% confidence
- 80% confidence
- Mean Forecast

Expected embedded generation (MWs)

Embedded Generation Forecast

	11-DEC-2019					12-DEC-2019					13-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	1	1930	1	0	0	0	0	453	0	0	0	0	0	1444	0	0
Wind (MW)	2233	2221	2205	1966	1894	1726	1571	1649	1999	2072	1811	1688	1729	1851	2002	1774	1832
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (MW)	2233	2222	4135	1967	1894	1726	1571	1649	2452	2072	1811	1688	1729	1851	3446	1774	1832



Weather	Source	Commentary
<p>Latest forecast (Summary)</p>	<p>Met Office SEPA Natural Resources Wales</p>	<p>Today: Early cloud and rain over Northern Ireland, Wales and southwest England spreading into most other regions. Hill snow likely for parts of Scotland and northern England. Northern Scotland staying brighter. Becoming windy with gales in parts of the south-west later.</p> <p>Tonight: Rain, with snow on some northern hills, continuing to move north-east. Clear spells and showers following, some heavy with hail in the south-west, where gales are likely, severe on coasts.</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>Warnings - Ice (North and South Scotland) - Flood (5 x Scotland, 4 x England)</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