

**National Electricity  
Transmission System Status Report**



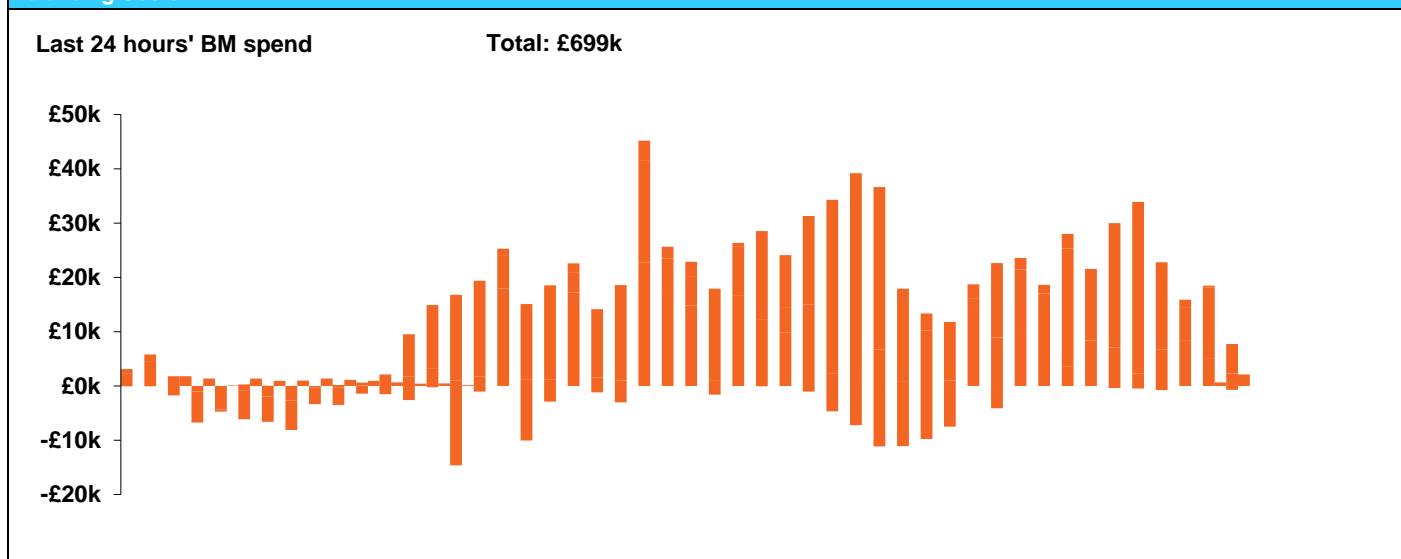
national**grid**ESO

**National Electricity Transmission System Status Report**  
Wednesday 18 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			

<a href="#">Today's Minimum De-Rated Margin</a>	8113 MW (SP 34)	
<a href="#">System Warnings</a>	None	
Current BMU Largest Loss Risk	Generation	1260MW
	Demand	560MW

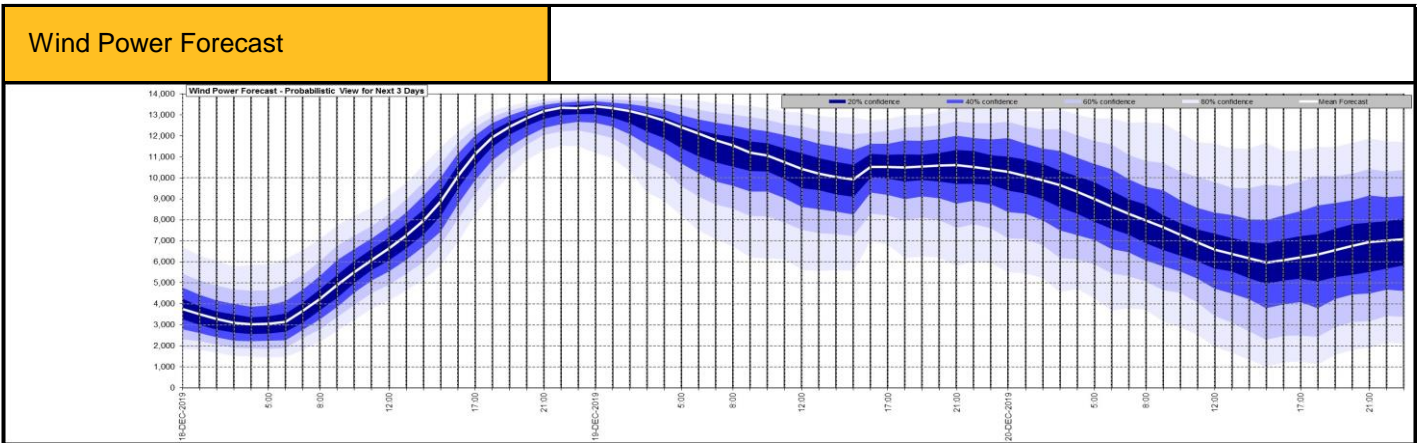
**Balancing Costs**



**Yesterday's Market Summary**

<a href="#">Cash out price (Max)</a>	£63.00/MWh (SP 34-37)
<a href="#">Cash Out Price (Min)</a>	£2.50/MWh (SP 10,20)
<a href="#">Peak Demand Yesterday</a>	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.

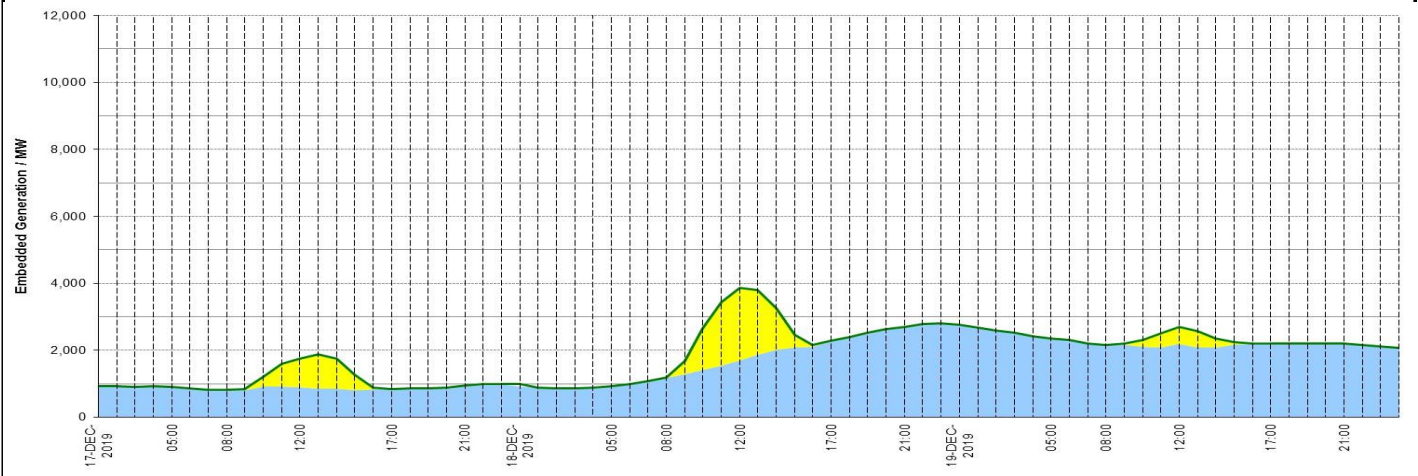


Key:

20% confidence	40% confidence	60% confidence	80% confidence	Mean Forecast
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### Expected embedded generation (MWs)

Embedded Generation Forecast	17-DEC-2019					18-DEC-2019					19-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	857	0	0	0	0	10	2178	0	0	0	0	0	507	0	0
Wind (MW)	899	813	898	842	953	919	934	1167	1692	2281	2693	2773	2353	2154	2183	2204	2205
STOR (MW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total (MW)</b>	<b>899</b>	<b>813</b>	<b>1755</b>	<b>842</b>	<b>953</b>	<b>997</b>	<b>934</b>	<b>1177</b>	<b>3870</b>	<b>2281</b>	<b>2693</b>	<b>2773</b>	<b>2353</b>	<b>2154</b>	<b>2690</b>	<b>2204</b>	<b>2205</b>



Weather	Source	Commentary
Latest forecast (Summary)	<a href="#">Met Office</a> <a href="#">SEPA</a> <a href="#">Natural Resources Wales</a>	<p><b>Today:</b> Fog slow to clear especially over east and northeast England. Some sunshine for many, with only the odd coastal shower. However thickening cloud and strong winds will push heavy rain into parts of Northern Ireland, western Scotland and southwest Britain.</p> <p><b>Tonight:</b> Turning milder for all, as strong winds sweep rain northwards and eastwards across remaining areas. The rain will be heavy in places, especially in the south, with possible localised flooding.</p>
General Weather Concerns  e.g. wind, rain, snow, flooding, GB Weather Warnings	<a href="#">Met Office Weather Warnings</a> <a href="#">SEPA</a> <a href="#">Natural Resources Wales</a>	<p><b>Weather warning</b></p> <p>Yellow warning of fog Areas affected: East Midlands   East of England   London &amp; South East England   North West England   South West England   Wales   West Midlands   Yorkshire &amp; Humber</p> <p>Yellow warning of ice Areas affected: East Midlands   East of England   London &amp; South East England   North West England   South West England   West Midlands   Yorkshire &amp; Humber</p> <p>Yellow warning of wind Areas affected: Northern Ireland   SW Scotland, Lothian Borders   South West England   Strathclyde   Wales</p> <p>Yellow warning of rain Areas affected: South West England   Wales   London &amp; South East England   South West England</p> <p><b>Flood Warnings</b> <span style="float: right;">England</span>            11 Flood Warnings            England 88 Flood Alerts            Scotland no Flood Warnings            Wales 1 Flood Alerts</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/balancing-data/system-balancing-reports">https://www.nationalgrideso.com/balancing-data/system-balancing-reports</a>
Forecast Volumes and Costs	<a href="https://www.nationalgrideso.com/balancing-data/forecast-volumes-and-costs">https://www.nationalgrideso.com/balancing-data/forecast-volumes-and-costs</a>
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