Capacity Market Notices

Whilst SBR goes live on 01 November 2016, Capacity Market Agreements become deliverable from 01 October 2016.

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Capacity Market Notices (CMNs)

Notice to market **4 hours ahead** of real time (System Margin calc)

Given where **expectation of a Stress Event** is higher than a threshold

Settlement tool; **not an operational dispatch signal**.

Observe BMRS for traditional warnings and Demand Control Events

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**Capacity Market Notice** vs **Electricity Margin Notice**

<table>
<thead>
<tr>
<th>Capacity Market Notice</th>
<th>vs</th>
<th>Electricity Margin Notice</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automated</td>
<td></td>
<td>Manual</td>
</tr>
<tr>
<td>500MW above Margin requirement</td>
<td>Trigger</td>
<td>500-700MW below Margin requirement</td>
</tr>
<tr>
<td>Not included</td>
<td></td>
<td>Included</td>
</tr>
<tr>
<td>4 hours out (for initial alert)</td>
<td>Threshold</td>
<td>Included</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Flexible</td>
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</tbody>
</table>
How are CMNs calculated?

- No CMN Trigger:
  - Conventional Generation MELs
  - Wind Forecast
  - NBM STOR

- CMN Triggered:
  - National Demand Forecast
  - Station Load
  - Interconnector Flow (+’ive or –’ive)

- Operating Margin:
  - Regulating Reserve
  - Reserve for Response
  - Contingency Reserve
  - STOR Requirement
What is a system stress event?

SO issued **Demand Control Instruction** or LF relay operated to curtail demand in accordance with Grid Code.

- Demand Control Instruction is for a period greater than 15 minutes.
- Volume of Demand Control instructed is greater than volume of generation curtailed by SO in same SP.
- Demand Control Instruction not resultant from fault(s) on the transmission system or distribution network.

**Known close to Real Time**

**Known Post Event**
## CMN communications

<table>
<thead>
<tr>
<th>Discrete Website</th>
<th>CMNs</th>
<th>System Stress Events</th>
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</thead>
<tbody>
<tr>
<td>• New website developed (<a href="http://gbcmn.nationalgrid.co.uk">gbcmn.nationalgrid.co.uk</a>)&lt;br&gt;• Subscribable alerts (e-mail and SMS)&lt;br&gt;• Alerts will direct recipient to webpage for content&lt;br&gt;• Frequently Asked Questions</td>
<td>• Automated alert communicated 4 hours out to include:-&lt;br&gt;  • Commencement time&lt;br&gt;  • Circumstances triggering notice&lt;br&gt;  • Demand and Operating Margin (MW)&lt;br&gt;  • Aggregate BMU capacity (MW)&lt;br&gt;  • Can be cancelled closer to real time</td>
<td>• Manual alert following post Demand Control analysis&lt;br&gt;• Times covered by any System Stress Event</td>
</tr>
</tbody>
</table>
CMN scenarios

Note: Where National Grid is managing a margin challenge within 4 hours, and a CMN is not active, all communications will be managed through traditional routes via the System Warnings page on BM Reports.

A. Margin issue for SP 35 @ 4hrs out → CMN active from 17.00 and communicated to market on discrete website

B. Margin issue for SP 35 persists @ 3.5 hrs out
   - Margin issue for SP 36 @ 4 hrs out → Original CMN remains in place from 17.00

C. Margin issue for SP 35 persists @ 3.5 hrs out
   - Margin issue for SP 36 persists @ 3.5 hrs out
     - No margin issue for SP37 @ 4 hrs out → Original CMN remains in place from 17.00

D. No margin issue for any SP in next 4 hrs → CMN cancelled and communicated to market

E. No margin issue during SP39 @ 4 hrs out → No CMN required

Settlement Periods
Note: SP35 commences at 17:00

26 27 28 29 30 31 32 33 34 35 36 37 38 39
A B C D E
Confirmation of Electricity System Stress Event
Posted by National Grid (System Operator) on Thursday 19th January 2017 at 8:32pm

Start time of System Stress Event | Tuesday 17th January 2017 at 5:00pm
End time of System Stress Event | Tuesday 17th January 2017 at 6:00pm

Message from System Operator
Posted by National Grid (System Operator) on Wednesday 18th January 2017 at 7:58pm


Electricity Capacity Market Notice Cancelled
Posted by National Grid (System Operator) on Tuesday 17th January 2017 at 6:25pm

The Capacity Market Notice originally active from 5:00pm on Tuesday 17th January 2017 is being cancelled from 6:30pm on Tuesday 17th January 2017.

Electricity Capacity Market Notice Currently Active
Posted by National Grid (System Operator) on Tuesday 17th January 2017 at 6:25pm

The Capacity Market Notice currently active from 6:30pm on Tuesday 17th January 2017 is: [details]

Filter Notifications
Sort posts by
Date range
Categories to view
- Capacity Market Notices
- System Stress Events
- General Notifications

Date range
22 May 2016 - 16 Jun 2018
Website information

- Desktop / Tablet / Mobile platforms – IE browser advice
- International mobile phone numbers
- Subscription process (no account / passwords to manage)
- Subscription status
- Frequently asked questions
- “Contact Us” form managed by EMR Delivery Body team
- Feedback on all aspects of website welcomed
Recap of key messages

Capacity Market goes live on 01 October 2016

2016/17 Transition Period is an opportunity to learn

Particular interest in 4hr and 500MW (threshold) constants

CMNs are not an operational dispatch tool

Operational messages will continue to appear on BMRS

Discrete website developed – gbcmn.nationalgrid.co.uk

Article - http://nationalgridconnecting.com/ready-change/