

Firm Frequency Response Market Information for November-15

Monthly Report

Published: September 2015

Key points

This Market Information Report is relevant for **tenders submitted in October for delivery in November.**

Tenders from eligible service providers for firm frequency response should be submitted by **Thursday 1st of October 2015** (1st business day) for all tenders.

National Grid will notify service providers of the outcome of the tender assessment by **Friday 16th of October 2015** (12th business day).

For successful tenders, National Grid will notify nominated windows, following assessment by **Friday 16th of October 2015** (12th business day).

Introduction

Firm Frequency Response (FFR) is a service through which balancing mechanism (BM) and non-BM participants commit to providing a given measure of response for a fee. National Grid procures the services through a monthly tender process ahead of BM timescales.

Submitted prices are compared to the costs of alternatives to deliver the equivalent level of frequency response. Mandatory response costs include the forecast response holding costs, the forecast bid and offer positioning costs and the forecast cost of creating headroom to provide response. You can find more information about how these costs are considered during tender assessments via the link below.

This report provides information to current and potential providers about the volume of, and time periods over which, response is required.

Highlights

In September 2015, we received 80 FFR tenders for delivery to start from October onwards. 14 tenders were from BM units and 66 were from non-BM units. More details on the tenders accepted/rejected are available from the post-assessment tender report.

Both the FFR Assessment Principles and Post-Assessment Tender Report are available at:

<http://www.nationalgrid.com/uk/Electricity/Balancing/services/frequencyresponse/ffr/>

For a monthly summary of the cost of services procured please follow the below link to the Monthly Balancing Services Summary (MBSS), which breaks costs down by service.

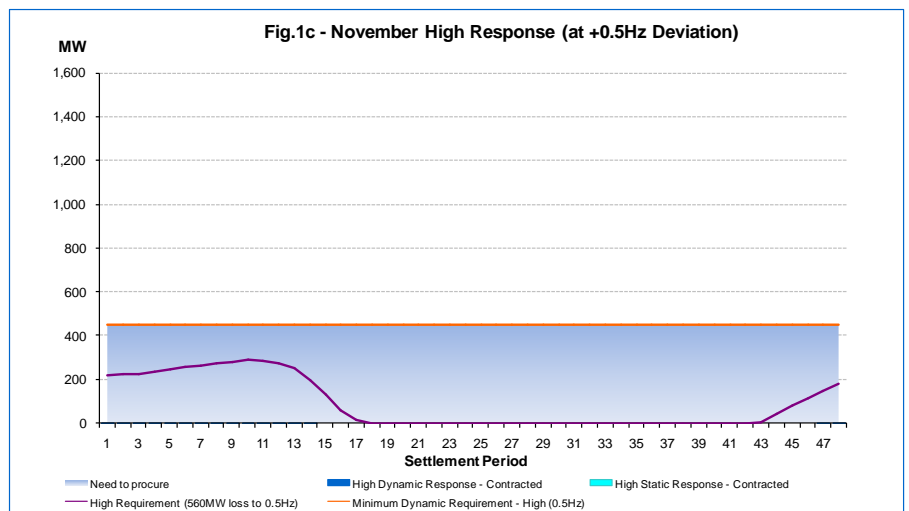
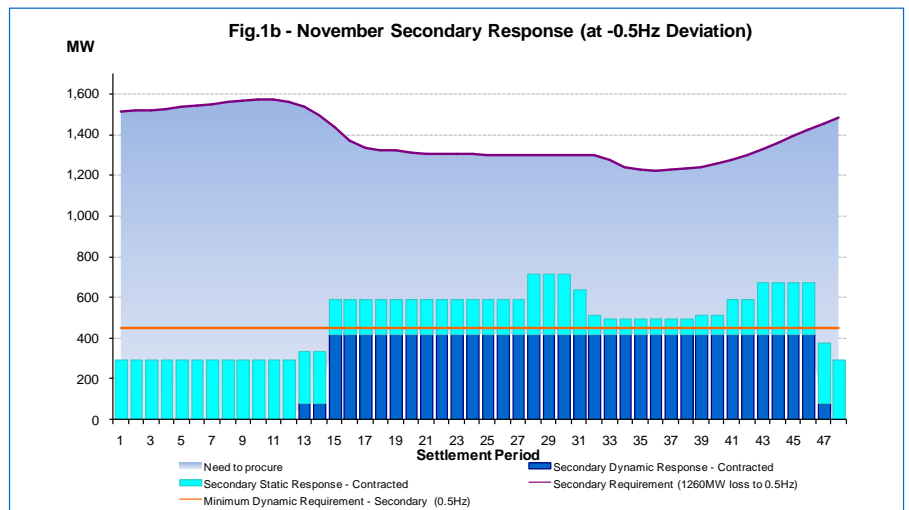
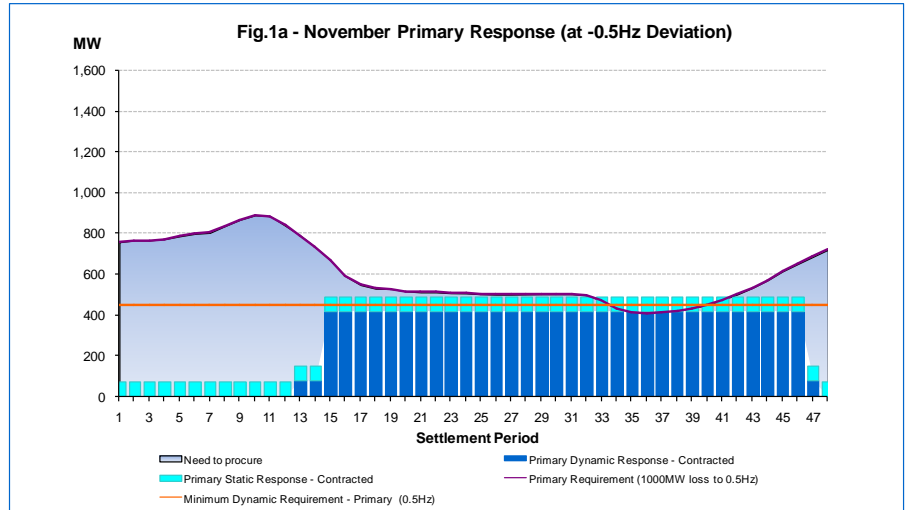
<http://www2.nationalgrid.com/UK/Industry-information/Electricity-transmission-operational-data/Report-explorer/Services-Reports/>

November-15 Requirement

The figures on this page show the amount of existing contracted response capability available by Settlement Period, against the minimum dynamic requirement and the total overall requirement. The remaining requirement is the grey/blue shaded area. NGET will look to fill this requirement via contracts ahead of time or in real-time via the mandatory market.

Key points

- The response requirement for each type is greater overnight.
- Greater preference is given to secondary response. More secondary response is required than primary or high response
- For both primary and secondary response the total requirement is greater than the minimum dynamic requirement. This means a Static service could help meet the total requirement.
- For high response the minimum dynamic requirement is greater than the requirement. This means a Static service would not help meet the requirement.

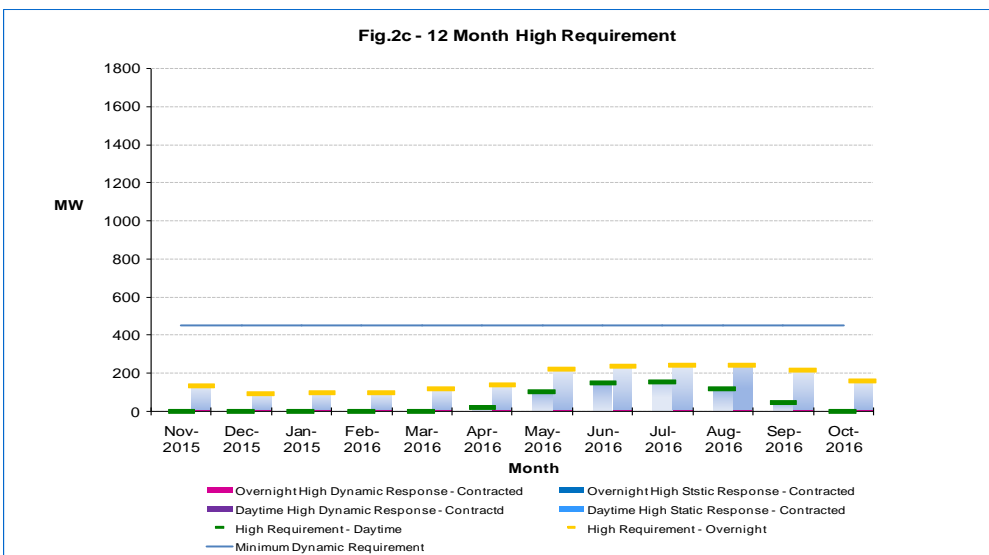
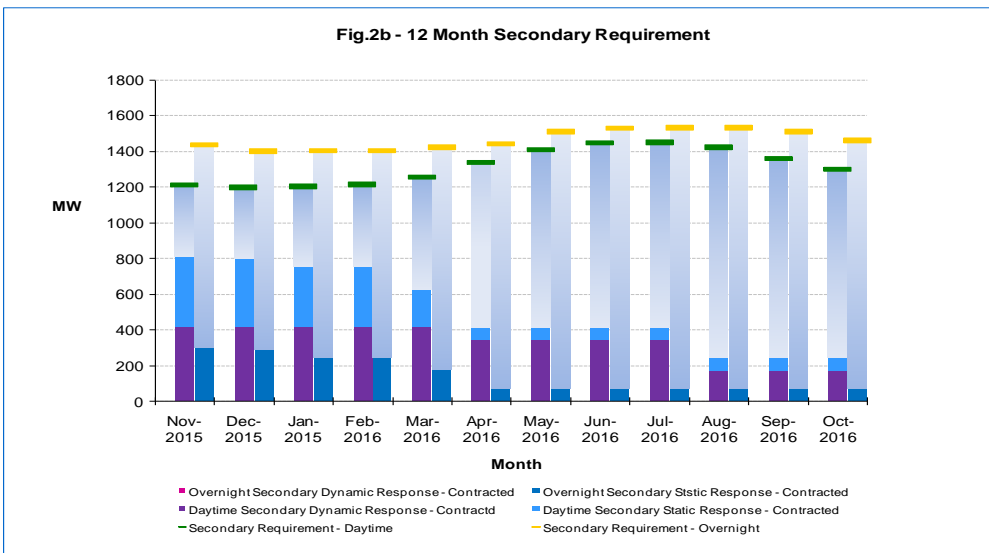
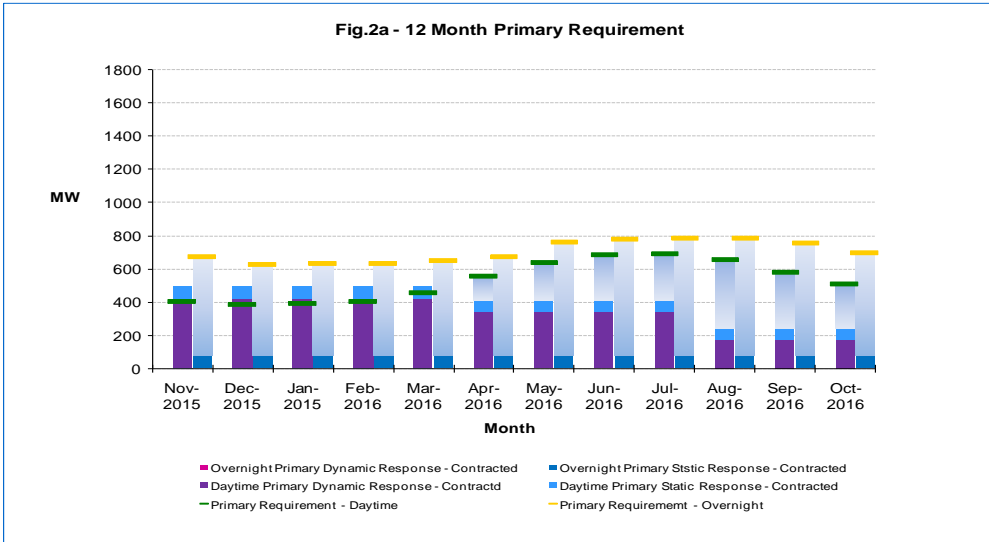


12-Month Requirement

The following charts contain similar information to the monthly requirements above but extends it over the next 12 months. The charts provide an estimate of the response requirements by day/night, and includes information on existing contracts. The grey/blue shaded area is the approximate response that will need to be procured. The minimum dynamic requirement for primary, secondary and high response over the 12 month period is 450MW.

Key points

- The response requirement is greater during the summer than winter.
- The response requirement is greater overnight than during the daytime
- The secondary response requirement is greater than primary or high requirements throughout the year
- The primary and secondary response requirements are greater than the minimum dynamic throughout the year. A static response service could therefore be beneficial in meeting the total requirement.
- For High frequency response, the minimum dynamic response (450MW) is greater than the requirement throughout the year. A static response service would not be beneficial in meeting the requirement.



Requirement Tables

The following tables state the predicted amount, in MW, of response we need to procure in the future.

November requirement:

Settlement Period	Amount required (MW)		
	Primary	Secondary	High
1	685	1,213	215
2	694	1,220	223
3	694	1,220	223
4	700	1,225	229
5	714	1,236	242
6	726	1,246	253
7	731	1,251	258
8	764	1,260	269
9	795	1,268	278
10	817	1,273	284
11	813	1,272	283
12	766	1,261	270
13	638	1,202	246
14	581	1,155	192
15	176	846	134
16	98	781	59
17	55	745	18
18	37	730	1
19	36	730	0
20	24	719	0
21	19	715	0
22	19	715	0
23	15	712	0
24	14	711	0
25	10	708	0
26	8	706	0
27	8	707	0
28	9	584	0
29	10	584	0
30	10	584	0
31	10	660	0
32	5	780	0
33	0	777	0
34	0	744	0
35	0	730	0
36	0	724	0
37	0	730	0
38	0	737	0
39	0	726	0
40	0	740	0
41	0	685	0
42	9	708	0
43	41	649	5
44	78	680	41
45	122	716	83
46	158	746	117
47	533	1,073	146
48	648	1,182	179

12 month requirement

Daytime	Amount required (MW)		
	Primary	Secondary	High
Nov-2015	0	408	0
Dec-2015	0	404	0
Jan-2016	0	452	0
Feb-2016	0	463	0
Mar-2016	0	628	0
Apr-2016	139	924	22
May-2016	223	995	103
Jun-2016	270	1,033	147
Jul-2016	276	1,038	153
Aug-2016	410	1,179	119
Sep-2016	334	1,116	47
Oct-2016	263	1,057	0

Overnight	Amount required (MW)		
	Primary	Secondary	High
Nov-2015	596	1,138	129
Dec-2015	552	1,114	88
Jan-2016	557	1,160	92
Feb-2016	556	1,159	91
Mar-2016	577	1,241	112
Apr-2016	601	1,366	134
May-2016	684	1,435	214
Jun-2016	704	1,452	233
Jul-2016	710	1,456	238
Aug-2016	710	1,456	238
Sep-2016	682	1,433	212
Oct-2016	622	1,384	155

If you have any queries, suggestions or feedback on the content or format of the new report please contact your account manager or

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