

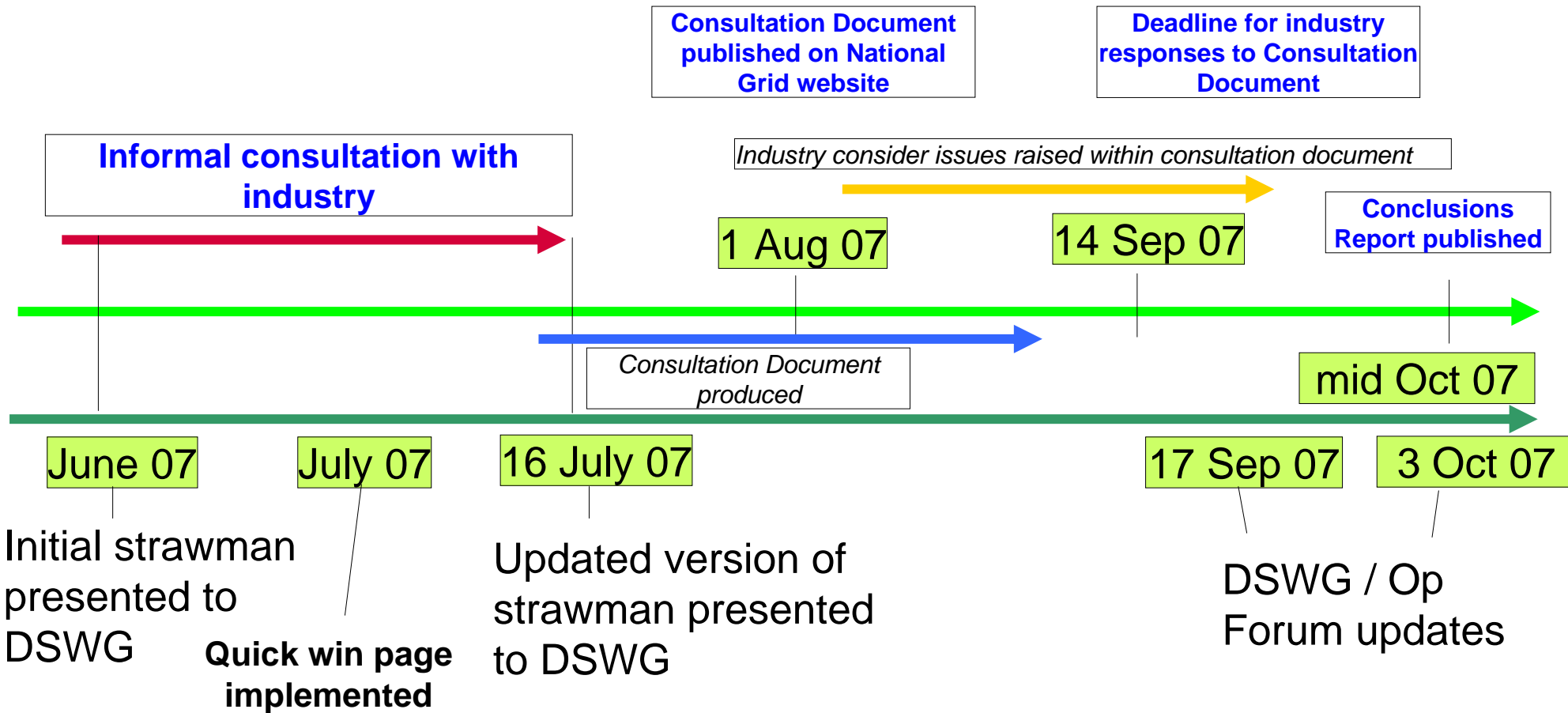
Electricity Market Information

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Agenda

- ◆ Current consultation process
- ◆ Responses to consultation
- ◆ Items arising from the consultation
- ◆ Latest strawman summary page
- ◆ Plan for the way forward

Current Electricity consultation



Consultation responses – (1)

- ◆ Consultation document was published on 1 August and responses were invited by Friday 14 September
- ◆ 11 responses have been received – thanks for your feedback
- ◆ Similar level of response to Winter Consultation
- ◆ The current consultation phase is now closed, and responses will be used to formulate our conclusions
- ◆ A range of different views were expressed on the different issues
- ◆ Some areas have strong support emerging e.g. publishing demand side actions & wind forecasts and improving the reliability of data published on SONAR
- ◆ Two respondents suggested some additional data over and above that proposed in consultation document

Responses – (2)

- ◆ There were varied views on the need for a summary page
- ◆ Those in favour were mainly smaller market players
- ◆ Mainly positive comments on the latest strawman.
- ◆ Recognition that multiple platforms are not ideal and make data retrieval complicated and unfriendly for occasional users
- ◆ Uncertainty expressed whether costs of centralisation could be justified
- ◆ Preference expressed to use BMRS as a primary platform for close to real-time operational and commercial information
- ◆ National Grid expect to publish conclusions document in mid October.
- ◆ We propose to include actual responses in an Appendix where permission has been given

Items arising from consultation / feedback

- ◆ Much of the new information suggested during the consultation process is contained within the strawman summary page, e.g. generation by fuel type, interconnector flows, wind generation forecasts, energy volumes, etc.
- ◆ There are also other potential items arising from the consultation including:
 - ◆ GSP level demand data
 - ◆ Bulk historic BMRS data
 - ◆ Improving resilience of SONAR data provision
 - ◆ Non-BM demand side usage
- ◆ Other work already ongoing from previous industry feedback includes consistency of demand definition and additional frequency response data

Latest strawman summary page

- ◆ The latest strawman summary page is available together with the consultation document on National Grid's Market Information webpage at:

<http://www.nationalgrid.com/uk/Electricity/Data/electricitymarketinfo/>

- ◆ Now 18 categories of information
- ◆ Latest version includes all the feedback from July DSWG meeting and initial review of consultation responses
- ◆ Mixture of tables and graphs
- ◆ Now in a more detailed specification format with more specific proposals for the display, definition and history of each data item

System Warnings

Today		Tomorrow	
Wednesday 27 June 2007	None	Thursday 28 June 2007	None

Definitions

Click [here](#) for system warning history

Peak Demands Yesterday / Today Tomorrow

Date	Forecast Demand Peak	Actual Demand Peak
Tue 26 June 2007		42960 MW
Wed 27 June 2007	43550 MW	
Thu 28 June 2007	43300 MW	
Fri 29 June 2007	42800 MW	

Definitions

Click [here](#) for historic and forecast demand data

Triad Demand Information

Winter Triad Demand Period - 1 November to 28 February	GB Demand MW
3 highest demands so far for this winter triad period	
15-Nov-07	57630
03-Dec-07	58340
04-Jan-08	57420
...	...
3 highest forecast demands for rest of this winter triad period	

Proposed implementation

- ◆ Two implementation phases identified by ELEXON and National Grid for the BMRS
 - ◆ Phase 1 – elements that can be produced using existing BMRS data feeds
 - ◆ Phase 2 – elements that require new data feeds from National Grid
- ◆ National Grid and ELEXON are considering possible BSC modifications to facilitate phase 2 improvements

Summary of responses to consultation questions

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Historic BMRS data?	Gen by fuel type?	GSP demand data?	Wind Gen Forecasts	Demand Side actions?	Improve SONAR reliability?	Triad Demand Info?	User friendliness?	Single Platform?	New info complete?	Platform Pros/Cons complete?	Preferred Primary Platform?	Summary Page required?	Options complete for summary page?	Latest strawman OK?
1 EON	No	No	Yes	Yes	Yes	Yes	No	No	Yes	Yes	No	BMRS	No	Yes	Yes
2 J Aron	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NG cat2	No	Yes	Yes
3 Uskmouth	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No		BMRS	Yes	Yes	Yes
4 RWE	No	No	No	No	Yes	Yes	No	No	No	-	Yes	BMRS	No	No	No
5 Drax	-	Yes	Yes	Yes	Yes	-	-	-	-	-	-	-	-	-	-
6 Enappsys	Yes	Yes	Yes	Yes	Yes	-	No	Yes/No	No	Yes	Yes	BMRS	Yes	Yes	Yes
7 British Energy	No	No	Yes	Yes	Yes	Yes	Yes	Yes/No	No	No	Yes	BMRS	No	-	-
8 Chemical Industries	No	Yes	No	Yes	No	No	Yes	No	No	-	-	-	Yes	-	-
9	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	BMRS	No	Yes	Yes
10 Edf Energy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	BMRS	Yes	Yes	?
11 Centrica	No	No	Yes	Yes	Yes	Yes	No	Yes	No	No	Yes	BMRS	Yes	Yes	Yes

Improve BMRS historical data

- ◆ 4 out of 11 respondents supported improving the facilities for accessing historical BMRS data
- ◆ For certain data types, it is currently only possible to query a single BMU for a single date at a time.
- ◆ A number of users have expressed the need to be able to query larger volumes of historical data from the BMRS in a more user-friendly way.
- ◆ Elexon are responsible for the BMRS system and they are currently in the process of implementing a range of improvements to BMRS facilities with Logica.
- ◆ This item is therefore currently with Elexon who are taking the issue forward.

Publish generation by fuel type

- ◆ 6 out of 11 respondents to the consultation supported the publication of this information.
- ◆ This was an example of an area that generated a range of views across the spectrum.
- ◆ Some respondents could not see any need for this and were happy with the current data provided.
- ◆ They felt that users were already at liberty to use their own databases to produce this data post event,
- ◆ One-off fuel type categories are available in the Seven Year Statement.
- ◆ Others were of the opposite view and felt that it would be very helpful to see this information.
- ◆ Suggested benefits included helping participants to understand the current generation mix and manage their positions.

Publish GSP demand data

- ◆ 8 out of 11 respondents supported the publication of this information.
- ◆ Suggested benefits included helping participants to reduce their own demand forecast errors and thereby enable the system to balance at lower cost.
- ◆ Some questioned the cost of provision and would not support it if the cost was too high.
- ◆ Others suggested that with around 400 National Grid GSPs, publishing the data at a higher level might be more helpful.
- ◆ Consensus that BMRS would be the preferred platform for this data
- ◆ We are working with ELEXON to see if we can provide this data.
- ◆ Given the volume of data involved and the practicalities this would be major area of work and we agree with some respondents that the cost could be high.
- ◆ We will assess the costs and feasibility of this data provision and engage with the industry in a more detailed understanding of the likely benefits

Wind generation forecasts

- ◆ 10 out of 11 respondents were interested in this.
- ◆ There is almost unanimous support for this area of information. Nearly all respondents believe that this would be useful data to publish.
- ◆ Benefits - help inform market participants of likely wind generation levels and possible fluctuations due to changing wind conditions, informing commercial decisions, facilitating market operation and the provision of reserve capacity.
- ◆ Respondents were satisfied with the current proposal in the strawman to publish aggregated forecast wind generation data as single current day and day ahead forecast peak figures.
- ◆ Proposal also includes the publication of historical outturns as a single aggregate daily peak figure.
- ◆ The respondent who did not see the need for this data felt that parties should take their own view of the risk associated with generation from renewable sources.

Demand side actions

- ◆ Some users have requested the publication of the volumes of demand side actions taken by National Grid, e.g. non-BM standing reserve.
- ◆ 10 out of 11 respondents to the consultation supported the publication of this information.
- ◆ Again, there is almost unanimous interest in this area of information. Nearly all respondents felt that this would be useful data to publish.
- ◆ Respondents felt that this would improve visibility of demand side actions compared to generation actions

Improving reliability of SONAR data

- ◆ 8 out of 11 respondents to the consultation indicated that they would support an improvement to SONAR reliability.
- ◆ Nearly all respondents felt that it would be beneficial to improve the current reliability of the data published on the SONAR system
- ◆ Benefit is to ensure that key operational information is published promptly and available to the market reliably and securely.

Triad Demand information

- ◆ 6 out of 11 respondents to the consultation indicated that they were interested in this
- ◆ Suggested benefits included a better response from all sides of the market and reducing system stress at the expected peak periods.
- ◆ Respondents suggested that this would improve the efficiency of the market.
- ◆ Proposal in the current strawman is to supplement current information with three highest daily peak demands so far during the winter period (Nov – Feb)
- ◆ In addition the three highest forecast daily peak demands for the remaining winter triad period would be published

Are current systems user friendly?

- ◆ 4 out of 11 respondents felt that current arrangements were not user-friendly and should be improved.
- ◆ Key areas for improvement were felt to be:
 - ◆ easier navigation within existing information sites
 - ◆ removing duplication of information
 - ◆ avoiding the need to screen scrape data and
 - ◆ centralisation of information
- ◆ One respondent could see why new entrants with limited UK experience would find the current arrangements confusing and could understand the argument for simplifying the data.
- ◆ However, they would not be in favour of major change if it involved increased costs to participants.

Conclusions / Recommendations – (1)

- ◆ Use BMRS as the primary platform for operational and commercial data close to real-time.
- ◆ Elexon are implementing the phase 1 summary page
- ◆ National Grid and Elexon should implement the daily summary page phase 2 on the BMRS including new data for
 - ◆ Wind generation forecasts
 - ◆ Generation by fuel type
 - ◆ Actual temperatures
 - ◆ Interconnector flows and
 - ◆ Energy volumes
- ◆ National Grid should improve the resilience of the data published on the SONAR system

Recommendations – (2)

- ◆ National Grid should progress the publication of demand side actions
- ◆ Elexon are already improving BMRS facilities for querying and analysing historical data as part of ongoing work
- ◆ Publication of GSP level demand data will be investigated further by means of industry discussion and analysis
- ◆ National Grid is continuing to carry out a feasibility analysis study including detailed investigation of cost, technical design and timescales

Recent progress

- ◆ A quick win summary page was published in July on the BMRS
- ◆ BSUoS data updates are now provided to Op Forum
- ◆ Reactive data is now published more quickly after the event on a monthly basis at

http://www.nationalgrid.com/uk/Electricity/Balancing/services/ReactivePower/Reactive_Utilisation/

- ◆ National Grid are continuing to progress the demand consistency work

ELEXON work

- ◆ ELEXON is working with BSC Panel Committees and the BMRS developer to progress BMRS improvements:
- ◆ Detailed design work is underway for the phase 1 summary page (with implementation planned for Q1 2008);
- ◆ A Working Group is evaluating whether there is still a business case for separate High Grade and Public web sites;
- ◆ Usability improvements to the Public website will be implemented Q1 2008;
- ◆ Options for making historical data available are currently being evaluated
- ◆ Other changes (i.e. making new data available) remain dependent on Modification Proposal

Suggested plan for the way forward

