



**Demand Estimation Sub Committee
Ad-hoc Work Plan**

13th February 2018

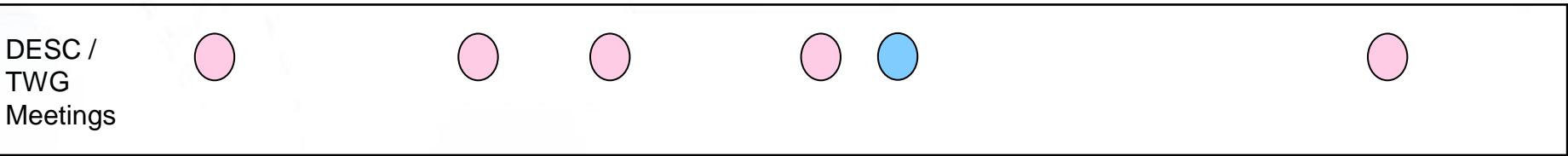
Background


- The DESC 'Ad-hoc Work Plan' was established in 2012 to capture any issues and ideas which arise during the year that DESC decide they may like to review at a later stage. The list of items is maintained by Xoserve
- The review of the plan normally occurs at the end of July once the work to produce the NDM proposals has been completed / approved for the coming gas year
- Those items which are seen as a priority would then be added to the Autumn/Winter work plan schedule, which is traditionally when there is more time available to explore such items
- At the 19th December DESC meeting it was suggested that the list of Ad-hoc work items should be more visible, and so it was agreed to make it a standing DESC agenda item. This approach provides a formal check point for agreeing if anything should be updated to the list (or removed)


Objective:

- Provide any feedback on how Ad-hoc Work Plan is managed and reviewed
- Review current items on the Ad-Hoc Work Plan
- Agree whether any new items need to be added as a result of today's discussions

Suggested Approach going forwards



 - Review progress on current prioritised work items
- Add any new items to Adhoc Work Plan

 - Review outstanding work items
- Agree priorities for next Autumn / Winter period

Key:	- Annual Demand Modelling	- Algorithm Performance
	- Production of Derived Factors	- Standard / Ad-hoc work items

July 2017 Ad-hoc Work Plan Agreement

- A reminder of the agreement from 26th July 2017 meeting, where DESC approved the following for the Autumn / Winter work schedule:
- Standard Work Plan Items
 - Algorithm Performance for Gas Year 2016/17
 - Spring Approach 2018 (preparations for Gas Year 2018/19)
 - Start to work on plans for Seasonal Normal Review 2020
- Ad-hoc Work Plan Items
 - Following UK Link replacement, continue to support industry discussions - specifically around the ongoing monitoring / simulation of UiG levels
 - Establish process for Algorithm Performance measures for 'new world' algorithm
 - Work on upgrades to modelling processes / systems which develop Demand Estimation deliverables

Ad-hoc Work Plan Items

- The next 2 slides cover the work items that (i) have been raised as a potential area to investigate but as yet have not been identified as a priority and (ii) items currently being worked on following DESC review last July
- All “Completed” items since the Ad-hoc Work Plan was established are provided as an Appendix at the end of the presentation

Adhoc Work Plan Items

Source	Description	Status
TWG 20/04/12	Consider the application of weather correction to WAR Bands	Awaiting Prioritisation
TWG 25/06/14	Xoserve to review day of the week demand behaviours, particularly whether the modelling of Monday to Thursday demands together is still valid (Ref: E.Ons 14/15 rep – qry 1)	Awaiting Prioritisation
TWG 25/06/14	All parties to suggest different ways that the EUC banding might be split, based on consumption levels or customer attributes, this was a post UKL replacement consideration (DE0202)	Awaiting Prioritisation

Adhoc Work Plan Items

Source	Description	Status
XOS 13/07/16	Support to UK Link replacement, including ongoing simulation of UiG levels	Ongoing
XOS 13/07/16	Establish process for Algorithm Performance measures for 'new world' algorithm	Ongoing (Strands 1 to 3 presented)
XOS 13/07/16	Update to modelling systems to accommodate new UK Link data structure (Spring 2018)	Ongoing
XOS 26/07/17	Continue work on improving current DE processes / systems	Ongoing

Conclusions

- Xoserve propose that end of July DESC meeting remains the most appropriate time to be setting the work schedule and agreeing priorities for the next Autumn / Winter period
- Xoserve propose that at all other DESC / TWG meetings the current list of outstanding items is provided allowing opportunity to review progress and decide if any new issues / topics should be added ?
- Any thoughts from DESC on above and how this process could be enhanced ?
- Possible new items to be added today following discussions around UiG and various UNC Modifications
 - Review appropriateness of EUC definitions for Bands 5 to 8 ?
 - Explore if other weather data items have a relationship to gas demand and if so how could they be incorporated to the CWV calculation ?

Appendix

Record of Completed TWG Adhoc Work Items

Adhoc work areas log

Source	Description	Status
<i>TWG 20/04/12</i>	<i>Review of appropriateness of current EUC definitions for Small and Large NDM</i>	<i>Completed - DESC TWG Meeting 15/01/2014</i>
<i>TWG 20/04/12</i>	<i>Investigate possibility of providing TWG with data during the Spring analysis WAR Band definitions review</i>	<i>Completed - Spring 2013 Analysis</i>
<i>TWG 15/08/12</i>	<i>Complete analysis and investigations into Options A,C and E in order to conclude views on final algorithm to take forward</i>	<i>Completed - DESC TWG Meeting 19/03/2013</i>
<i>TWG 15/08/12</i>	<i>'Maintenance work' on EUC modelling system / processes following first run through of annual cycle – including re-write of systems, updates to existing ones and documentation updates</i>	<i>Completed - Winter 12/13</i>
<i>TWG 15/08/12</i>	<i>Prepare for impacts of weather station change at Hulme Library impacting NW and WN LDZs</i>	<i>Completed - DESC Meeting 08/10/2013</i>

Adhoc work areas log

Source	Description	Status
TWG Dec'12	<i>Analysis to understand relationship between Birmingham Edgbaston and Winterbourne following announcement of Edgbaston closure</i>	<i>Completed - DESC TWG Meeting 28/01/2013</i>
TWG 24/04/13	<i>Review current LDZ aggregations used for EUC modelling and agree any potential new groupings. Followed by system updates and testing</i>	<i>Completed - DESC TWG Meeting 27/11/2013</i>
TWG 20/04/12	<i>Review of 'spike' validation rules applied to sample data during Spring (and Autumn) analysis</i>	<i>Completed - DESC TWG Meeting 12/02/2014</i>
XOS 15/05/13	<i>Windows 7 and Microsoft Office 2010 upgrades</i>	<i>Completed - Winter 14/15</i>

Adhoc work areas log

Source	Description	Status
<i>DESC 30/07/14</i>	<i>TWG to explore options for measuring Algorithm Performance in the Post UK Link replacement world.</i>	<i>Completed - DESC TWG Meeting 16/09/2015</i>
<i>TWG 27/04/15</i>	<i>TWG proposed that list of data aggregations for modelling should be reviewed in advance of Spring analysis to see what might be preferred/substituted</i>	<i>Completed - DESC TWG Meeting 17/11/2015</i>
<i>DESC 21/05/14</i>	<i>DESC and Xoserve to work together to establish a process of using Shipper consumption data to boost data available to modelling. Target Date October 2014 to assist Algorithm performance</i>	<i>Completed - DESC TWG Meeting 17/11/2015</i>
<i>XOS 06/07/15</i>	<i>Review of contents of NDM Booklet and modelling supporting files</i>	<i>Completed - Summer 2016</i>

Adhoc work areas log

Source	Description	Status
<i>DESC 13/11/13</i>	<i>Perform another review of Model Smoothing methodology in Autumn 2014 (following results presented in Autumn 2013)</i>	<i>Superseded. DESC agreed not to do this in 2014</i>
<i>TWG 23/05/12</i>	<i>Further consideration given to parameters / tests used for defining Warm Weather Cut off models</i>	<i>Completed - DESC Meeting 15/02/2017</i>
<i>TWG 26/06/13</i>	<i>Review actual sample consumption versus summer profiles in order to try and improve allocation process during summer months (linked to above)</i>	<i>Completed - DESC Meeting 15/02/2017</i>