

UNC Demand Estimation Sub-committee Technical Workgroup Minutes

Wednesday 12 February 2014

Consort House, 6 Homer Road, Solihull B91 3QQ

Attendees

Les Jenkins (Chair)	(LJ)	Joint Office
Mike Berrisford (Secretary)	(MB)	Joint Office
Christian Ivaha	(CI)	British Gas
Fiona Cottam	(FC)	Xoserve
Joseph Lloyd	(JL)	Xoserve
Mandeep Pangli	(MPa)	Xoserve
Mark Perry	(MP)	Xoserve
Martin Attwood	(MA)	Xoserve
Mo Rezvani*	(MR)	SSE
Sallyann Blackett	(SB)	E.ON UK

*via teleconference

Copies of papers are available at: www.gasgovernance.co.uk/DESC/120214

1. Introduction

The meeting was declared quorate.

1.1. Apologies for absence

J Hanks (EDF Energy), M Jenks (RWE npower), P Rowland (E.ON), R Pomroy (Wales & West Utilities), C Thomson (Scotia Gas Networks) and C Warner (National Grid Distribution).

1.2. Note of Alternates

FC (Xoserve) for C Thomson (Scotia Gas Networks), R Pomroy (Wales & West Utilities) and C Warner (National Grid Distribution).

2. Status Review

2.1. Minutes

The minutes from the previous Technical Workgroup (15 January 2014) were approved.

2.2. Actions

DTW1102 (revised): a) Xoserve to provide a workplan with timelines to include an investigation. **Complete**

b) Xoserve to provide a view on how long it would take to fill the gaps in historical weather data, and by when.

Update: MP explained that this would be 'covered' under the review of the 'Action DTW1102' presentation which would follow on naturally from the 'CWV Optimisation' presentation under item 3.0 below. **Carried Forward**

DTW1103 (revised): Shippers to look at the data gaps and consider a gap filling interpretation methodology (i.e. define how to work out an expected value for each weather variable and provide analysis to see how it might fit/perform) and how it is to be applied.

Update: During a brief discussion, SB advised that whilst she had no analysis as such to fall back on, the general (industry) view would suggest averaging out the data from 1980 onwards, as utilising whole years should provide the expected values.

MR advised that he had also tried a rolling regression style of approach that seemed to provide sound data – it is simply a question of how complex the TWG are seeking the solution to be on this matter. When asked, he agreed to provide a copy of SSE's methodology to Xoserve for them to consider.

FC suggested that the goal should be to develop a simple approach that would be easy to automate, especially for 'gap' filling purposes.

Closing, SB agreed to provide a worked up example of E.ON's proposal to Xoserve asap.

Carried Forward

DTW0101: *Spring Approach Document* - All to review the revised document and provide feedback for discussion at the next DESC meeting on 12 February 2014.

Update: MP advised that responses from parties had been provided on the 'Spring 2014 NDM Analysis – Proposed Approach' document published on the Joint Office web site for this meeting. **Closed**

3. CWV Optimisation

3.1. Background

Opening the presentation, MP outlined the background aspects and explained that Xoserve are currently looking in more detail at the Composite Weather Variable Formula elements. FC also provided a brief explanation of the pseudo seasonal normal effective temperature – in essence this is tweaking the demand profile 'shoulder' shapes.

MR asked what 'W₀' stands for in the existing parameters table on slide 9, FC explained that this is there to prevent the formula from creating negative values for the wind chill element.

3.2 Approach to CWV Optimisation

Moving on, attention focused on the 'Scope of Review' slide and SB advised that as far as the impacts to CWV of proposed changes to the gas day arrangements bullet was concerned the Workgroup needs to consider whether they are 'comfortable' with the CWV's, especially the behavioural patterns associated with the overnight temperatures etc. SB undertook a new action to provide a copy of the E.ON overnight temperature behavioural pattern data to Xoserve.

FC went on to advise that for Project Nexus 'go-live' on 01 October 2015, Xoserve propose using the current CWV framework and reviewing thereafter.

In considering whether or not there is any benefit in removing the higher value V₂ figures from the data, on the grounds that it is highly unlikely we would ever hit these, JL suggested that this would be teased out as part of the review exercise.

When asked whether it might be possible to have a form of 'cut-off' value that sits between V₀ and V₁, FC indicated that this might not be feasible as Xoserve only look at the aggregate data, especially when also bearing in mind that from an Xoserve perspective, the only 'true' data is NDM demand related.

In considering slide 14 – '2014 Timeline – CWV Optimisation', MP indicated that the trial LDZs related document would be issued within the next few days seeking responses during the following week.

Moving on to examine the 'Data Issues' slide, FC suggested that the weighting issue would need to be revisited once the outcome of the gas day changes are fully known. She

then went on to advise that National Grid NTS have trawled through the UNC to identify the key time points under the auspices of the 0461 Workgroup. LJ advised that a new UNC (EU) Modification is expected to be submitted to the March 2014 Panel looking at introducing an additional 12:00 (midday) NDMA run as required by the CAM Code.

In considering the lack of meaningful data for Rostherne from October 2012 to October 2013, it was felt that using real data would be preferable to interpolating – FC suggested that Xoserve might be able to ‘back calculate’ the data into the system. In respect of all the items the TWG are being asked to provide a view on, the consensus was to fully endorse the suggested approaches.

Moving on to consider the ‘Questions for TWG’ slide, it was suggested that as far as the two options are concerned, further comments would be beneficial. Thereafter, the Workgroup approved the proposed requests.

In considering the ‘Trial LDZs’ slide, the Workgroup again agreed that the four proposed geographical location were acceptable.

It was also agreed to use the Aggregate NDM demand adjusted to reflect known significant measurement errors from Gas Year 2006/07 onwards.

Action DTW 0201: E.ON (SB) to provide a copy of the E.ON overnight temperature behavioural pattern data to Xoserve for their consideration.

3.3 Next Steps

During a brief discussion around the next steps, FC indicated that Xoserve would now update the document to reflect today’s discussions and agreements and a new action was placed on the Technical Workgroup members to review the document and provide feedback, and answers to outstanding questions (if any remain), within 1 week of the publication date of the document.

Action DTW 0202: Technical Workgroup members to review the document and provide feedback, and answers to outstanding questions (if any remain), within 1 week of the publication date of the document.

4. Spike Validation Analysis (AMR sites)

MPa provided a brief overview of the presentation, with the majority of the discussion centred around the ‘Analysis of those sites that failed validation cont.....’ slide.

In examining the April 2012 peak, SB suggested that this might be better to let this through validation as it looks to be a genuine spike, rather than an error. However, MPa wondered whether or not it suggests that perhaps it would be better to move April into the winter window period – Xoserve will look at additional data logger information before making a decision.

4. Any Other Business

None.

5. Diary Planning

It was agreed to include an additional DESC TWG meeting alongside the existing DESC meeting scheduled to take place on Tuesday 25 March and to change the meeting to a face-to-face meeting.

Meetings will take place as follows:

DESC and DESC Technical Workgroup Meetings 2014

Time / Date	Venue	Meeting	Programme
10:30 Tuesday 25	Solihull – <i>venue tbc</i>	DESC & DESC	Climate Change Methodology Document – Sign off and TWG Optimisation

March 2014		TWG	consideration.
10:30 Monday 28 April 2014	Teleconference	DESC TWG	Confirm modelling runs
10:30 Wednesday 21 May 2014	Solihull – <i>venue tbc</i>	DESC TWG	Review modelling results and approve commencement of model smoothing stage
10:30 Wednesday 25 June 2014	Teleconference	DESC TWG	Review responses to draft NDM proposals and agree key messages for DESC
10:30 Wednesday 09 July 2014	Solihull – <i>venue tbc</i>	DESC	Review and approval of 2014/15 NDM Algorithms
10:30 Wednesday 30 July 2014	Teleconference	DESC	Review representations (if any) and consider response
10:30 Wednesday 12 November 2014	Energy Networks Association (ENA), 6 th Floor, Dean Bradley House, 52 Horseferry Road, London SW1P 2AF	DESC	Evaluation of Algorithm Performance: Strand 1 – SF and WCF

Action Table: Demand Estimation Sub-committee – Technical Workgroup

Action Ref	Meeting Date(s)	Minute Ref	Action	Owner	Status Update
DTW1102	27/11/13	3.1	a) Xoserve to provide a workplan with timelines to include an investigation	Xoserve (FC/JL)	Complete
Revised	15/01/14		b) <u>Xoserve to provide a view on how long it would take to fill the gaps in historical weather data, and by when.</u>	Xoserve (FC/JL)	Carried forward
DTW1103	27/11/13	3.1	Shippers to look at the data gaps and consider a gap filling interpolation methodology (<u>ie define how to work out an expected value for each weather variable and provide analysis to see how it might fit/perform) and how it is to be applied.</u>	Shippers	Carried forward
DTW0101	15/01/14	3.4	<i>Spring Approach Document</i> - All to review the revised document and provide feedback for discussion at the next DESC meeting on 12 February 2014.	ALL	Closed

Action Ref	Meeting Date(s)	Minute Ref	Action	Owner	Status Update
DTW0201	12/02/14	3.2	To provide a copy of the E.ON overnight temperature behavioural pattern data to Xoserve for their consideration.	E.ON UK (SB)	Pending
DTW0202	12/02/14	3.3	To review the (CWV Optimisation) document and provide feedback, and answers to outstanding questions (if any remain), within 1 week of the publication date of the document.	DESC TWG members	Pending