

UNC Demand Estimation Sub-committee Technical Workgroup Minutes

Wednesday 30 July 2014
31 Homer Road, Solihull B91 3LT

Attendees

Bob Fletcher (Chair)	(BF)	Joint Office
Lorna Dupont (Secretary)	(LD)	Joint Office
Ceirán Sheehan	(CS)	Total Gas & Power
Christian Ivaha	(CI)	British Gas
Fiona Cottam	(FC)	Xoserve
Ian Hollington	(IH)	Joint Office
James Hanks	(JH)	EDF Energy
Joseph Lloyd	(JL)	Xoserve
Mandeep Pangli	(MPa)	Xoserve
Mark Perry	(MPe)	Xoserve
Rob Nickerson	(RN)	National Grid NTS
Sallyann Blackett	(SB)	E.ON

Copies of papers are available at: <http://www.gasgovernance.co.uk/DESC/300714>

1. Introduction

1.1. Apologies for absence

R Pomroy (Wales & West Utilities).

1.2. Note of Alternates

None.

2. Status Review

2.1. Minutes

The minutes from the previous Technical Workgroup (25 June 2014) were approved.

2.2. Action

DTW0601: Draft NDM Proposals – Query 1 (E.ON Comments) - Xoserve to add review of Monday to Thursday demand behaviours on the TWG ad hoc work plan log.

Update: Completed. **Closed**

3. CWV Optimisation – Preliminary results

JL gave a verbal update on the key activities undertaken. Work had begun on infilling the gaps in the Weather Station Substitution Methodology (WSSM) datasets using the methodology created by E.ON. Xoserve had liaised with E.ON to clarify some details. Trial LDZs had been selected: SC, NE, SW and WM. Gap filling of the data has commenced on NE. Optimisation has been started and is being validated simultaneously. Not much difference to current parameters has been noted so far. JL gave some examples and a brief discussion ensued. Analysis is continuing and results will be available for presentation at the meeting on 18 August 2014. Parties may be contacted in the interim with some example information for preliminary review.

Rostherne No.2 Weather Station

In relation to CWV Optimisation, JL wanted to raise Rostherne No.2 weather station as a topic for discussion. JL outlined the background to the replacement. When Hulme Library closed in October 2013, a bias adjustment was applied to Rostherne No.2 in order to replicate Hulme Library data (as the current CWV parameters were derived from Hulme Library observations). JL wanted to confirm with DESC that, from 01 October 2015, NW and WN would use pure Rostherne No.2 observations; this was agreed by DESC. In terms of CWV optimisation JL pointed out that there are some data gaps. For the intervening period since Hulme Library closed Xoserve will back out all the bias adjustments. This was discussed. It was recognised there was a gap (October 2012) in the data and this was considered and agreed in the CWV Optimisation Approach document. JL referred to a further gap, ie 16 July 2013 – 27 October 2013 that needed addressing. SB believed that she might be able to provide some data to assist in filling this.

Action DTW0701: CWV Optimisation (Rostherne No.2 Weather Station – Data Gap filling) - SB to consider if the information can be provided and report back.

4. Seasonal Normal Review – Use of CCM increments

MPE gave a presentation, outlining the background and giving an overview of the project deliverables, confirming that the focus of today's discussions was to be 'Step 1: Identify [X] period and average increment values'.

The timeline was displayed and MPE explained the activities that needed to be done across each Quarter. Quarter 3 objectives were considered. It was questioned whether the Seasonal Normal Composite Weather Variable (SNCWV) will be calculated using history no later than 30 September 2012; this was discussed. SB commented that this only matters if it is thought that the data in the interim will behave very differently or be very extreme; CI agreed with this. DESC were therefore satisfied that the SNCWV would be calculated using an adjusted data series no later than 30 September 2012.

FC observed that once data was smoothed it could not be reversed; this was noted.

MPE stressed that the 'Projections' will not be used in the calculation of the SNCWV, however they will be used to help determine which period should be used when applying the increment values.

A series of graphs were presented giving the individual results for the LDZs used in the trial analysis. These were reviewed and discussed. Concerns were expressed regarding the results for 2019, which looked 'odd' – was it a freak year? How did it compare to 2020? How does it fit in the wider context? It was suggested that the surrounding 6 years should be looked at to provide context and a more confident view.

FC highlighted that the graph represented daily "gas weighted" average temperatures which were then averaged for each year – was this the right measure to look at? This was discussed. It could be argued it was making it too warm, but this would need to be justified with supporting evidence, i.e. if 2020 looks like 2019, or not, or over 6 years (3 + 3 either side would be more comfortable) to give a better view.

The year 2019 provoked similar comments in respect of each of the results. SB observed that 2017 and 2019 should not be used for increments.

It was concluded that the analysis so far did not provide sufficient information to select a period for averaging the increments. SB asked if the same consistent approach should be adopted across all the LDZs. FC suggested a rule was required that works moderately well for all LDZs.

It may be that 3,4 or 5 years of DESC's choosing might be used to reach an average. JH liked the idea of reviewing 3 years either side of the 5 years already analysed. MPE confirmed that Projections were available from 2012. A wider trend and the trend of

the 5 averages may then be more representative, ie 2012/13 – 2022/23 will provide a better view (and compare today’s information to an 11 year average) for 4 LDZs and for winter (October – March) and summer (April – September).

Xoserve will produce some information/results for DESC to consider at the next meeting.

5. Any Other Business

None raised.

6. Diary Planning

Meetings will take place as follows:

DESC and DESC Technical Workgroup Meetings 2014

Time / Date	Venue	Meeting	Programme
10:30 Monday 18 August 2014	31 Homer Road, Solihull B91 3LT	DESC	CWV Optimisation update Seasonal Normal Review – use of CCM increments
10:30 Monday 22 September 2014	31 Homer Road, Solihull B91 3LT	DESC	<i>To be confirmed</i>
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
DTW0601	25/06/14	3.0	<i>Draft NDM Proposals – Query 1 (E.ON Comments)</i> - Xoserve to add review of Monday to Thursday demand behaviours on the TWG ad hoc work plan log.	Xoserve (FC)	Closed
DTW0701	30/07/14	3.0	<i>CWV Optimisation (Rostherne No.2 Weather Station – Data Gap filling)</i> - SB to consider if the information can be provided and report back.	E.ON (SB)	Pending