Demand Estimation Sub-Committee

Algorithm Performance Proposals

7th November 2012

Background

- ## Algorithm Performance Analysis Proposal:

    – At the meeting on 3rd October 2012, TWG considered the current work priorities and recommend that the 3 strands of Algorithm Performance Analysis be done only once a year in the autumn following completion of the gas year.

    – Results to be presented as currently, but also repeated in Appendix 13 of the NDM booklet.

Summary of **current** Algorithm Performance Analysis

Description	Output	Where & When
WCF SF Analysis: Various measures / checks of Scaling Factor and Weather Correction Factor performance at LDZ level over days of the week, seasons and months with additional commentary to provide context.	Analysis of last completed gas year and upto end of May in current gas year	Appendix 13 – June
	Analysis of recently completed gas year – summary document and presentation produced	DESC – November meeting
Reconciliation Variance (RV) Analysis: Monitor of differences between measured consumption (based on pair of reads) and deemed consumption (given by the algorithm). Results provide some insight to profile shape at EUC level.	Analysis of last completed gas year and upto end of April in current gas year	Appendix 13 – June
	Analysis of recently completed gas year – summary document and presentation produced	DESC – February meeting
NDM Sample Data Analysis: Performance of NDM Profiling algorithm is evaluated by comparing daily demands from sample points with estimates of their daily demands (as per the NDM algorithm). 2 Models evaluated - "As-Used" and "Best Estimate".	Analysis of 12 month period from April upto end of March in current gas year	Appendix 13 – June
	Analysis of recently completed gas year – summary document and presentation produced	DESC – February meeting

Summary of **recommended** Algorithm Performance Analysis

Description	Output	Where & When
WCF SF Analysis: Various measures / checks of Scaling Factor and Weather Correction Factor performance at LDZ level over days of the week, seasons and months with additional commentary to provide context.	Analysis of recently completed gas year – summary document and presentation produced	• DESC – November meeting • Appendix 13 - June
Reconciliation Variance (RV) Analysis: Monitor of differences between measured consumption (based on pair of reads) and deemed consumption (given by the algorithm). Results provide some insight to profile shape at EUC level.	Analysis of recently completed gas year – summary document and presentation produced	• DESC – February meeting • Appendix 13 - June
NDM Sample Data Analysis: Performance of NDM Profiling algorithm is evaluated by comparing daily demands from sample points with estimates of their daily demands (as per the NDM algorithm). 2 Models evaluated - "As-Used" and "Best Estimate".	Analysis of recently completed gas year – summary document and presentation produced	• DESC – February meeting • Appendix 13 - June