

TWG Action: “DTW0803 – Review of appropriateness of current EUC definitions for Small and Large NDMs – Consider different approaches and submit suggestions / preferences to Xoserve by 31 August 2012” – Note: Deadline extended to 20th November 2012 due to lack of response.

Response received from E.On : 11th October 2012

We have had a few discussions on the EUC analysis that would have to be done and have come up with a couple of suggestions.

We have assumed that you would be trying to group sites in bands that reflect reasonably similar behaviour in sensitivity to weather, day of week shape and winter to summer proportions using something akin to AQ as the division (as any other indicators are limited in availability or accuracy).

Our assumption is that you will use the NDM sample for the analysis as this provides daily level demand information.

As we know you have SAS our first thought was trying some basic analysis using JMP as this is good at grouping and visualising. It may provide some initial views.

Secondly we thought that applying stratification type analysis to look at minimising variances by adjusting boundaries to generate the lowest stratum variance per group may work. You may need to use some sort of linear programming to do this optimally but I suspect that a trial and error adjustment may also work. You would be looking to calculate mean and standard deviation/variance of consumption across each group and minimise the variance of actual from the mean for each group.

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