



Actions from Technical Forum on 4th June 2010

Action: TF0601 – 1 of 2

- Action: xoserve to consider whether details of any exclusions from the modelling, together with reasons for such decisions are able to be published
- This action was raised following comments regarding clarification of the Spring approach document where a “pragmatic approach would be used when dealing with weekend factors for 01B models”
- For additive model weekend factors for EUC 01B, we set to zero any additive model weekend factors that are negative *and* not statistically significantly different from zero.
- During the 2010 modelling a total of 11 holiday factors were set to zero
 - Out of a total of 117 Friday, Saturday and Sunday factors (13 LDZs, x 3 years x 3 weekend days)
- This is the only instance where intervention is necessary during the modelling process

Action: TF0601 – 2 of 2

- Details of the 11 EUC models where interventions were necessary are provided below:
- Friday factors negative and set to zero for:
 - 2008 single year 01B model for NT and SO LDZs
 - 2009 single year 01B model for WS, NT, SE and SO LDZs
 - 2010 single year 01B model for NT and SE LDZs
- Saturday factors negative and set to zero for:
 - 2010 single year 01B model for WS and SW LDZs
- Sunday factors negative and set to zero for:
 - 2010 single year 01B model for WS LDZ
- In all cases the regression coefficients were not significant
- This approach is in line with all previous years and supports the observed scaling factors effect seen over weekend days

Action: TF0602 – 1 of 1

- Action: xoserve to check if historical analysis was available showing how much of an improvement was made by not applying warm weather cut offs for EUC Bands 1 and 2 and report to DESC
- A presentation was made at DESC on 17th December 2003 and the approach of not applying cut-offs to bands 01B and 02B was adopted from the spring 2004 NDM analysis (i.e. applied first to gas year 2004/05).
- Presentation has been retrieved and published on Joint Office website – [TF0602_EUC Bands 1 and 2 SF Volatility.pdf](#)
- Note: Cut-offs can be removed for all EUCs, but for WAR band EUCs with cut-offs, there will be instances of negative demands and therefore negative ALPs unless a rule such as “ALPs are not allowed to go below 1% of max ALP” is applied. Since ALPs have to also add up to 365, applying this will affect ALPs in all of the other days of the year as well.
- Applying the no cut-offs rule to all EUCs will not have much further improving effect since, the incremental extent of aggregate NDM EUC load affected will be small.
 - Bands 01B and 02B make up 80% of NDM load, of the remaining 20% only those EUCs with cut-offs now will result in an effect if cut-offs are removed.
 - Based on April 2010 AQs (old seasonal normal basis), and the cut-offs that will apply to EUCs in 2010/11, 5.2% of total NDM load (in AQ terms) will be further affected if no cut-offs rule is applied universally.

Action: TF0603 – 1 of 1

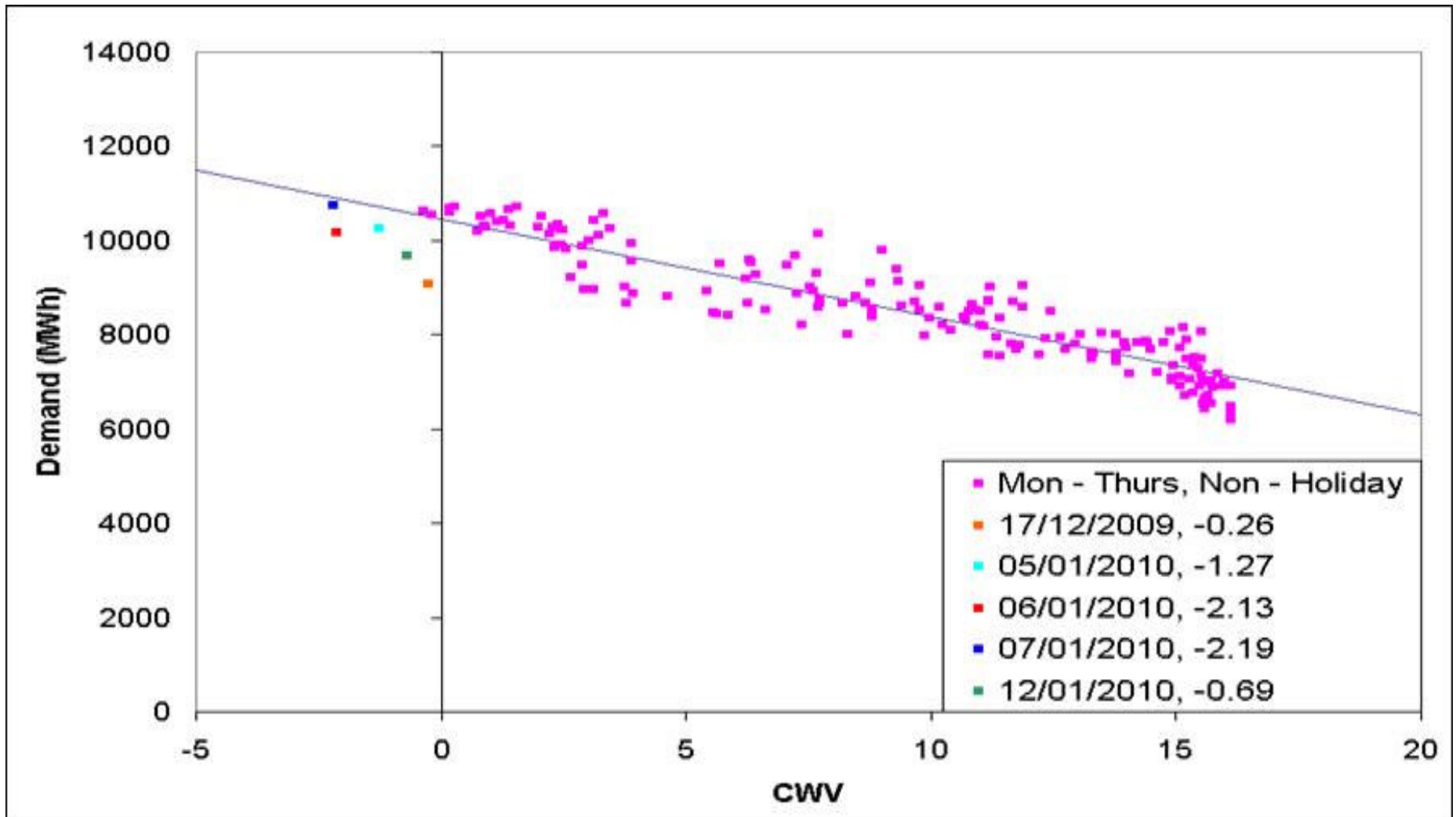
- Action: xoserve to advise Shippers of the contact names held/report recipient names to enable follow up of any equipment disconnection issues that may be contributing to loss of data
- Emails issued to all DESC contacts on 1st July 2010 advising of Demand Estimation shipper sample report contacts
- xoserve welcome any requests to add to or amend our contact list for your organisation in order to help reduce the number of sites where demand estimation equipment is lost.

Action: TF0604 – 1 of 2

- Action: xoserve to confirm actual dates/days affected by assumed 'snow effect' and report back to DESC
- Question raised at Tech Forum on Slide 49 regarding cold weather days – chart has been amended to clarify gas days (see next slide), plus commentary below as a reminder of weather conditions at the time (for NE):
 - 17/12/2009 - very cold, very windy in some parts, snow showers, gusting winds causing snow drifts
 - 05/01/2010, 06/01/2010, 07/01/2010 - period of very cold weather and widespread snow falls and snow remaining on the ground
 - 12/01/2010 - continuing cold, snow returning to some parts
- Slide relates to band 08B, this aggregation had 65 supply points. A few of these not taking gas or taking much less gas, on days of inclement weather would cause the effect in the sample data set. This is not a CWV definition issue.
- Note: For those shippers who hold the sample data, then these data points and other example slides used at the TF, can be checked for yourselves if you wish

Action: TF0604 – 2 of 2

Demand Against CWV, Monday to Thursday, Non-Holiday
NE/EM/WM LDZ Group, 29300-58600 MWh pa, Consumption Band, NE CWV



Action: TF0605 – 1 of 1

- Action: xoserve to consider for next years DETF whether additional model parameters could be made available – such as coefficients, standard errors and T-statistics
- Technical Forum is required to determine the small NDM EUCs to be used in the following gas year and to assess whether the proposed sample aggregations from the Spring analysis are acceptable
- Measures used to assess these decisions are:
 - R^2 values and sample sizes used to assess whether aggregations are acceptable
 - ILF values and RMSE analysis used to determine the small NDM EUCs for the following gas year
- Once aggregations and small NDM EUCs are confirmed at the T.F, the final model smoothing is carried out which produces the various files of statistical parameters such as the coefficient and standard errors. (Note that t statistics can be calculated from coefficients and standard errors)
- It will be possible next year to include these values within the 'Early Preview publication' which this year was around 2-3 weeks earlier than UNC requirement
 - File names: MDLPARyy.pdf, EUCHOLyy.txt, EUCPARyy.txt, EUCWKyy.txt