



Action DE1060

Methodology used for Upper warm weather cut off
value

DESC 11th May 2009

Action DE1060: Methodology used for V2's

- DESC ACTION:
xoserve to confirm methodology used relating to V2's (Upper warm weather cut off value)
- DESC meeting 31st March confirmed CWV methodology remains 'fit for purpose' with only updates required to CWV parameters
- ["Approach to Autumn 2009 CWV Review.pdf"](#) published on website explains high level approach to calculating revised parameters
 - Pseudo SNET
 - Cold weather upturn threshold
 - Warm weather cut off parameters (V1 , V2 and q)
- CWV parameters will be an optimised set providing the best fit on average to the full set of years on which the derivation is based (1996/97 to 2008/09).
 - Cold weather parameters derived from data back to 1981/82

Action DE1060: Methodology used for V2's

- Methodology used for deriving warm weather parameters:
 - Initial value of V2 is chosen – could be current CWV value or a value chosen by visual inspection of data
 - A range of further potential values are considered
 - Regression analysis carried out for potential values
 - Optimum value of V2 selected that gives highest adjusted R-squared value
- Summer 2006 experienced a prolonged spell of hot weather
 - A number of days where CWV reached its maximum and CW was above the warm weather cut-off value (V2)
 - Analysis of the Monday to Thursday (non-holiday) modelled demand concluded that no change to the methodology was required – see January 2007 DESC material
 - The modelled results for aggregate NDM demand on weekends or holidays are more reliant on weekend and holiday factors