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Mod 0451AV Draft PPM Profile (additional slides)

DESC 30th July 2014

Nature of the analysis

- Periodic prepayment consumption data has been provided by EON for LDZ SO for 3 gas years.
- We are advised that all meter points in this data set are operating in prepayment mode.
- The data was cleansed, validated and interpolated to daily data before creating a prepayment profile, which could be used in comparison to the proposed prepayment profile.

Analysis of data

- Gas year 2012/13 data was used for the analysis
- LDZ SO
- The data was subjected to the same analysis process as the data from the Xoserve NDM sample which is used to determine the NDM algorithms each year.
- After applying validation to the dataset provided – 392 sites were eligible to be used in the analysis

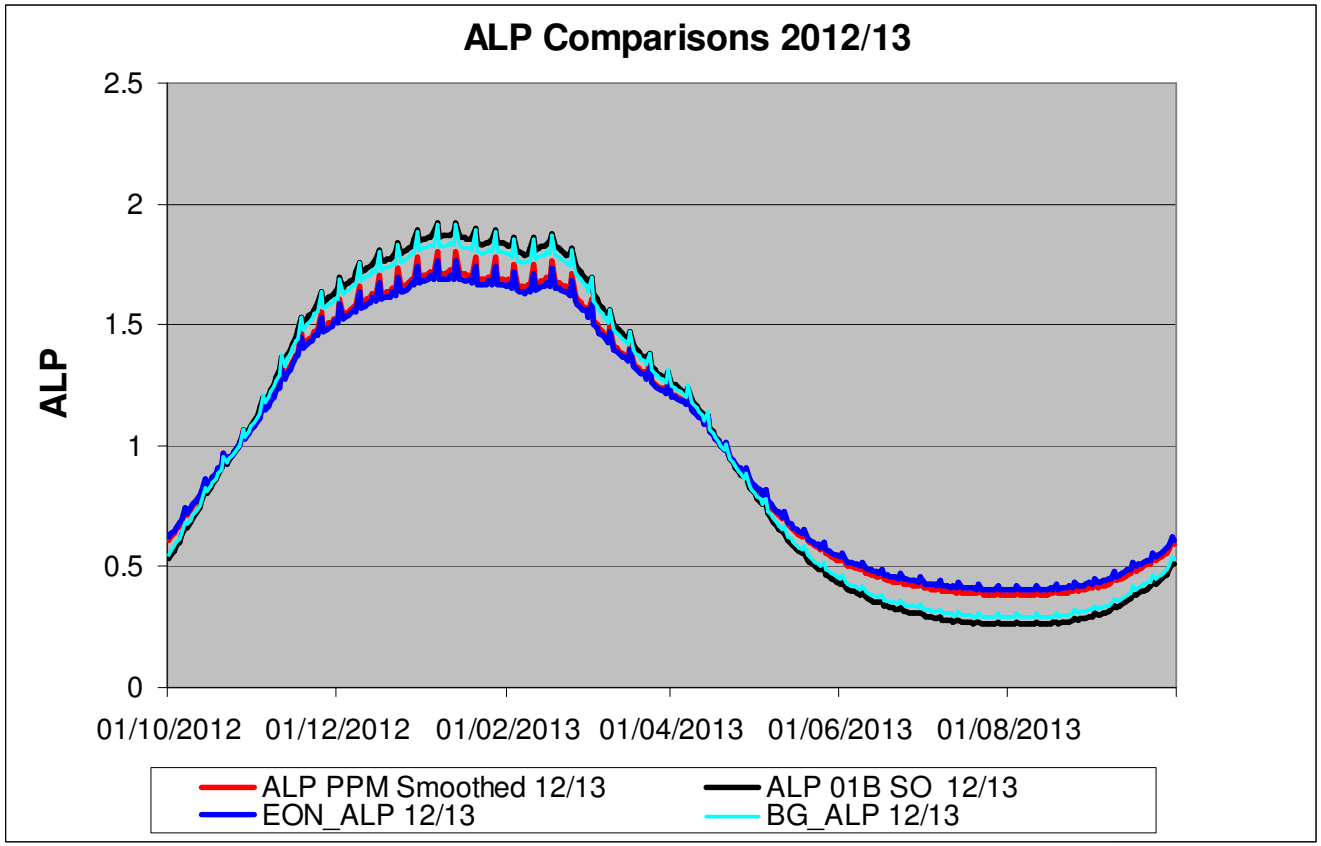
Data Cleansing and Validation Steps

- A filter was applied to the data so only LDZ SO data was used
- A filter was applied so any duplicate records were removed (where the MPRN, consumption date and consumption values were the same)
- Data that had a start and end date that was not in the relevant gas year were removed
- All CSEP sites were removed
- Consumption was converted from cubic meters to kwh with a correction factor applied to it. The energy value was rounded to the nearest whole number
- The prepayment profile WAALP was used to divide the consumption into a daily consumption value

Data Cleansing and Validation Steps cont…

- The data was then subjected to the same validation checks as the data from the Xoserve NDM sample
- 392 unique MPRNs passed all of the above validation checks
- The demand was aggregated by gas day for these sites and then regression analysis performed on the data
- The regression parameters were used to calculate an ALP

Results of Analysis



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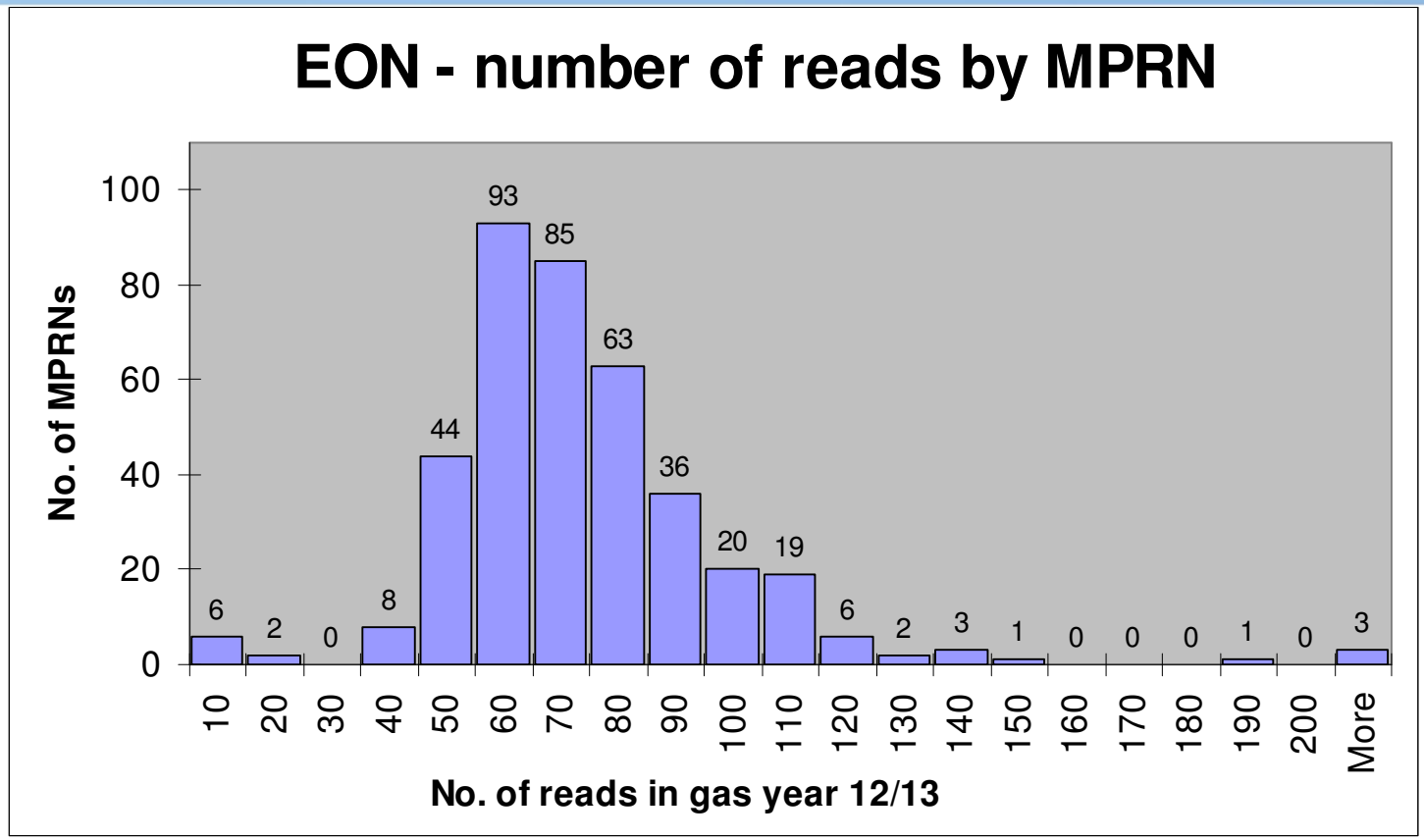
Frequency of meter reads



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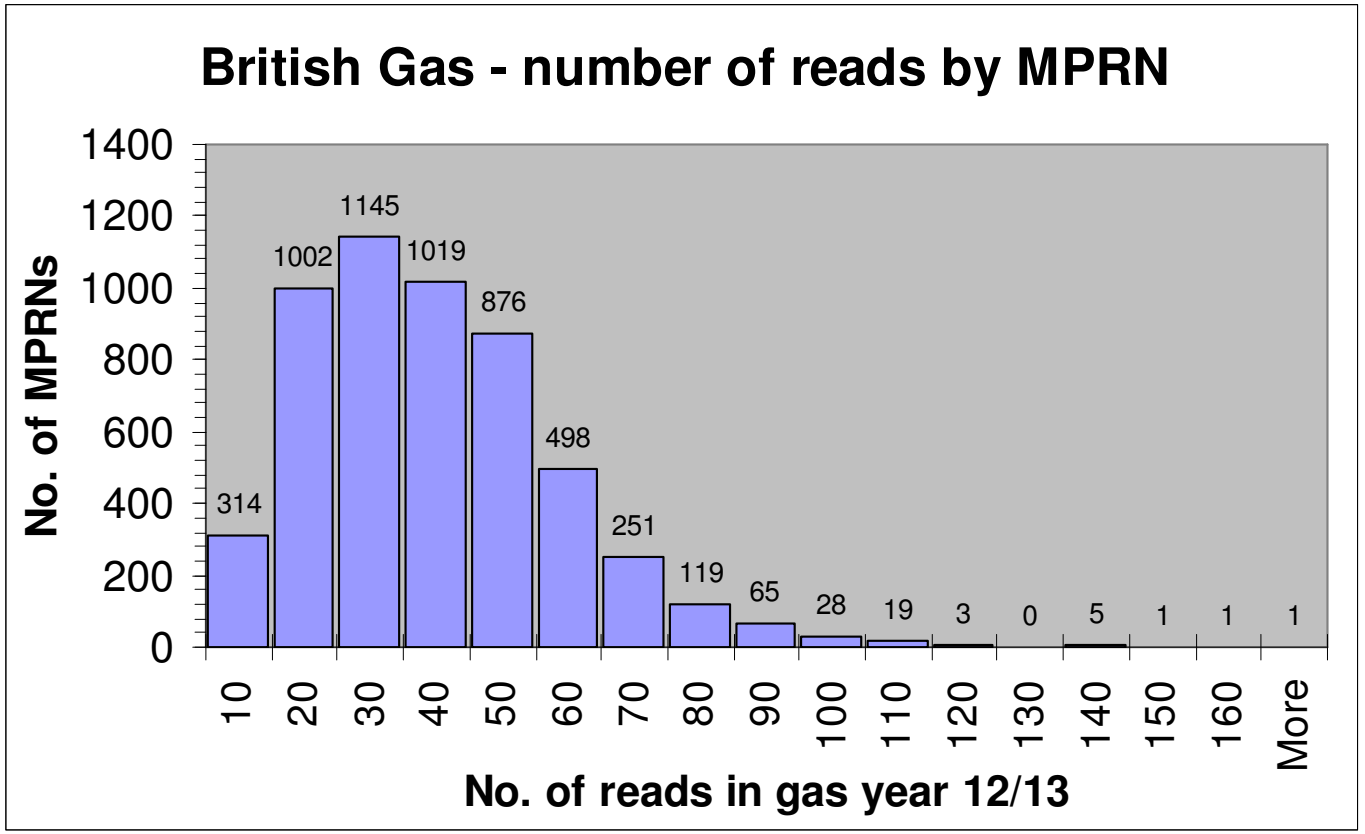

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