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# CWV Weather Impacts

Mod Review 31<sup>st</sup> July

***e.on***

# Weather Impacts on Demand

- There are a number of areas where we believe weather impacts are not fully recognised in the current methodology
- We are open to suggestions as to how this could be improved
  
- The following slides highlight a couple of examples, these are by no means definitive
- We have anecdotal evidence that conditions lead to volume change – both cold starts and ‘yuk’ factors

# Weather shape through the day

- Current CWV uses weightings to derive a daily CWV using temperature at points through the day
- Looking at similar CWV days and volume is limited in data (hard to find similar CWV days that match day of week and LDZ)
- As an example the chart on the following slide shows two consecutive days for EA LDZ in Jan 2016
- CWV is 2.2 for both days but temperature shape through the gas day differs (blue start = red end, red start = blue end)
- Cold start on the 19<sup>th</sup> with a warmer end of day
- Warm start on the 18<sup>th</sup> then cooling – so much colder night



# Days where CWV is not a good fit to demand

- Spikes in UIG can be caused by the allocation move not reacting fast enough to weather changes
- In some cases this can be due to CWV not incorporating non temperature elements
- BG provided some examples at DESC to support Solar and Rain impacts on volume levels
- Both these values are significant in our modelling suggesting they could be usefully incorporated into the weather element of allocation