



## **Demand Estimation Sub Committee**

### **4.0 Weather Station Review**

**22<sup>nd</sup> July 2020**

# Objective

- To review current list of Weather Stations used in Demand Estimation processes
- Discuss any issues DESC may be aware of in relation to their future use in the Demand Estimation process
- This task is done once every 12 months in order to anticipate any possible issues
- Reminder of Weather Stations used for Solar Radiation following the design and implementation of new CWV basis
- CDSP has contacted Met office for an up-to-date view which following slides reflect

# Gas Industry Weather Stations

Weather Station	LDZ	Network	Hourly Temperatures	Hourly Winspeeds	Hourly Solar Radiation	Latest Met Office Commentary (Provided 10/07/20)
Glasgow Bishopton	SC	Scotia Gas Networks	✓	✓	✓	-
Albemarle Barracks Durham Weather Station	NO	Northern Gas Networks	✓ -	✓ -	- ✓	-
Rostherne No 2	NW WN	Cadent Wales & West Utilities	✓	✓	✓	-
Nottingham Watnall	NE EM	Northern Gas Networks Cadent	✓	✓	✓	-
Birmingham Winterbourne 2 Coleshill	WM	Cadent	✓ -	- ✓	- ✓	-
St. Athan	WS	Wales & West Utilities	✓	✓	✓	-
London Heathrow	EA NT SE	Cadent Cadent Southern Gas Networks	✓	✓	✓	Discussions are ongoing to assess any potential impacts from a third runway
Southampton Oceanographic Institute	SO	Southern Gas Networks	✓	✓	✓	Located on the rooftop of the oceanography centre
Yeovilton Weather Station	SW	Wales & West Utilities	✓	✓	✓	A Defence site and therefore subject to decisions around closures as part of Defence Service review. Nothing is anticipated at this stage.

# Gas Industry Weather Stations

- From Gas Day 01<sup>st</sup> October 2020 onwards, LDZ SW will no longer be using bias adjustments for Yeovilton Weather station. Data will be sourced directly from Yeovilton to be used in the calculation of CWVs, as has been the process for the calculation of SNCWVs
- Although Precipitation currently does not form part of the CWV calculation, CDSP is receiving precipitation data in anticipation of future analysis.
- All weather stations currently have capability to record precipitation with the exception of Southampton Oceanographic Institute (LDZ SO). On advice of Xoserve's Weather Service Provider, 'Middle Wallop' is currently being used as an alternative.