

**Gas  
Transmission**

# **Margins Notice Mid-Winter Review**

**Transmission Workgroup  
6<sup>th</sup> February 2020**

**nationalgrid**

## Recap: LNG Methodology introduced by Mod 0698

$$LNG_d = \text{Min} \left[ ECWC_d, \frac{US_d}{2} \right]$$

*ECWC<sub>d</sub>* the expected cold weather capability for all LNG Importation Facilities for the Gas Flow Day

*US<sub>d</sub>* the aggregate usable stock at all LNG Importation Facilities for the Gas Flow Day

- When LNG stocks are high, this methodology ensures that a higher LNG figure contributes to the overall Non-Storage Supply (NSS) number and vice-versa
- Pre-mod 0698, the LNG number was a best view from National Grid and tended to remain constant during winter unless supply patterns changed

# Interconnector Methodology

- The 0669R workgroup also considered changing the contribution of interconnectors to the daily NSS figure using the correlation between interconnector flow and hub price differentials

*BBL Interconnector*

$$= \text{Min} \left( \text{Max BBL Technical Capability, Average Flow from last 2 Days} * \frac{D - 1 \text{ NBP:TTF Differential}}{\text{NBP:TTF Average Differential from last 2 Days}} \right)$$

*IUK Interconnector*

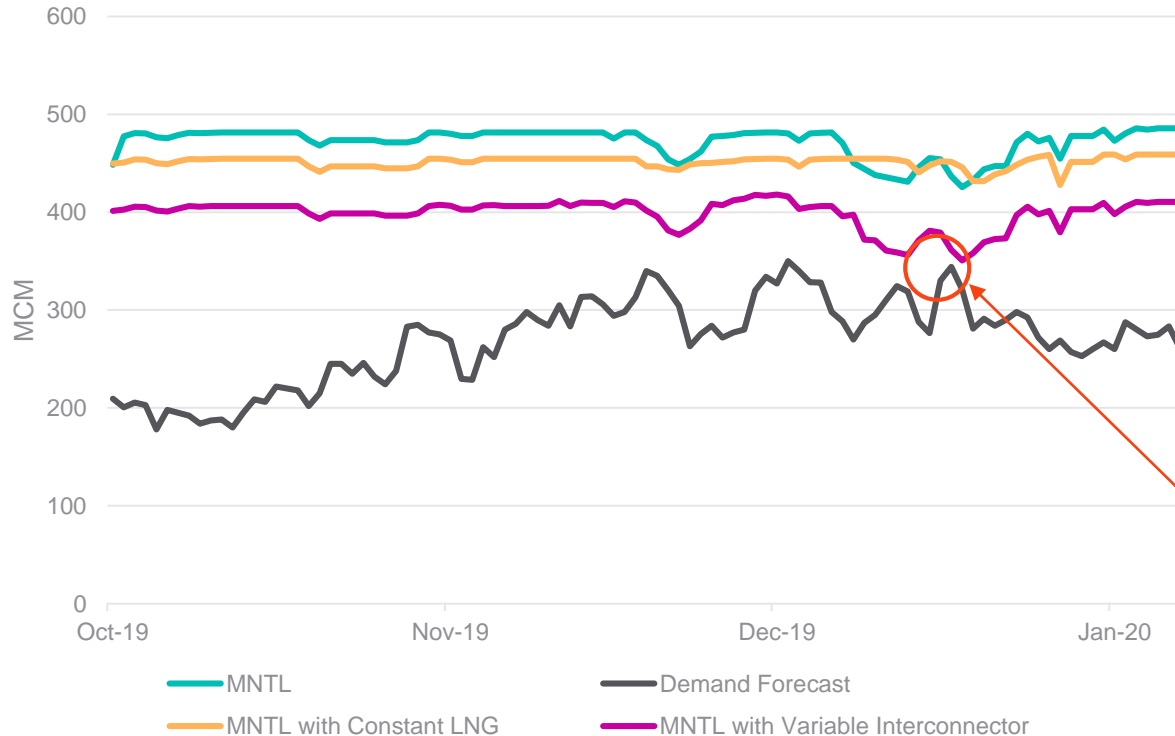
$$= \text{Min} \left( \text{Max IUK Technical Capability, Average Flow from last 2 Days} * \frac{D - 1 \text{ NBP:ZEE Differential}}{\text{NBP:ZEE Average Differential from last 2 Days}} \right)$$

- However, when this methodology was applied to previous winters, it would have triggered Margins Notices at demand levels below 300mcmd and therefore was not adopted into Mod 0698

# Monitoring During Winter 2019/20

- We committed to report back to Transmission Workgroup during and post winter 2019/20, to
  - Share how the new Margins Notice methodology is functioning
  - Review what effect the Interconnector methodology would have had
- The following graph shows for Oct 19 – Dec 19:
  - The D-1 demand forecast
  - The actual margins notice trigger level (MNTL) (including the LNG methodology change)
  - What MNTL would have been without the LNG methodology change
  - What MNTL would have been with the LNG methodology change and the revised IC methodology

# Margins Notice Mid-Winter Review



A notice that forecast demand had breached 95% of the MNTL would have triggered on 17/12/19 if the interconnector methodology had been introduced as well as the new LNG methodology

# Observations & Next Steps

- A mild winter to date; no Margins Notices have been issued
- High LNG entry flows have resulted in a higher MNTL than would have been the case without Mod 0698 for the majority of the period
- Interconnectors have exported as well as imported over the period and flows have been low (typically <10 mcmd). Therefore, had the interconnector methodology been in force, the MNTL would have been materially lower
- A notification that D-1 demand had exceeded 95% of the MNTL would have been issued on 17/12/19. The system began 17/12/19 short but was balanced by midday, with interconnectors not flowing
- We propose to report back to the Workgroup on the whole winter period in the Spring