



# UNC Workgroup 0866 Amendments to Gas DSR Arrangements

## Action 0201

07 March 2024



# DSR Mod 0866 – BR9 – Within Day Option

BR9: If Option Quantity – (Option Quantity / 24 \* lead-time (hours) < 100,000 kWh, then NGT shall exclude that offer from its assessment process

## Worked example 1

WAD: 300,000 kWh

DSR Reduced Quantity: 5,000 kWh

Option Quantity = 295,000 kWh

Offered lead-time: 3 hours

$$295,000 - (295,000 / 24 * 3)$$

$$295,000 - 36,875 = \underline{258,125 \text{ kWh}}$$

**258,125 > 100,000, therefore NGT would regard this as a valid offer and INCLUDE it within its assessment process**

# DSR Mod 0866 – BR9 – Within Day Option

BR9: If Option Quantity – (Option Quantity / 24 \* lead-time (hours)) < 100,000 kWh, then NGT shall exclude that offer from its assessment process

## Worked example 2

WAD: 110,000 kWh

DSR Reduced Quantity: 5,000 kWh

Option Quantity = 105,000 kWh

Offered lead-time: 3 hours

$$105,000 - (105,000 / 24 * 3)$$

$$105,000 - 13,125 = \underline{91,875 \text{ kWh}}$$

**91,875 < 100,000, therefore NGT would NOT regard this as a valid offer and would therefore EXCLUDE it from its assessment process**

# DSR Mod 0866 – BR11

## Determination of ‘starting point’ for exercise of Consumer DSR and D-5 Shipper DSR

Task: To determine whether the ‘starting point’ for demand reduction for Consumer DSR and D-5 Shipper DSR should remain as Winter Average Demand or change to the average daily demand for the previous 7 days

Our analysis was based on the following:

- **Data Period:** Winter 2022/23
- **Site Type:** Class 1 Sites
- **Sites in scope:** 509
- **Gas day:** 13<sup>th</sup> December 2022 (lowest temperature recorded during winter 2022/23)
- **Data considerations:**
  - Sites with a variance greater than 400% (due to turn on / turn off) were removed to prevent data becoming skewed
  - Does not account for any changes in behaviour over weekend and weekday
  - Unable to account for site type behaviours

# DSR Mod 0866 – BR11

## Determination of ‘starting point’ for exercise of Consumer DSR and D-5 Shipper DSR

### Results

The results of the analysis revealed that when compared to actual demand, the average difference for all sites was:

Previous 7-day average: **24.83%**

WAD: **36.32%**

### Conclusions:

- The dataset (albeit limited) shows the ‘previous 7-day average’ measure to have a slightly better correlation to actual demand than WAD
- We do not consider the difference to be sufficiently material to warrant an alternative approach