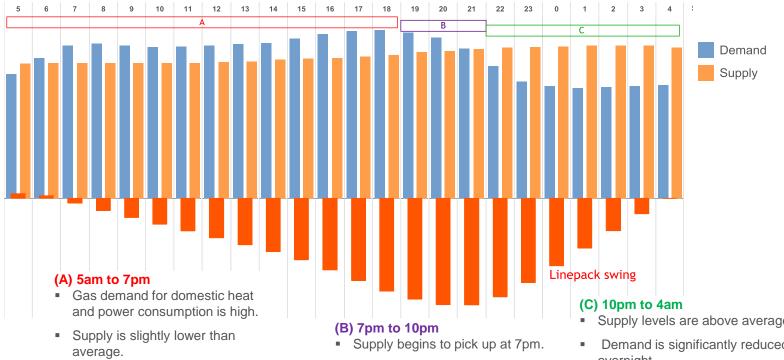


### Between 6am and 10pm, demand is high and supply is below average. This imbalance leads to a swing in linepack.



This reduces linepack.

Domestic demand declines.

This reduces the rate of linepack reduction.

Supply levels are above average.

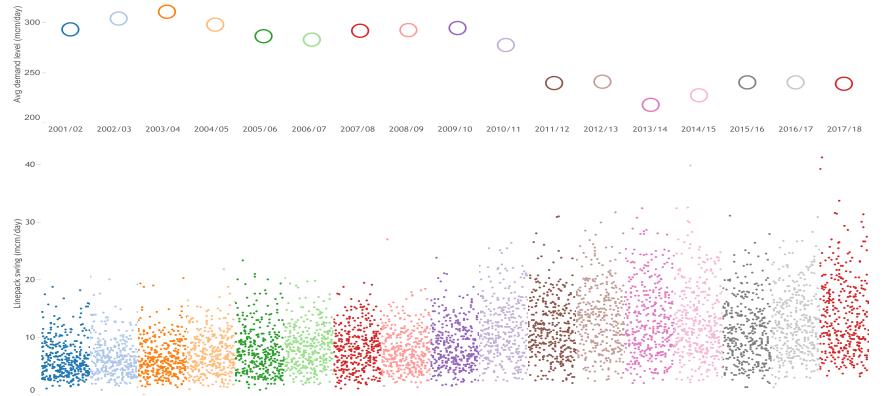
Demand is significantly reduced overnight.

This drives linepack replenishment.

2

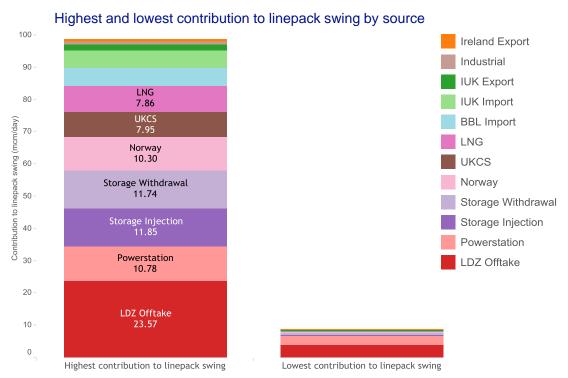
**National Grid** 

Over the last two decades linepack swing has increased despite gas demand decreasing. This shows we now accommodate much wider imbalances in supply and demand during a gas day.



## How gas is brought on or off the network is influenced by many factors. A source's contribution to linepack swing can therefore vary significantly.

How these contributions align determines the level of swing we see on a gas day.

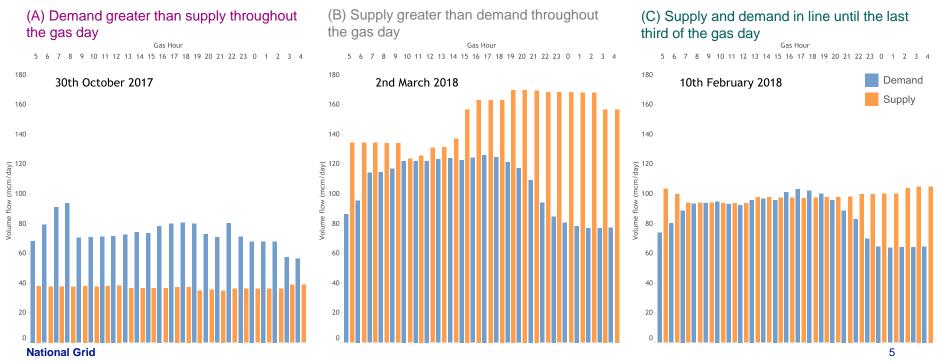


Data based on the highest 14 linepack swing days in 2017/18, where swing ranged from 21mcm/day to 41mcm/day

#### Regionally, we are seeing much greater variation in how gas is brought on and off the network.

Managing larger local imbalances in supply and demand requires more system management actions (whether physical or market), which in turn can impact your operations.

#### Examples of varying hourly supply/demand flows in the south east region (in 2017/18 winter)



# nationalgrid