

# Predicted Closing Linepack analysis

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# Data Published by National Grid.

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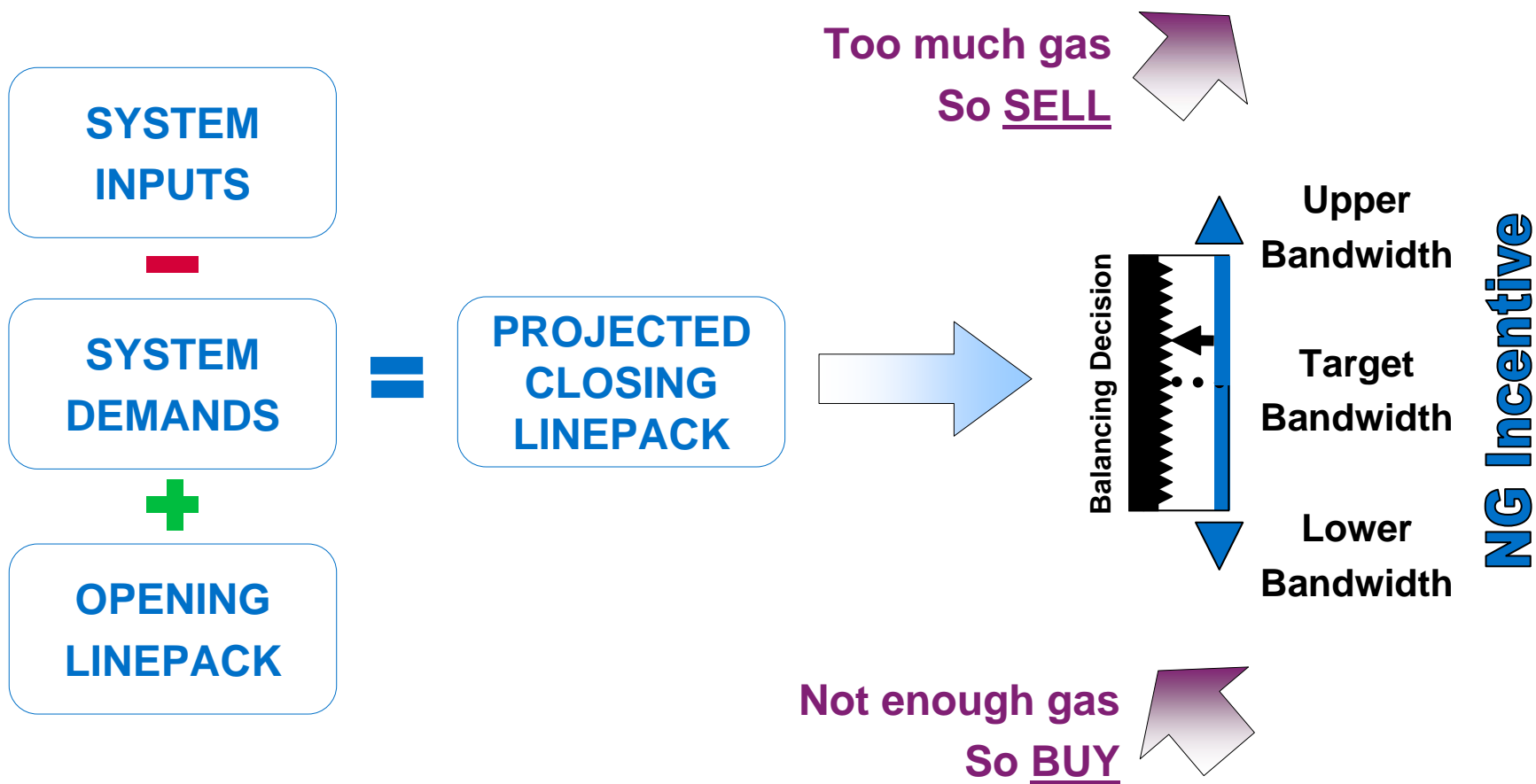
- ◆ Each hour NG publish on GEMINI and on the NG Website Opening Linepack, Demand, and PCLP.
- ◆ Opening Linepack is the total NTS linepack as at 06.00 hours, the start of the Gas Day
- ◆ System Inputs is the aggregate of all DFNs and SFNs.
- ◆ Demand is the total system demand made up of the LDZ demand + VLDMCs + Interconnectors + Storage Injection
- ◆  $PCLP1 = \text{System Inputs} - \text{System Demand} + \text{Opening Linepack}$

# Considerations when using PCLP data.

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- ◆ National Grid use the latest and most accurate information available to them at each hour to calculate PCLP.
- ◆ This may include for information provided by operators over the telephone before the nomination is amended. To reflect this an adjustment may be made for such information to include for example...
  - ◆ Supply Losses (eg;plant failure)
  - ◆ TFAs (eg: reduction due to Gas Quality or pressure constraint)

# Summary

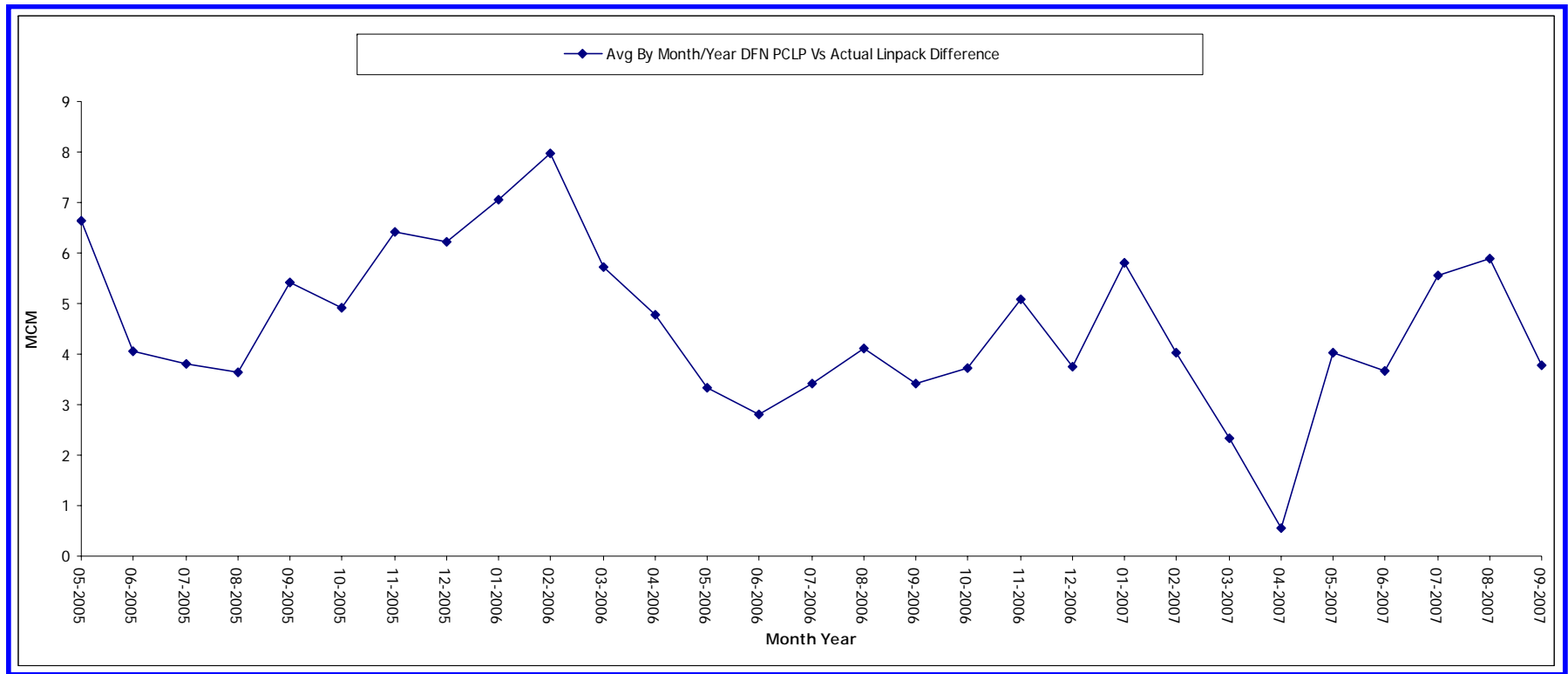


# Analysis

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- ◆ Comparisons have been made of PCLP v Actual Linepack over time to look at trends.
- ◆ A number of sample days looked at for supply, demand and PCLP v actual linepack data.
- ◆ The example day provided in this presentation shows the different forecast information which forms part of the PCLP calculation.

# Average difference of DFN PCLP & Actual Linepack

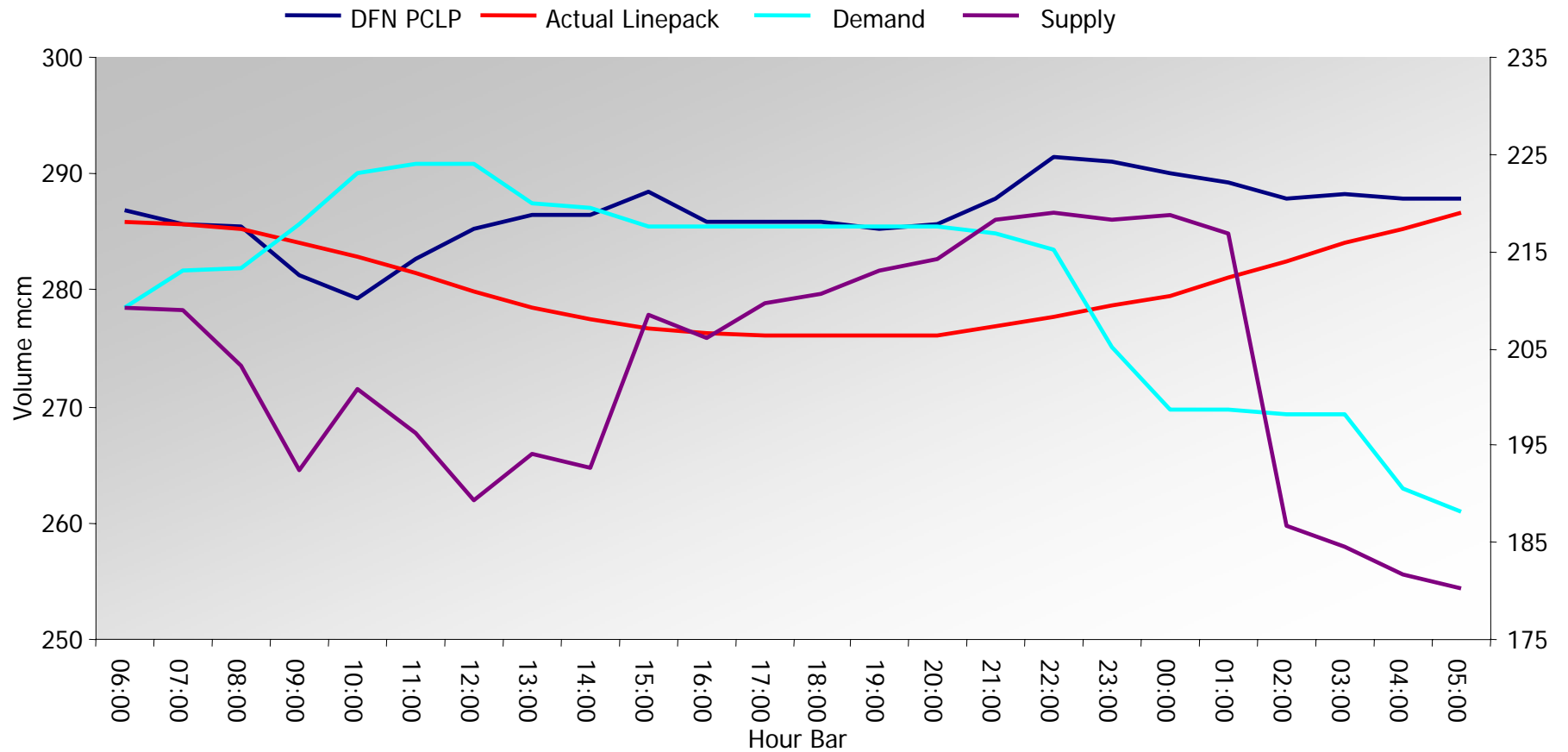


The graph above shows the average difference between the DFN PCLP and the actual Linepack during the period 01/05/05 – 30/09/07

Differences swing between 3 to 7 mcm throughout the majority of the analysis period peaking during December to February 2005.

Improvements were noticed during early 2007 yet differences have increased again from the beginning of April 2007

# Example: DFN PCLP Vs Actual Linepack Gas Day 29/07/2007



# Conclusion

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- ◆ The PCLP will only be as accurate as the component information that is used to calculate this.
- ◆ National Grid use the best available data they have each hour.
- ◆ Accurate information on supply = more accurate PCLP.