

Gasdays 25th and 29th December

Duncan Sluce

Gasday 29th December 2005 – System Balancing

Highest GD of the winter at the time (EOD demand 386.7mcm).

Not enough LP in system :

Start of Day (OPLP 295.5)

Actual within day

Nominated End of day position.

Therefore needed more gas in the system.

Low industrial and power station load	- Little demand turndown available
3 supply losses	- Less supply available (around 16mcm rate)
Week between Christmas and New Year	- Lesser response to market fundamentals

Very little response in the few hours before balancing (at 18:00) to imbalance. Prices slight increase no PCLP improvement.

PCLP dropped 4 mcm to 6 mcm light of target at 16:00, and moved to over 10 mcm light at 18:00. NG had been waiting for a response from market, but none received. NG therefore traded at 18:15

Started balancing at 18:00, lost 0.7m. Balanced at 19:00 lost 0.5 mcm hrs. Balanced 20:00

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Gasday 29th December 2005 – System Balancing

As NG trading prices went up. Balanced to rising prices in line with market.

Trading started at 18:15 at 87.75 p/th and continued each hour until
Trading finished at 20:33 at 151 p/th

If no trading, we would have had a large negative imbalance on the day, leading to unsafe grid conditions.

Gas bought: 1.3 mcm

Response:

Interconnector 7.6 mcm.

Storage 2.8

Beach 1.5

All trading led to 2 mcm over-delivery on the day

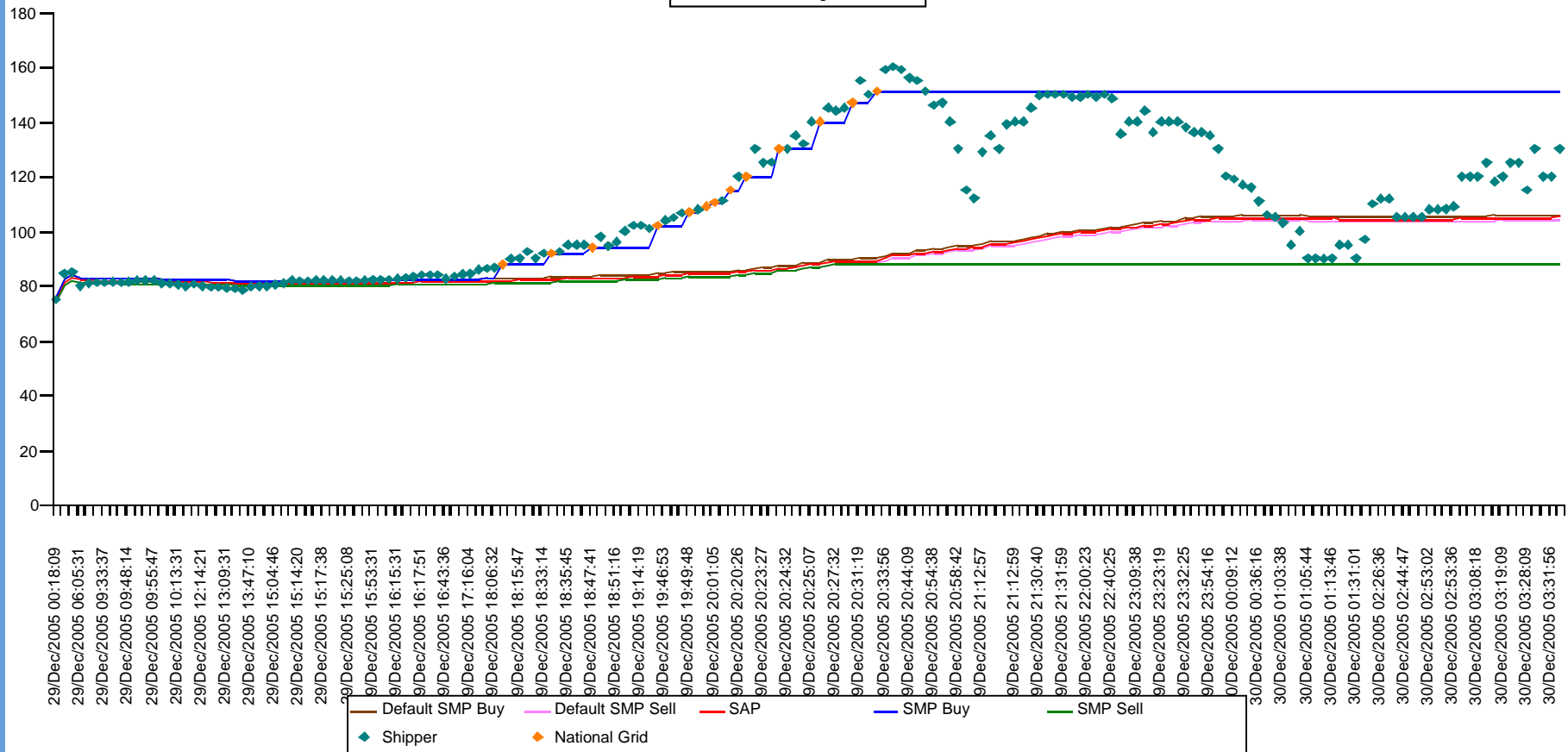
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Gasday 29th December 2005

Gas Day

29/12/05

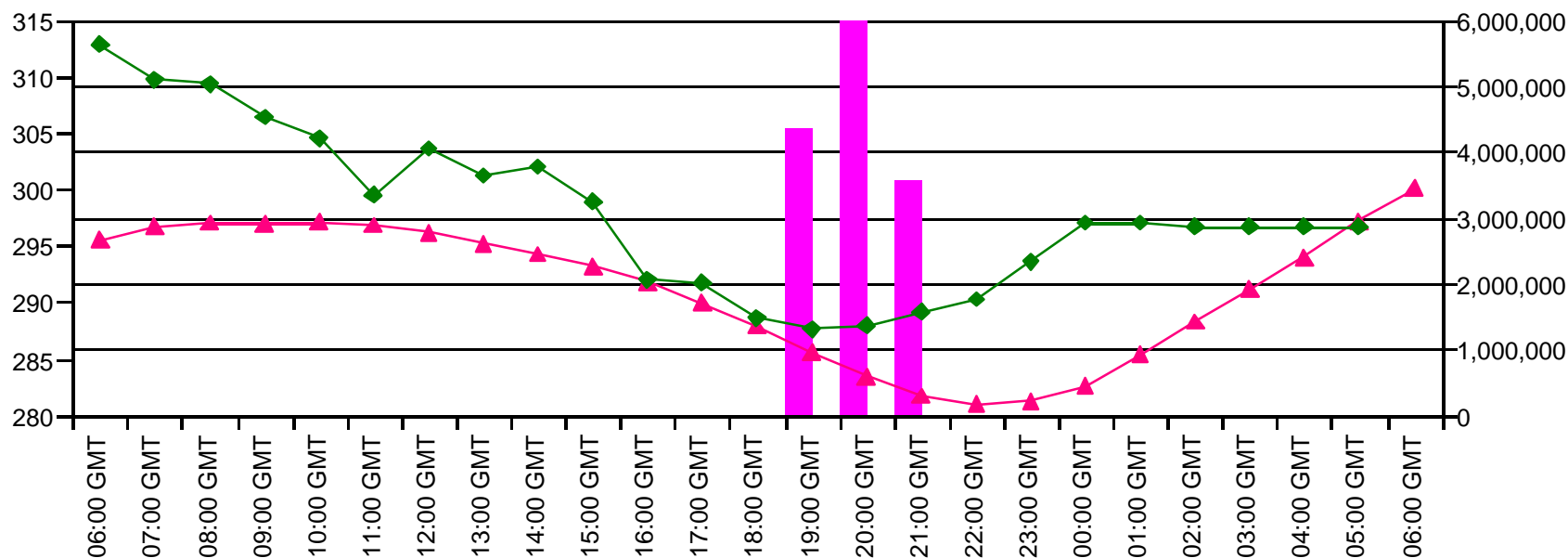
National Grid Trading Performance



Gasday 29th December 2005

Gas Day 29/12/05

Linepack Variations Based on National Grid Actions



Gasday 29th December 2005 – Operating Margins

Gap in middle of system (along with compressor outages), contributing to transportation constraint leading to localised deficit in the South Wales feeder.

Supply losses 3 terminals on east coast.

Terminal 1 10:00 - 9.3mcm rate (EOD 7.4)

Terminal 2 15:00 - 2mcm rate (EOD 2.6)

Terminal 3 16:00 - 4.6mcm rate

20:40

Pressures at Dyffryn Clydach very low and falling rapidly.

South Wales supply restricted due to flow losses, compounded by compressor problems at 4 compressor sites.

Gasday 29th December 2005 – Operating Margins

Lack of gas across middle of system meant no gas to move to extremities. Could not move gas from other areas due some key compressor outages, and the extra compression required failed. This led to a significant and quick drop in pressure in the south Wales feeder, which caused NG to bring on Operating margins gas.

Operating Margins called at Dynevor Arms.

4.5 GWh of OM bought in 2 equal amounts

2.5 mcm rate for 2 hours at 21:00

2.5 mcm rate for 2 hours at 23:00

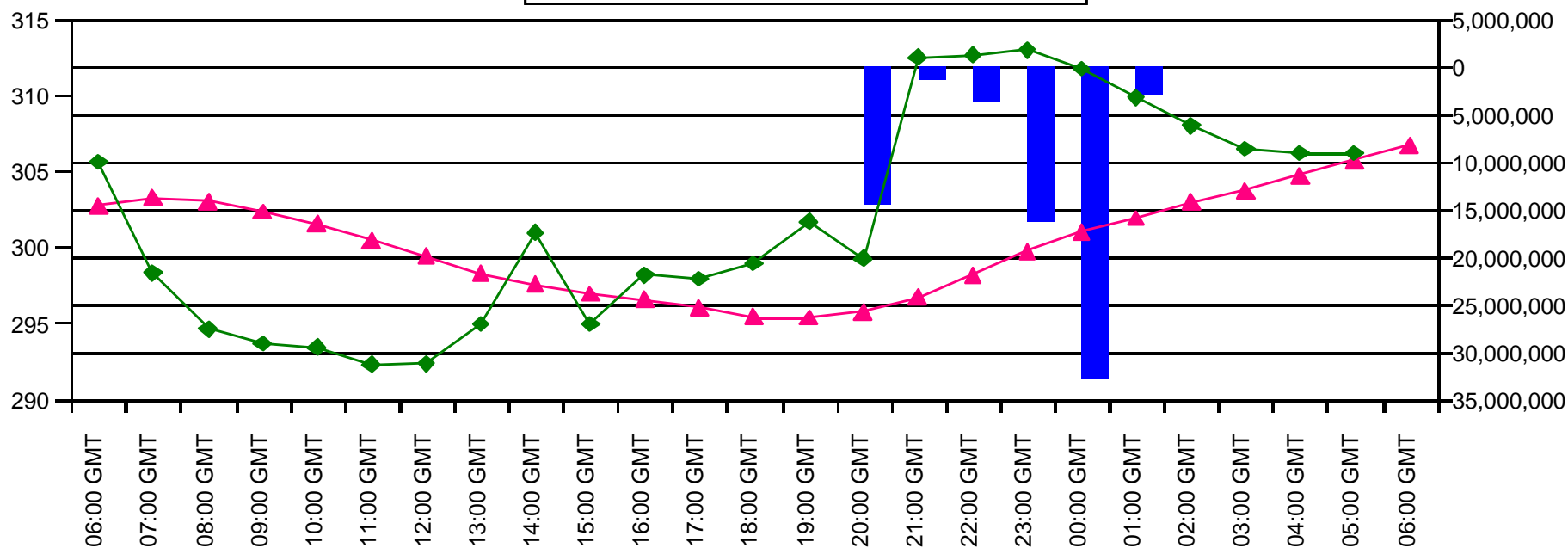
OM bought as stop gap until gas was able to be transported to area.

Gasday 25th December 2005

Gas Day

25/12/05

Linepack Variations Based on National Grid Actions



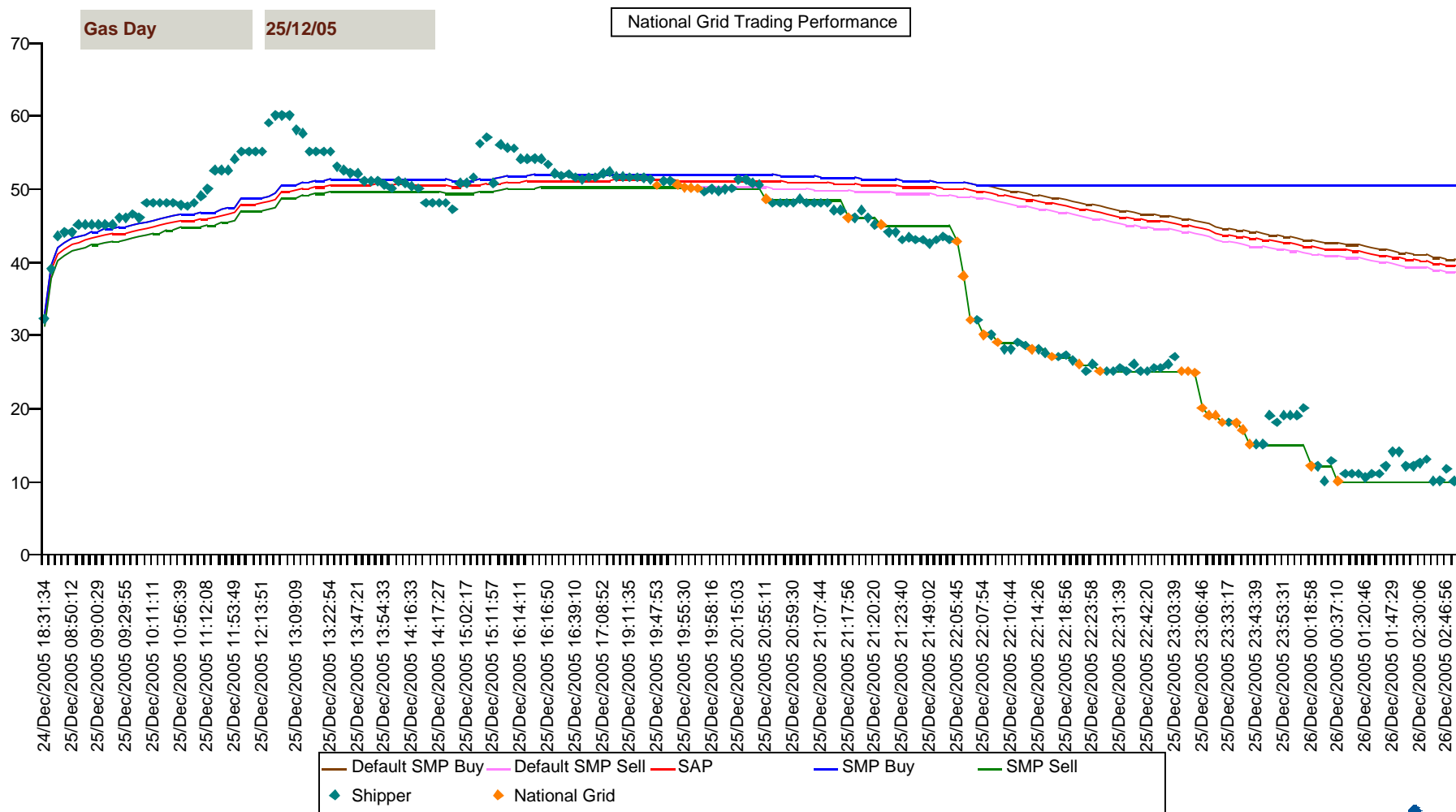
Buy Action (Hourly)

Sell Action (Hourly)

Linepack (Hourly)

PCLP Based on NG's View(Hourly)

Gasday 25th December 2005



Gasday 25th December 2005 – System Balancing

System started the day too heavy for the demand, and NG needed to lose some linepack.

System reasonably balanced until 19:00, when it became a little heavy. NG decided to balance at this time.

LDZ round up at 20:30 hrs dropped LDZ demand by 13.5mcm, making the system 15.4 heavy of target.

National Grid sold every hour until a response arose.

Unfortunately no significant response occurred.

Selling stopped at 00:37 at 10 p/th, with NG, still awaiting response, and believing no further trading would have any more influence on PCLP.

PCLP dropped significantly from midnight.

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