

Operational Overview

Operational Forum, 10th February 2010



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Weather for the up and coming weeks

◆ Met Check –

- ◆ Is reporting 'Further sleet and snow showers are expected on Wednesday, some heavy. Although daytime temps are forecast to be as high as 5°C they will feel more like -4°C'

◆ Theweatheroutlook.com –

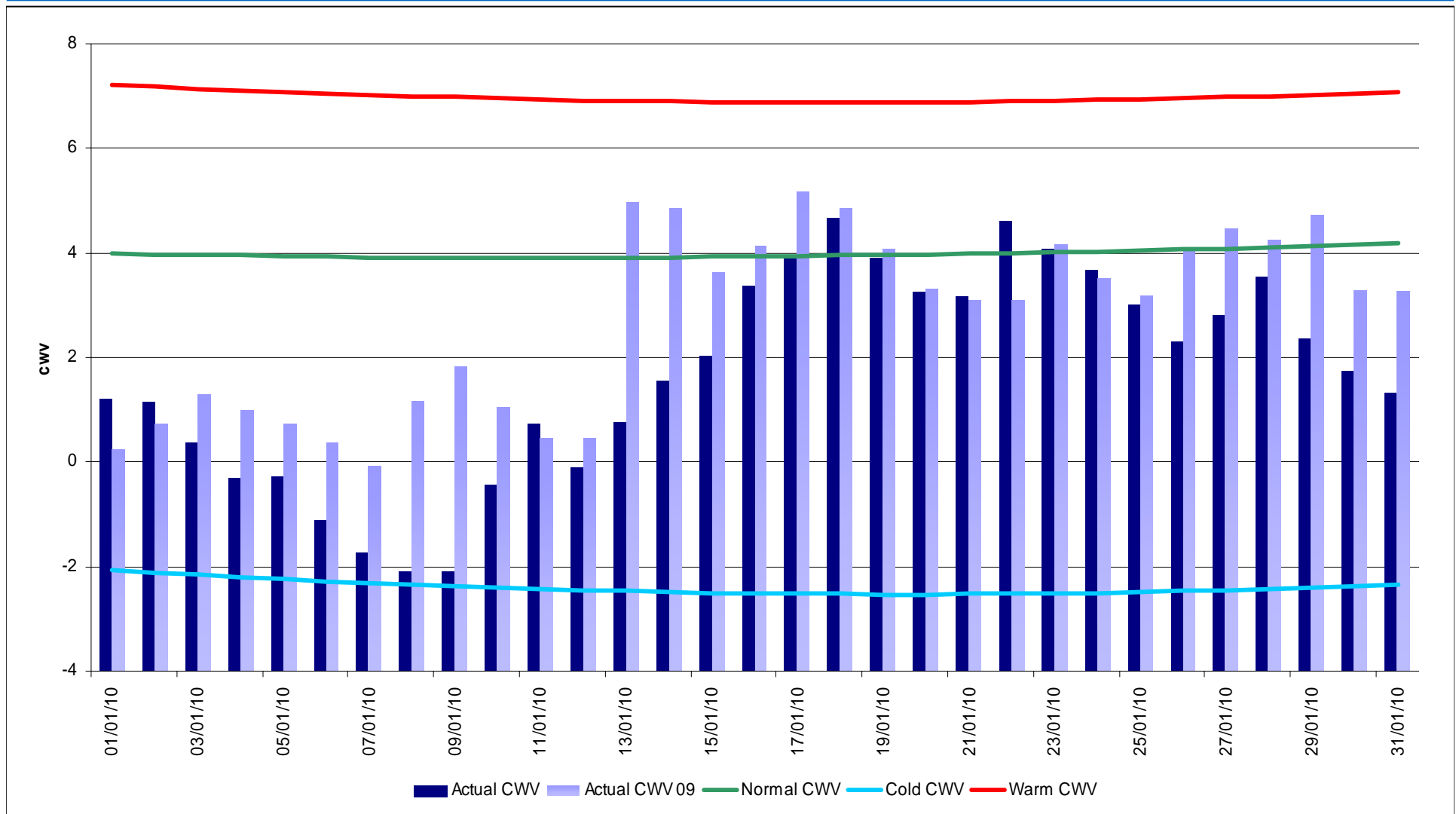
- ◆ Is reporting 'The next couple of weeks look set to be cold and increasingly wintry across the UK. By the weekend there may well be some significant accumulations of snow. Overnight frost will also become sharp and widespread, in most places temperatures should continue to rise just above 0°C.'
- ◆ February often brings the UK its most wintry weather, with the coldest conditions frequently coinciding with Valentines Day, and it looks as though this pattern may well occur this year

◆ The Met Office –

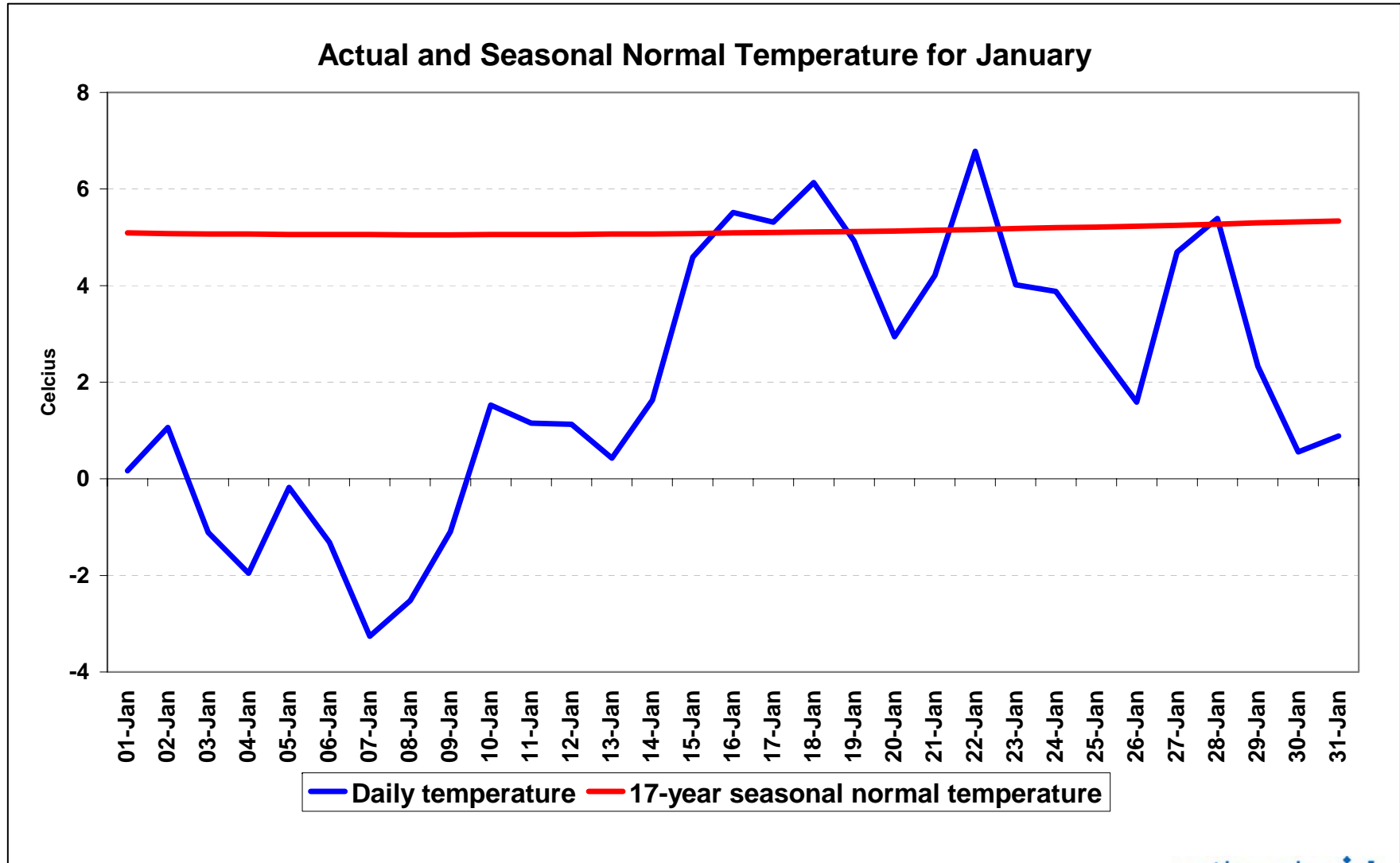
- ◆ Is reporting 'It will be cold generally, with wintry showers. Overnight frost will be widespread, and locally severe. Tuesday to Thursday (16th to 18th) much of the U.K. Daytime temps with a maximum of 5°C feeling like -3°C Nighttimes will be as low as -6°C'

Composite Weather Variables

From 01-January-2010 to 31-January-2010

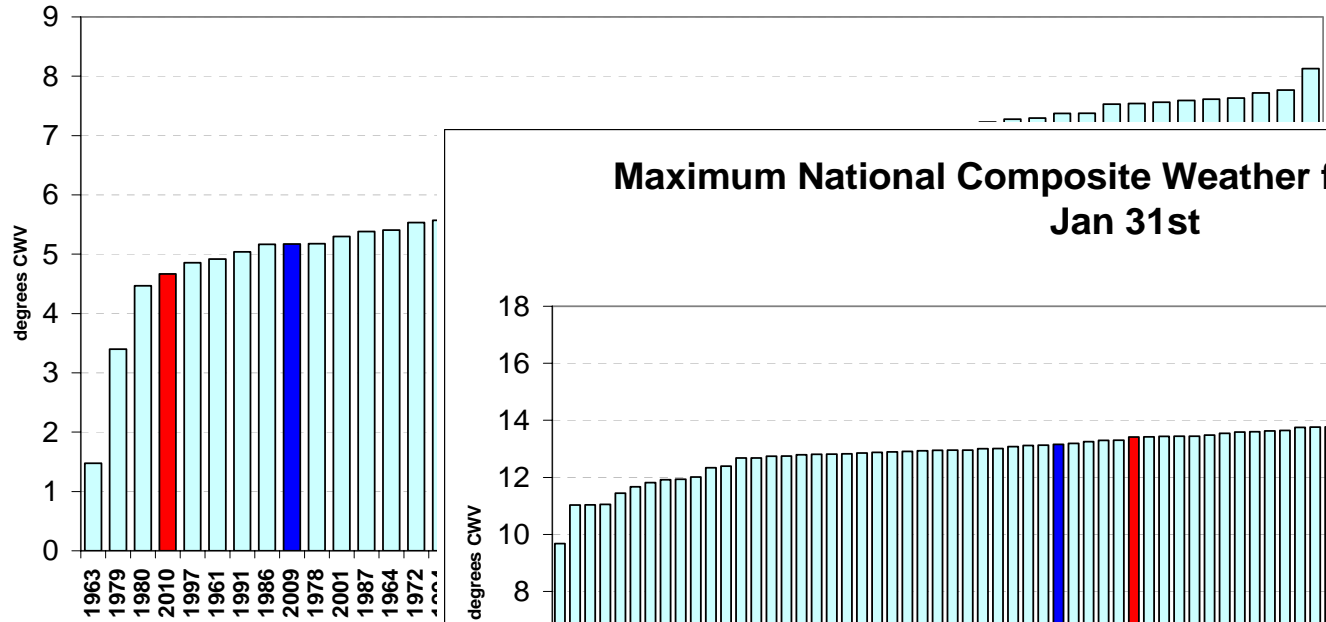


Weather

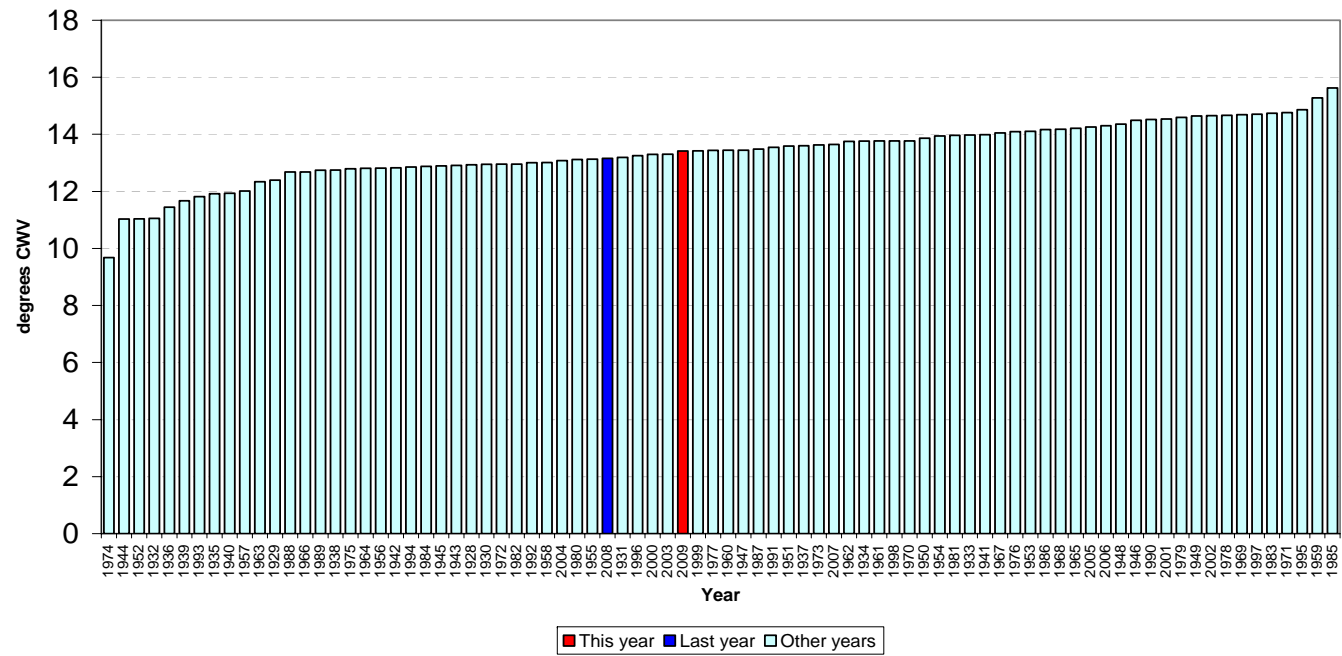


Maximum National CWVs

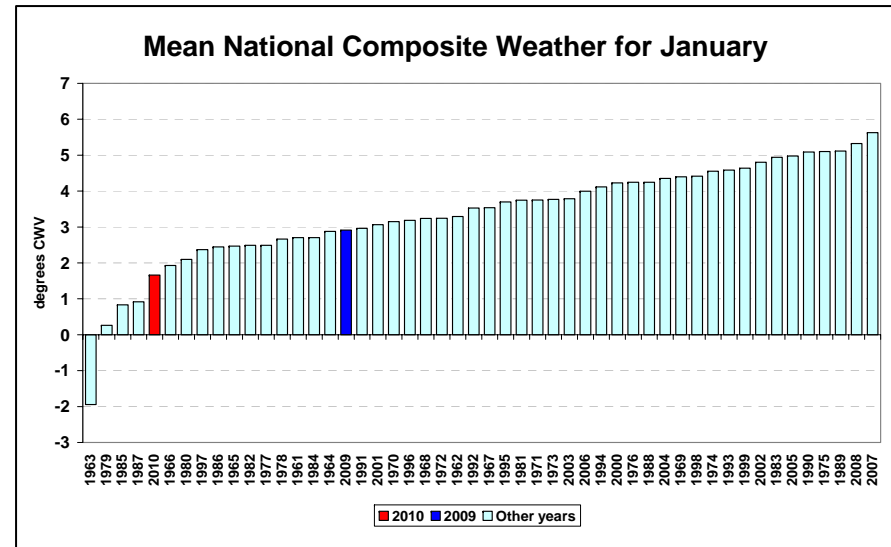
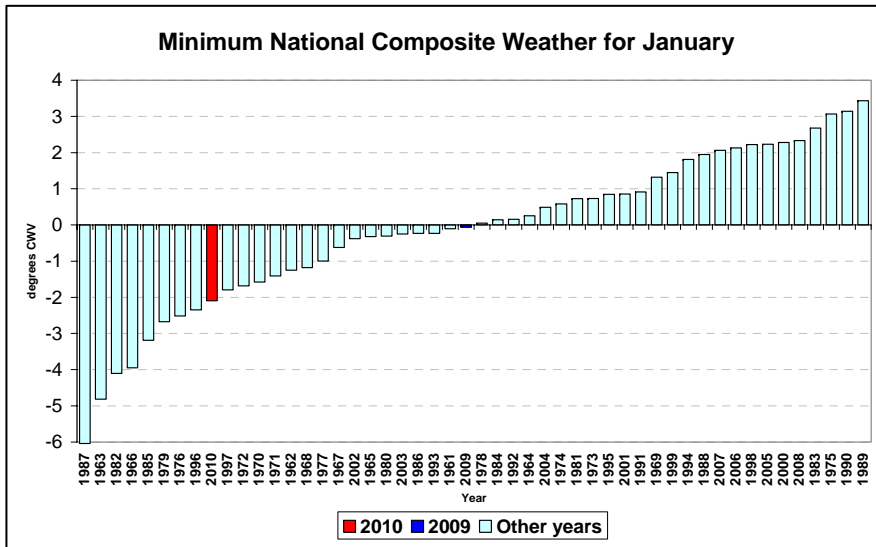
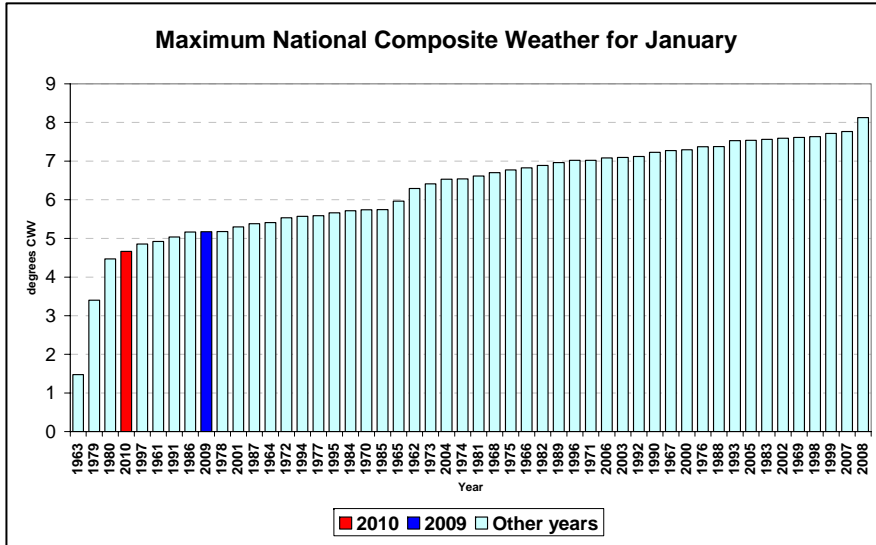
Maximum National Composite Weather for January



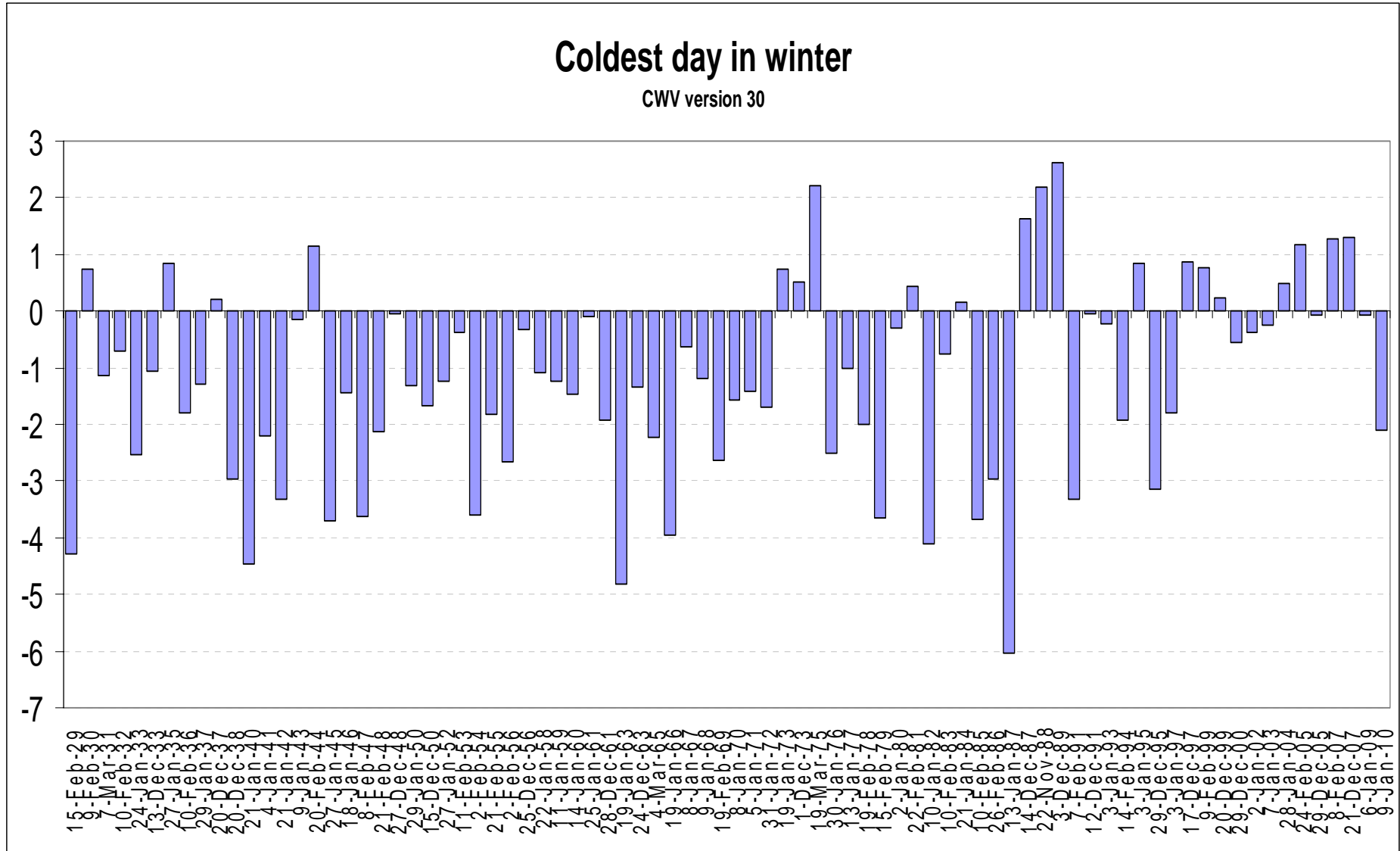
Maximum National Composite Weather for October 1st to Jan 31st



So, January then...



Coldest days in past winters



Demands

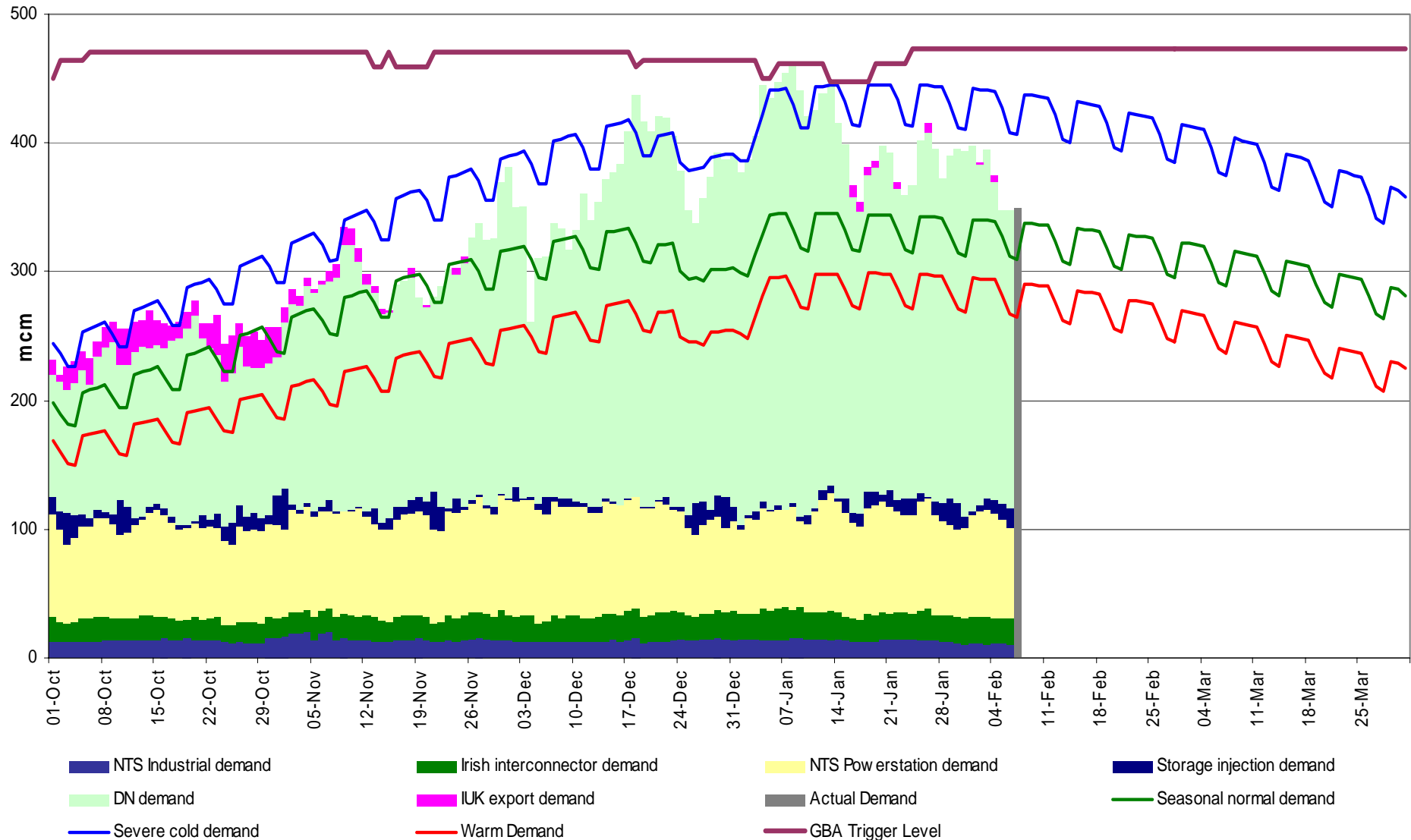


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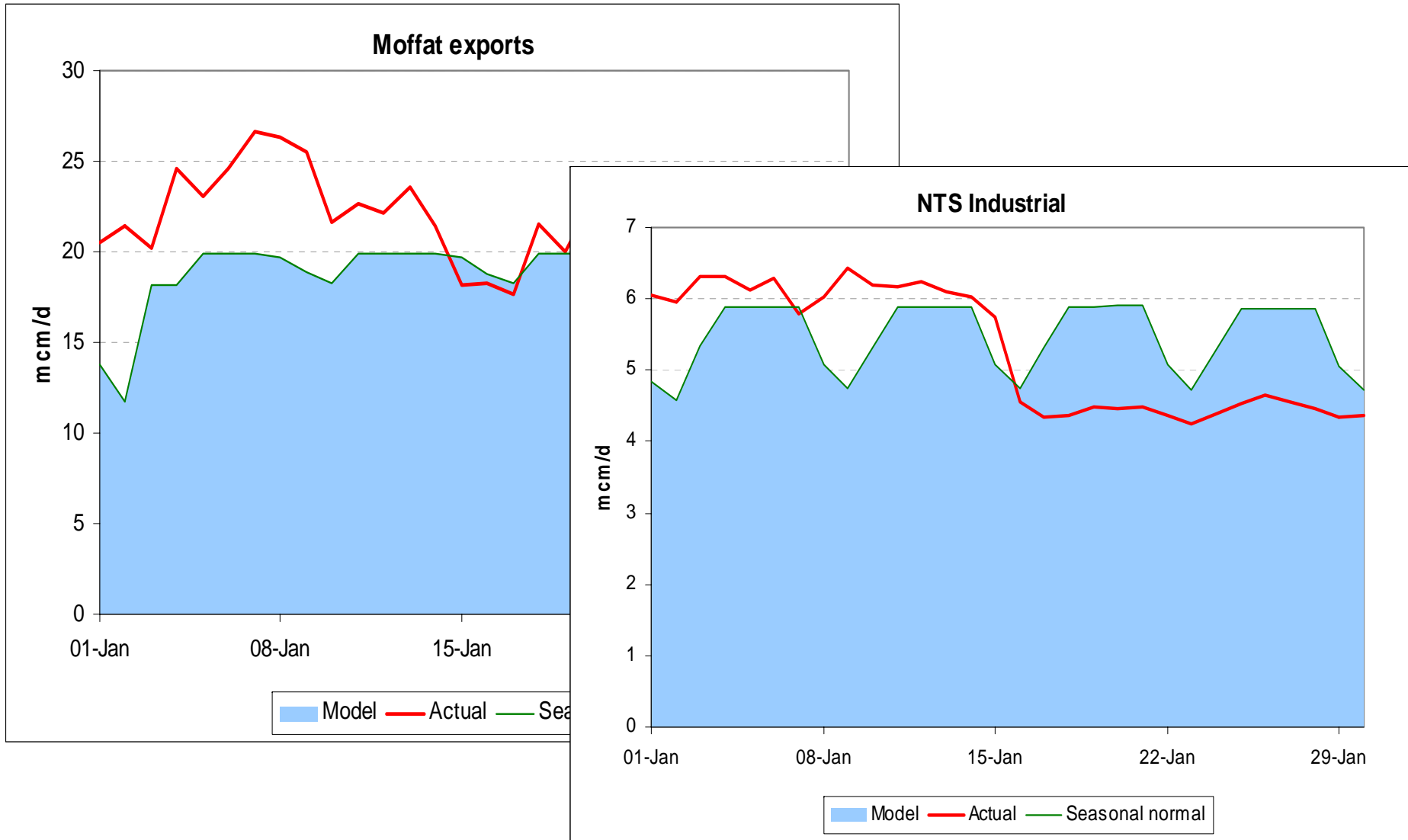
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Gas Demand by Category

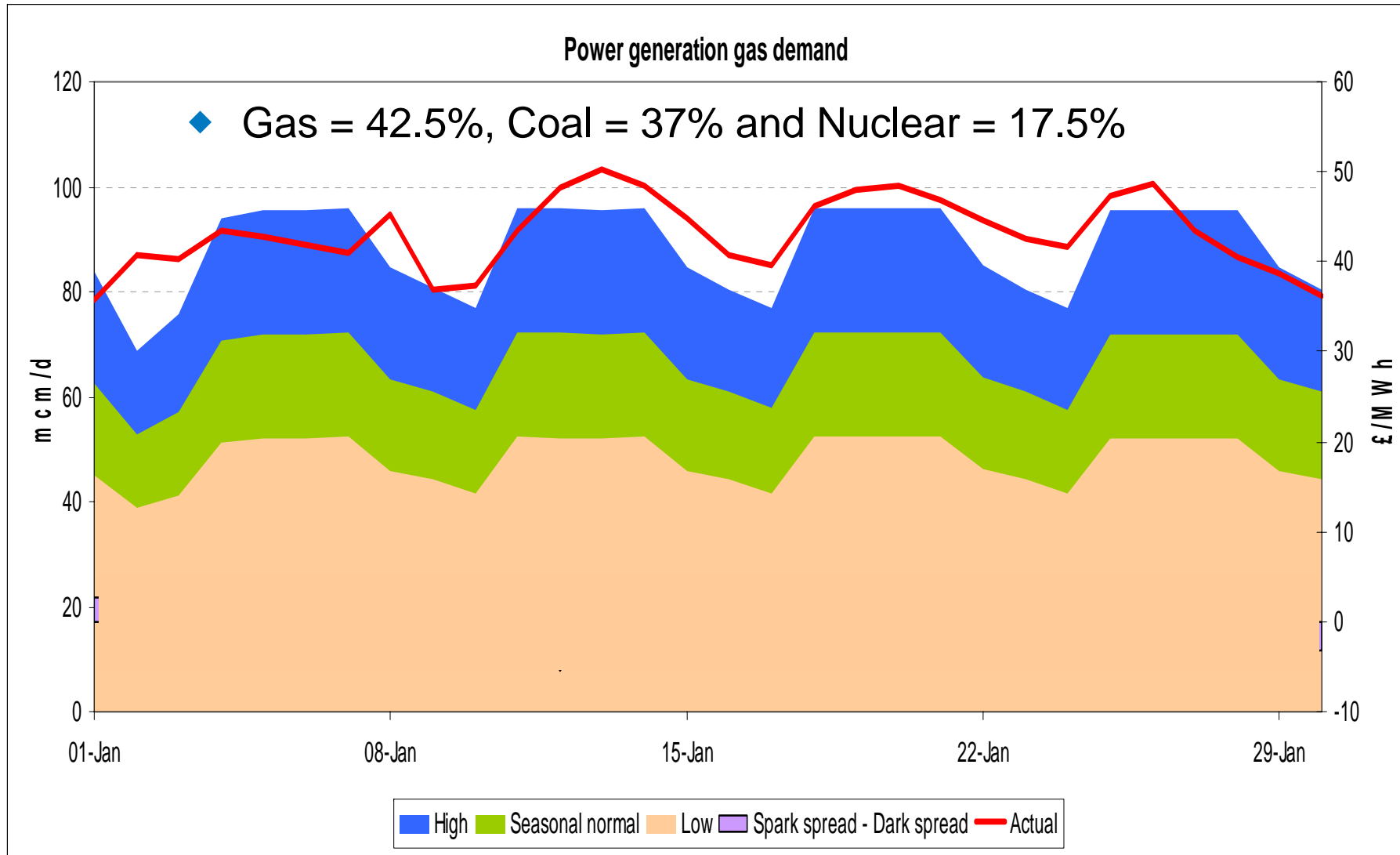
From 01 October 2009 to 31 March 2010



NTS Gas Demand



Power Generation



Generation data compiled from half hourly data from http://www.bmreports.com/bsp/bsp_home.htm

Supplies

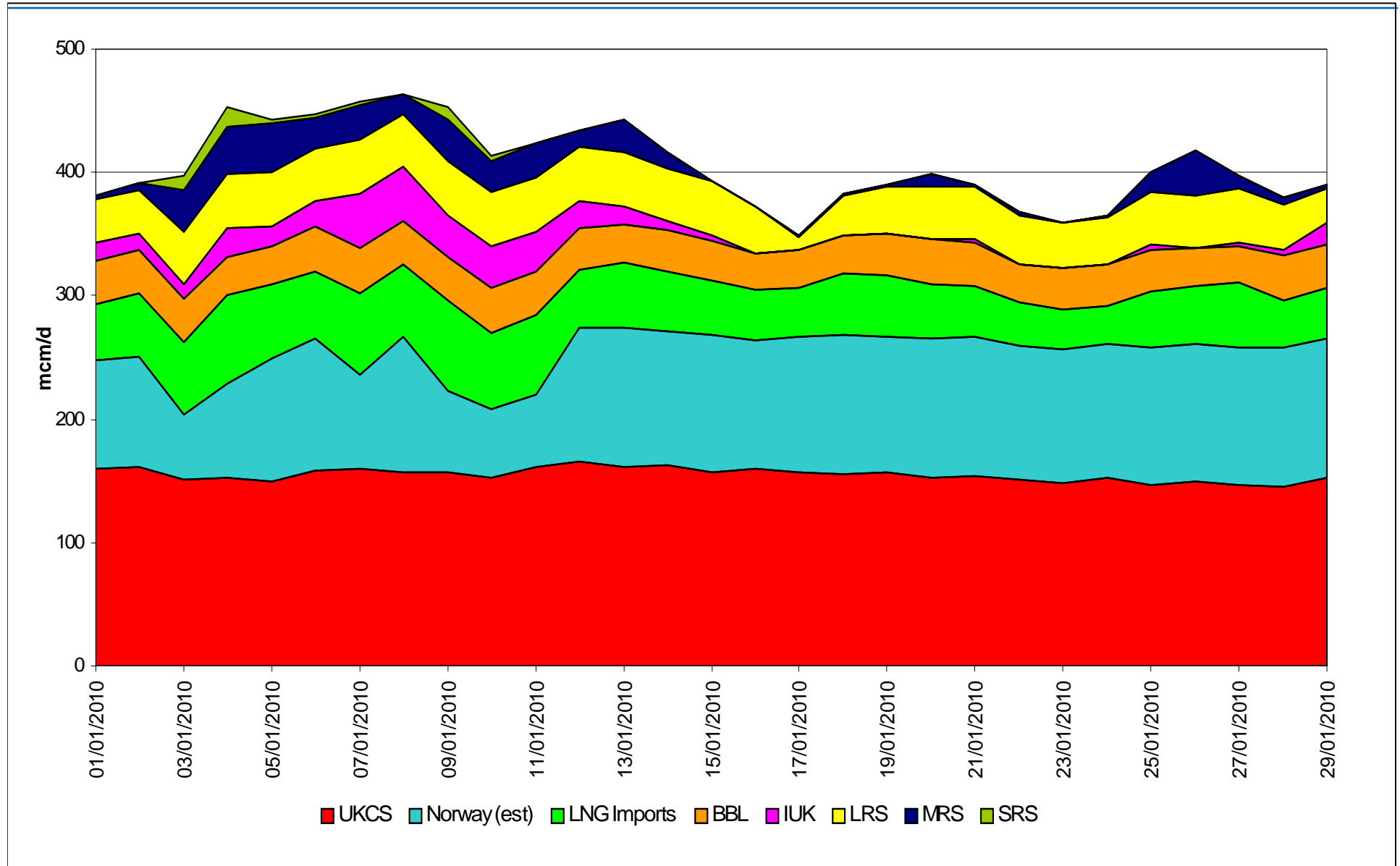


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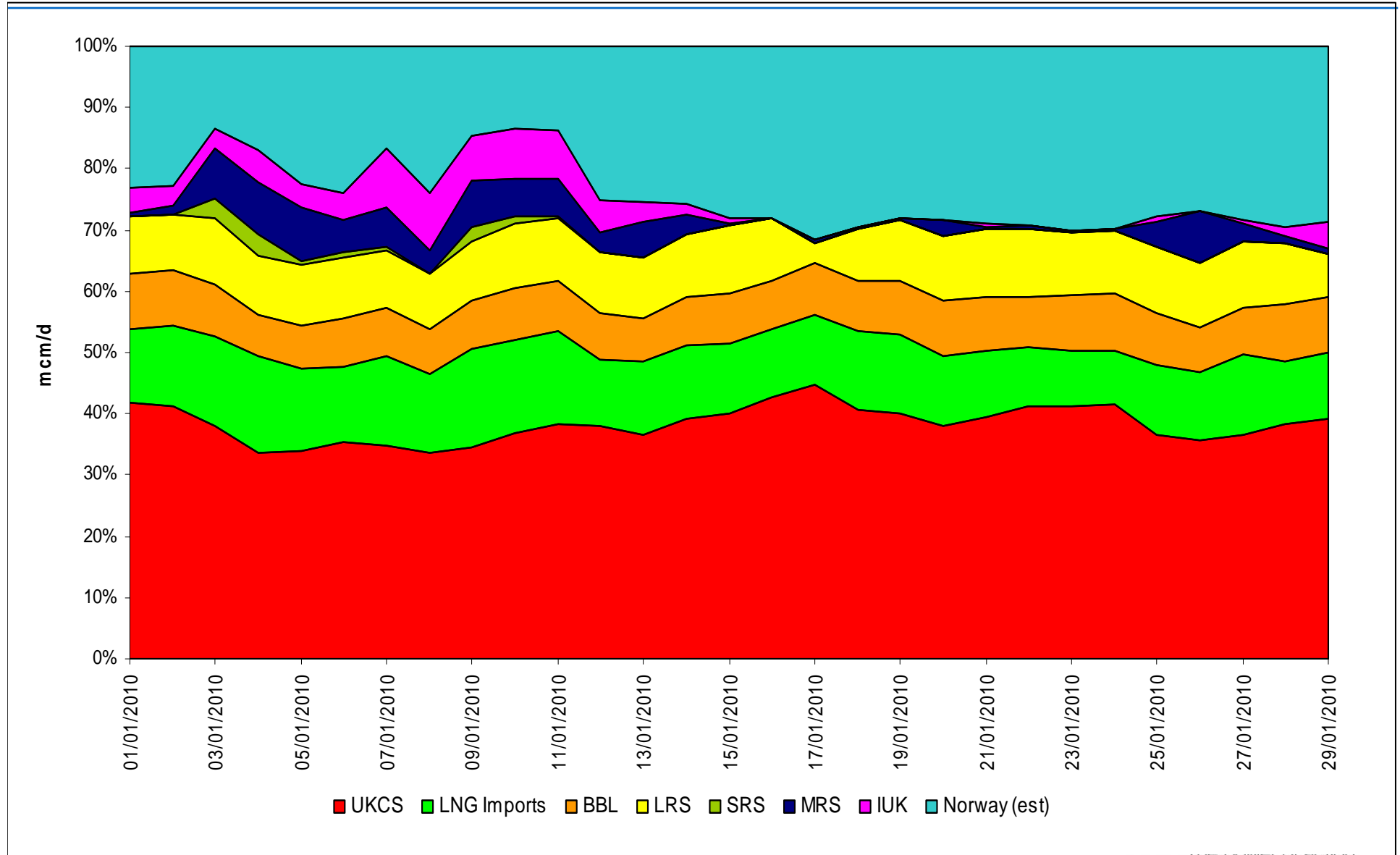
Gas Supply Breakdown

From 01-January-2010 to 29-January-2010



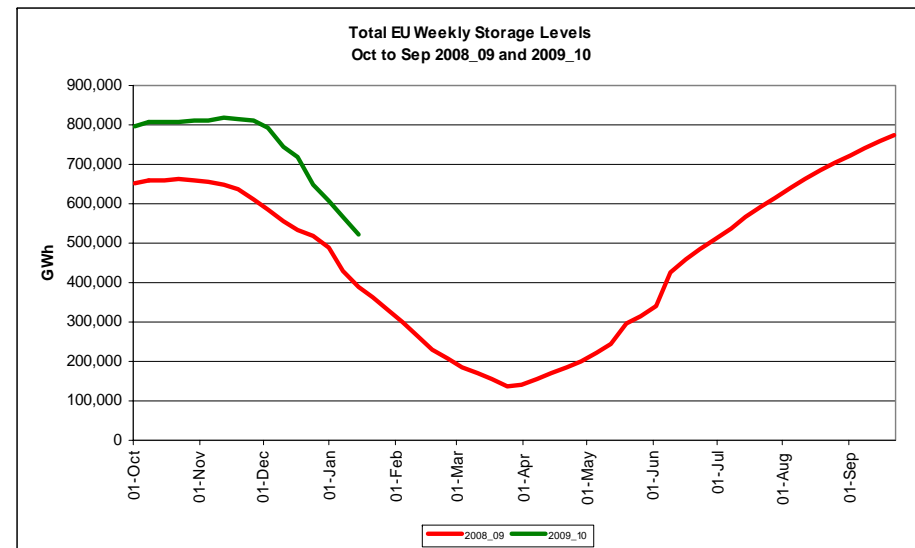
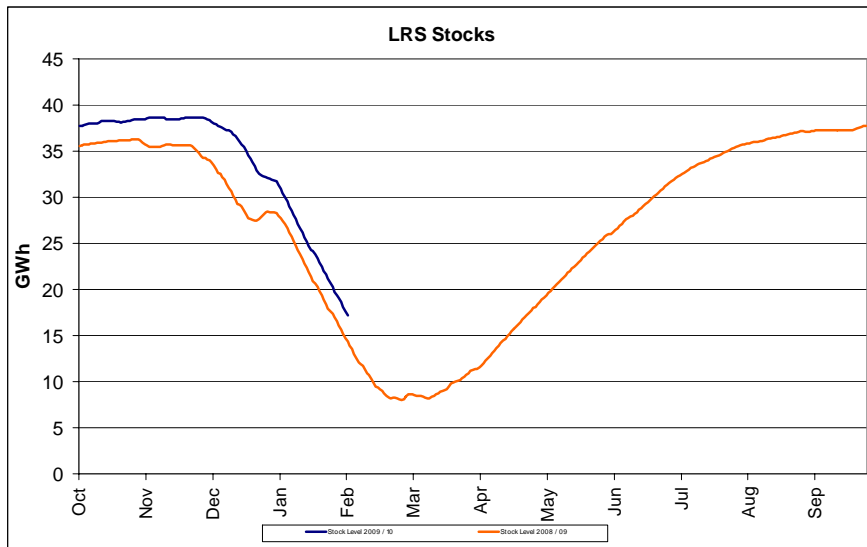
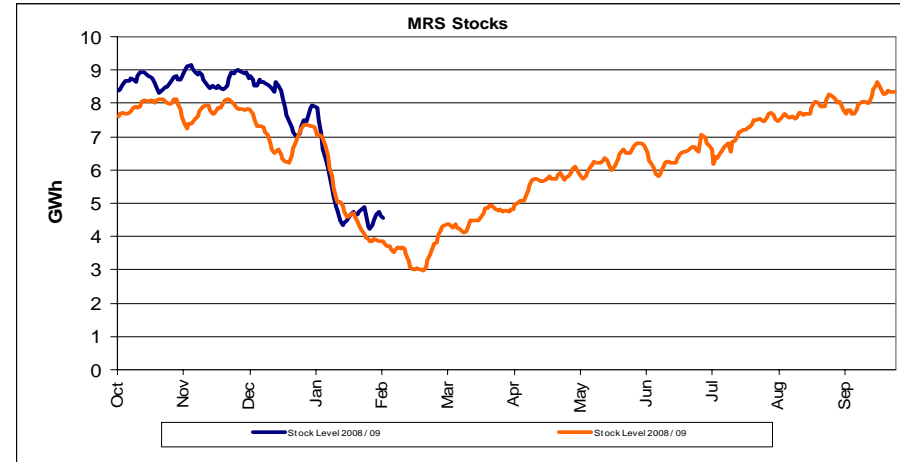
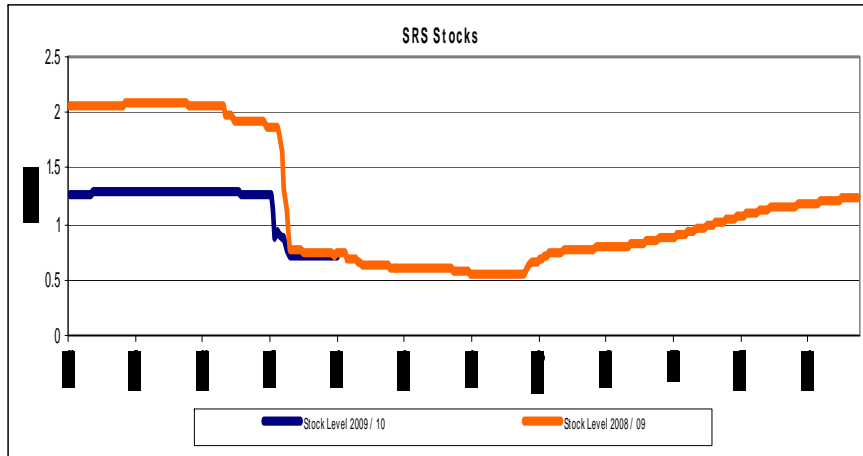
Gas Supply Breakdown

From 01-January-2010 to 29-January-2010



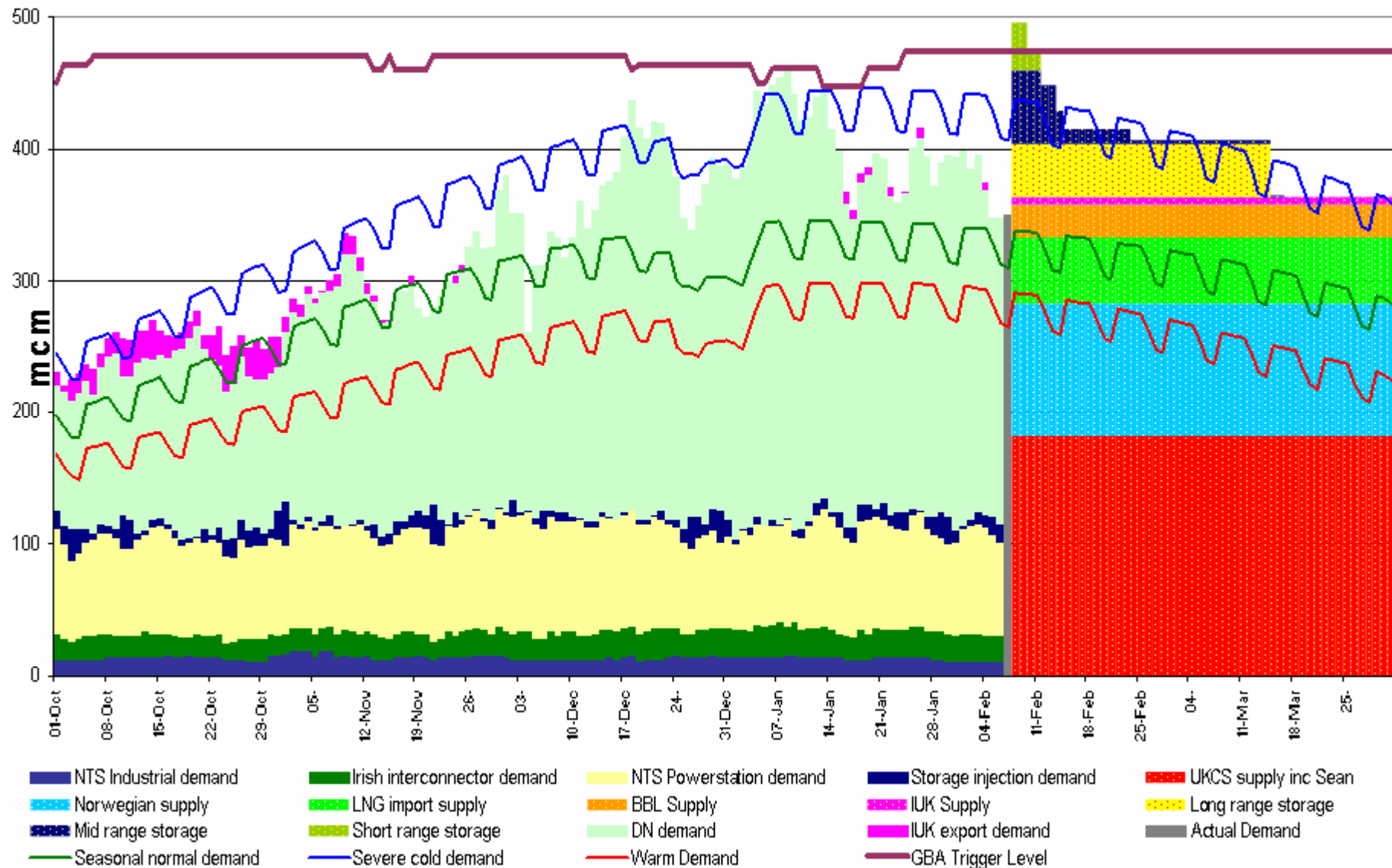
Storage Stocks - UK

From 01-October-2009 to 02-February-2010



Gas Demand by Category and Supply Outlook

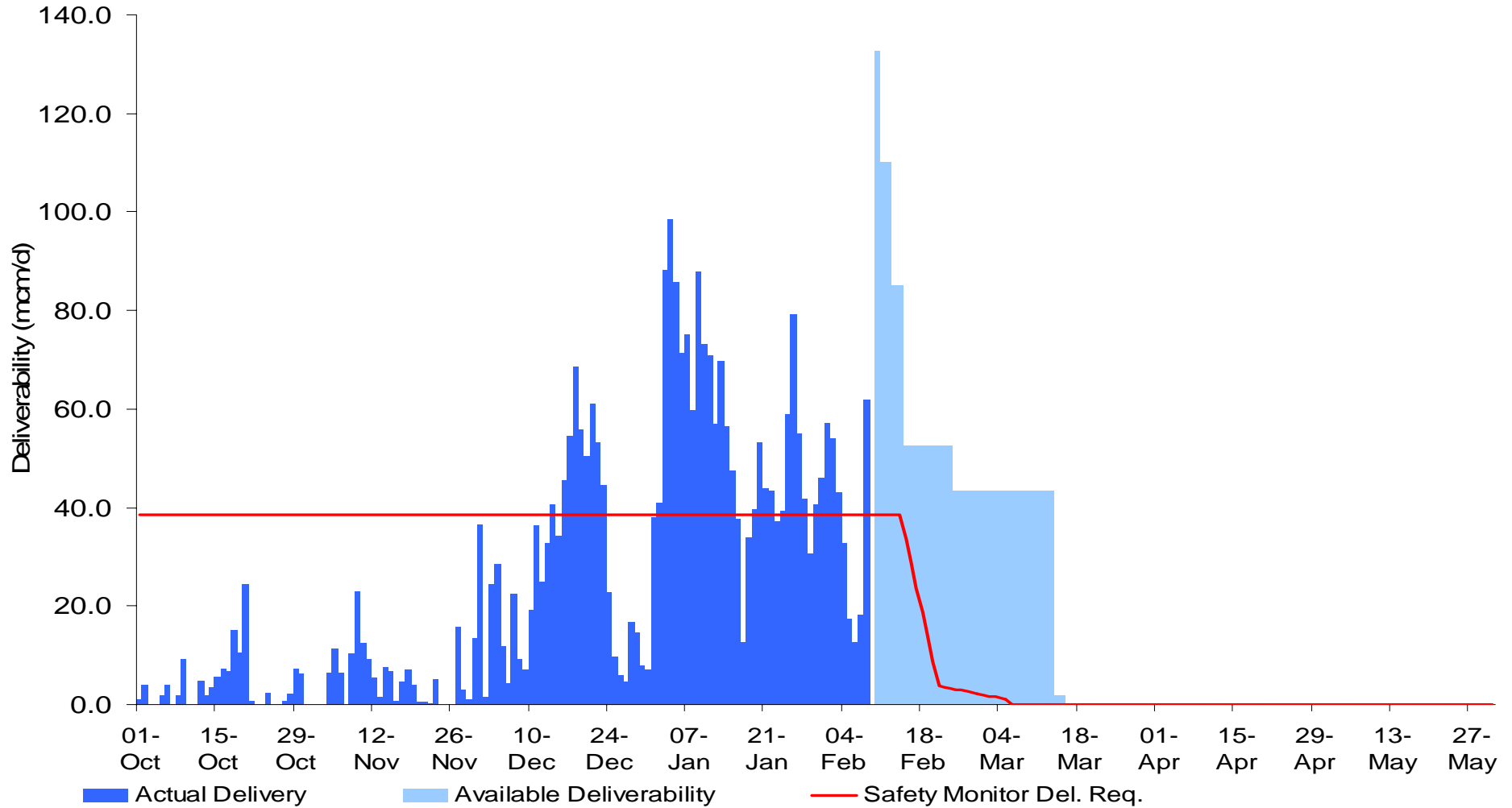
From 01 October 2009 to 31 March 2010



Deliverability Safety Monitor

Winter To Date

<http://www.nationalgrid.com/uk/Gas/Data/GBA/>



Transporter Actions & Neutrality

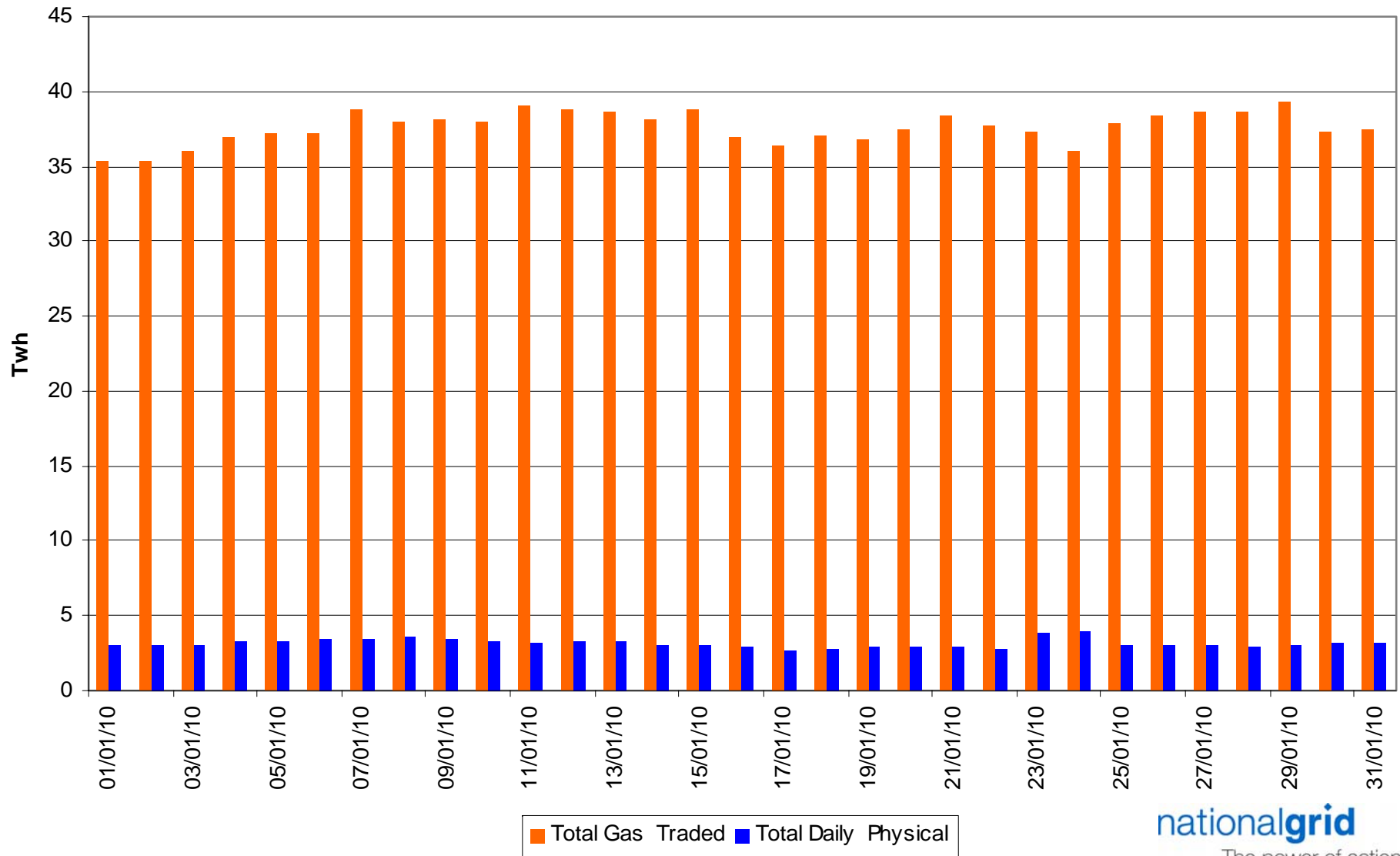


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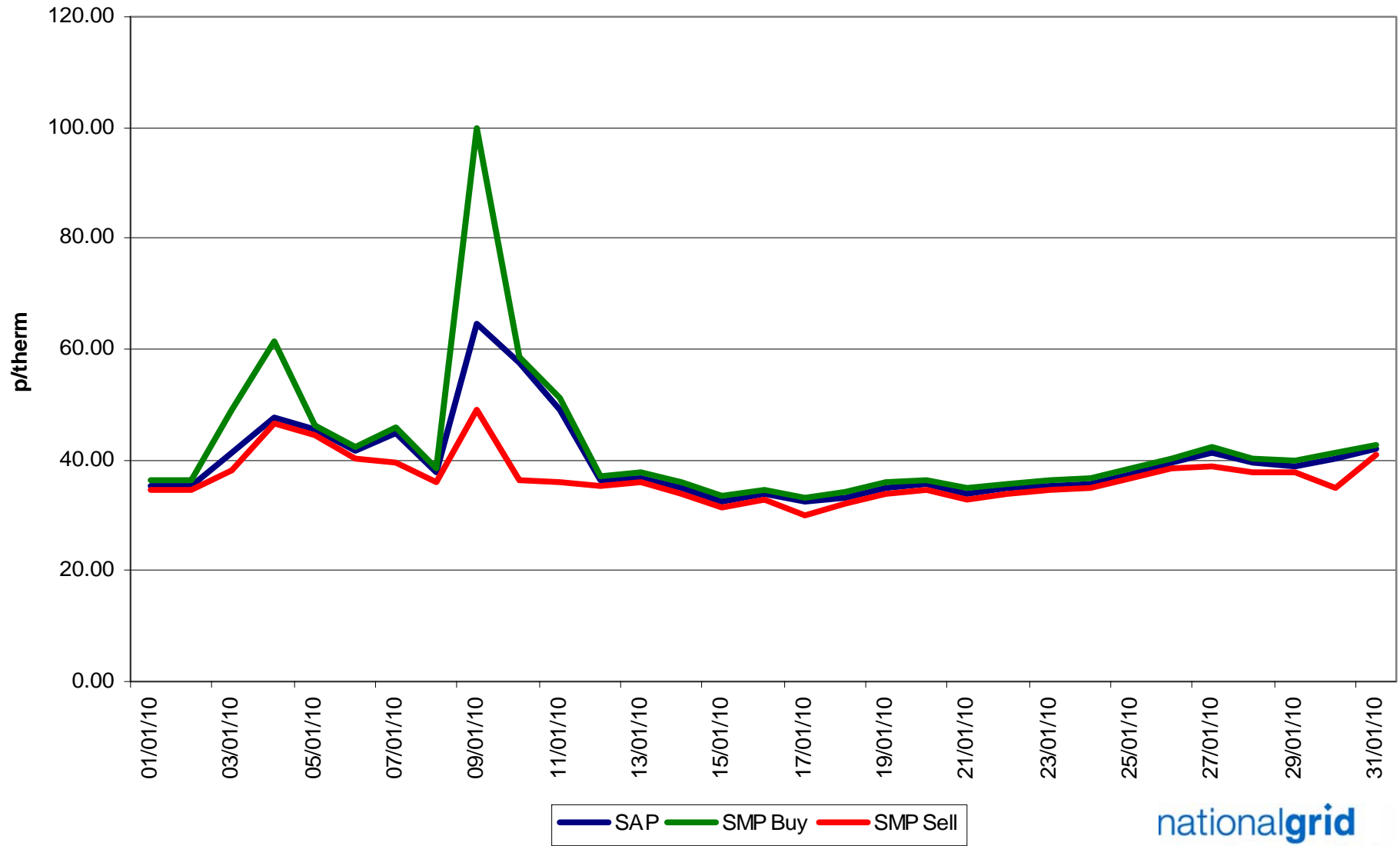
Market Liquidity

From 01 January 2010 to 31 January 2010



System Prices

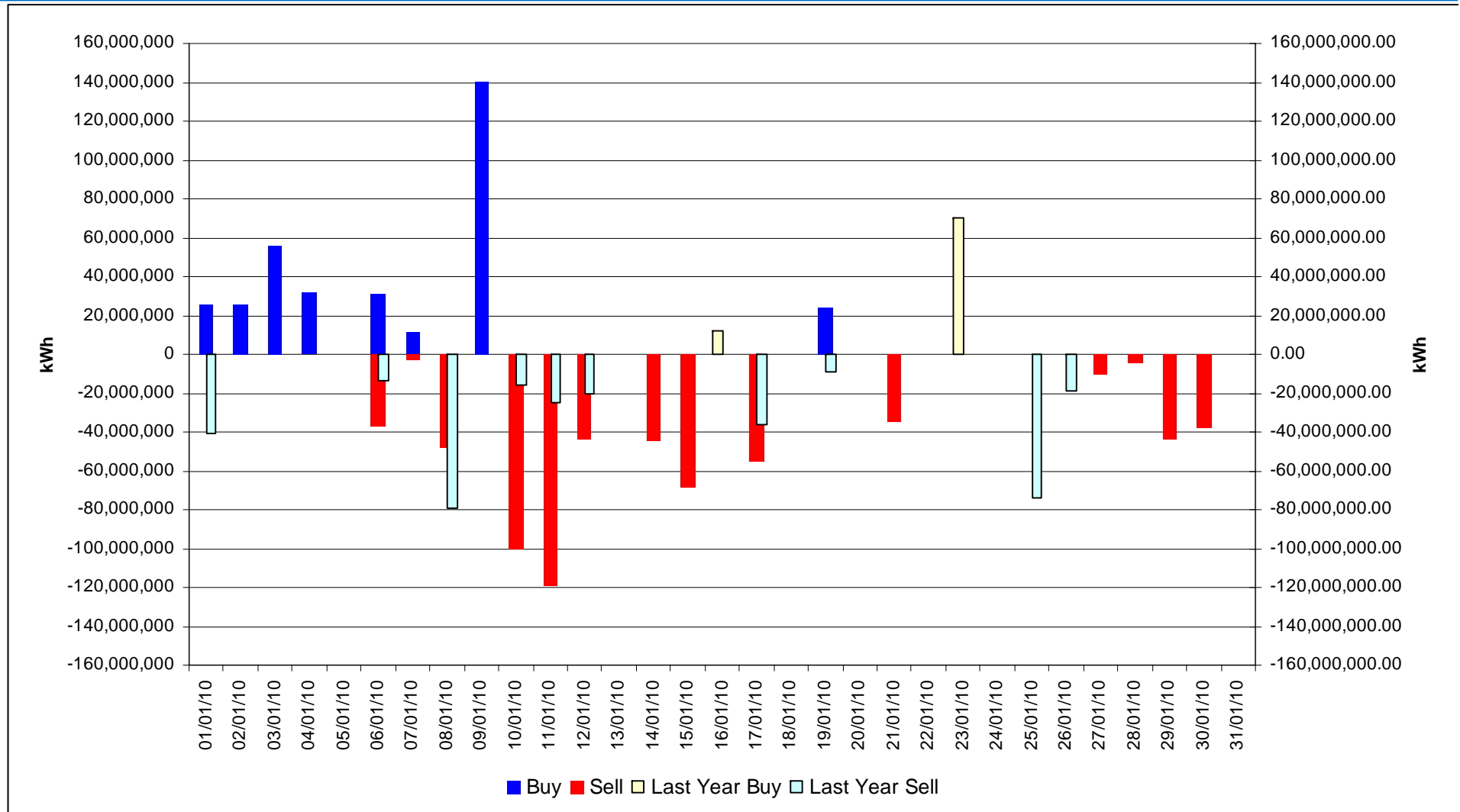
From 01 January 2010 to 31 January 2010



Transporter Energy Traded on the OCM

Buys and Sells by Day

From 01-January-2010 to 31-January-2010



Days of Default SMP Prices

From 01-January-2010 to 31-January-2010

Percentage of Days of Default SMP

SMP Buy

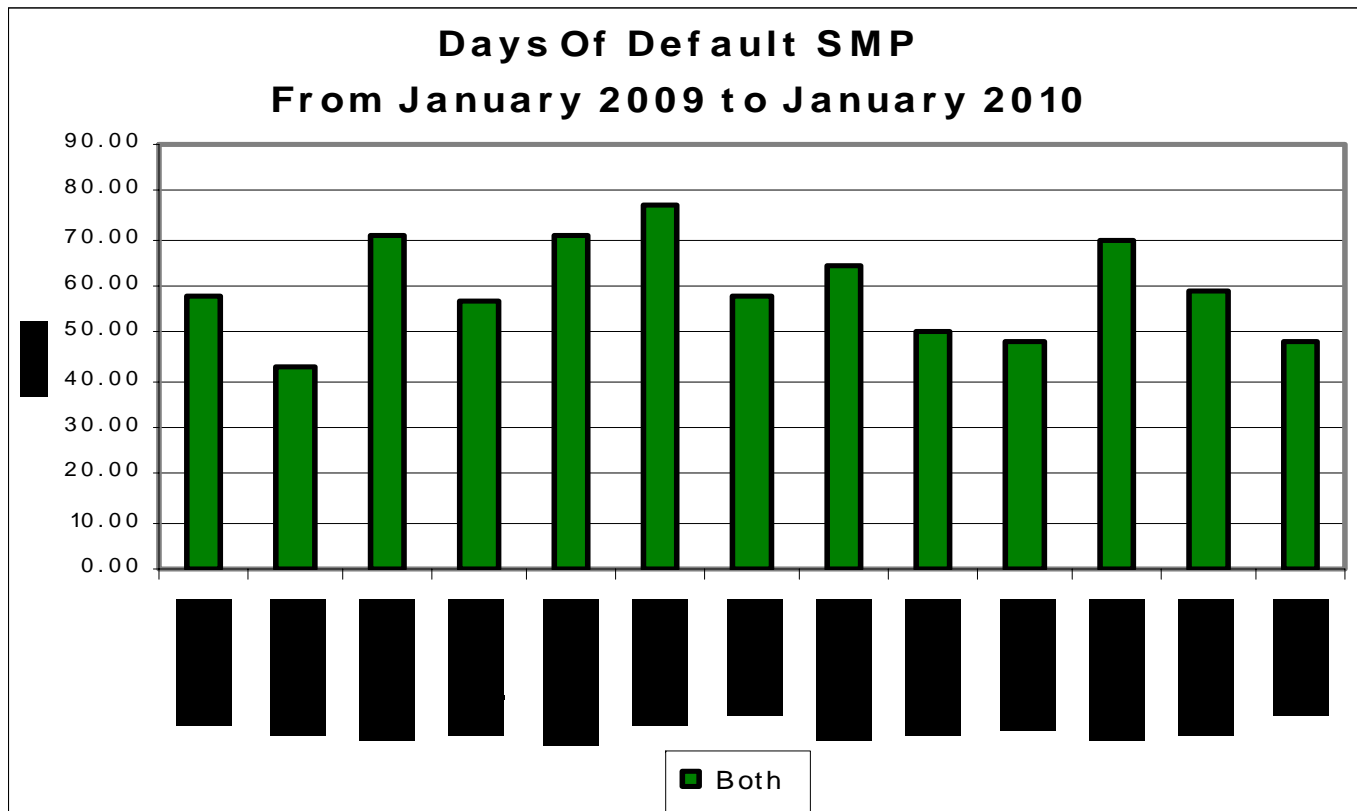
SMP Sell

Both

80.6%

58.1%

48.4%

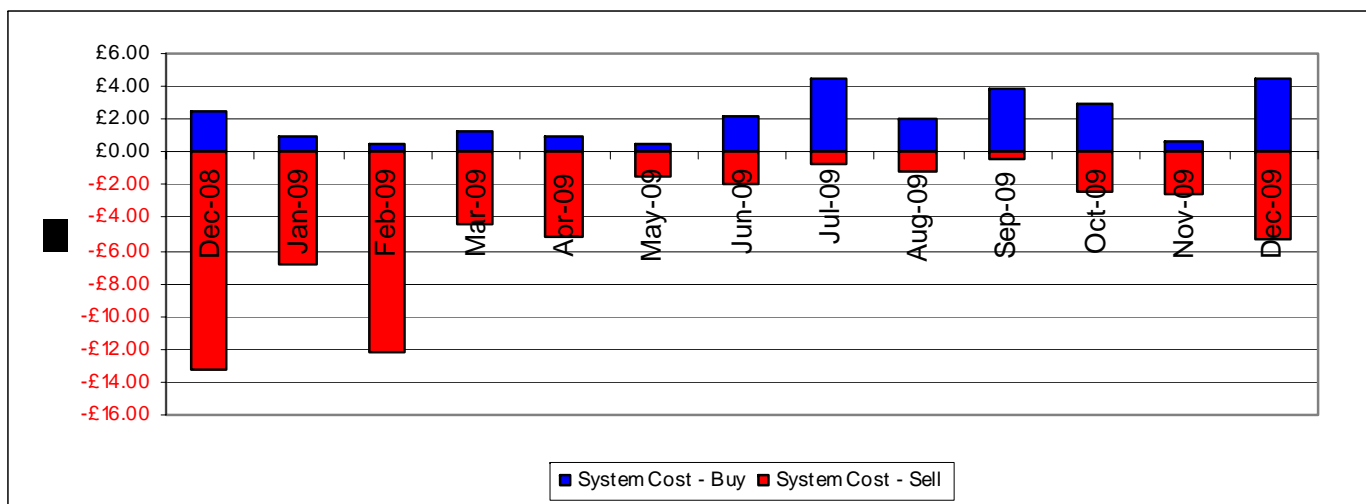


Transporter Actions on OCM Mechanism

Revenues / Costs

From 01-October-2009 to 31-December-2009

	Quantity (TWh)	Average Price (p/KWh)	Average Price (p/therm)	Cost (£m)
System Buy	0.793	1.0263	30.07	£8.14
System Sell	-1.150	0.9012	26.40	-£10.36
Net Position	-0.357 Sell			-£2.22

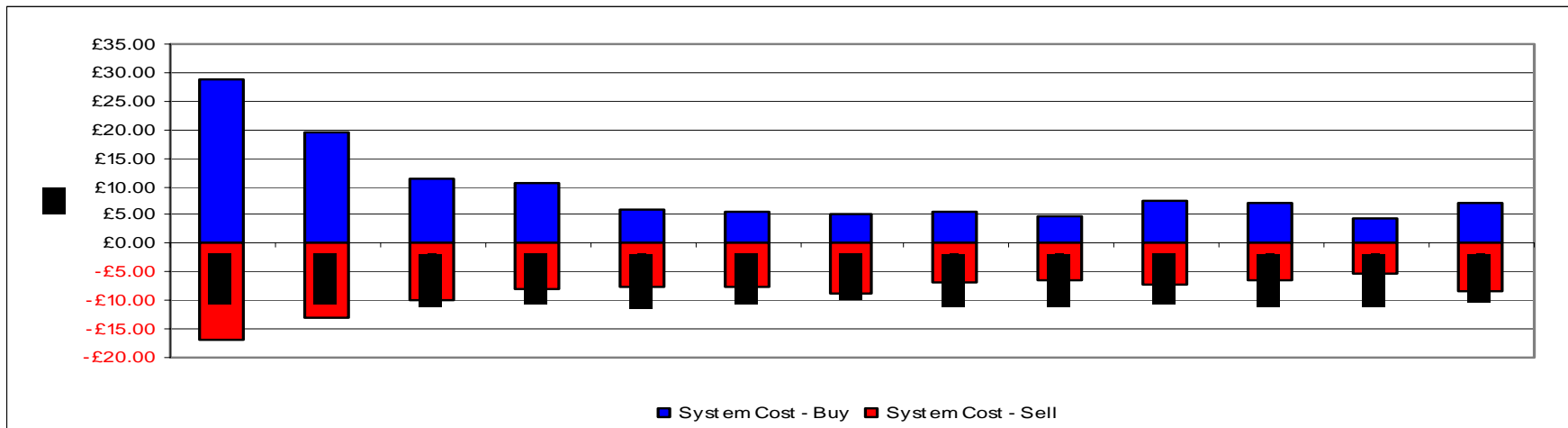


Imbalance Gas

Revenues / Costs

From 01-October-2009 to 31-December-2009

System	Quantity (TWh)	Average Price (p/KWh)	Average Price (p/therm)	Cost £m
System Buy	2.96	0.8813	25.82	£26.07
System Sell	-2.50	0.9507	27.85	-£23.75
Net Position	0.46 Buy			£2.32



Scheduling Revenues

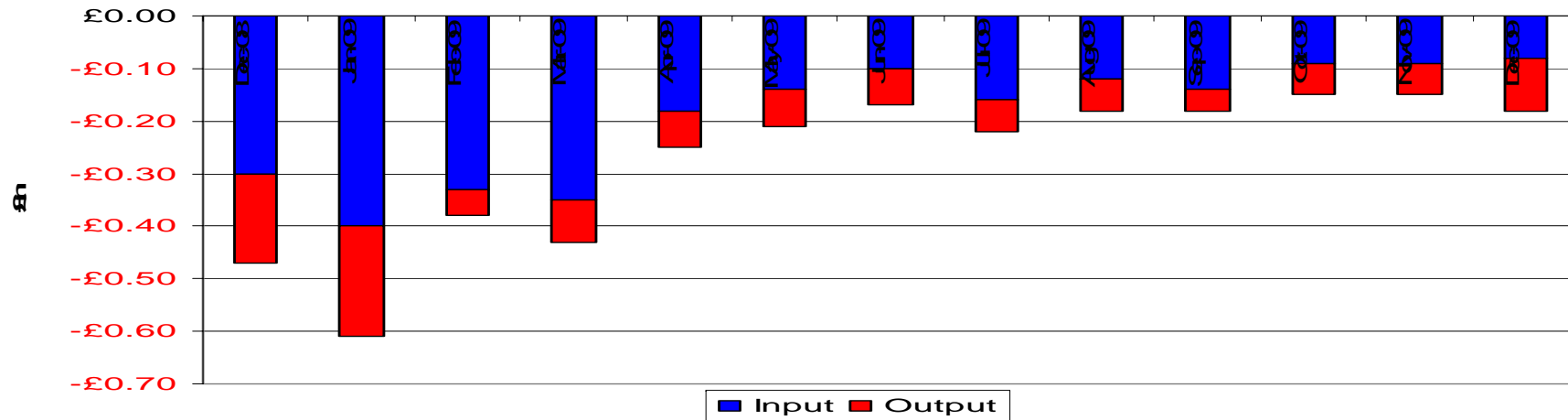
From 01-October-2009 to 31-December-2009

Cost £m

Input -£0.26

Output -£0.22

Total -£0.48

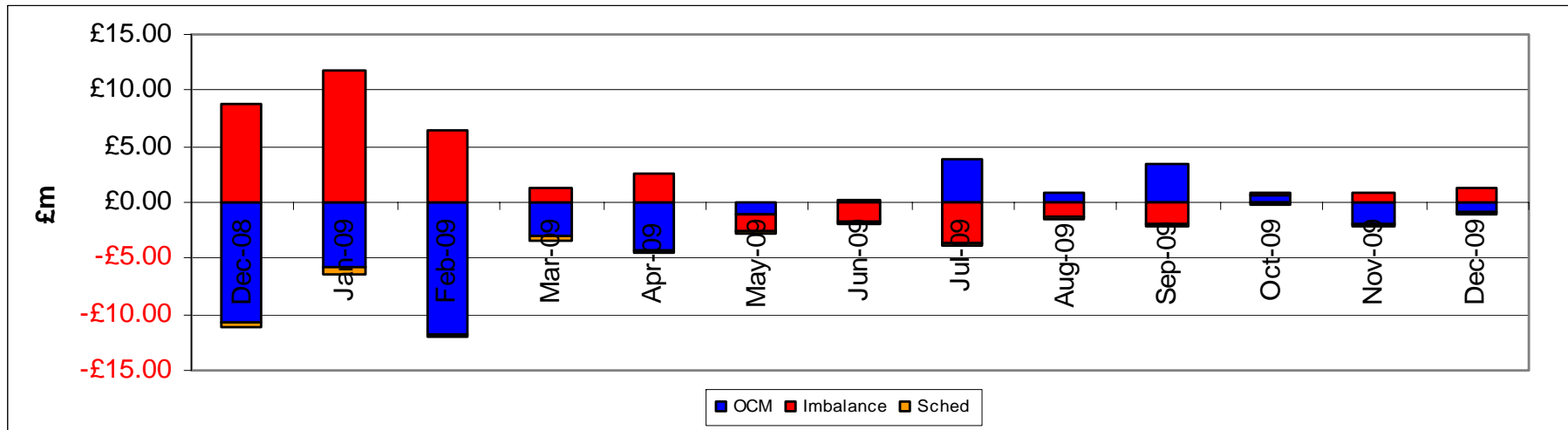


Balancing Costs

From 01-October-2009 to 31-December-2009

	£m
OCM	-2.22
Imbalance Charge	2.32
Scheduling Charge	-0.48
<hr/>	
Balancing Cost	-0.38

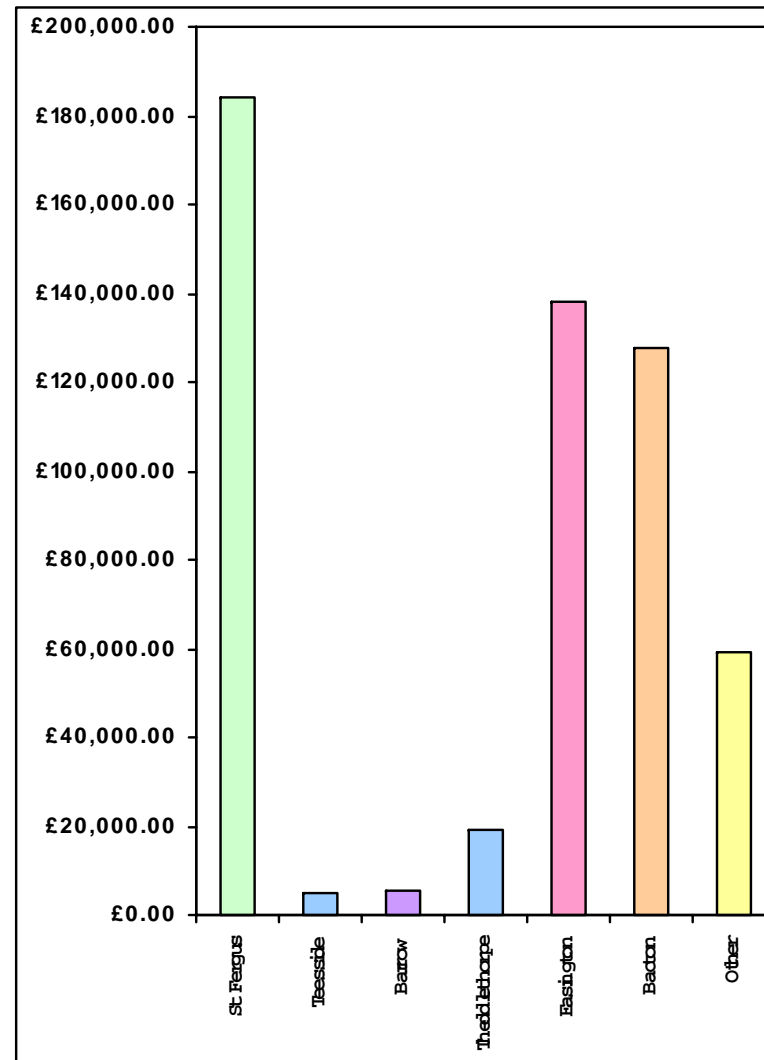
(0.0001p/KWh or 0.0034p/Therm of Throughput)



Capacity Neutrality – Revenues From DSEC & DAI

From 01 April 2009 to 31 December 2009

ASEP	Revenue
St Fergus	£184,230.13
Teesside	£4,886.19
Barrow	£5,428.50
Theddlethorpe	£19,301.02
Easington	£138,027.09
Bacton	£127,772.07
Other	£59,114.78
TOTAL	£538,759.77



Capacity Neutrality – Prompt Buy Backs

From 01 April 2009 to 31 December 2009

ASEP	Cost	No.of days	Volume (kWh)
St Fergus	£0	0	0
Teesside	£0	0	0
Barrow	£0	0	0
Theddlethorpe	£0	0	0
Easington	£0	0	0
Bacton	£0	0	0
TOTAL	£0	0	0

Capacity Neutrality – Revenues From Overruns

From 01 April 2009 to 31 December 2009

Month	Revenue
April 2009	-£31,271.01
May 2009	-£154,266.59
June 2009	-£4,201.89
July 2009	-£345,143.81
August 2009	-£176,913.79
September 2009	-£2,992.58
October 2009	-£1,181.58
November 2009	-£94,389.80
December 2009	-£143.13
Total	-£810,504.18

Capacity Neutrality – Capacity Management Agreement (including RMTTSEC)

From 01 April 2009 to 31 December 2009

Month	Cost
April 2009	£11,589.17
May 2009	£0.00
June 2009	£21,492.00
July 2009	£0.00
August 2009	£0.00
September 2009	£0.00
October 2009	£0.00
November 2009	£0.00
December 2009	£0.00
Total	£33,081.17

Capacity Neutrality – Net Cost/Revenue

From 01 April 2009 to 31 December 2009

DSEC/DAI Revenue	-£538,759.77
Buy back costs	+£0.00
Capacity Management Agreement	+£33,081.17
Overrun Revenue	-£810,504.18
Net Revenue	-£1,316,182.78

April Maintenance & Capacity Expansion Programme



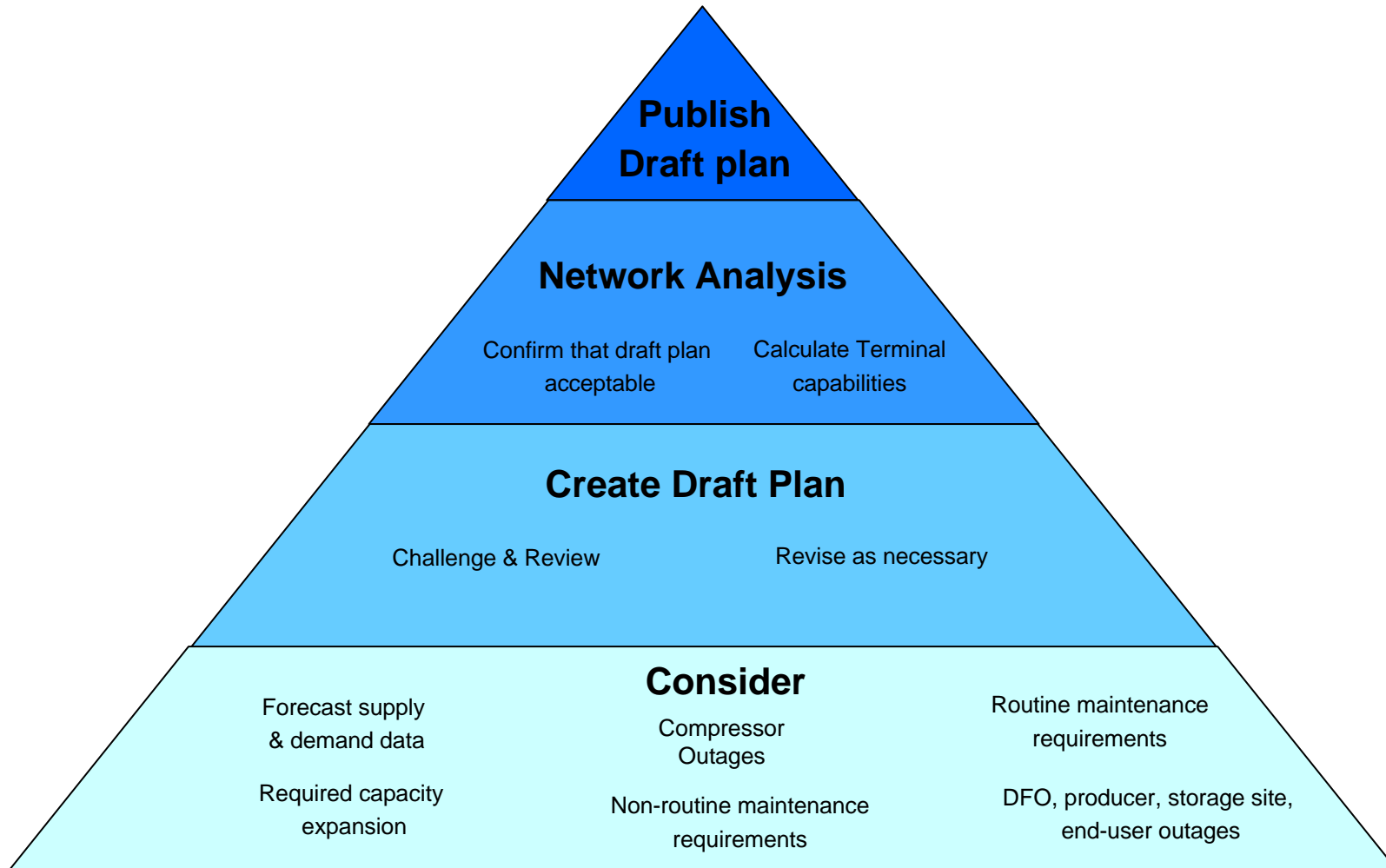
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Graham.harvey@uk.ngrid.com

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Content

- ◆ Maintenance planning process
- ◆ Summary of planned maintenance
- ◆ ASEP capability
- ◆ NTS system exit points

Maintenance Planning Process



Maintenance Planning Process – Key Dates

Date	National Grid NTS	Shippers
30 th Nov		Provide end-user maintenance periods
1 st Feb	Publish Draft Summer Maintenance Programme	
1 st Mar	Hold Annual Maintenance Meetings	
1 st Apr	Publish Final Summer Maintenance Programme	
30 th June		Provide end-user maintenance periods
1 st Sep	Publish Draft Winter Maintenance Programme	
1 st Oct	Publish Final Winter Maintenance Programme	

Summary of planned maintenance

- ◆ Compressors
 - ◆ Routine maintenance will be carried out across fleet
- ◆ On line Inspections
 - ◆ 27 NTS pipelines to be inspected during 2010
- ◆ Pipeline work
 - ◆ 7 pipelines require a shutdown
- ◆ Valves
 - ◆ Routine maintenance will be carried out across NTS

ASEP Capability

	April	May	June	July	August	September
St Fergus	No impact	118 (1298)	No impact	115 (1265)	No impact	No impact
Teesside	No impact	No impact	No impact	No impact	No impact	No impact
Barrow	No impact	No impact	No impact	No impact	No impact	No impact
Easington	116 (1276)	111 (1221)	106 (1166)	106 (1166)	98 (1078)	111 (1221)
Theddlethorpe	56 (616)	54 (594)	52 (572)	52 (572)	52 (572)	54 (594)
Bacton	No impact	No impact	91 (1001)	91 (1001)	No impact	90 (990)
Isle of Grain	No impact	No impact	29 (319)	No impact	No impact	No impact
Milford Haven	48 (528)	55 (605)	45 (495)	No impact	No impact	No impact

NTS System Exit Points

- ◆ Some disruption to end users associated with planned maintenance
- ◆ Maintenance day notifications have been issued
- ◆ Changes or additions to the requested maintenance days will be issued to all relevant parties as per the timescales detailed in the UNC