

System Management Principles Statement



- Compliance report
- Summary of balancing actions and breaches
- Performance compared to last year

Summary Report

	Oct-13	Nov-13
Total Number of Buy Actions	14	22
Total Number of Sell Actions	23	14
Total	37	36

	Oct-13	Nov-13
Number of Material Breaches	0	0
Number of Non-Material Breaches	0	0

	Nov-13	Nov-12
Number of Balancing Actions (Calendar year to date)	366	360
Number of Material Breaches (Calendar year to date)	0	0
Number of Non-Material Breaches (Calendar year to date)	0	0

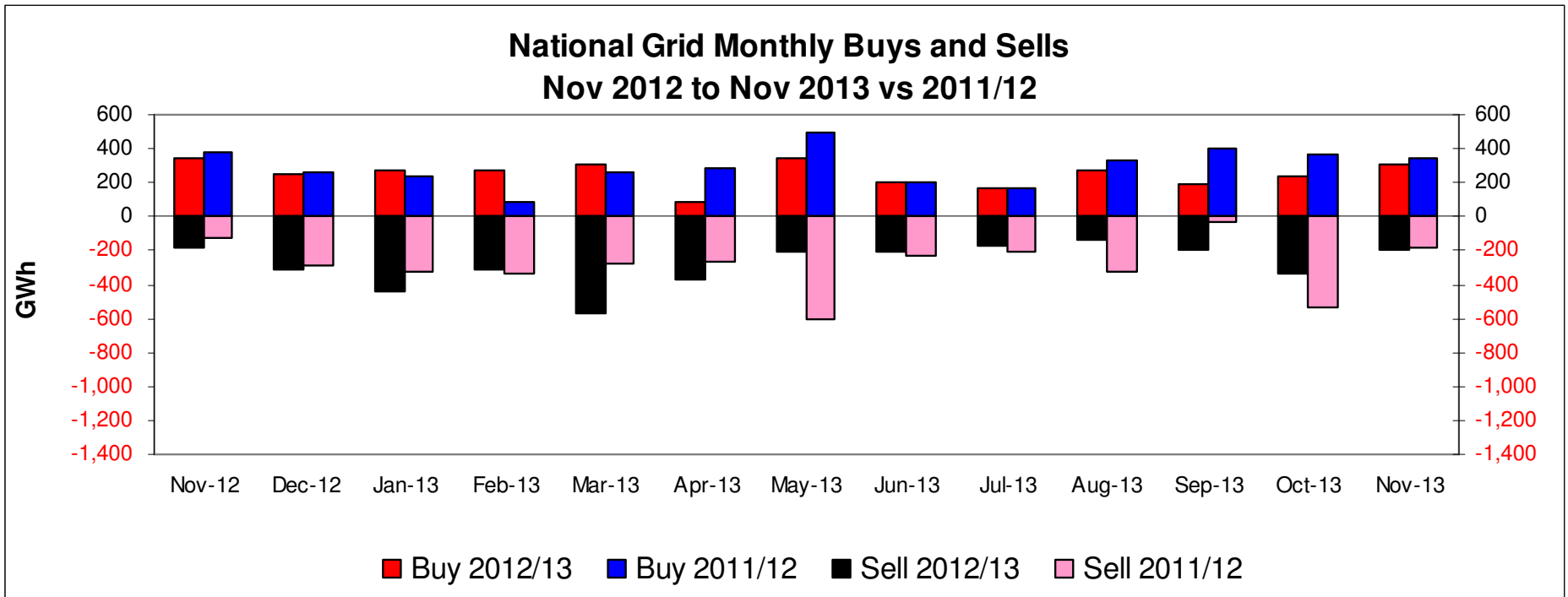
Transporter Actions and Neutrality



- Energy Balancing
- Capacity

Transporter Energy Traded on the OCM

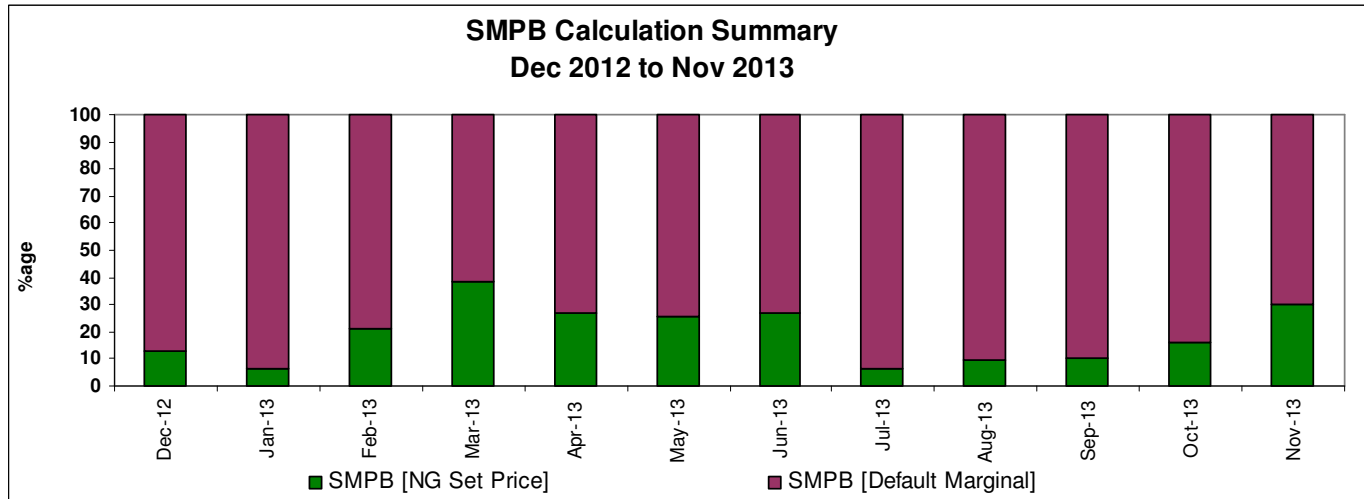
November 2012 to November 2013



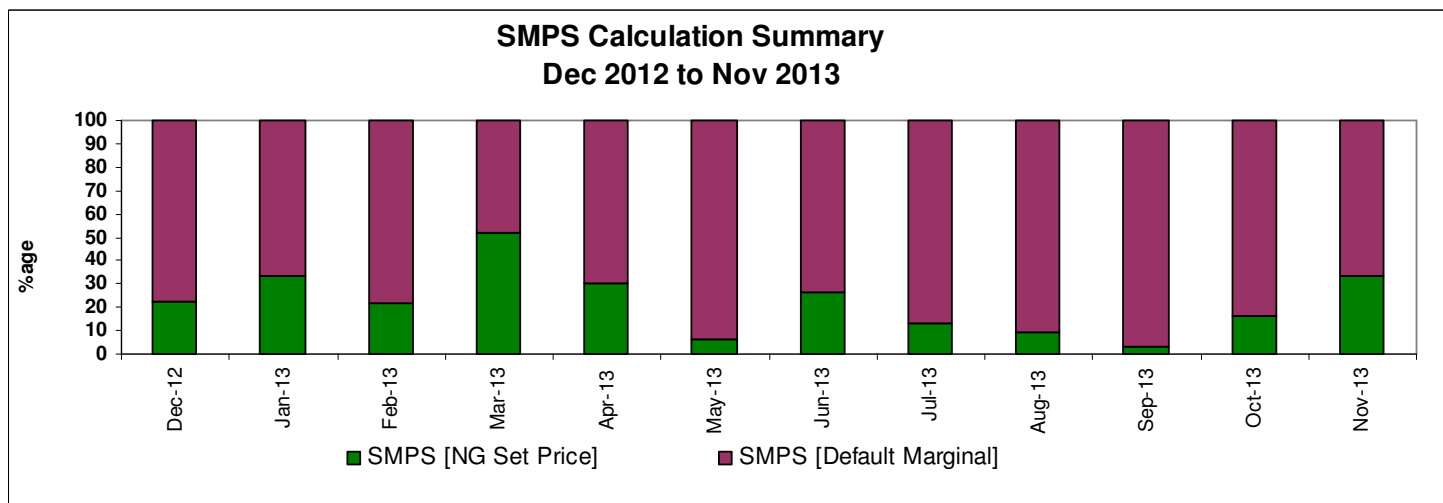
Year	Buy [GWh]	Sell [GWh]
2013 [YTD]	2667	-3150
2012	3405	-3624

Days of Default SMP Prices

From December 2012 to November 2013



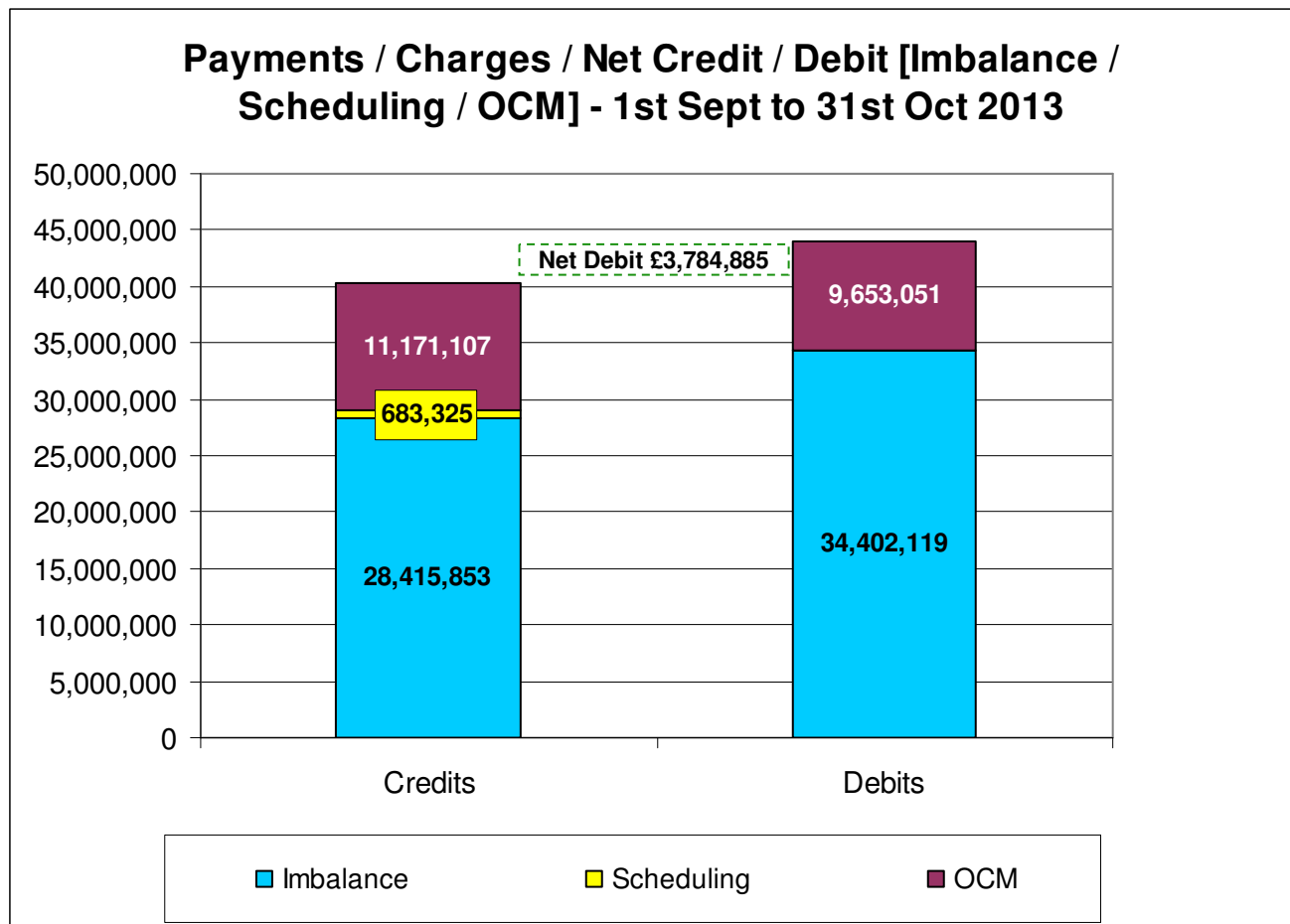
Month	SMPB	SMPS	Both
Nov 13	70%	67%	63%



Energy Balancing – Balancing Costs

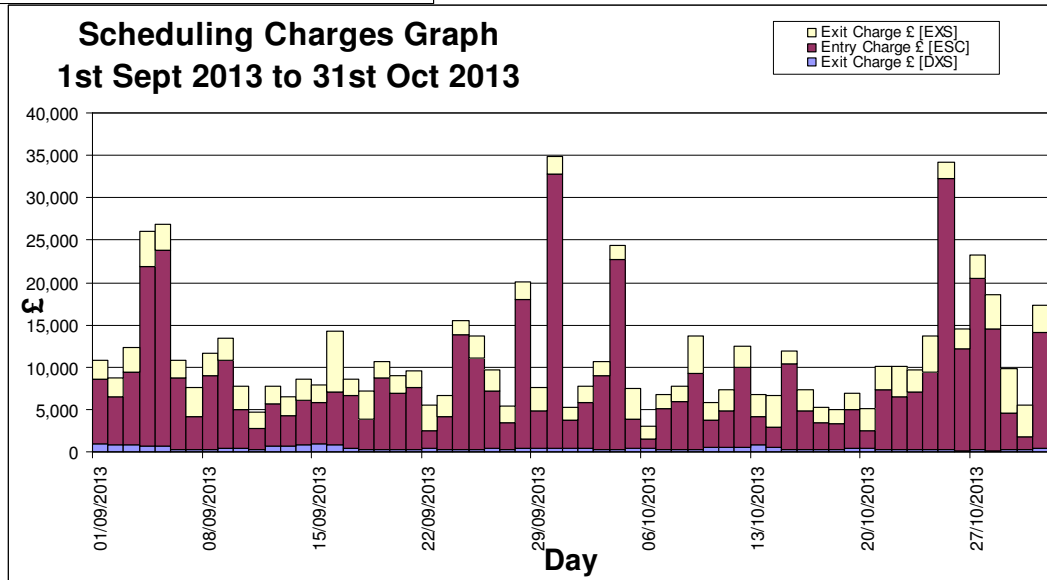
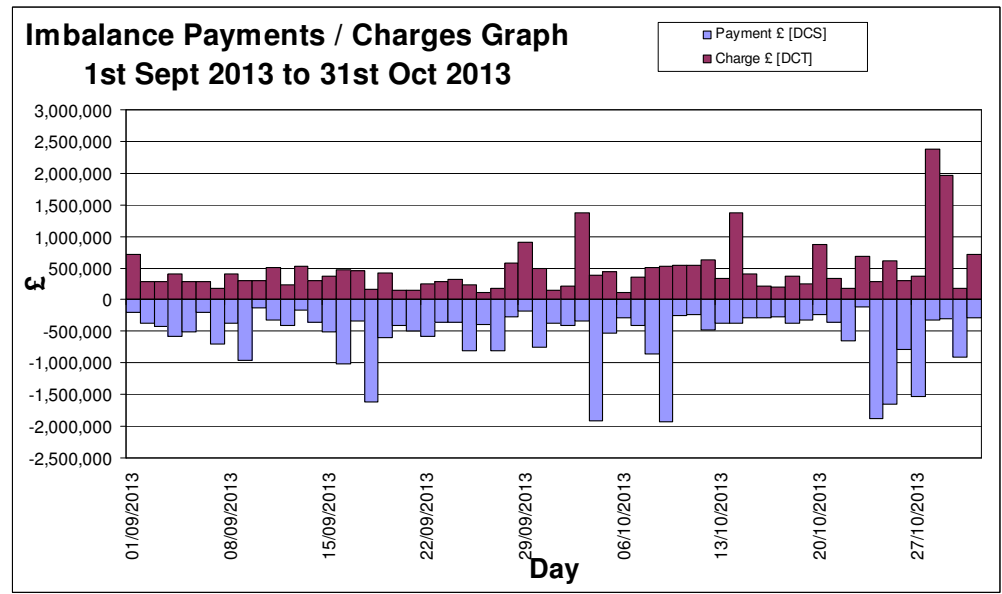
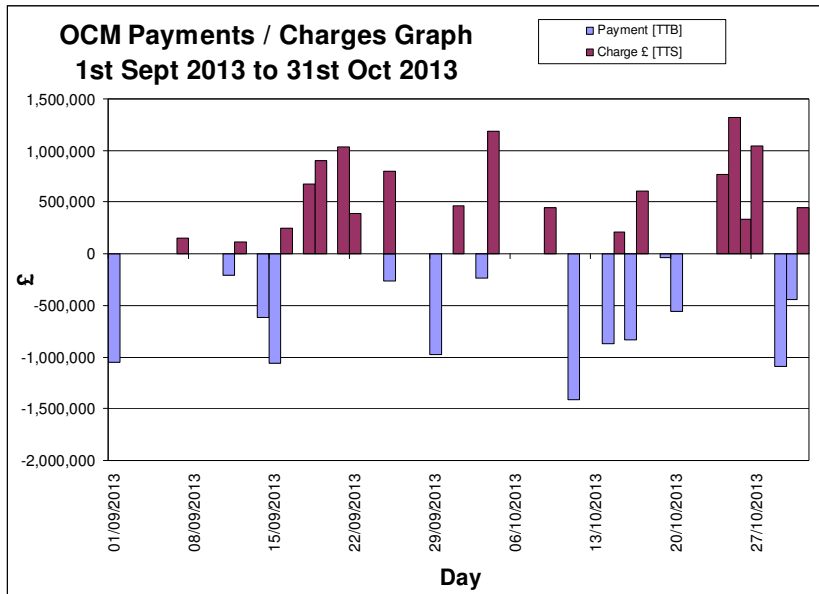
Sept - Oct 2013

Month	Imbalance		Scheduling			OCM		Balancing Costs
	Payment £ [DCS]	Charge £ [DCT]	Exit Charge £ [DXS]	Exit Charge £ [EXS]	Entry Charge £ [ESC]	Payment £ [TTB]	Charge £ [TTS]	Net £
Sep-13	-15,123,982	10,576,933	14,661	77,891	256,767	-4,173,917	4,322,187	-4,049,660
Oct-13	-19,278,137	17,838,919	10,836	81,899	241,471	-5,479,133	6,848,920	264,776



Energy Balancing – Balancing Costs

Sep - Oct 2013



Capacity Neutrality

Net Cost / Revenue From 1st April 2013 to 31st October 2013

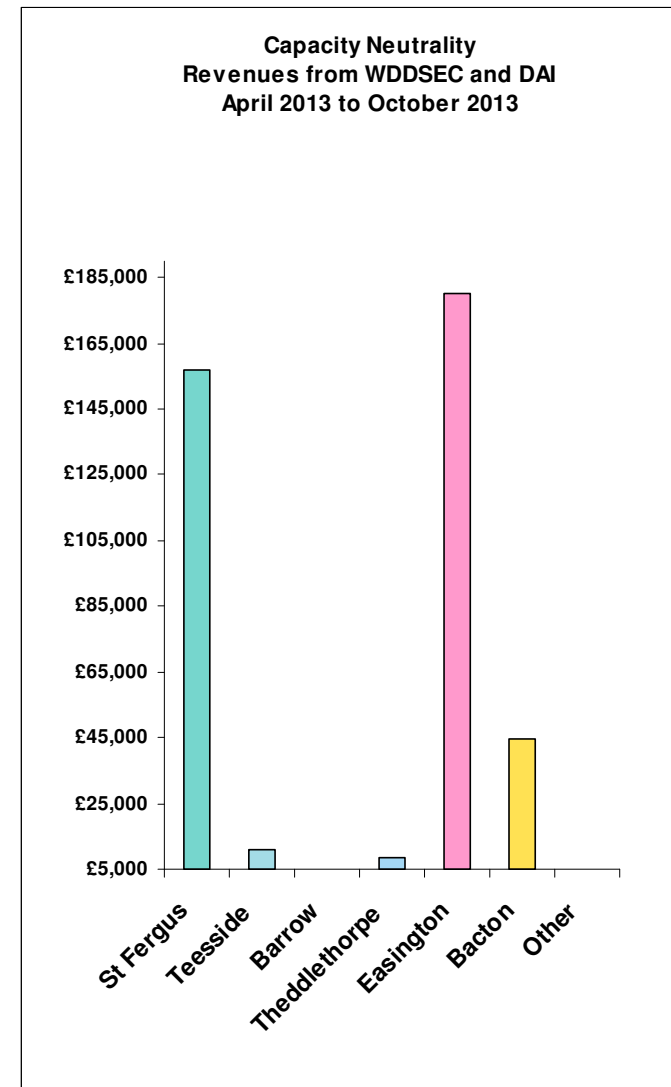
	Revenue/Costs
WDDSEC/DAI Entry Capacity Revenue	-£401,252
Total Entry Constraint Management Operational Costs	£0
Entry Capacity Overrun Revenue (As at September 13)	-£80,220
Non-Obligated Sales Revenue (Entry only)	-£28,930
Revenue from Locational Sells and PRI Charges	£0
Net Revenue	-£510,402

Capacity Neutrality

Revenues from WDDSEC and DAI

From 1st April 2013 to 31st October 2013

ST FERGUS	-£157,052
TEESSIDE	-£10,755
BARROW	£0
THEDDLETHORPE	-£8,599
EASINGTON	-£180,096
BACTON	-£44,745
OTHER	-£5
Net Revenue	-£401,252



Capacity Neutrality

Revenues from Entry Cap Overruns and Non-Obligated Sales,
and Locational Sells and PRI Charges.

Totals From 1st April 2013 to 31st October 2013



Month	Entry Cap Overrun Revenue	Non-obligated sales revenue (entry)
Apr-13	-£4,972	-£175
May-13	-£7,376	-
Jun-13	-£33,996	-
Jul-13	-£16,257	-
Aug-13	-£6,080	-
Sep-13	-£11,538	-
Oct-13	NOT YET AVAILABLE	-£28,755
Nov-13	-	-
Dec-13	-	-
Jan-14	-	-
Feb-14	-	-
Mar-14	-	-
Total	-£80,220 (FY13-14)	-£28,930 (FY13-14)

Month	Locational Sells and PRI charges revenue
Apr-13	£0
May-13	£0
Jun-13	£0
Jul-13	£0
Aug-13	£0
Sep-13	£0
Oct-13	£0
Nov-13	-
Dec-13	-
Jan-14	-
Feb-14	-
Mar-14	-
Total	£0 (FY13/14)

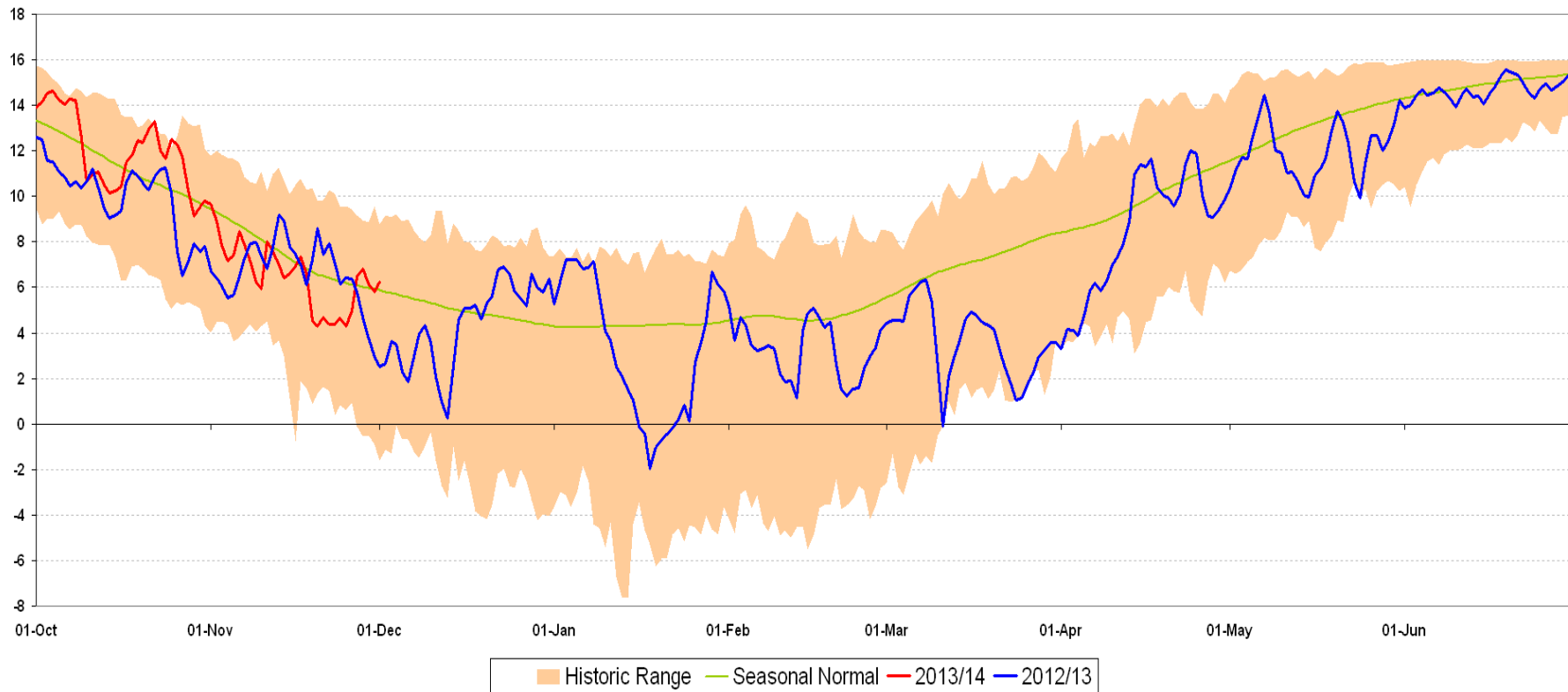
Operational Overview



National Composite Weather

October to Dec 2013 vs. Historical Range

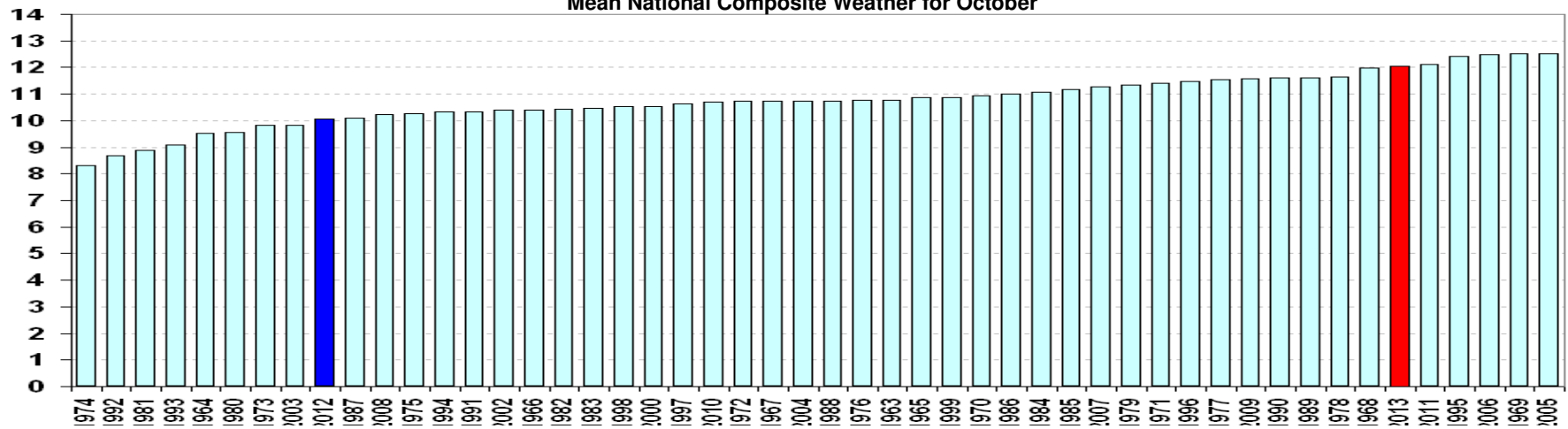
National Composite Weather
2013/14 compared to 2012/13 and historical range



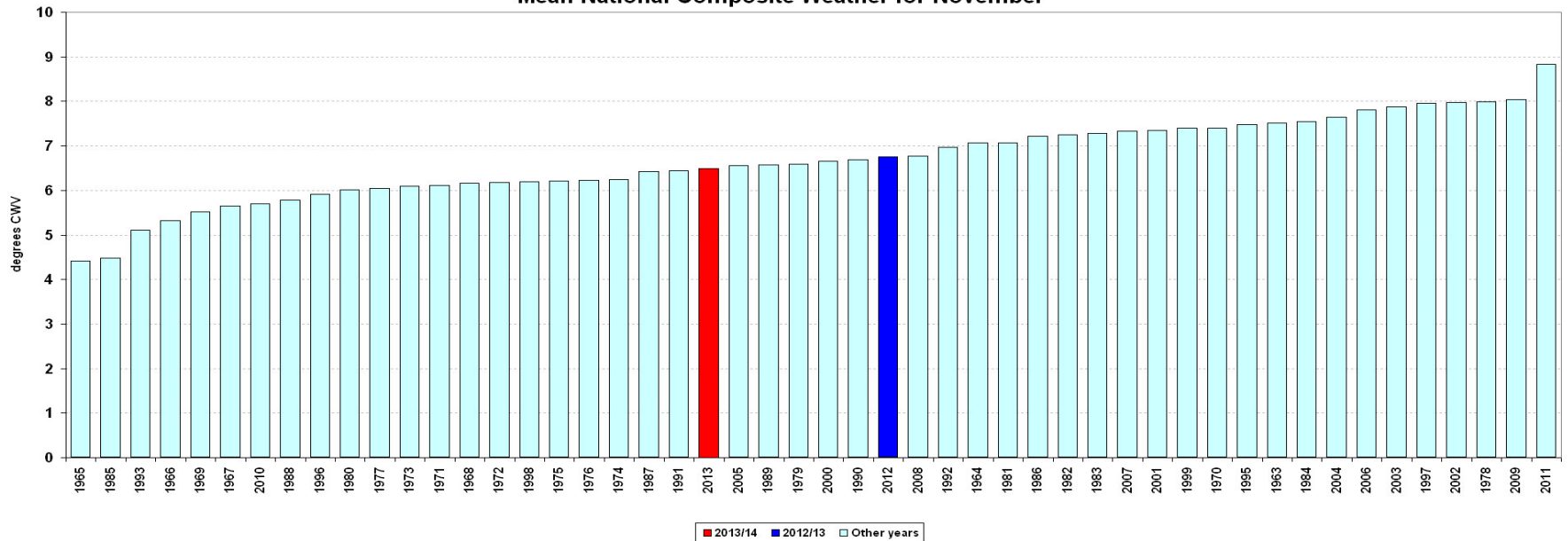
Mean Composite Weather Variables

October & November 2013 vs. Previous Yrs

Mean National Composite Weather for October



Mean National Composite Weather for November



■ 2013/14 ■ 2012/13 □ Other years

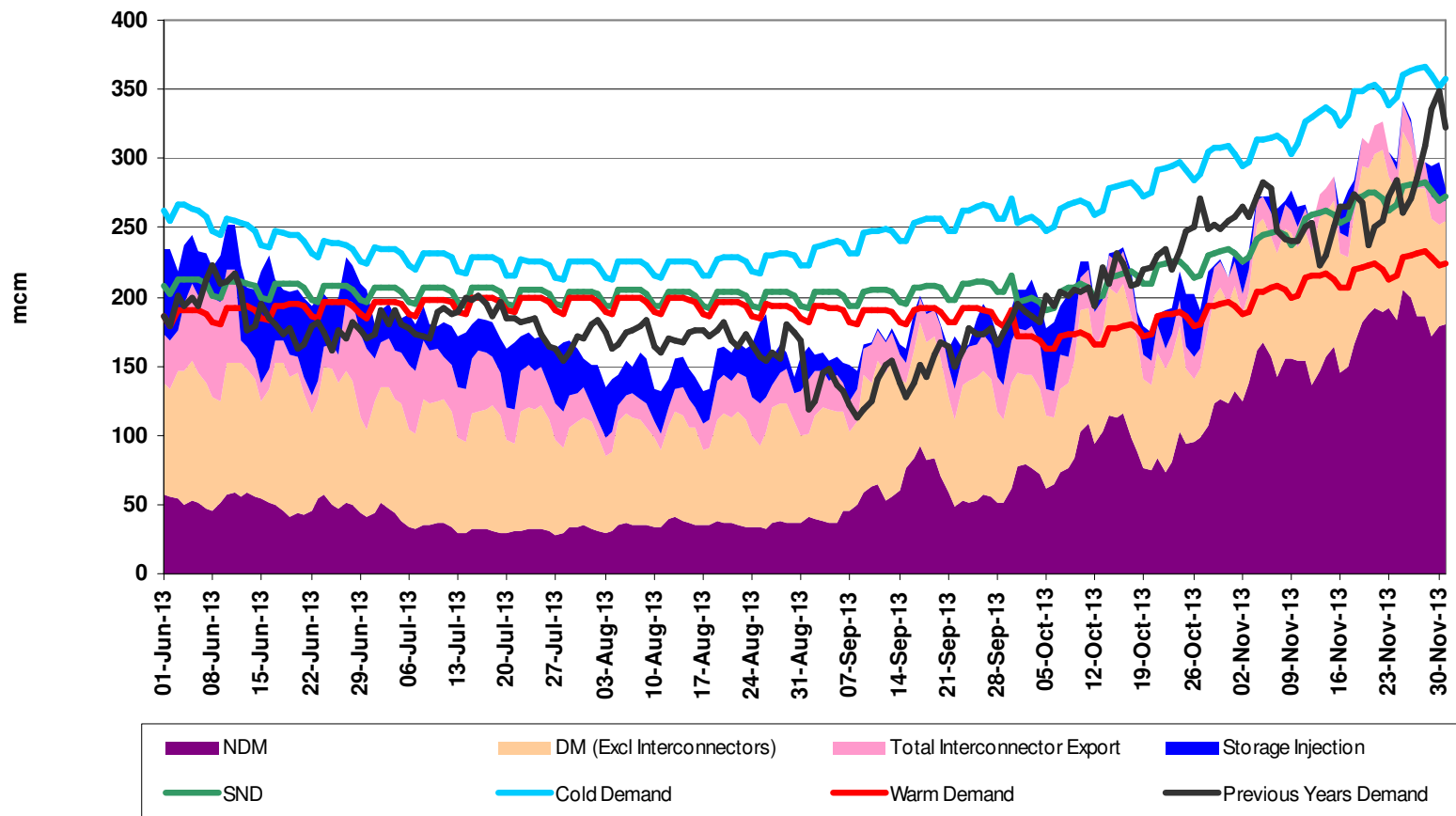
Demands



Gas Demand Breakdown

1st June 2013 to 1st Dec 2013 vs. 2012

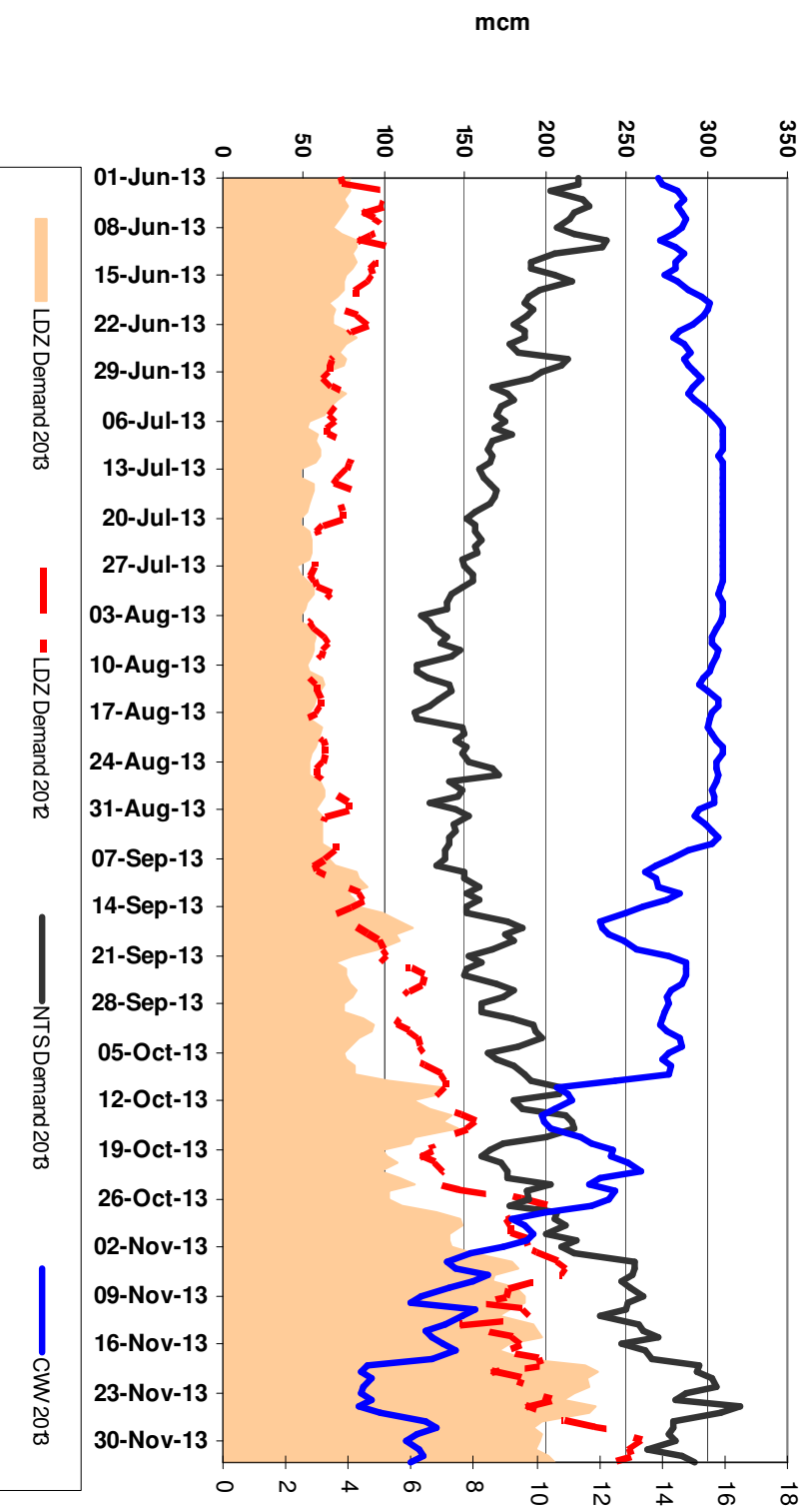
Gas Demand Breakdown
1st June 2013 to 1st December 2013 vs 2012



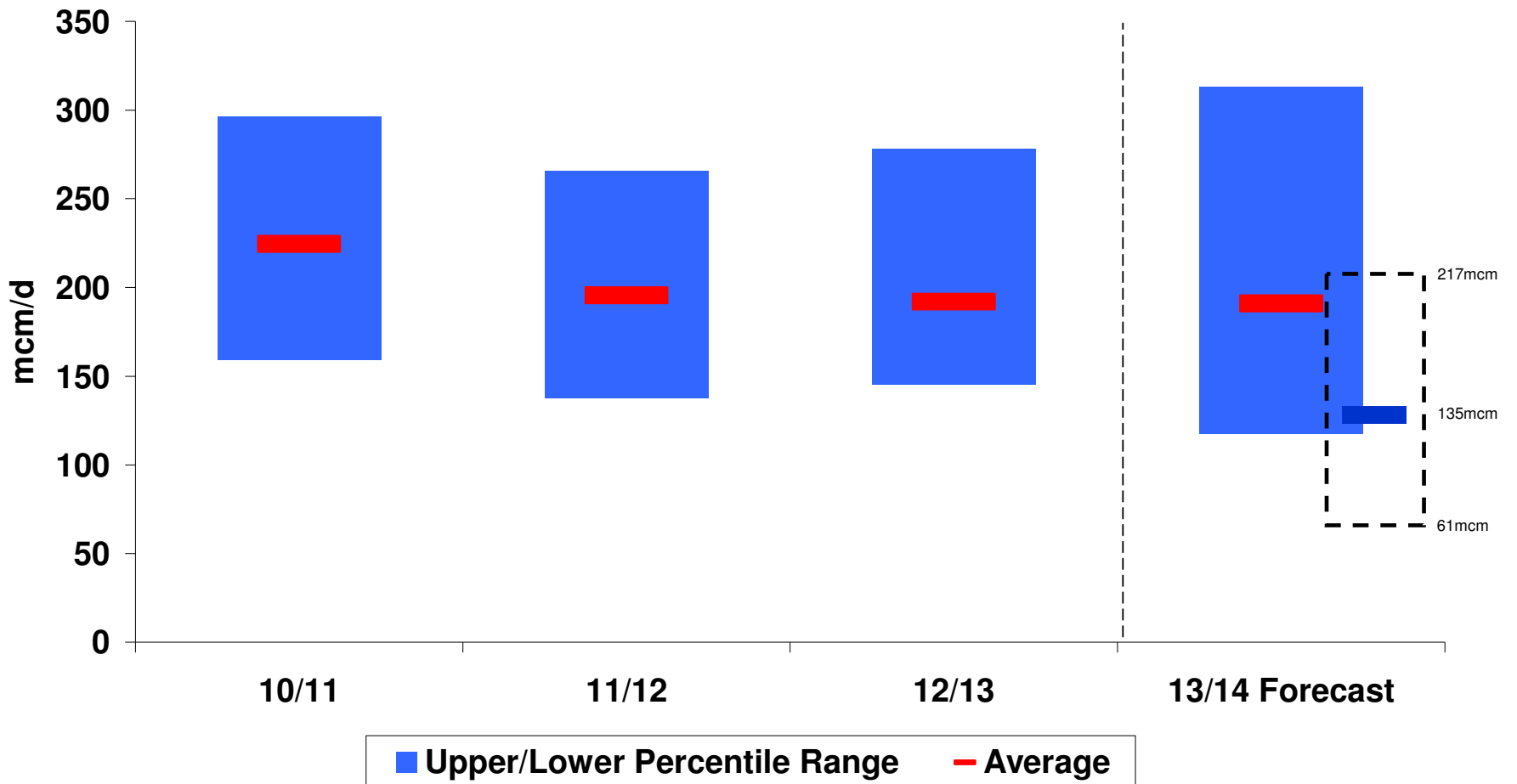
LDZ Demand

1st Oct 2013 to 3rd December 2013

Gas Demand Breakdown [LDZ 2013 vs 2012] vs NTS Demand / CWV's
1st June 2013 to 3rd December 2013



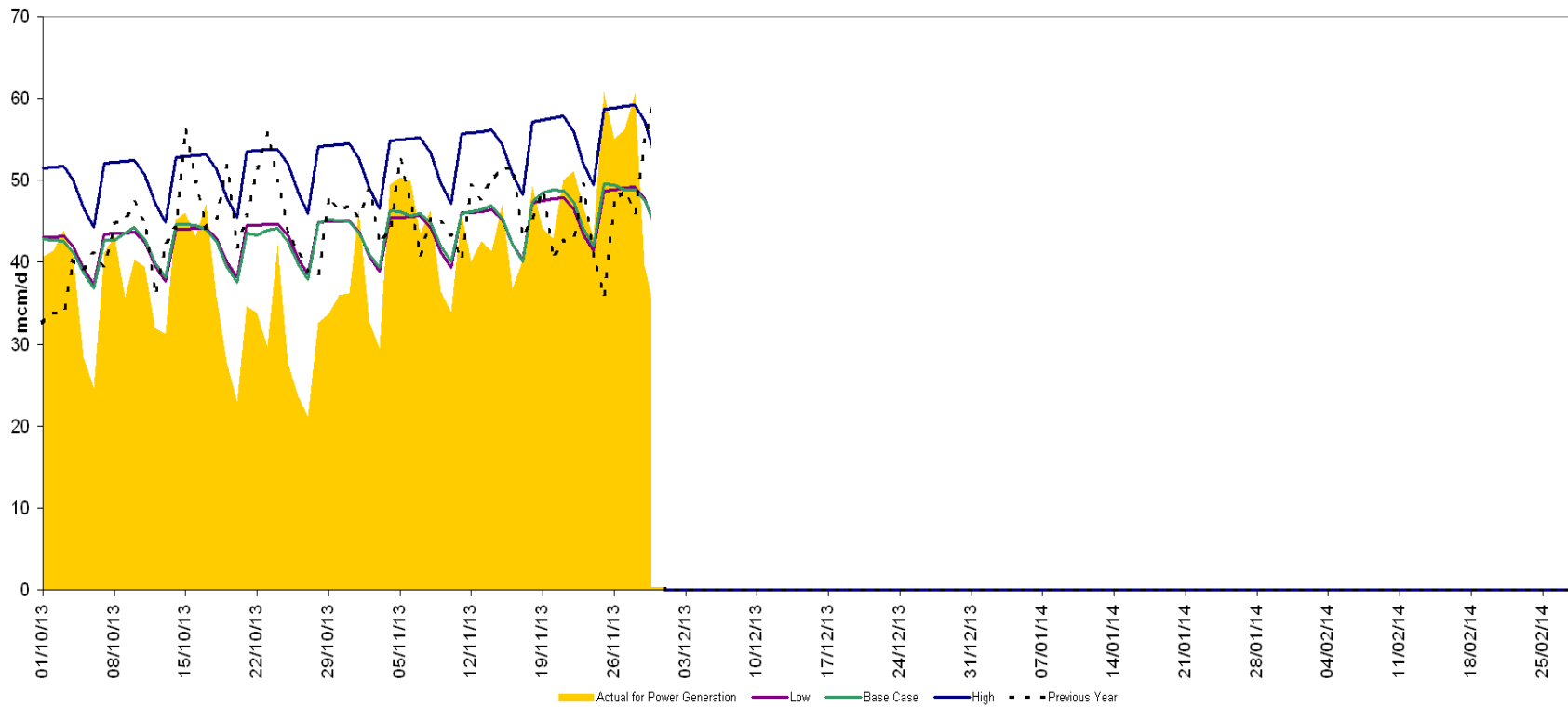
NDM Historic Demand and 2013/14 Forecast



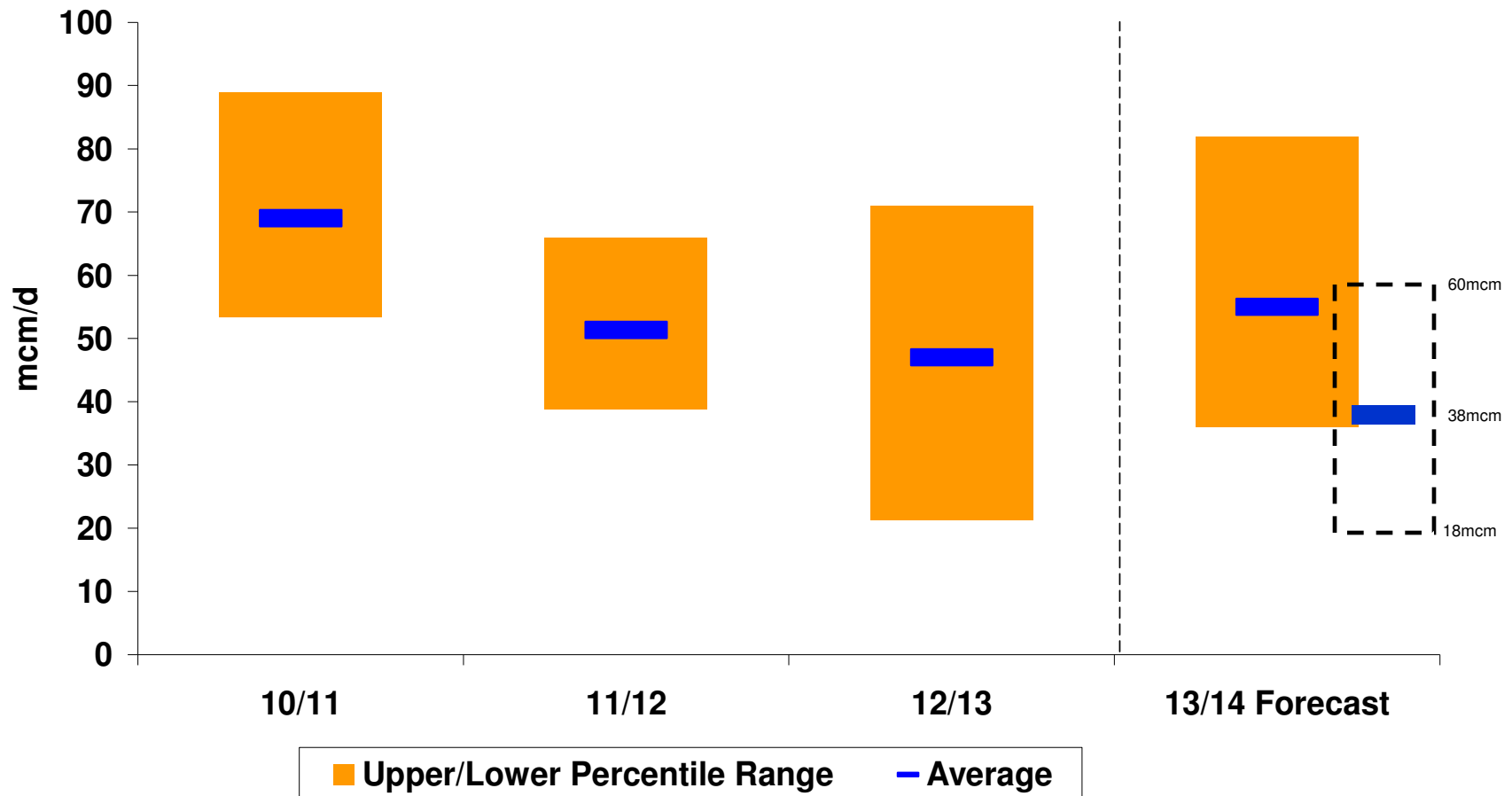
Power Generation

October 2013 to November 2013

Gas Consumption for Power Generation

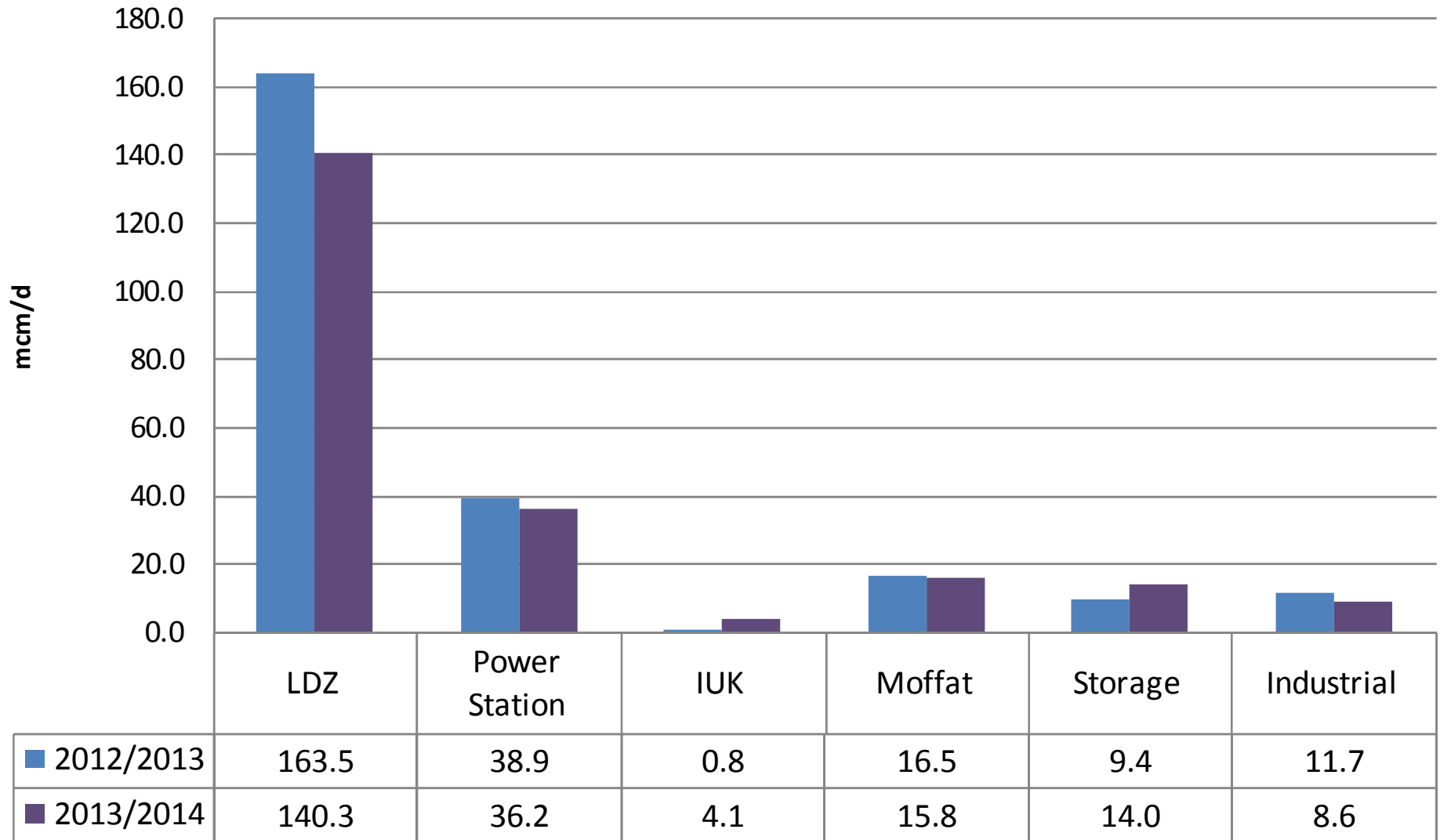


Historic Power Gen Demand & 2013/14 Forecast



Average Daily Demand by Type

October/November – 2012/13 vs. 2013/14



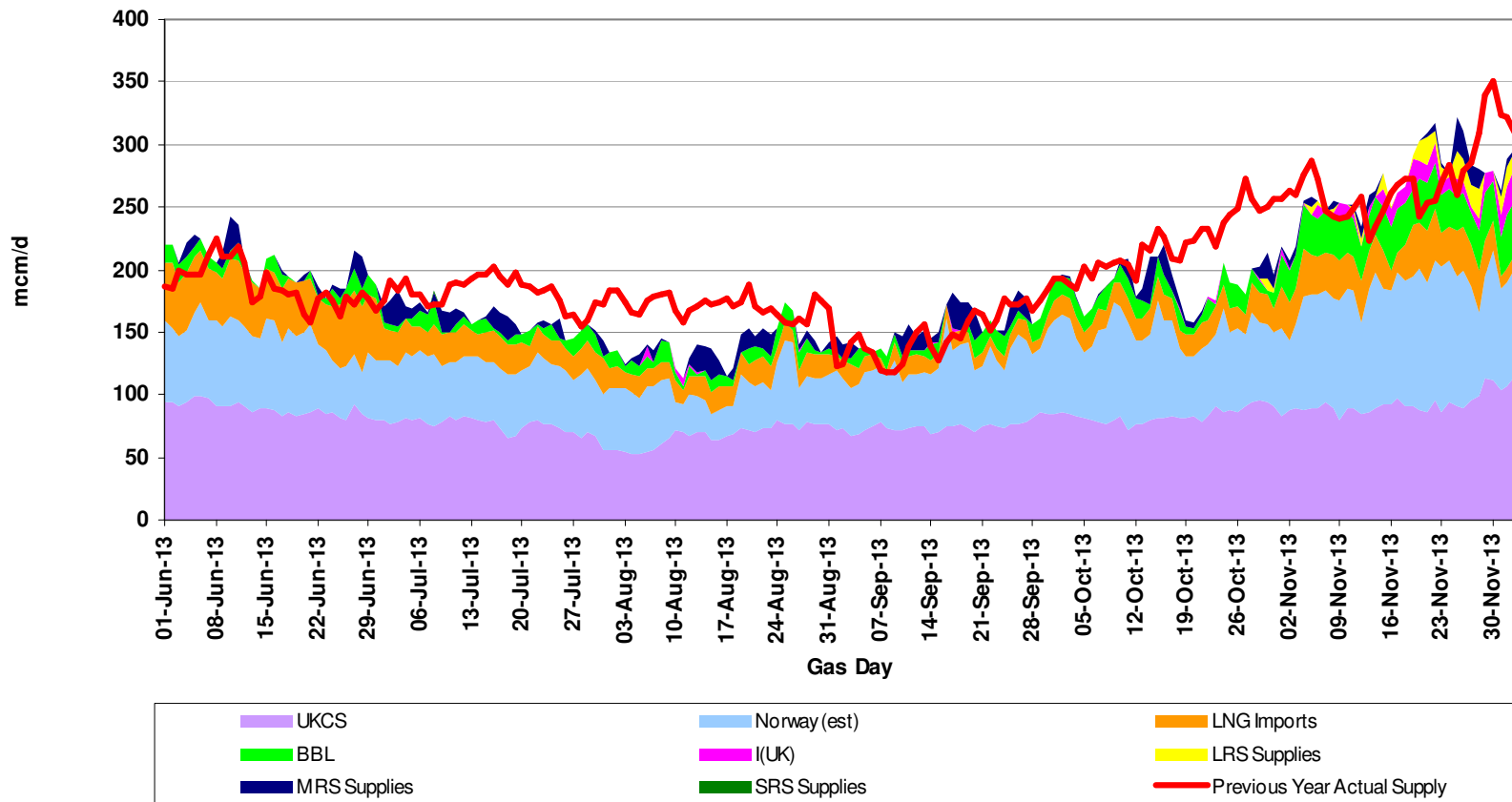
Supplies



Gas Supply Breakdown

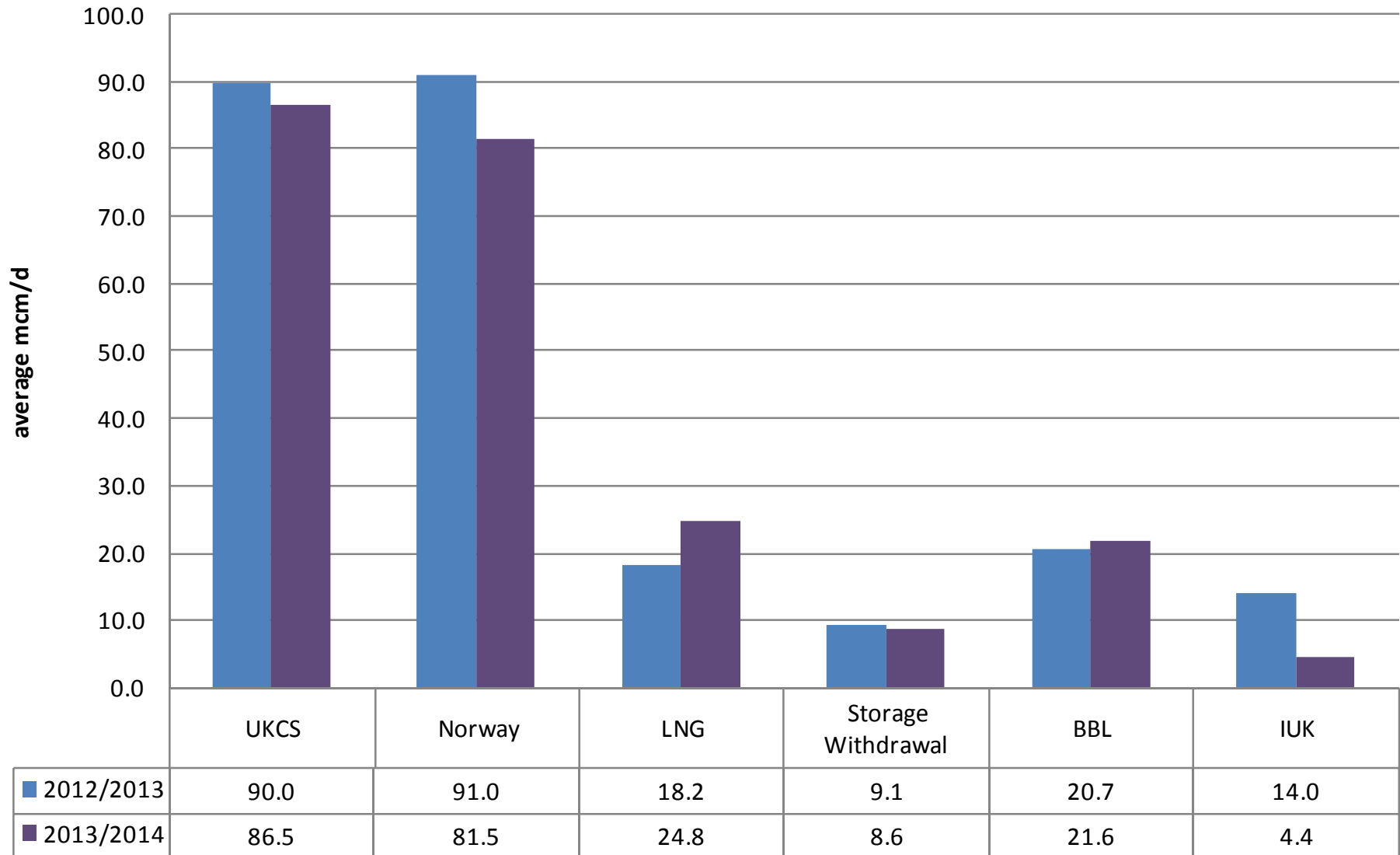
1st Oct 2013 to 3rd December 2013

Gas Supply Breakdown
1st October 2013 to 3rd December 2013 vs 2012



Average Daily Supply by Type

October/November – 2012/13 vs. 2013/14

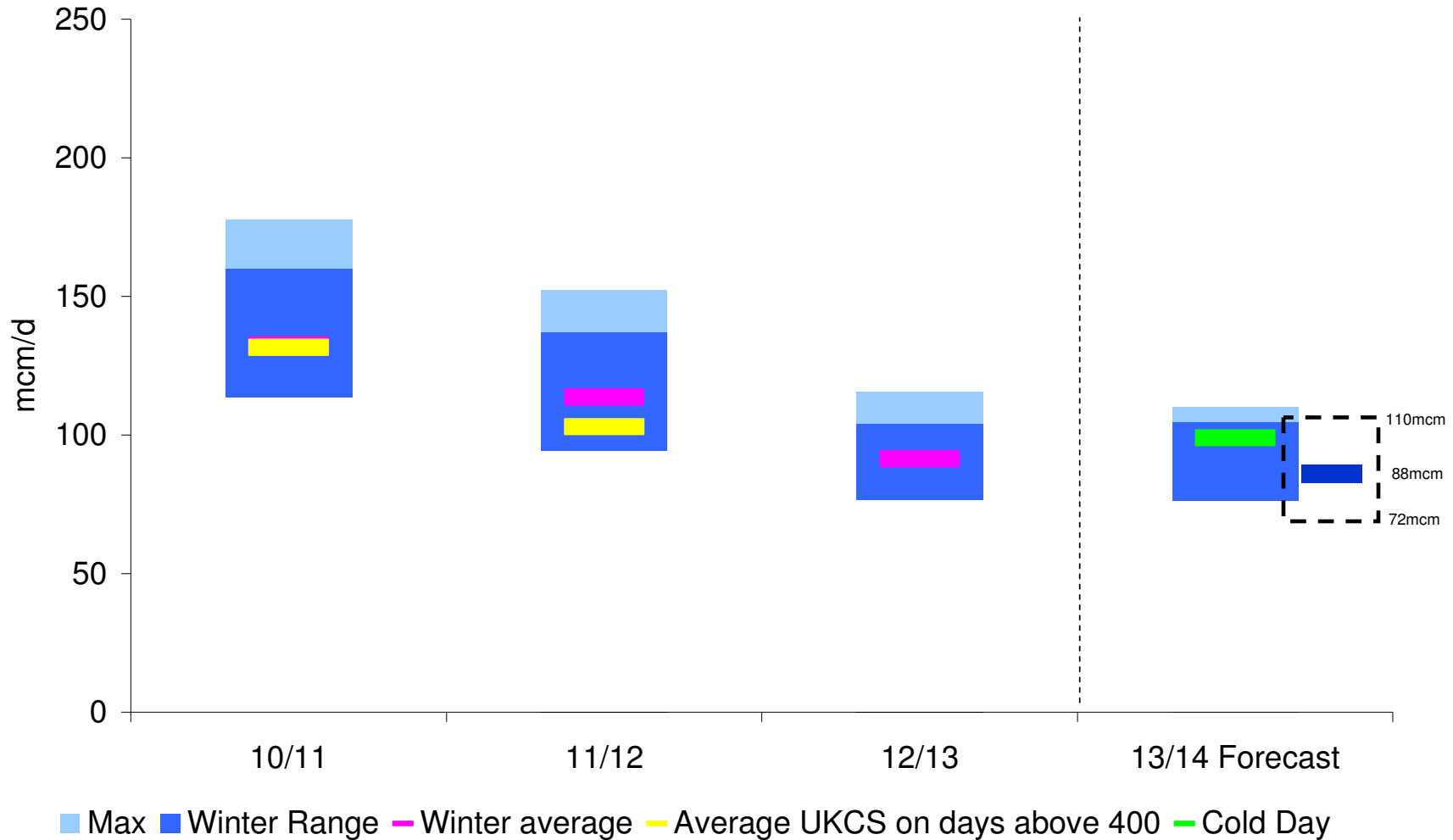


Average Supplies by Location

October/November 2013



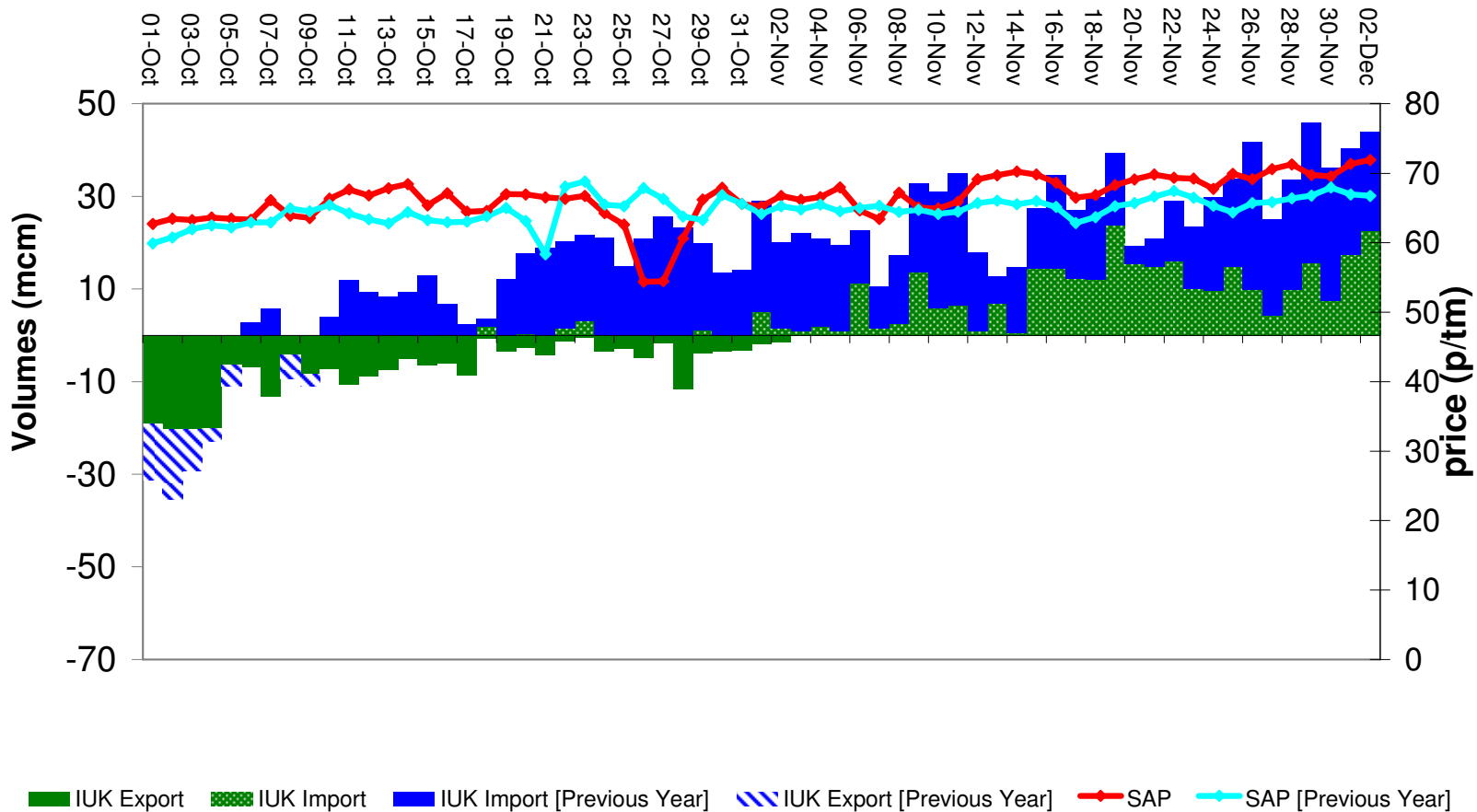
UKCS Historic Flows and 2013/14 Forecast



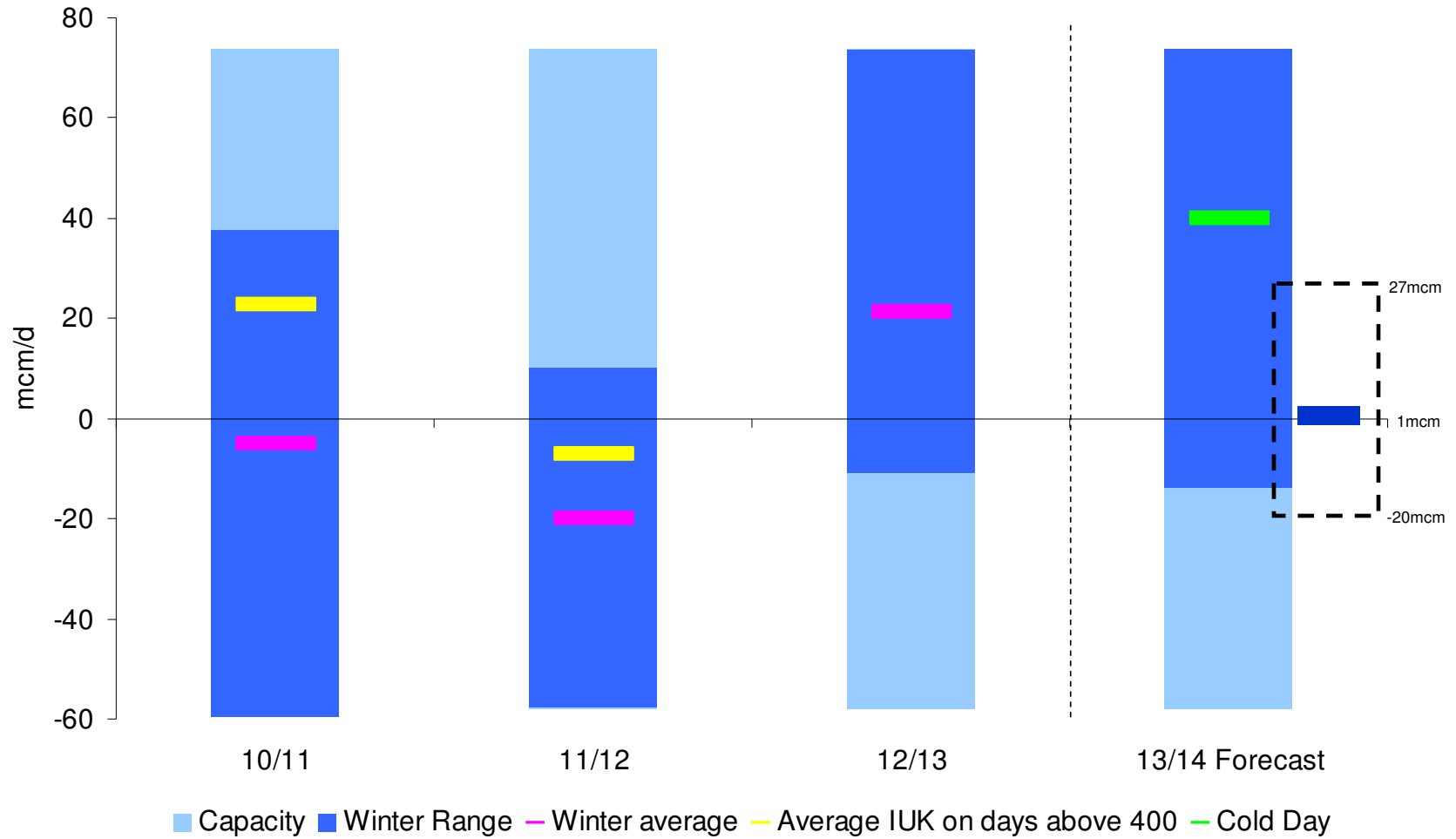
Gas Supply Breakdown – IUK

1st October 2013 to 2nd December 2013

IUK Export / Import volumes Oct - Dec 2013 vs Previous Year / SAP



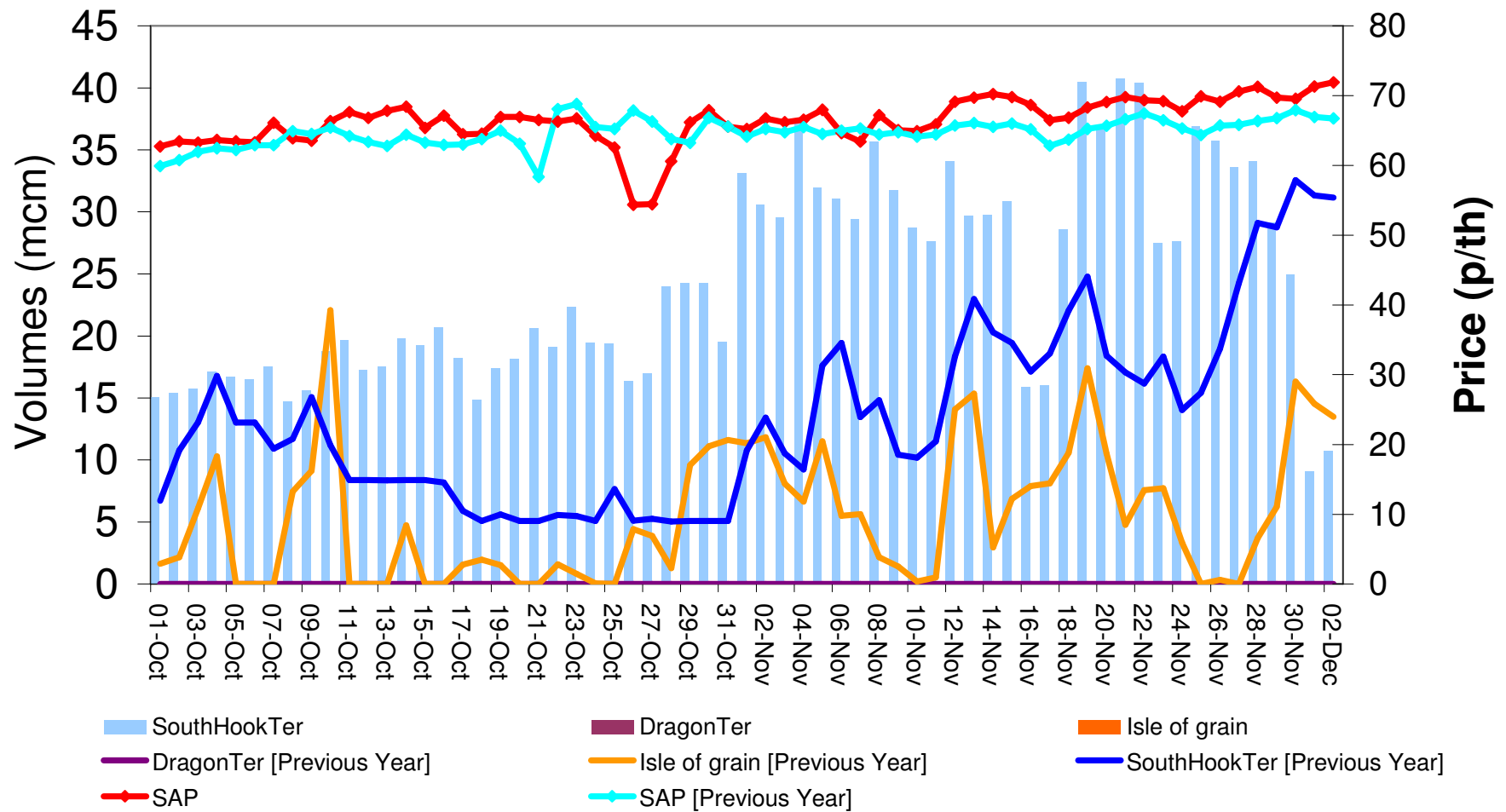
IUK Historic Flows & 2013/14 Forecast



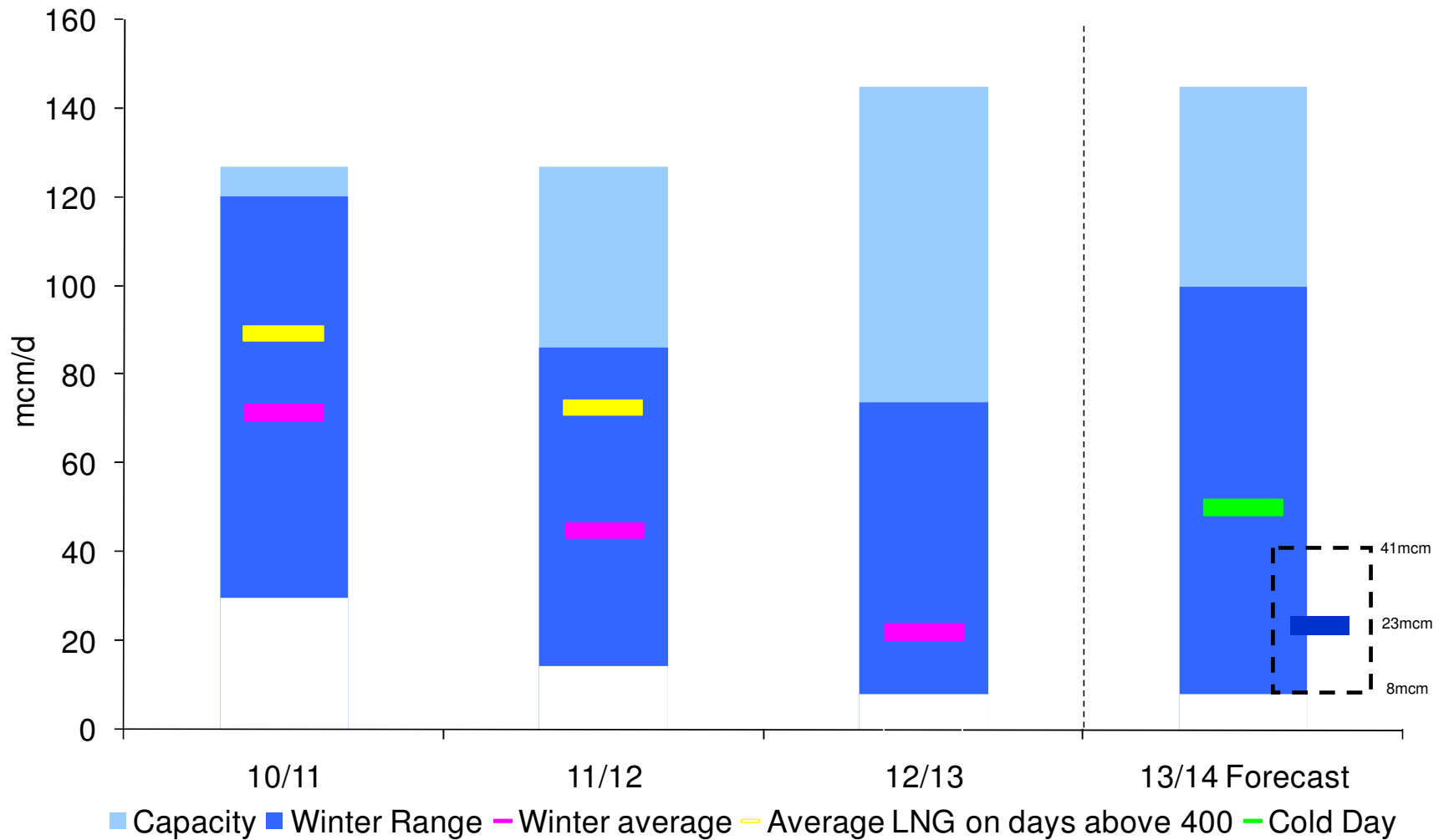
Gas Supply Breakdown – LNG

1st October 2013 to 2nd December 2013

LNG terminal flows Oct - Dec 2013 vs Previous Year / SAP

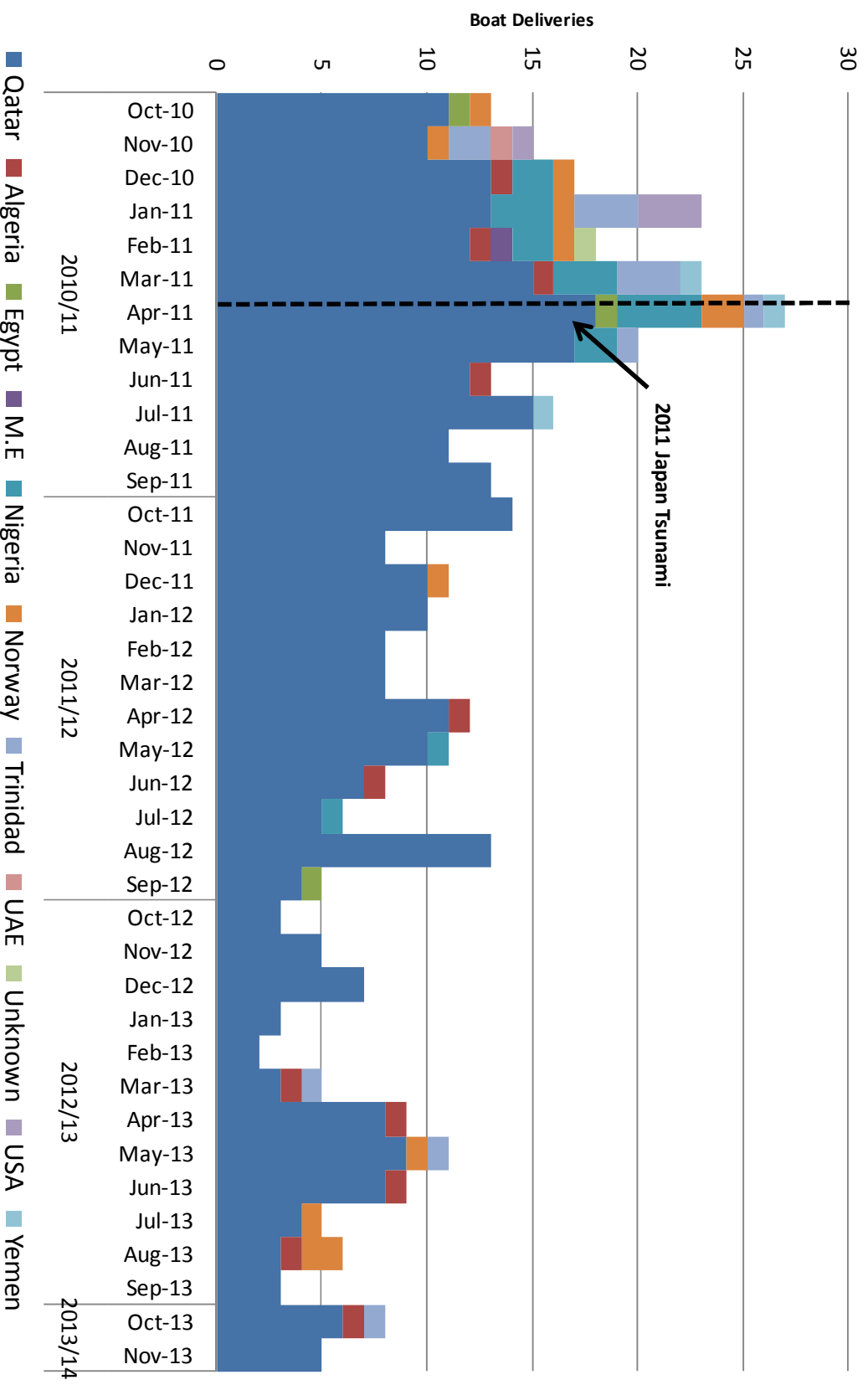


LNG Historic Flows and 2013/14 Forecast



Gas Supply Breakdown – LNG Deliveries

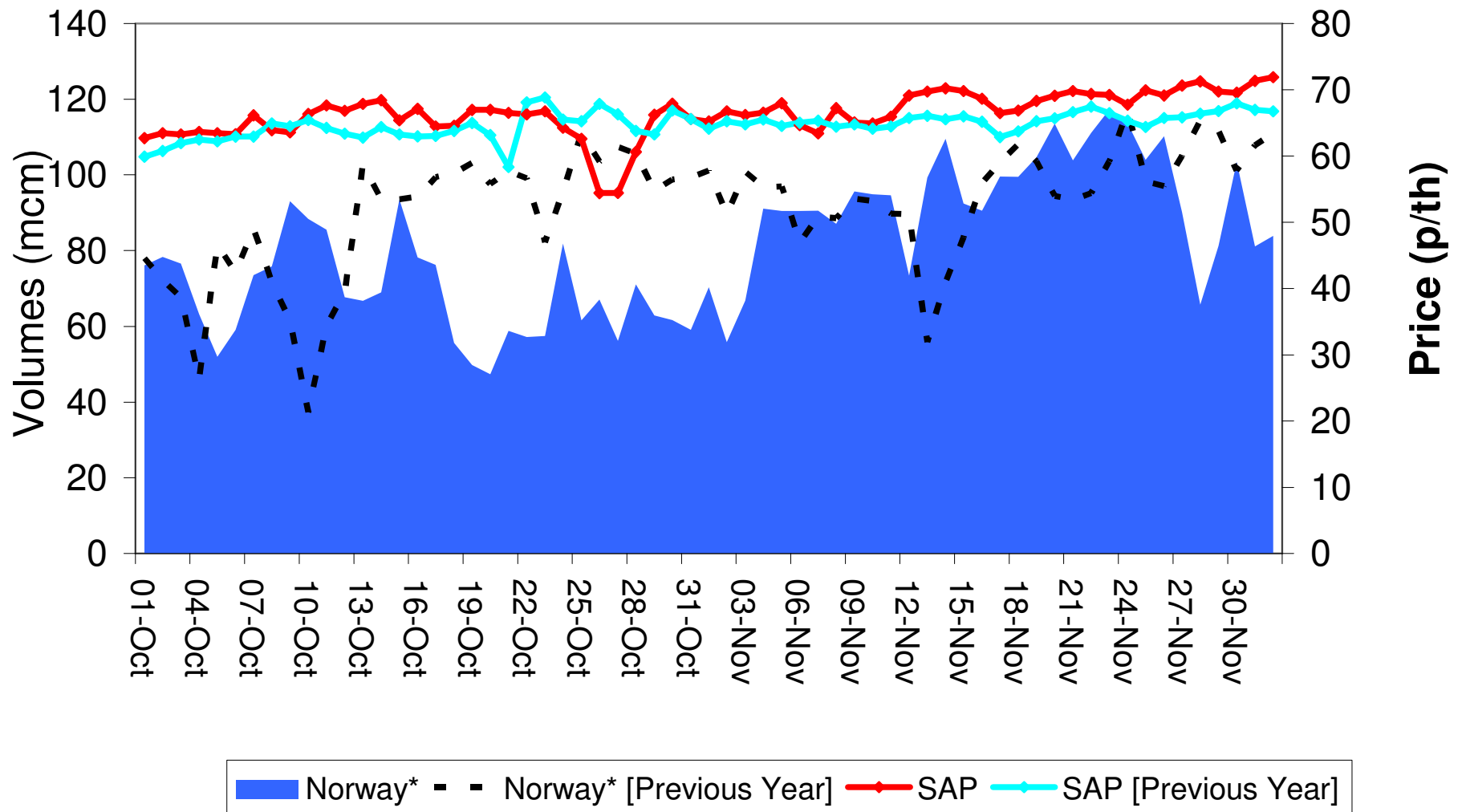
LNG Deliveries



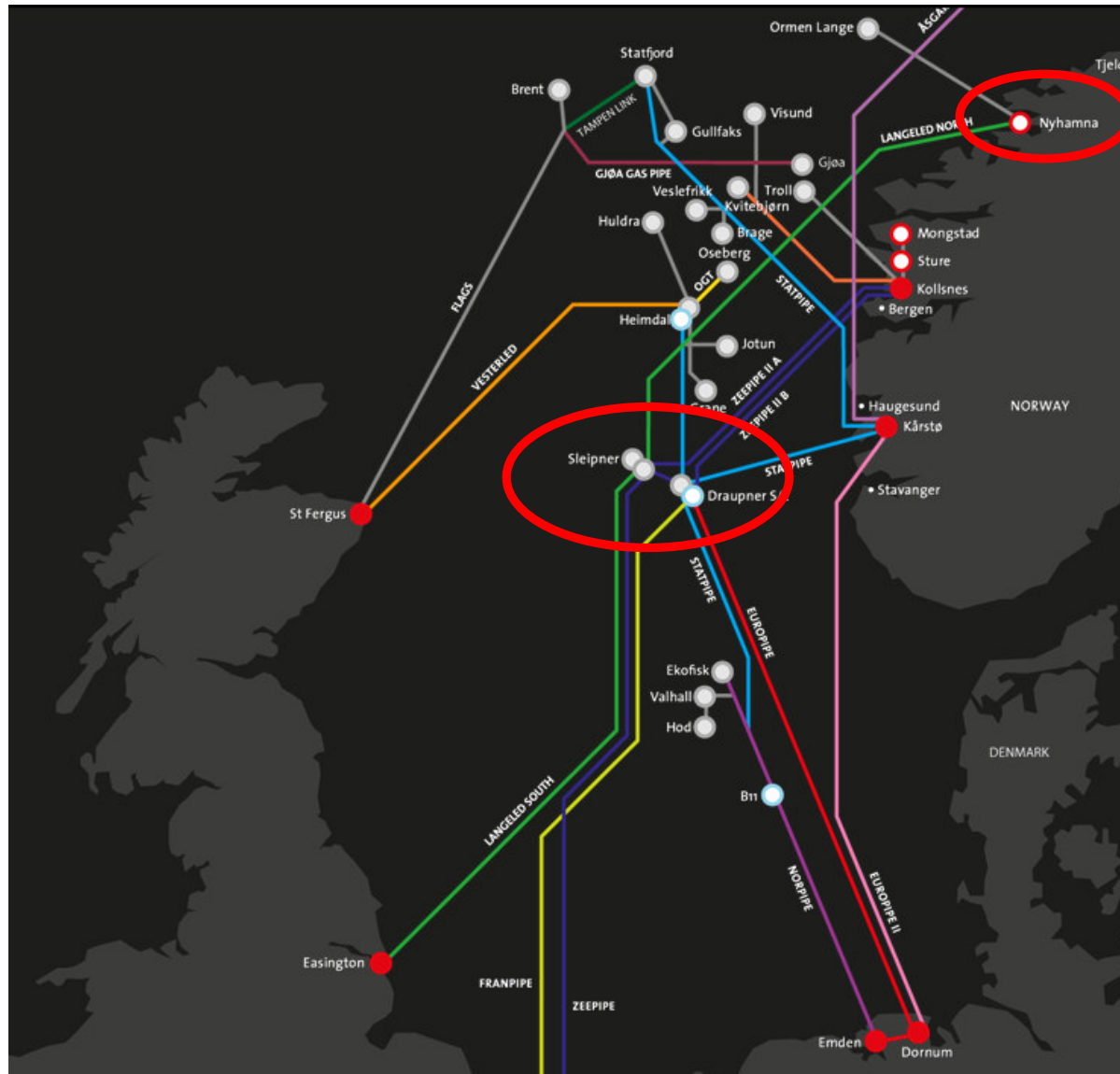
Gas Supply Breakdown – Norway

1st October 2013 to 2nd December 2013

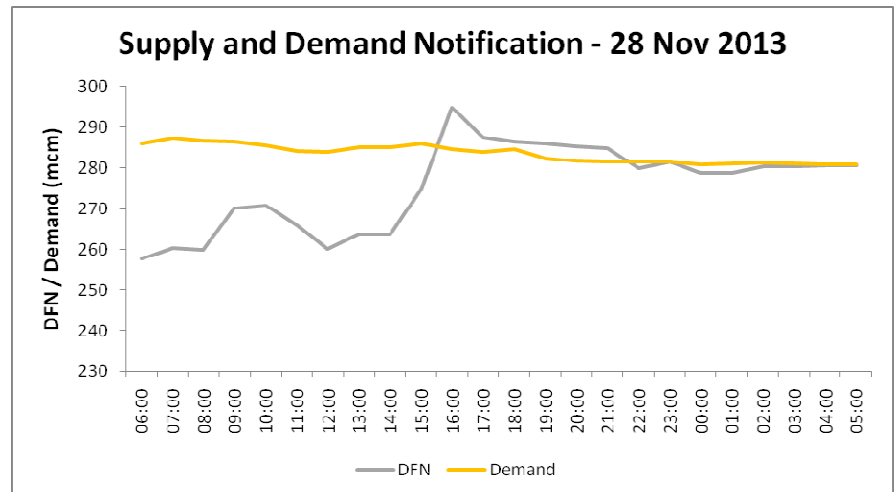
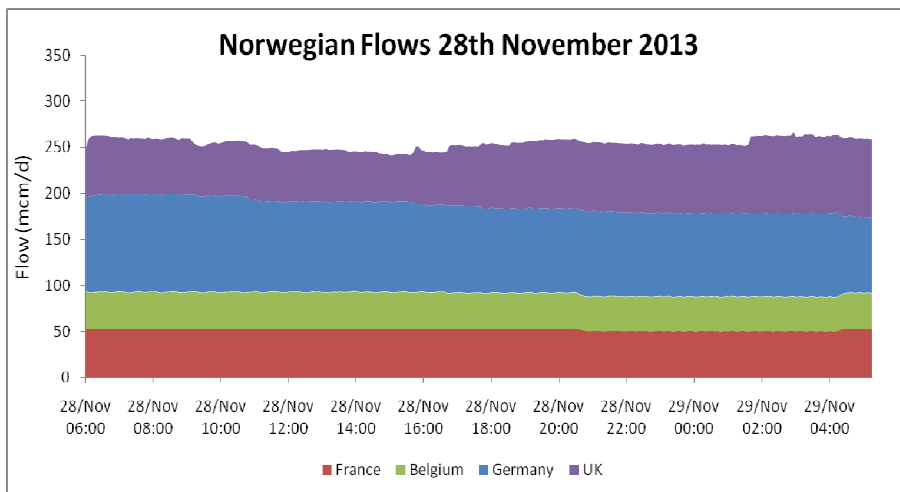
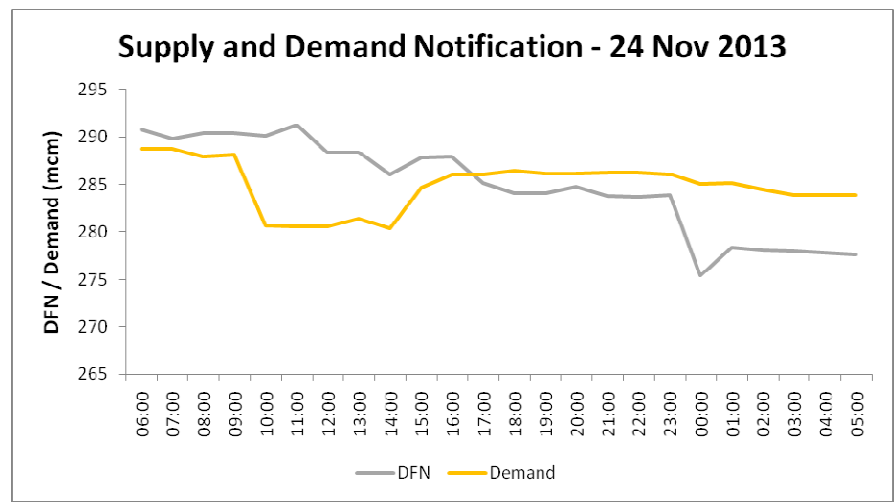
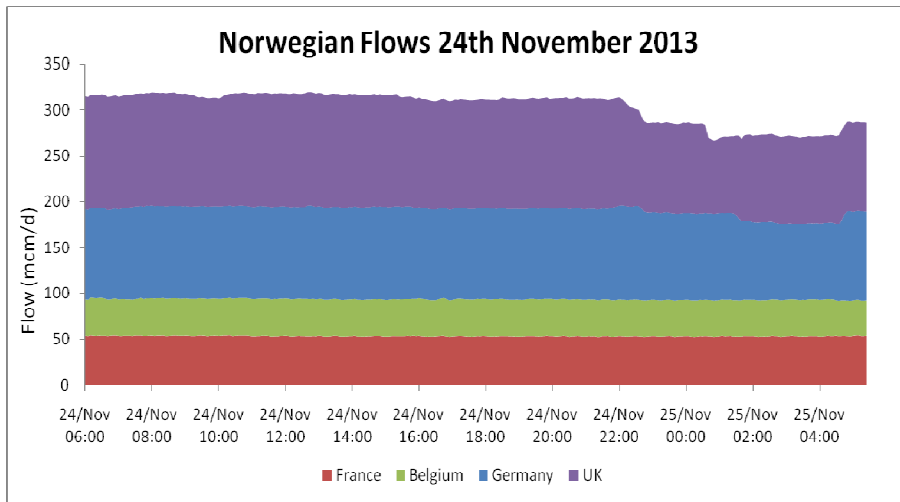
Norwegian* supply volumes Oct - Dec 2013 vs Previous Year / SAP



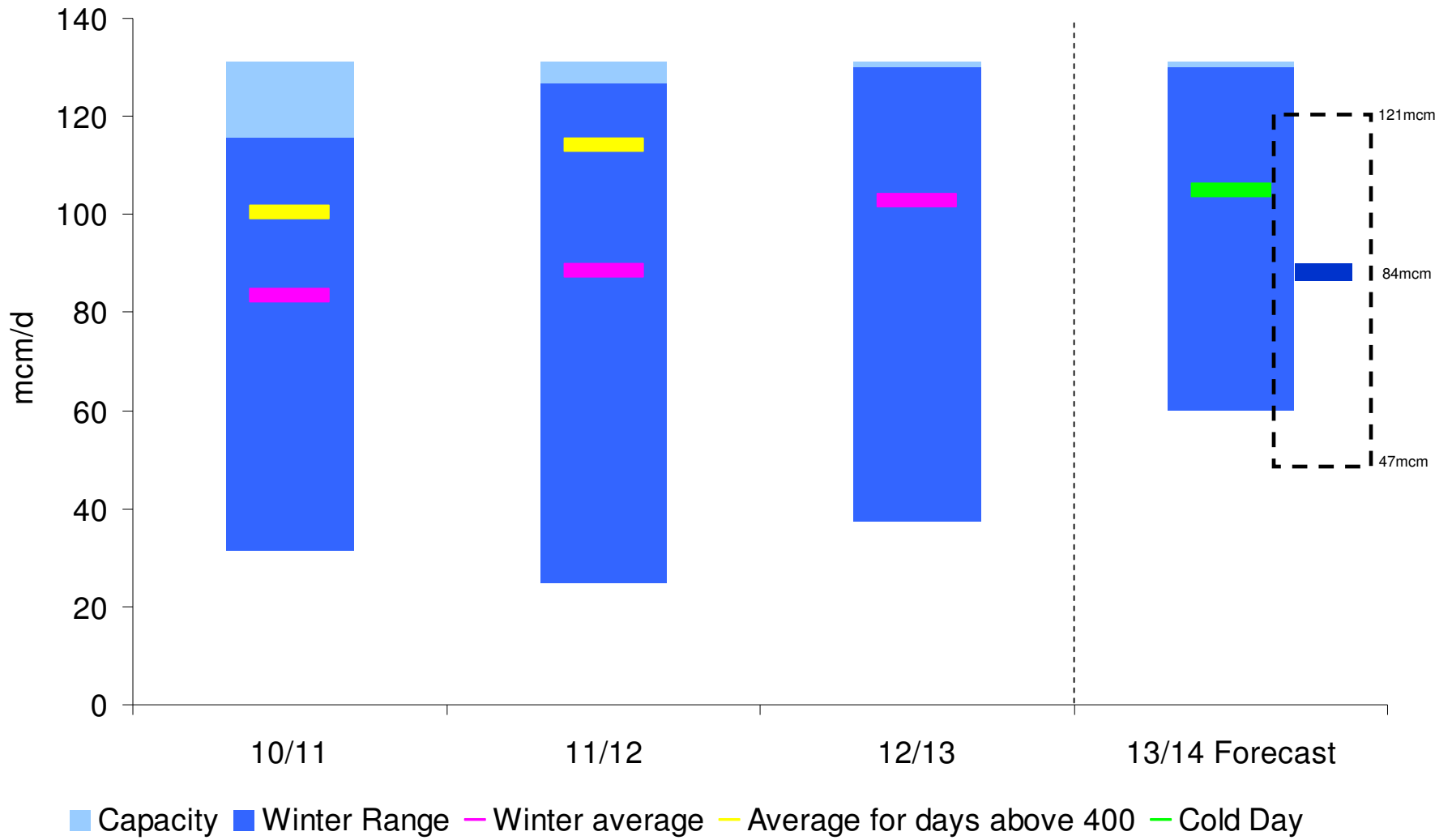
Norwegian Pipeline System



Production Flows



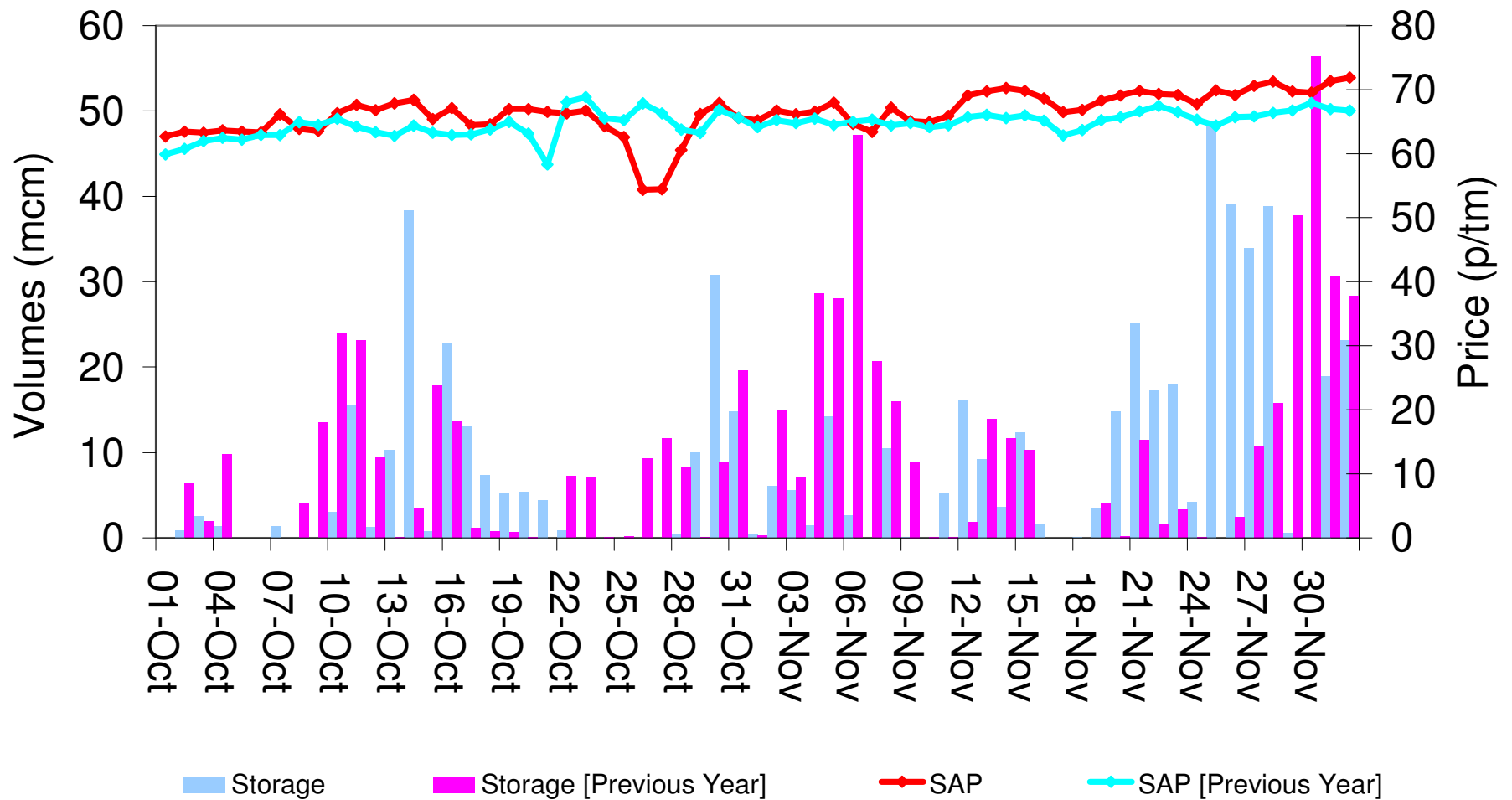
Norwegian Historic Flows and 2012/13 Forecast



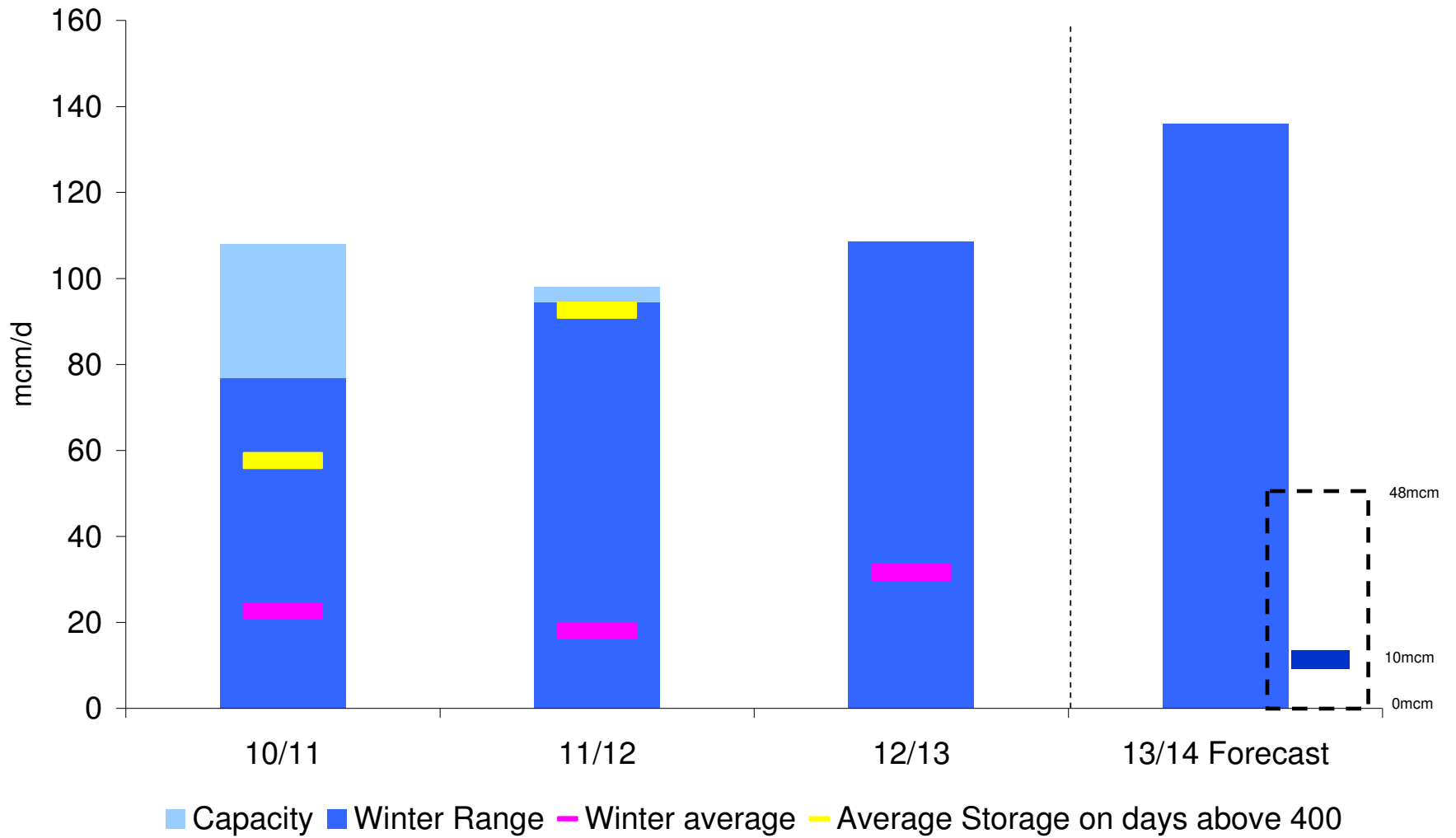
Gas Supply Breakdown – Storage

1st October 2013 to 2nd December 2013

Storage flows Oct - Dec 2013 vs Previous Year / SAP



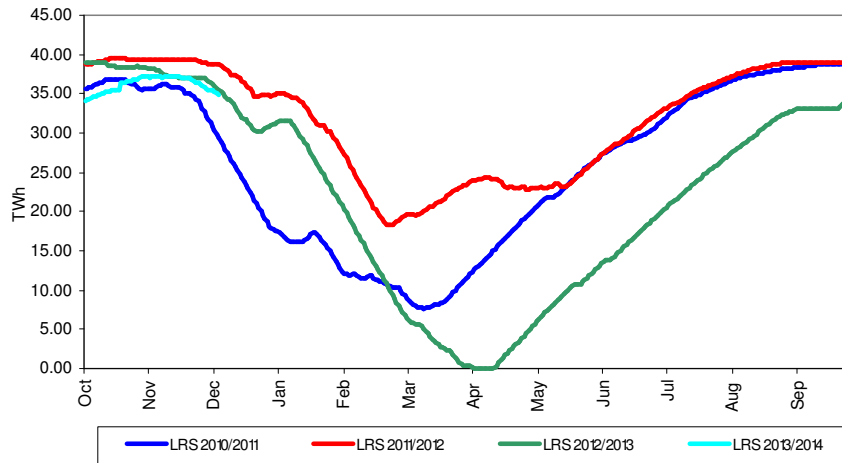
Storage Historic Flows and 2013/14 Forecast



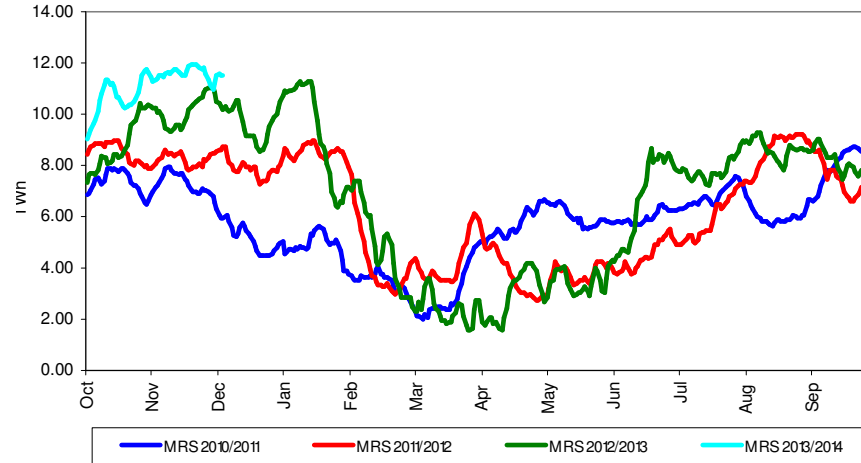
Storage Stocks - UK

1st Oct 2013 to 4th December 2013 Vs Previous Years

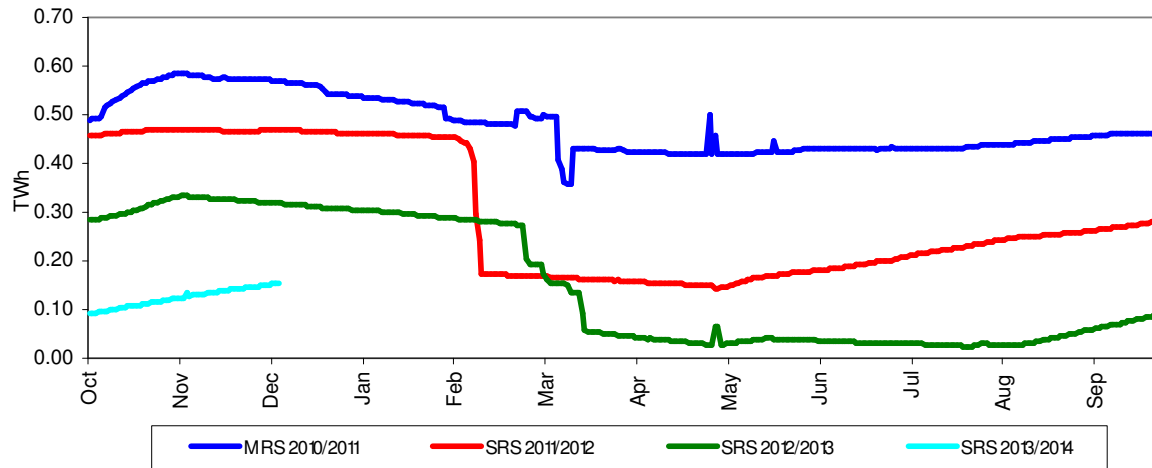
LRS Stocks



MRS Stocks

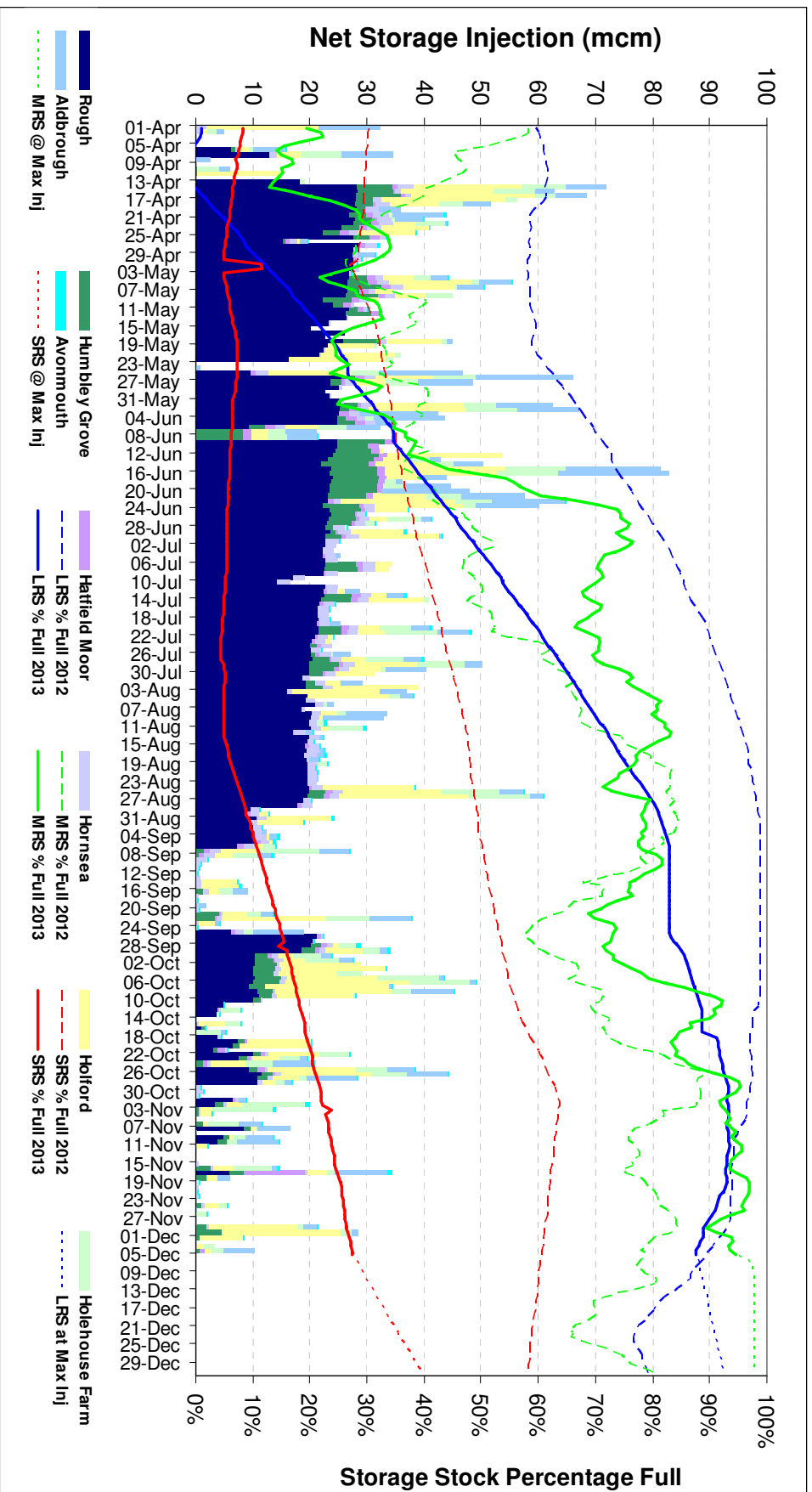


SRS Stocks



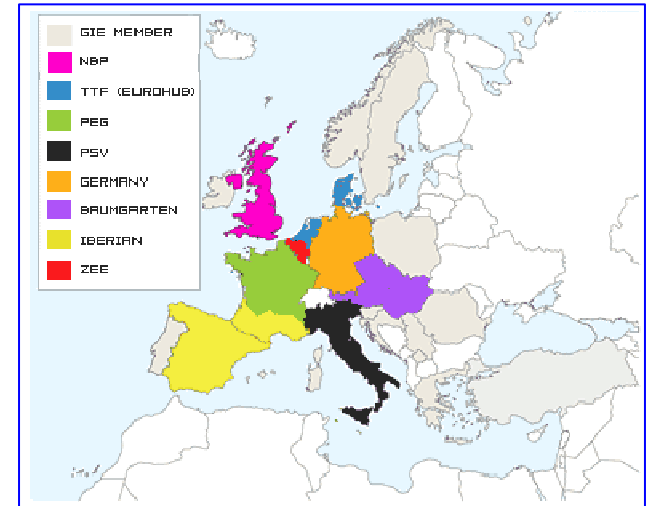
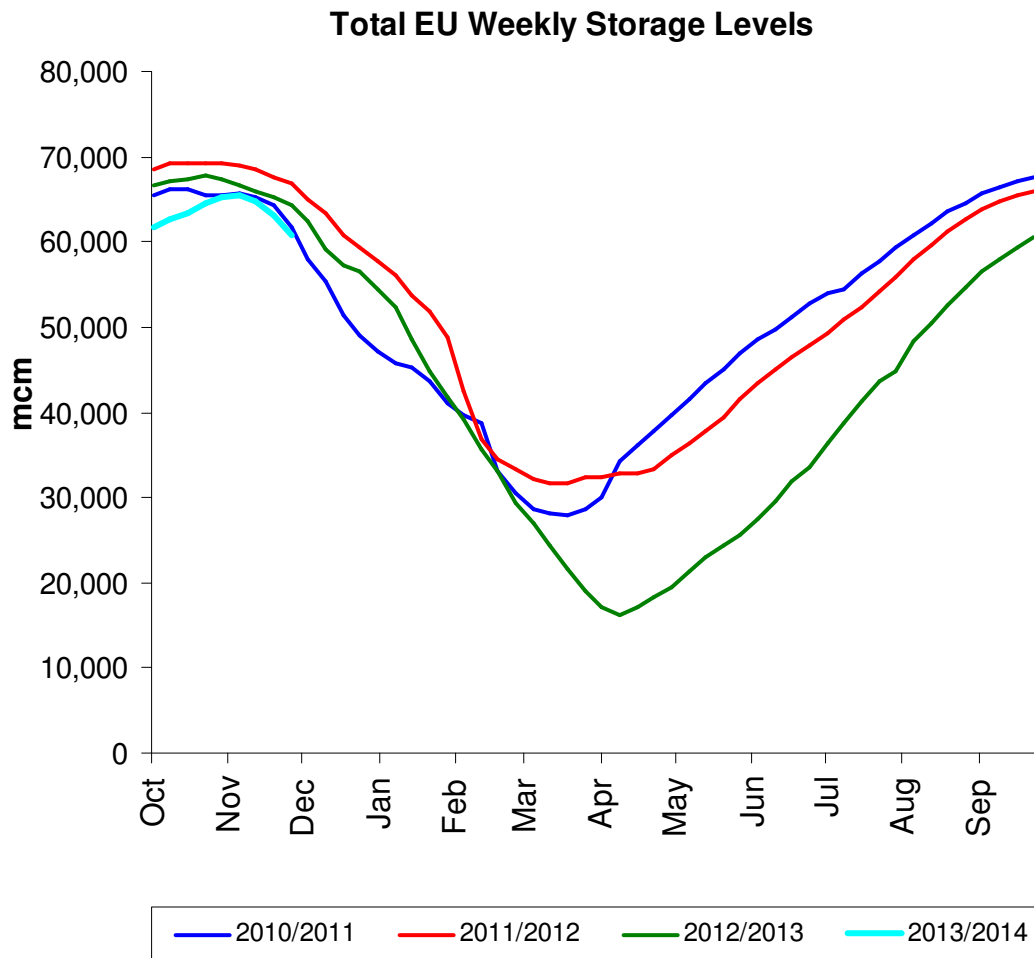
2012/13 Reflection

Storage Stocks



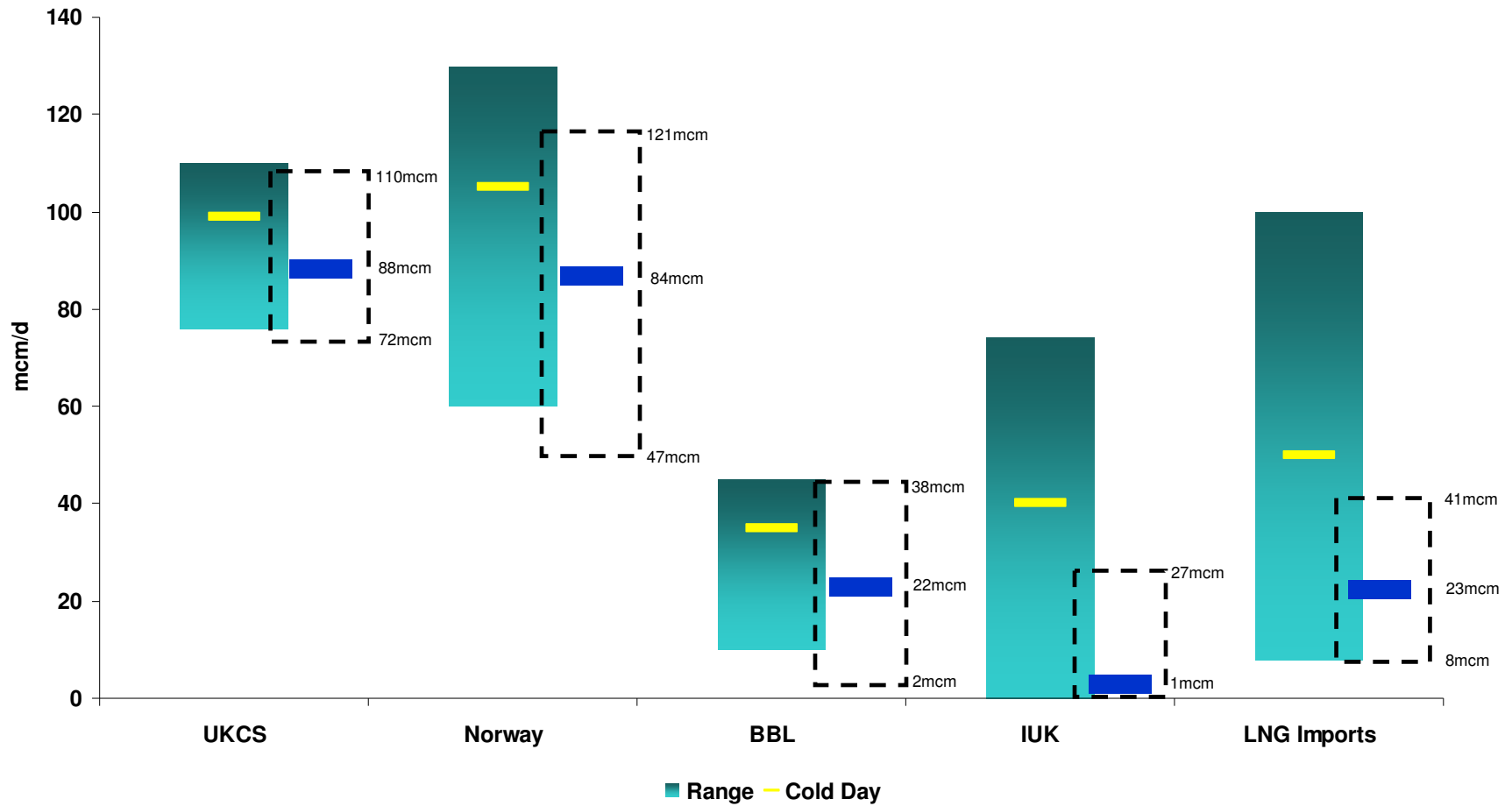
Storage Stocks - EU

From 1st Oct 2013 to 30th November 2013 vs. Previous Years



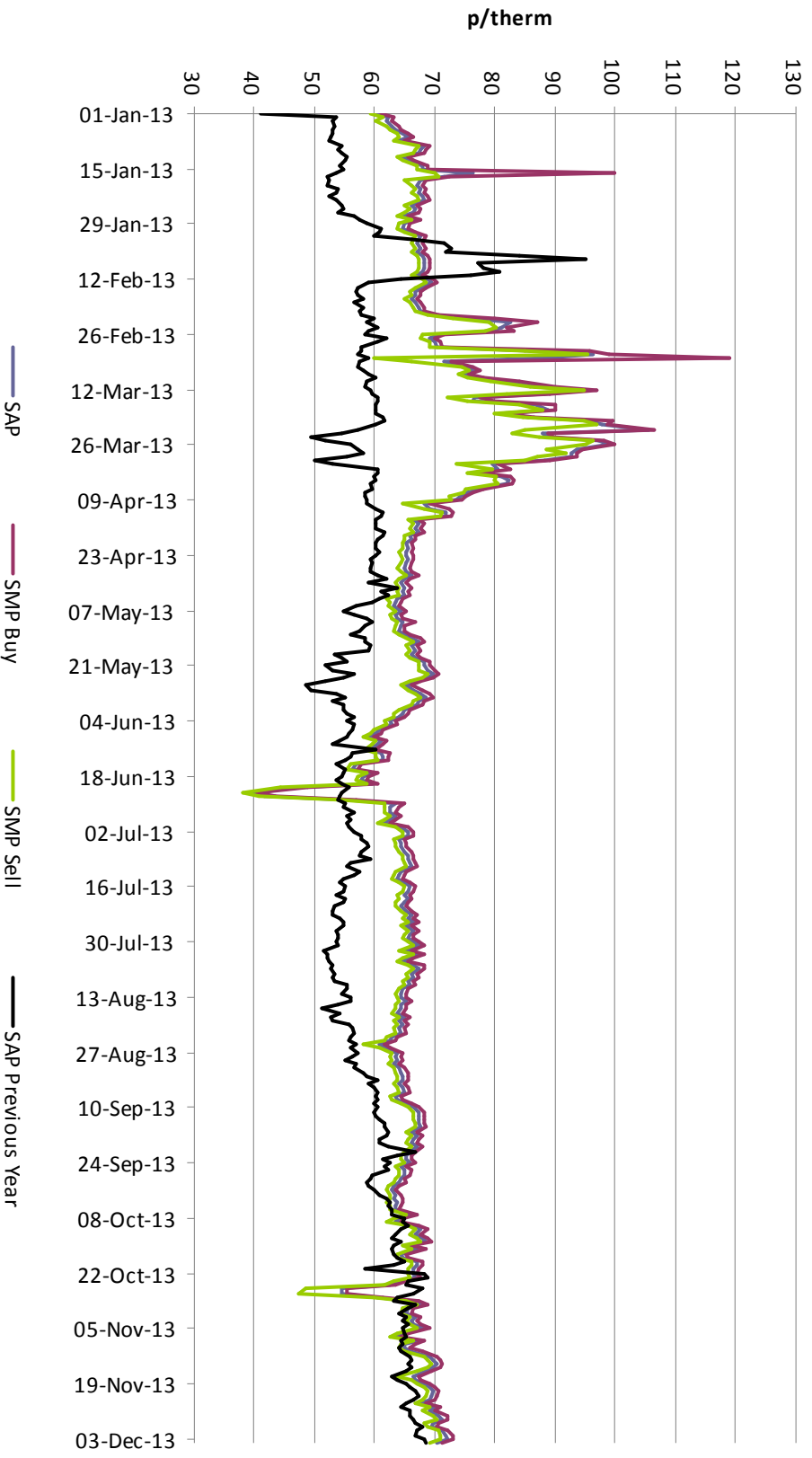
Stocklevel Status at 06:00CET on Wed 04/12/2013		
Hub Area	Stock Level (mcm)	% Full
Baumgarten	11268	66%
Germany	17605	83%
Iberian	2190	76%
NBP	4460	94%
France	8329	67%
PSV	13619	82%
SOUTH-EAST	392	71%
TTF (Eurohub)	1691	82%
ZEE	525	74%
Total Hubs	60080	77%

Supply Ranges



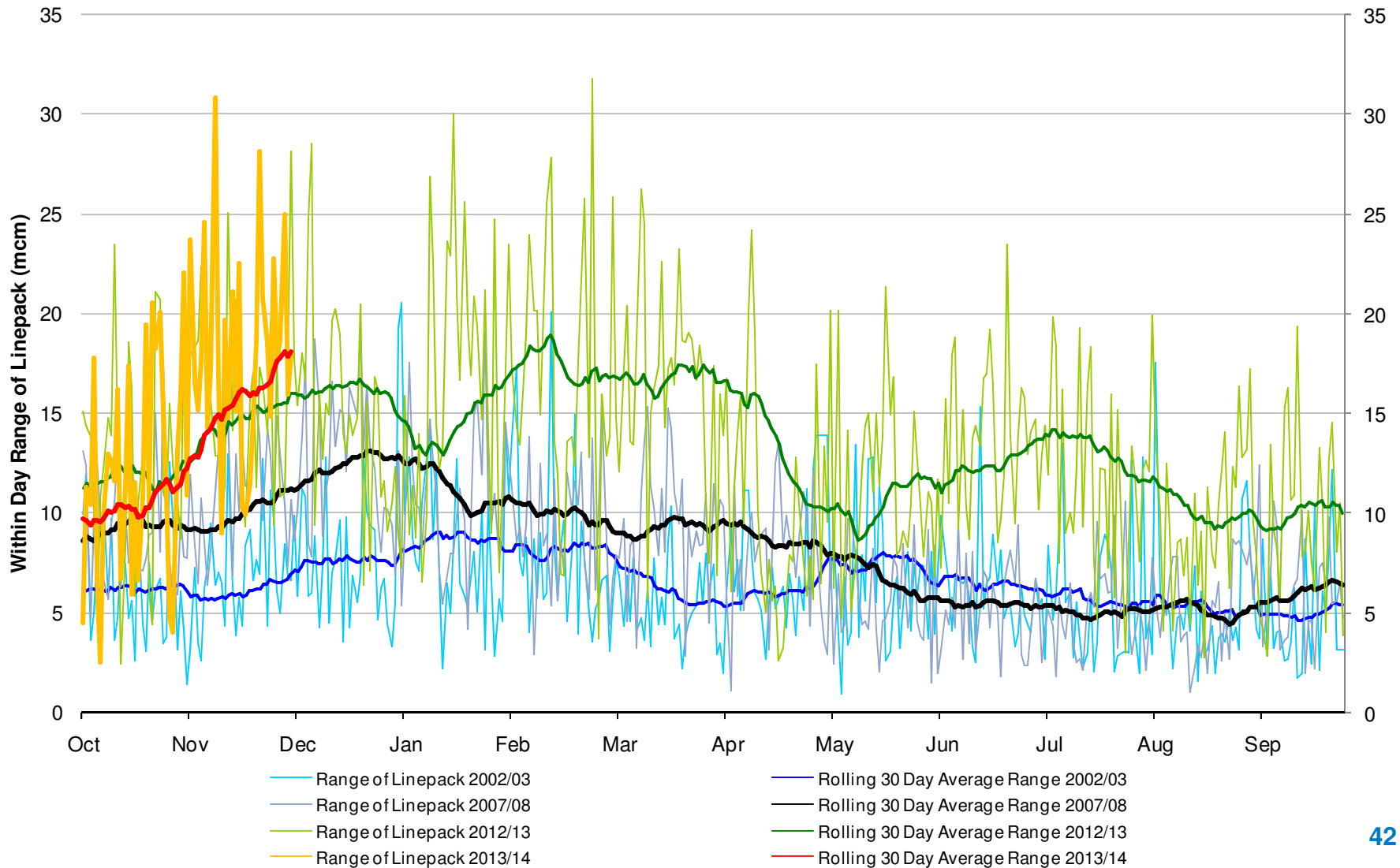
UK Gas Prices

System Prices
1st Jan 2013 to 4th December 2013 Vs Previous Years SAP

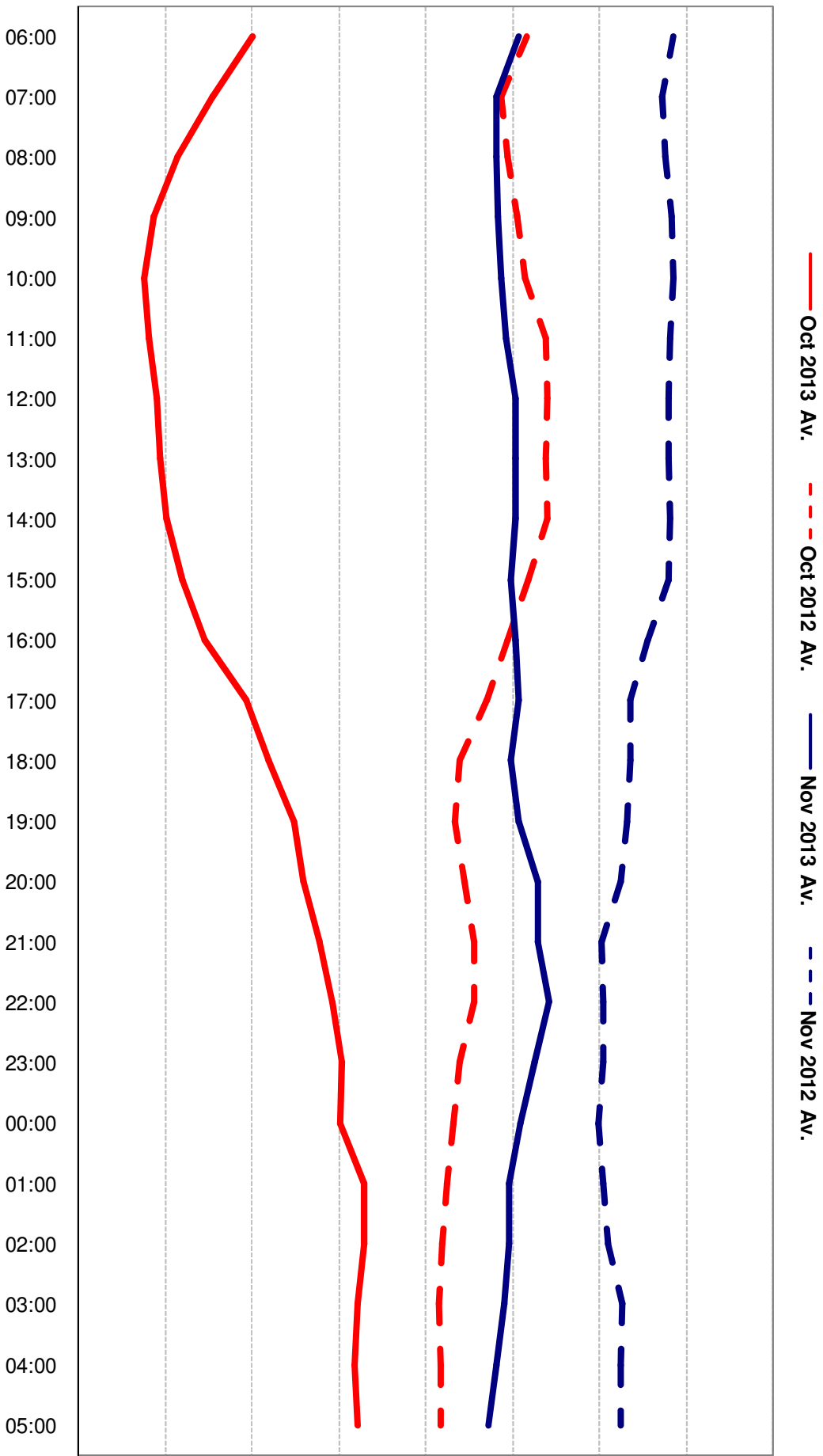


Actual Linepack

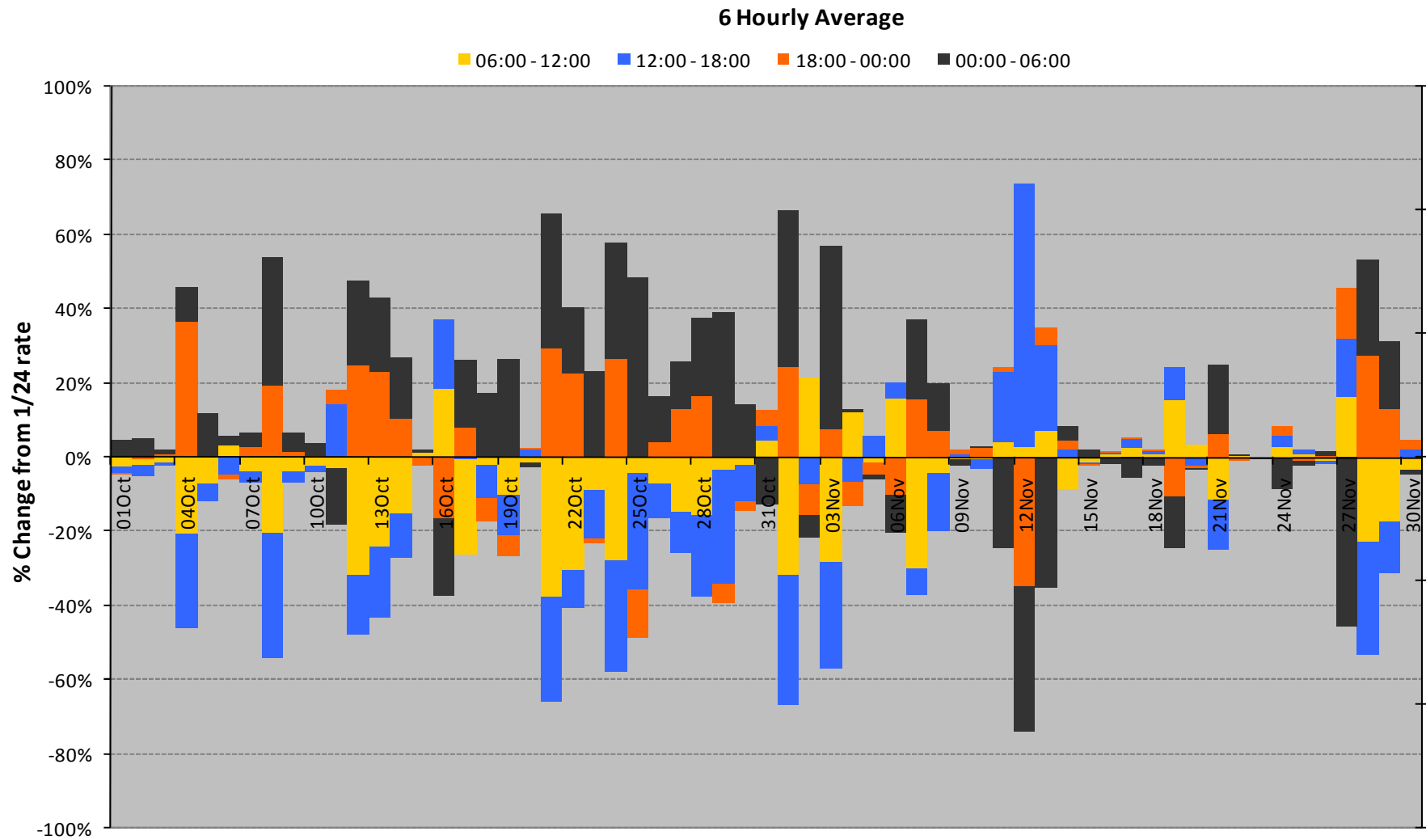
Comparison of Within Day Max-Min Range of NTS Linepack (mcm)



Supply Profiling

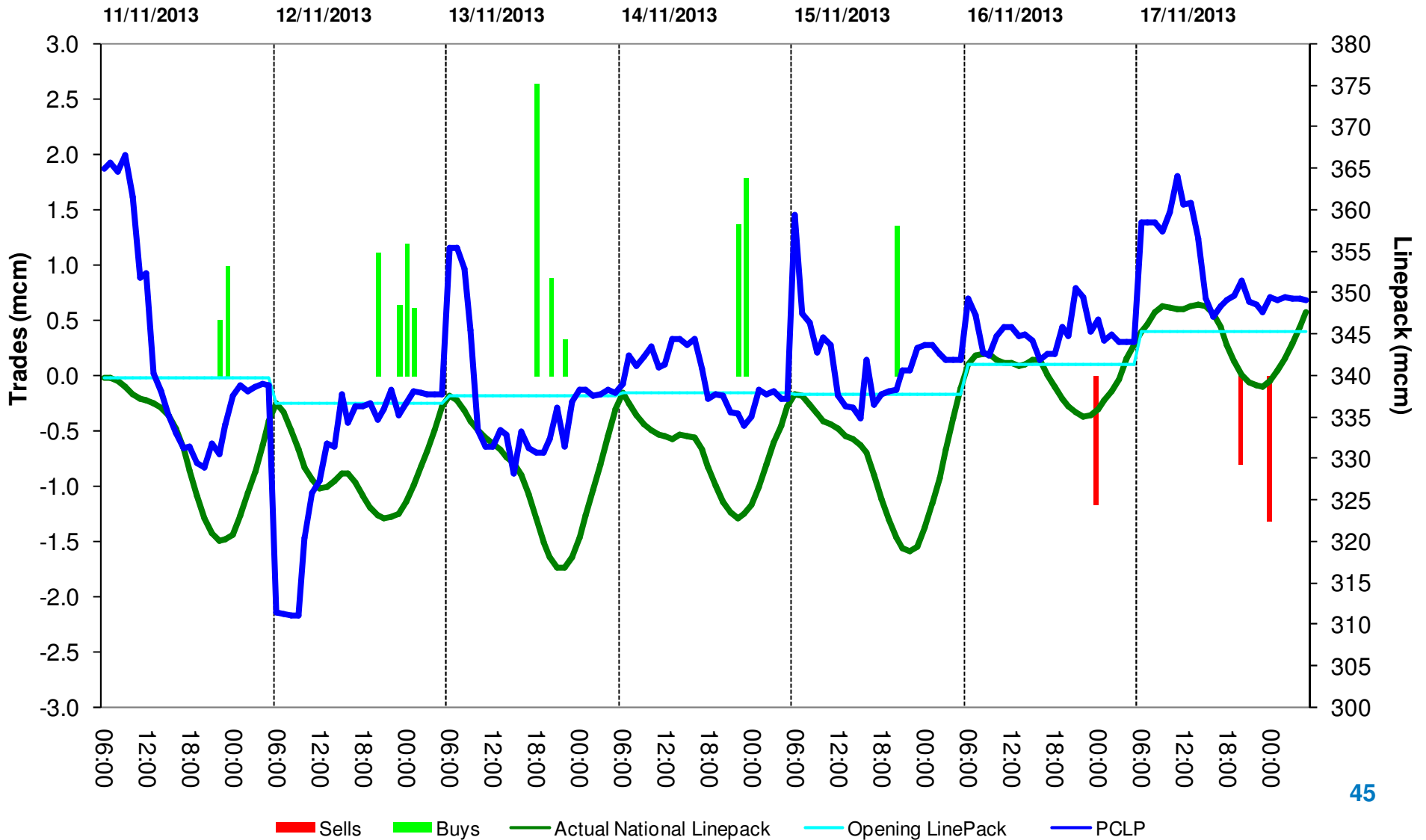


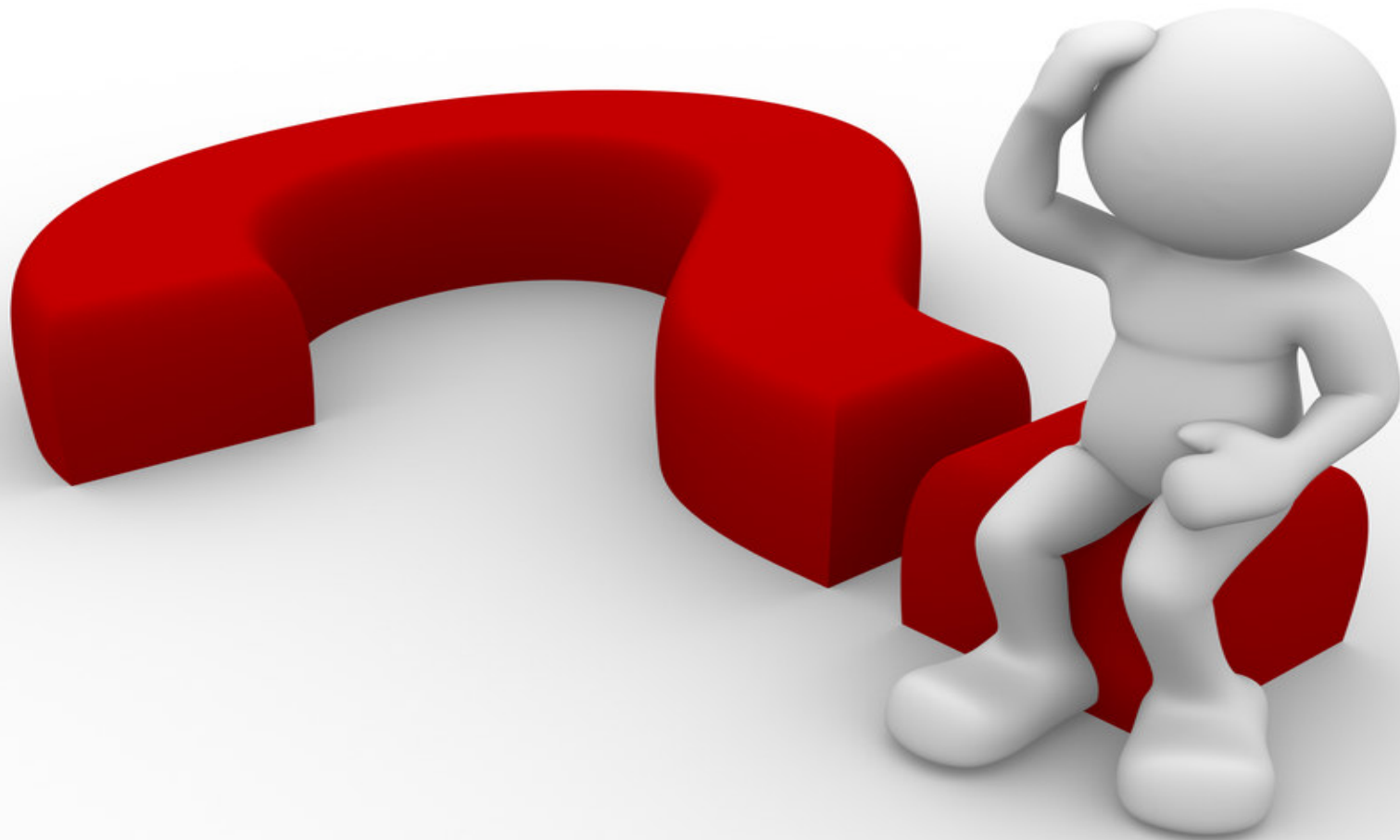
Supply Profiling



Interesting Week...

WC. 11th November 2013





NTS Constraint Management Actions



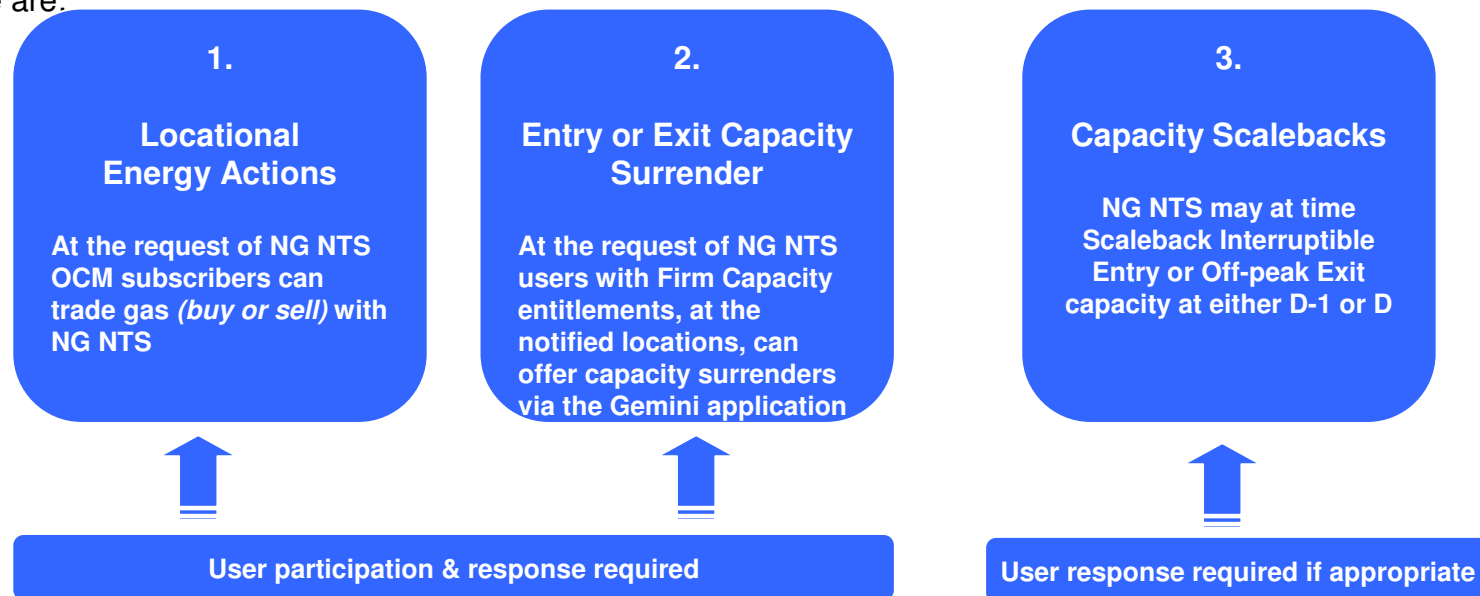
Constraint Management Actions

To support industry preparations for the winter period National Grid NTS hosted a web based live meeting aimed at providing NTS users with a refresh of the constraint management tools available to National Grid NTS.

The presentation and supporting audio file can be found here.

<http://www2.nationalgrid.com/uk/industry-information/gas-transmission-system-operations/capacity/constraint-management/>

A number of the constraint tools covered in the presentation above are reliant on user actions and or a response, these are:



ANS will be used to communicate the requirements for the three processes above.

ANS publications will also be displayed on Prevailing view

Constraint Management Actions (cont)

In addition to the Live meeting slides additional supporting information can also be viewed via the link below. The information displayed also offers a document download option. Each download provides an overview of the process steps to follow should you wish to respond to a NG NTS constraint action

<http://www2.nationalgrid.com/uk/industry-information/gas-transmission-system-operations/capacity/constraint-management/>

Other useful information can be viewed here;

System Management Principles Statement

<http://www2.nationalgrid.com/UK/Industry-information/Business-compliance/Procurement-and-System-Management-Documents/>

Exit Capacity Release Methodology Statement

<http://www2.nationalgrid.com/UK/Industry-information/Gas-capacity-methodologies/Exit-Capacity-Release-Methodology-Statement/>

For more information or if you have any questions please contact Capacityauctions@nationalgrid.com or 01926 654058.