

# VOC Changes Made / Outstanding Actions

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## Actions

- Met with Chris Logue (SMPS) to review actual requirements / obligations for full slide pack that is uploaded to NG web pages. Chris Logue to review slide pack and determine if current information provision meets obligation [Chris Logue]
- Determine actual number of downloads of the full slide pack that is uploaded to the National Grid web pages. [Dali]
- Operational Liaison team to look at options for getting VOC feedback from attendees (Volunteer Contributors) at Ops Forum meetings whilst managing expectations by explaining any limitations National Grid may have when reporting to the meeting. [Operational Liaison Team]

## Changes Made

- Units of measurement now consistently mcm not mcm/d throughout slide packs.
- Where applicable the date ranges for all charts have moved to a rolling 13 month period.
- Where applicable stacked area charts have been updated to position values that tend to fluctuate more at the top of the chart.
- Where possible category colours have been standardised across all charts.

## VOC Outstanding Actions / Changes Made

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- Two Supply (existing) / Demand breakdown (new) donut charts options created for consideration: rolling current year vs previous year (previously current season vs previous season); and rolling 5 years.

# Operational Forum Meeting



**15<sup>th</sup> June 2016, 10:30AM**

# System Management Principles Statement



- **Compliance report for May 2016**
- **Summary of balancing actions and breaches for May 2016**
- **Performance compared to last year**

# Summary Report

1<sup>st</sup> January 2016 - 31<sup>st</sup> May 2016

	May-16
Total Number of Buy Actions	0
Total Number of Sell Actions	11
<b>Total</b>	<b>11</b>

	May-16
Number of Material Breaches	0
Number of Non-Material Breaches	0

	May-16	May-15
Number of Balancing Actions (Calendar year to date)	62	84
Number of Material Breaches (Calendar year to date)	0	0
Number of Non-Material Breaches (Calendar year to date)	0	0

## Operational Overview

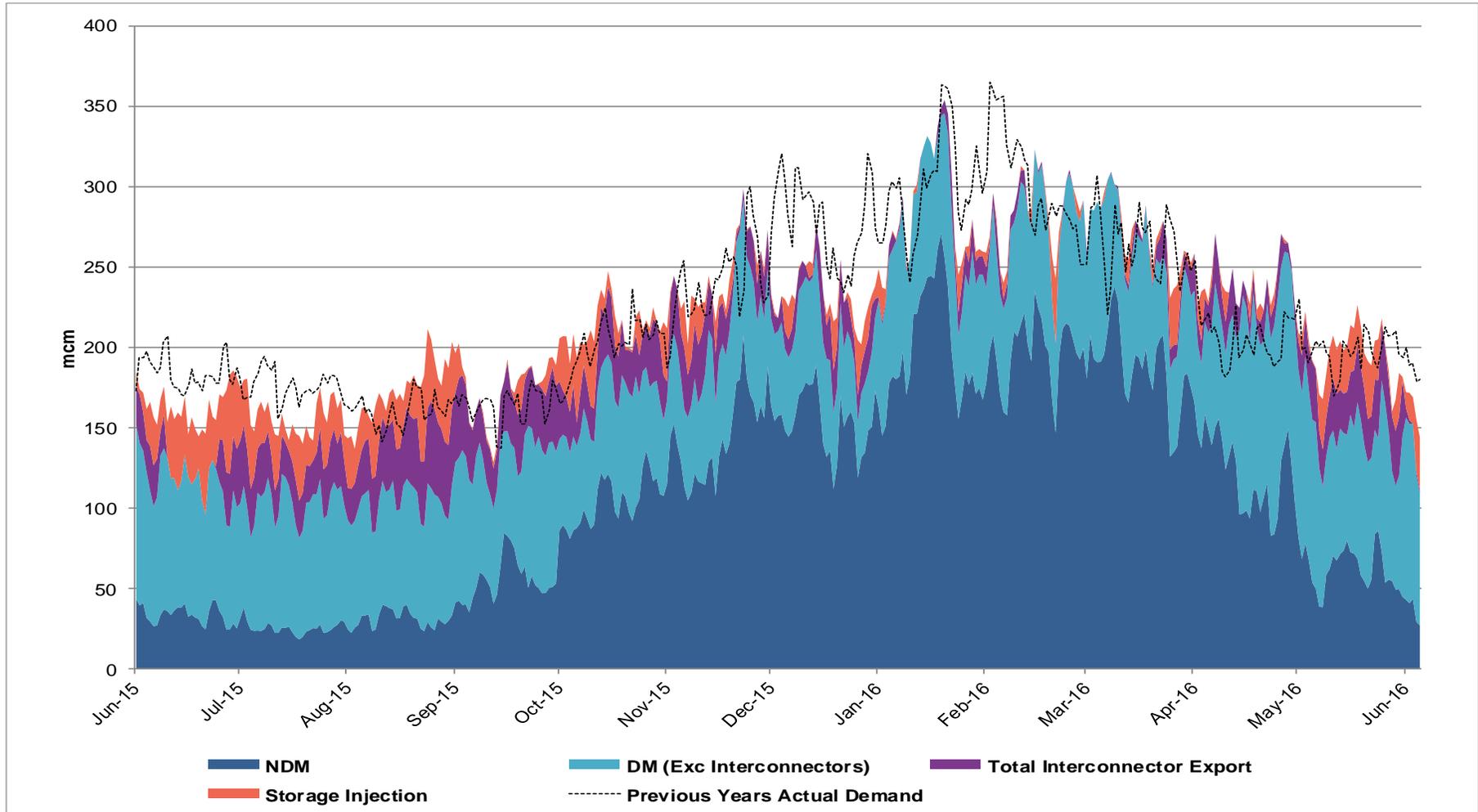


## Demands



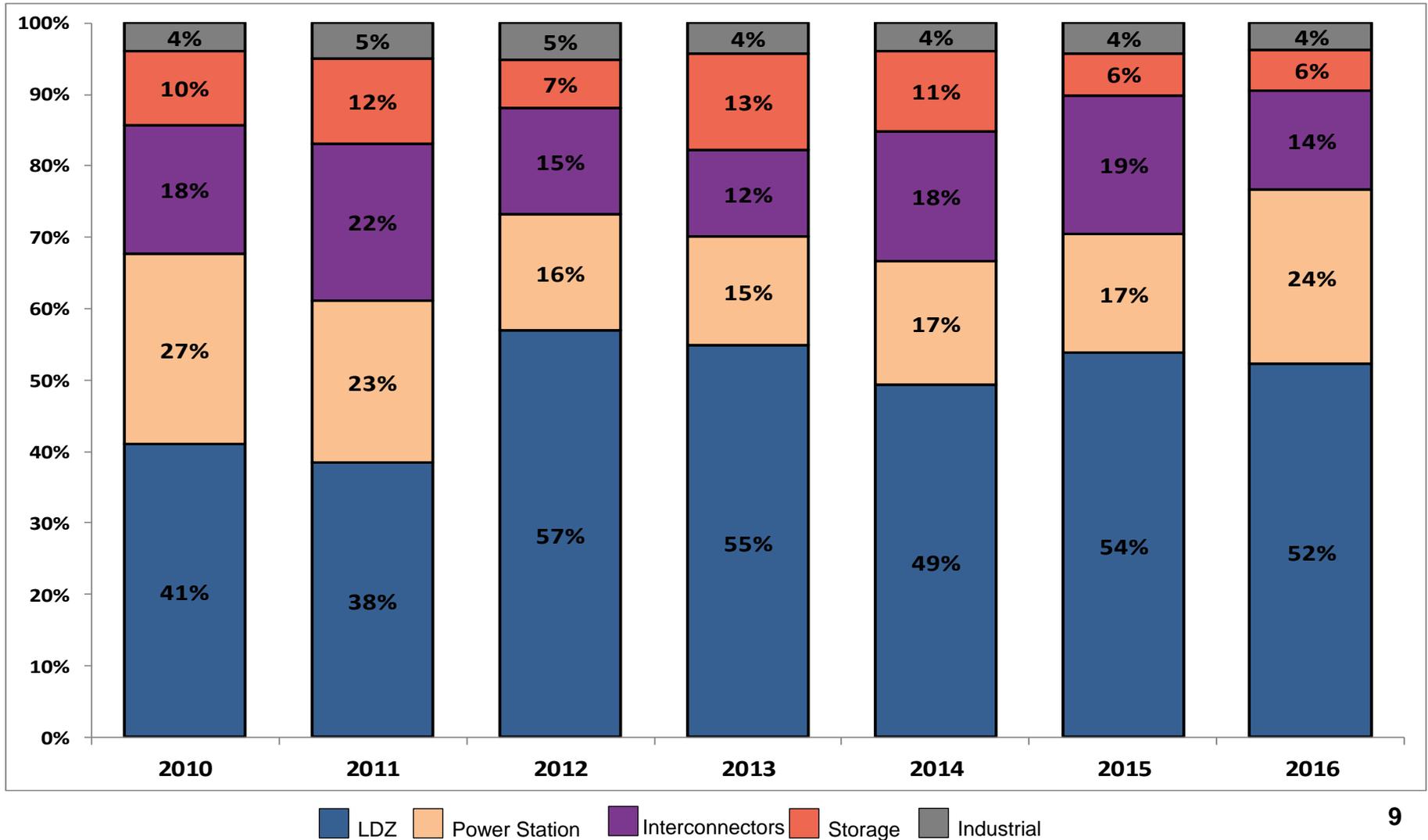
# Gas Demand Breakdown

1<sup>st</sup> June 2015 to 5<sup>th</sup> June 2016 vs Previous Year



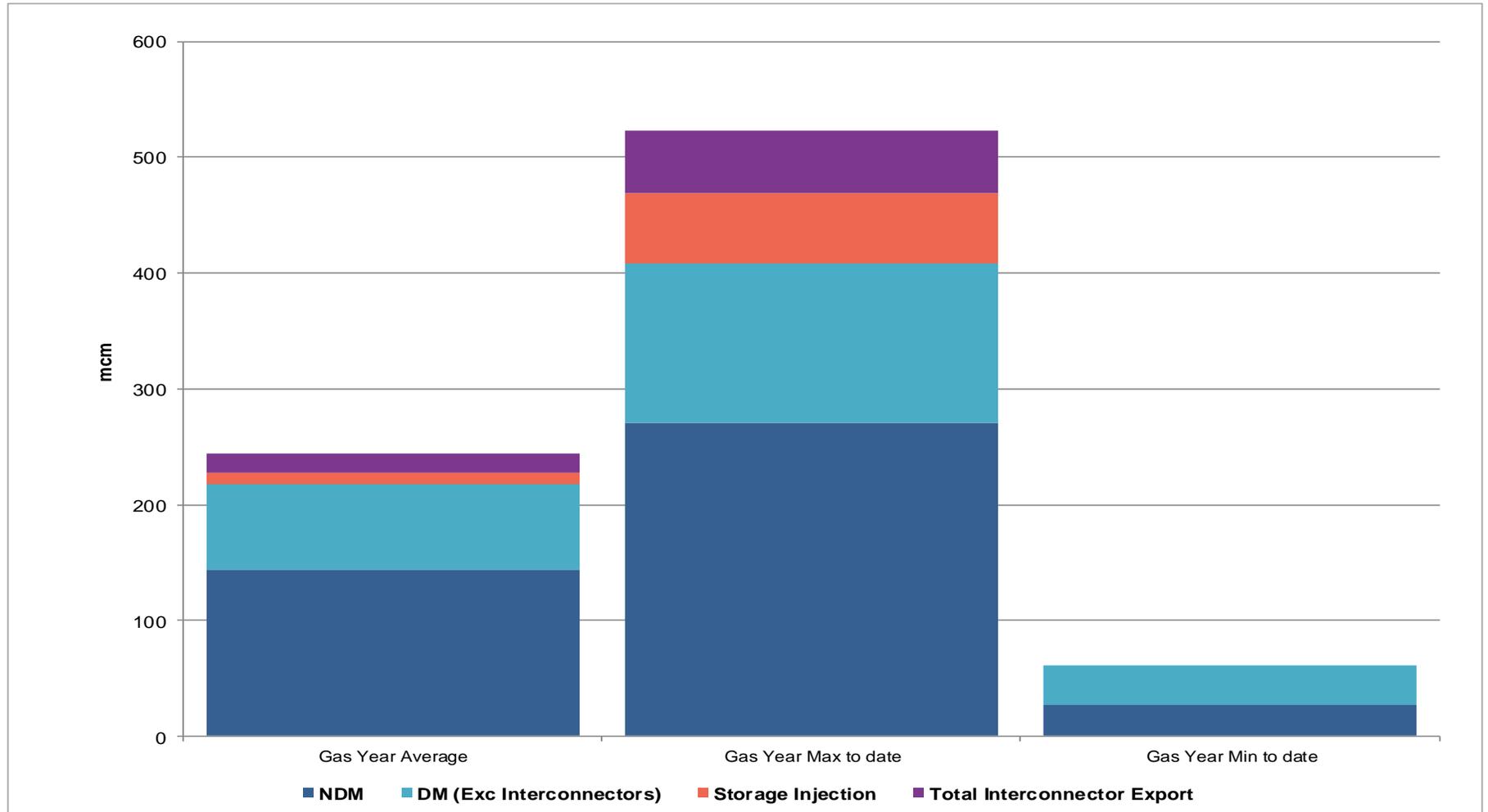
# Gas Demand Breakdown

1<sup>st</sup> April - 5<sup>th</sup> June 2016 vs Same Period in Previous Years



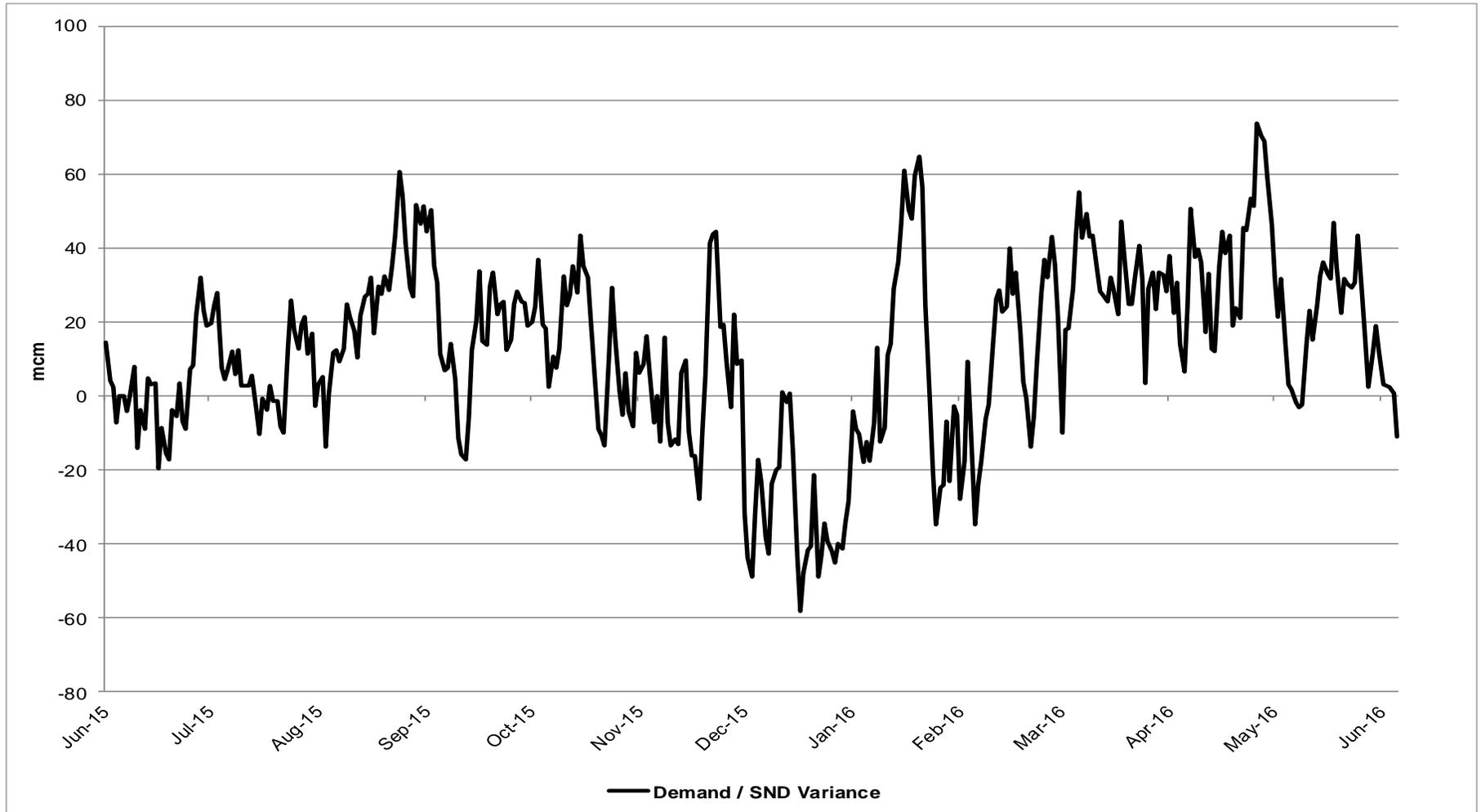
# Gas Demand Statistics

1<sup>st</sup> October 2015 to 5th June 2016



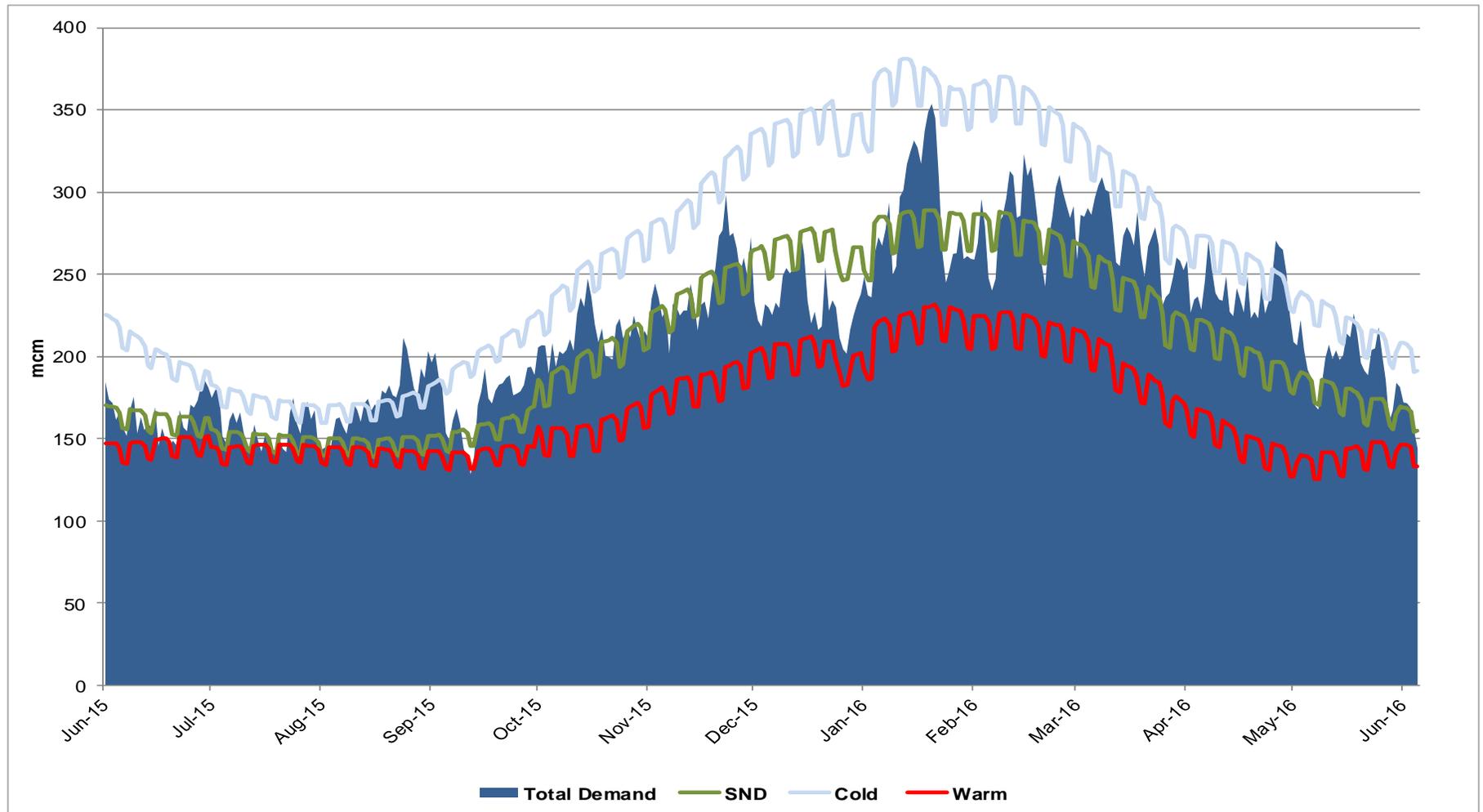
# Demand Variance from SND

1<sup>st</sup> June 2015 to 5<sup>th</sup> June 2016



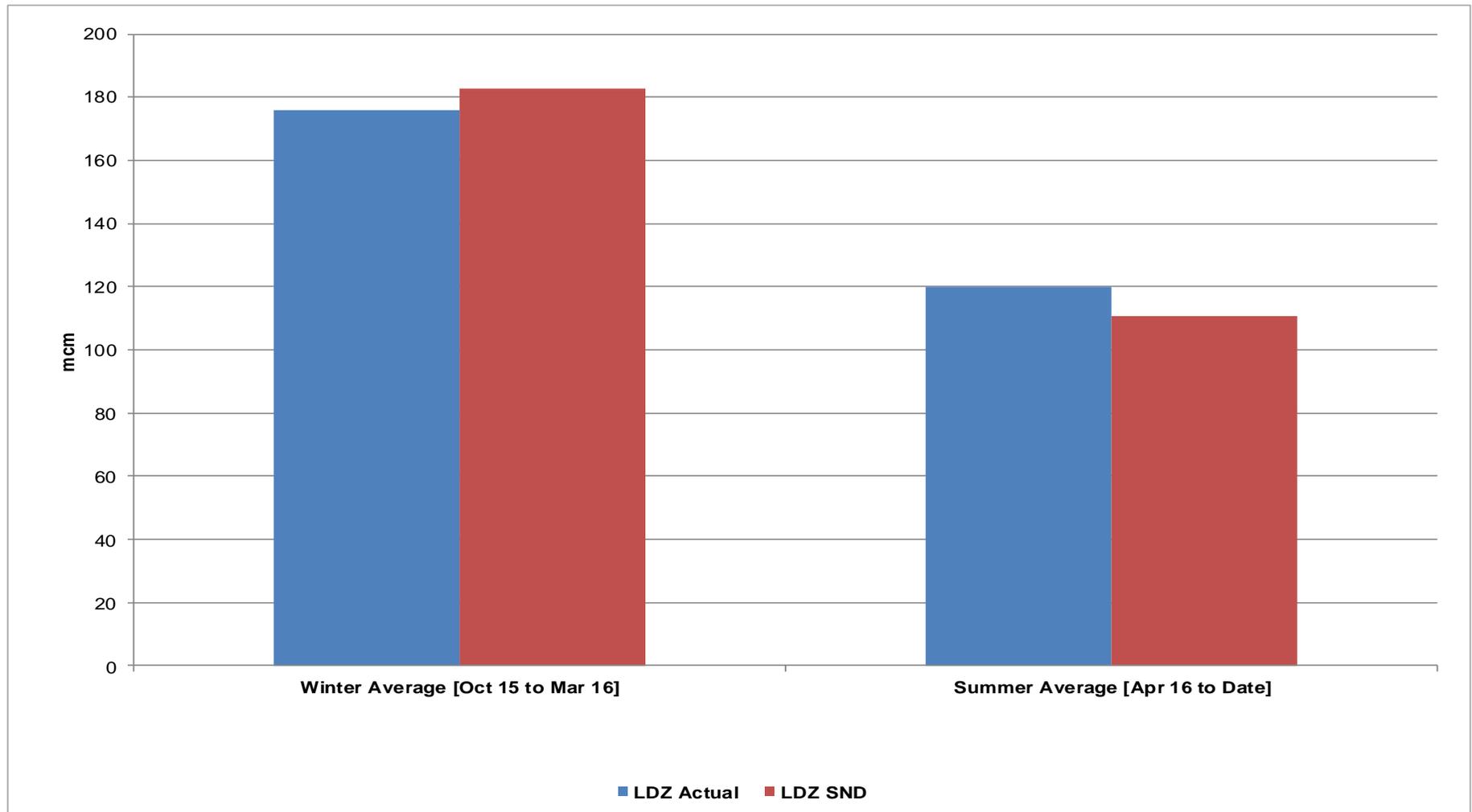
# Gas Demand Vs SND / Cold / Warm

1<sup>st</sup> June 2015 to 5<sup>th</sup> June 2016



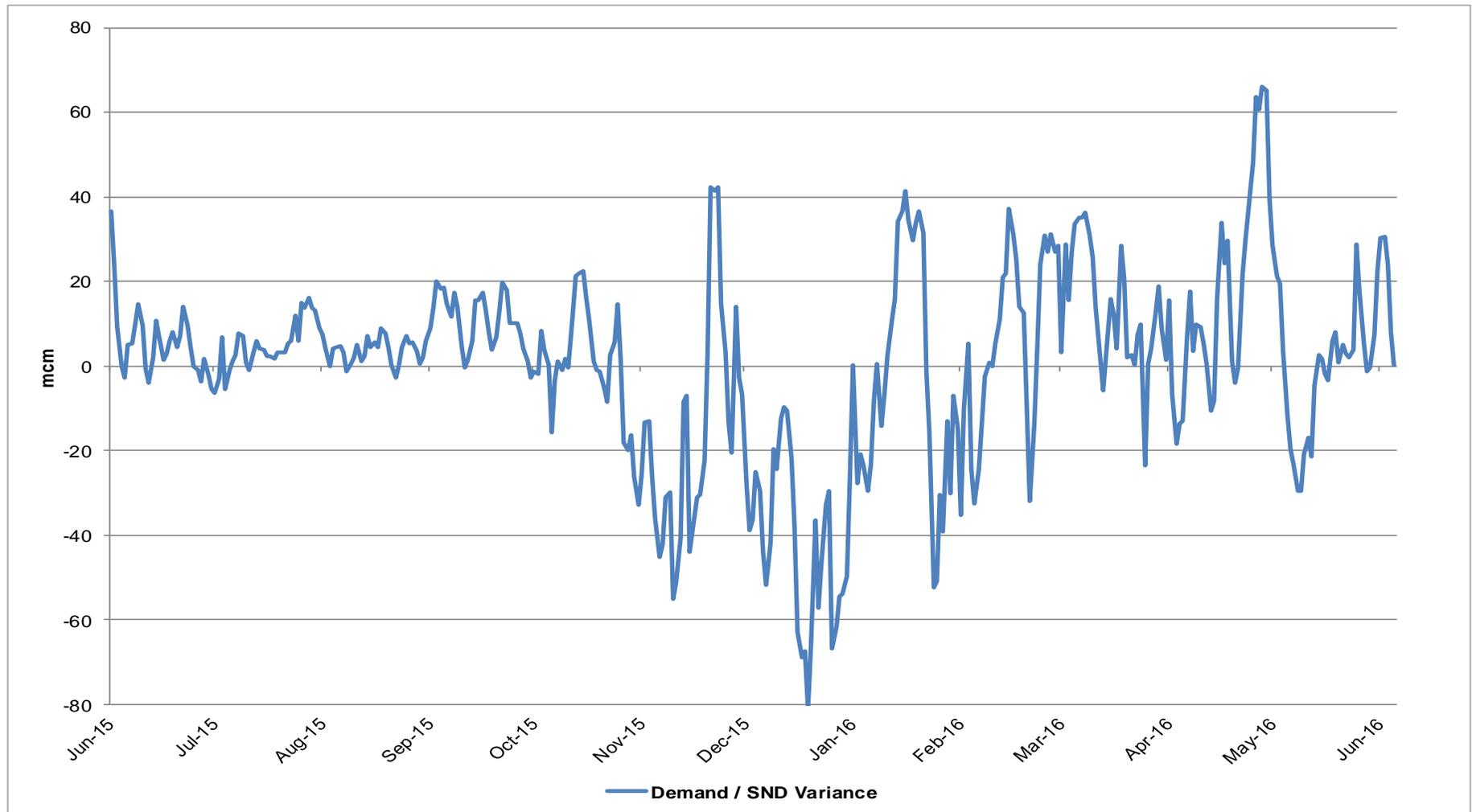
# LDZ Actual Demand Vs LDZ SND

1<sup>st</sup> October 2015 to 5<sup>th</sup> June 2016



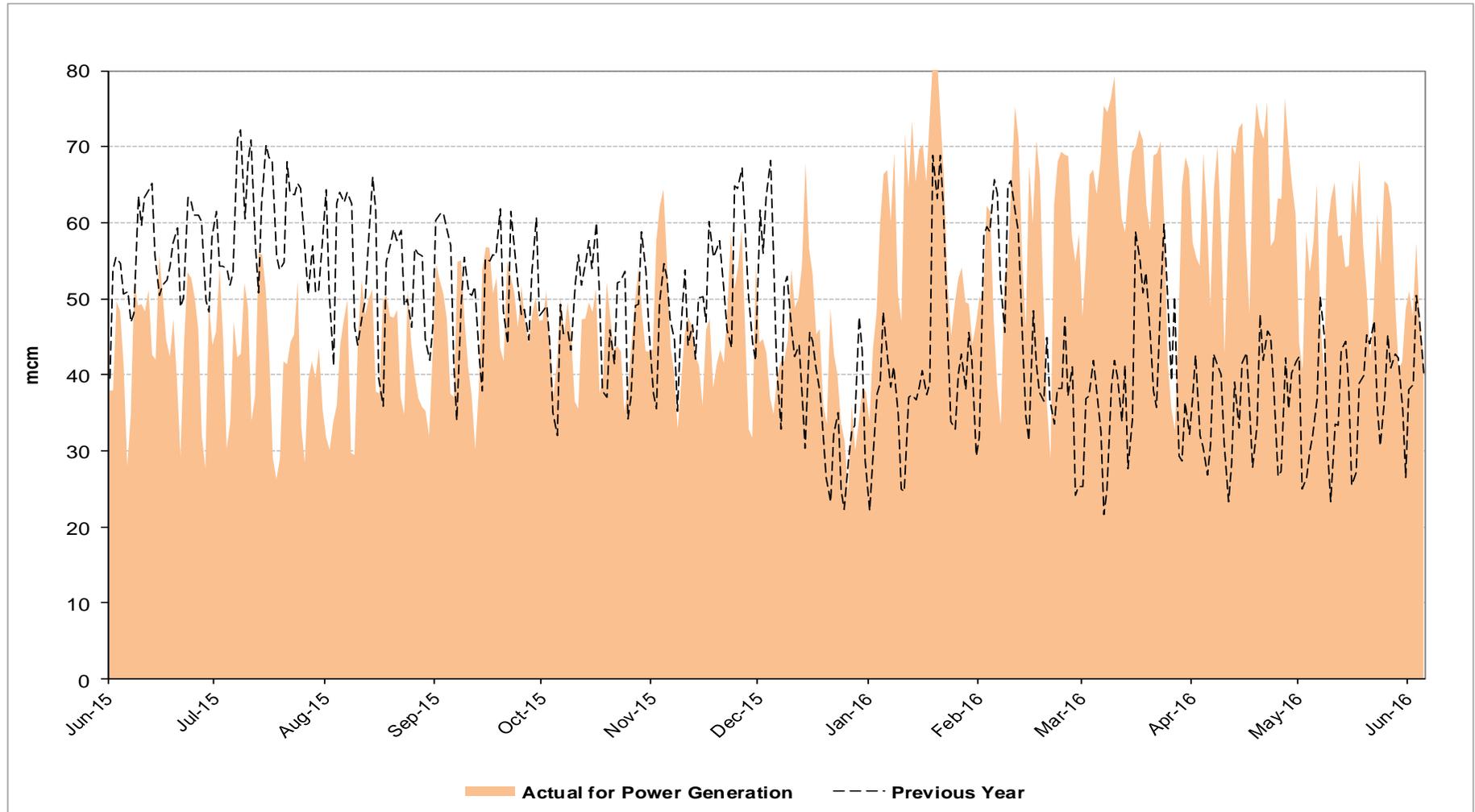
# LDZ Demand / LDZ SND Variance

1st June 2015 to 5th June 2016



# Gas Consumption for Power Generation

1st June 2015 to 5th June 2016

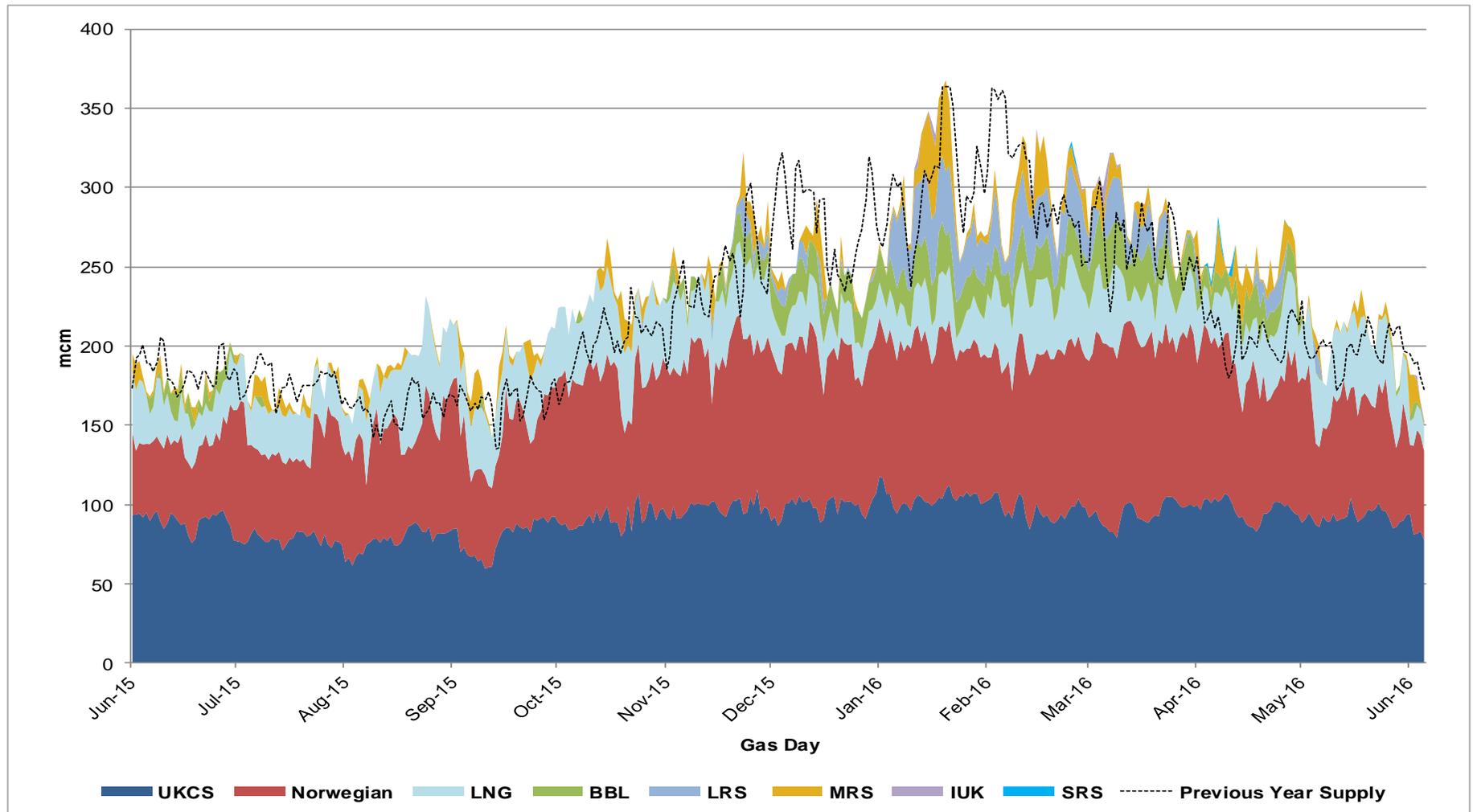


# Supplies



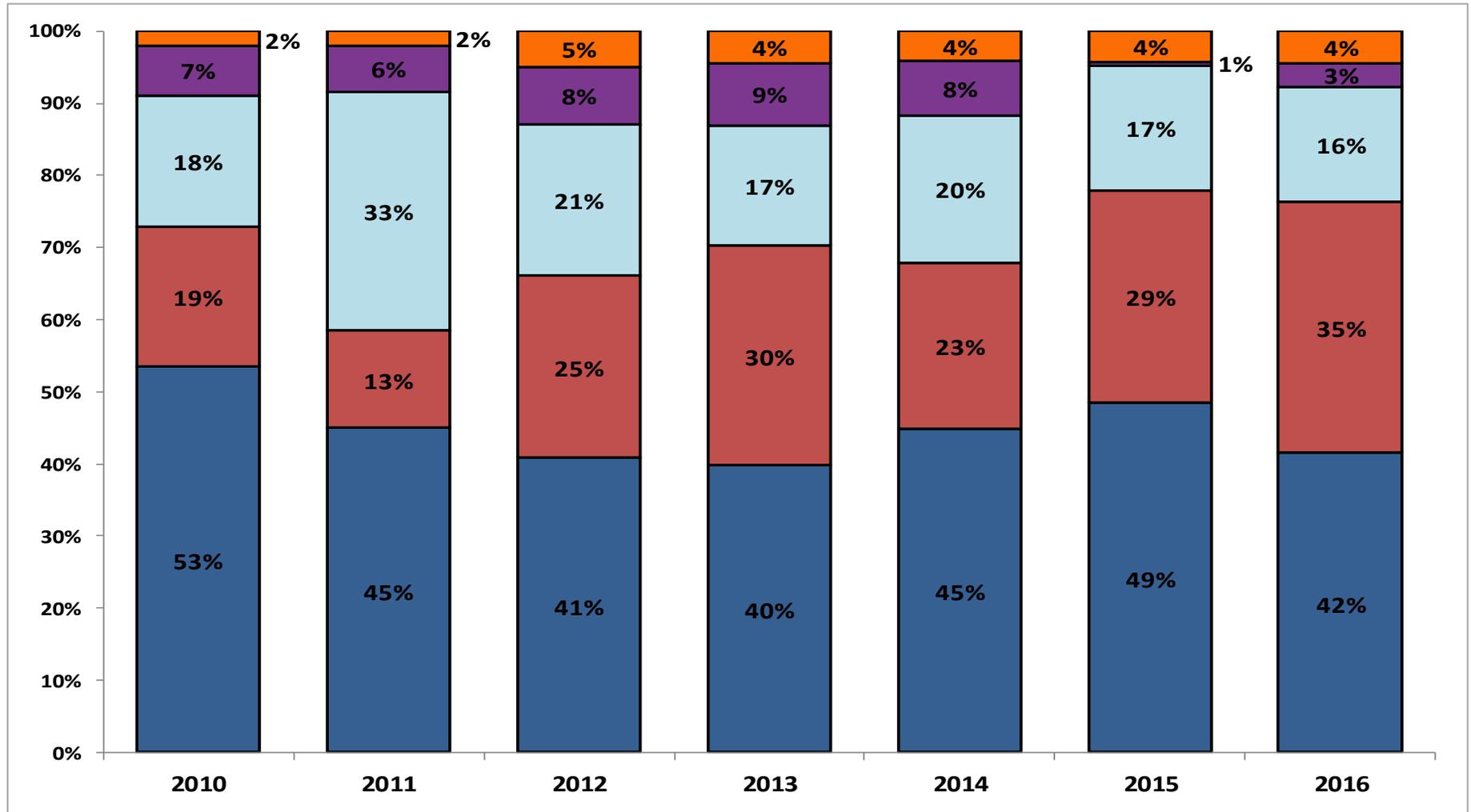
# Gas Supply Breakdown

1st June 2015 to 5th June 2016 vs Previous Year



# Gas Supply Breakdown

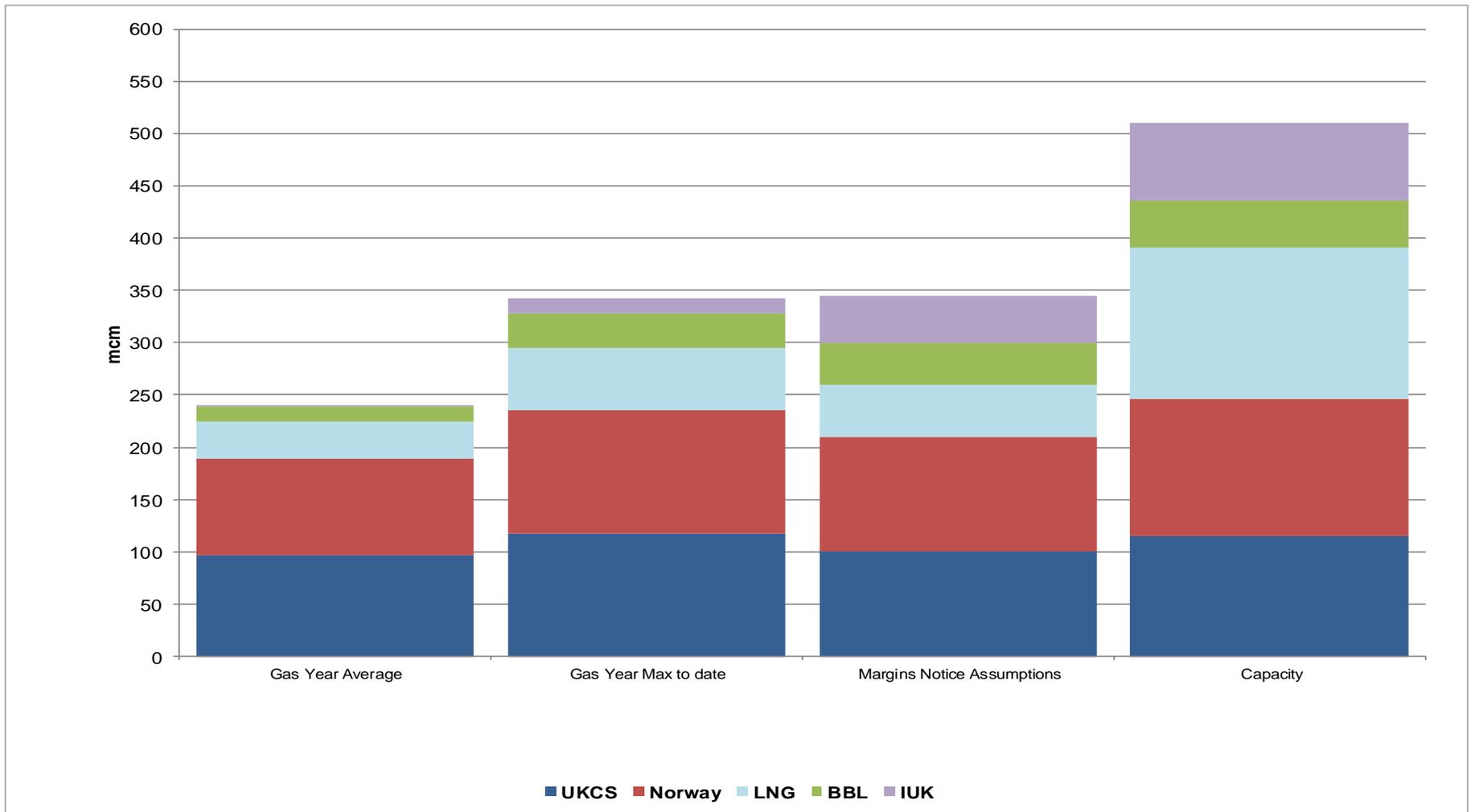
1<sup>st</sup> April to 5th June 2016 vs Same Period in Previous Years



UKCS Norwegian LNG Interconnectors Storage

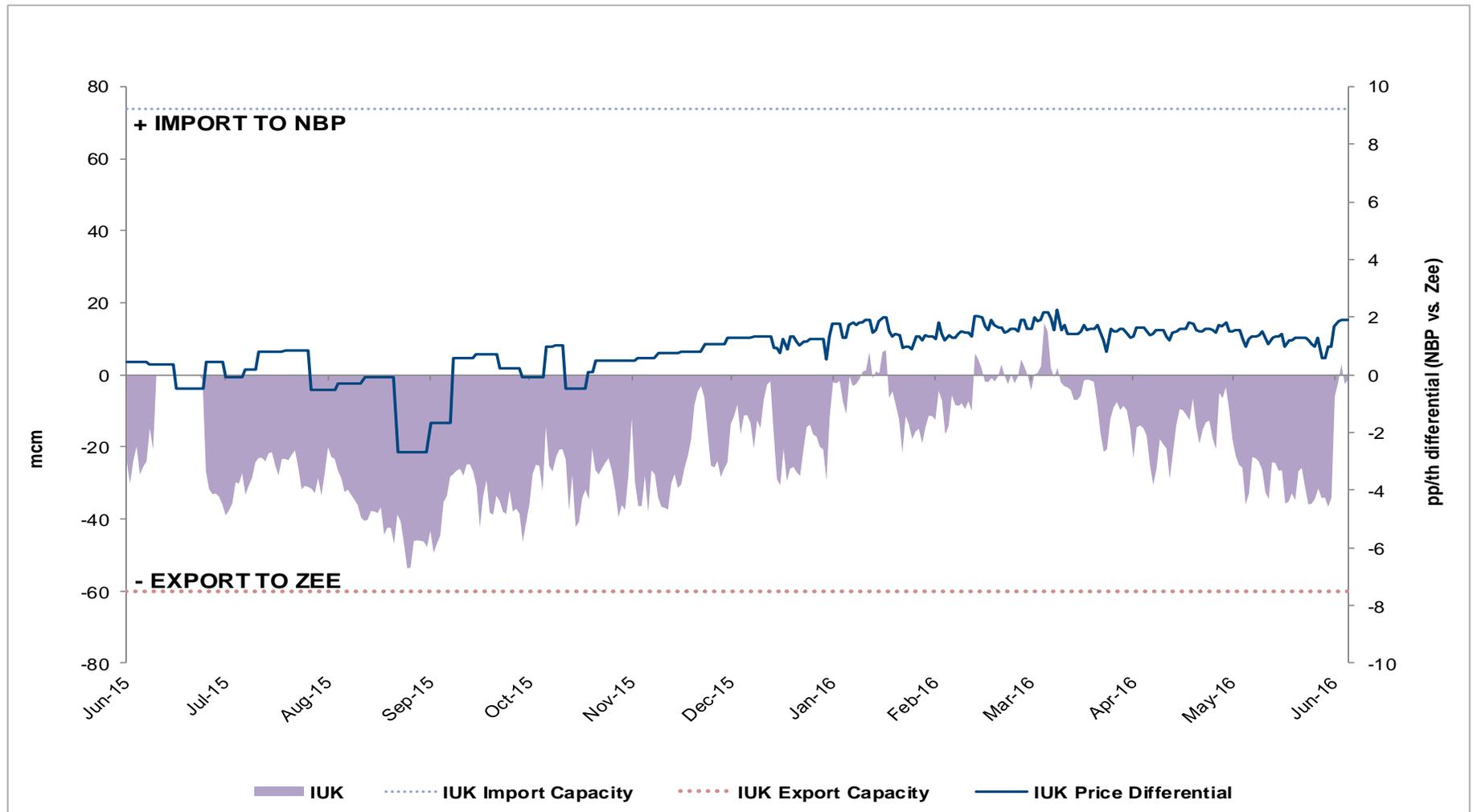
# NSS (Non Storage Supply)

1<sup>st</sup> October 2015 to 5th June 2016



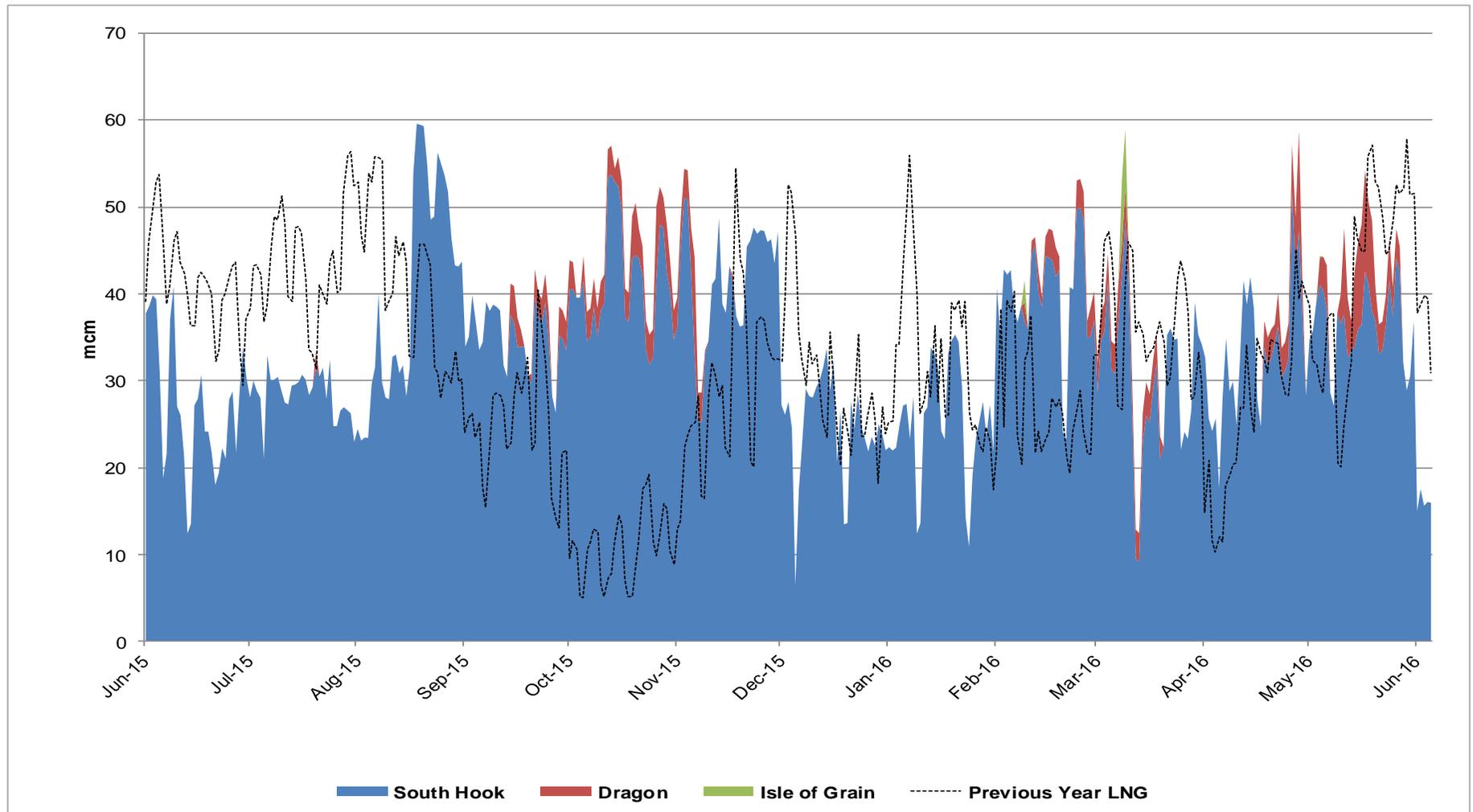
# IUK Flows vs NBP & ZEE Price Differential

1st June 2015 to 5th June 2016



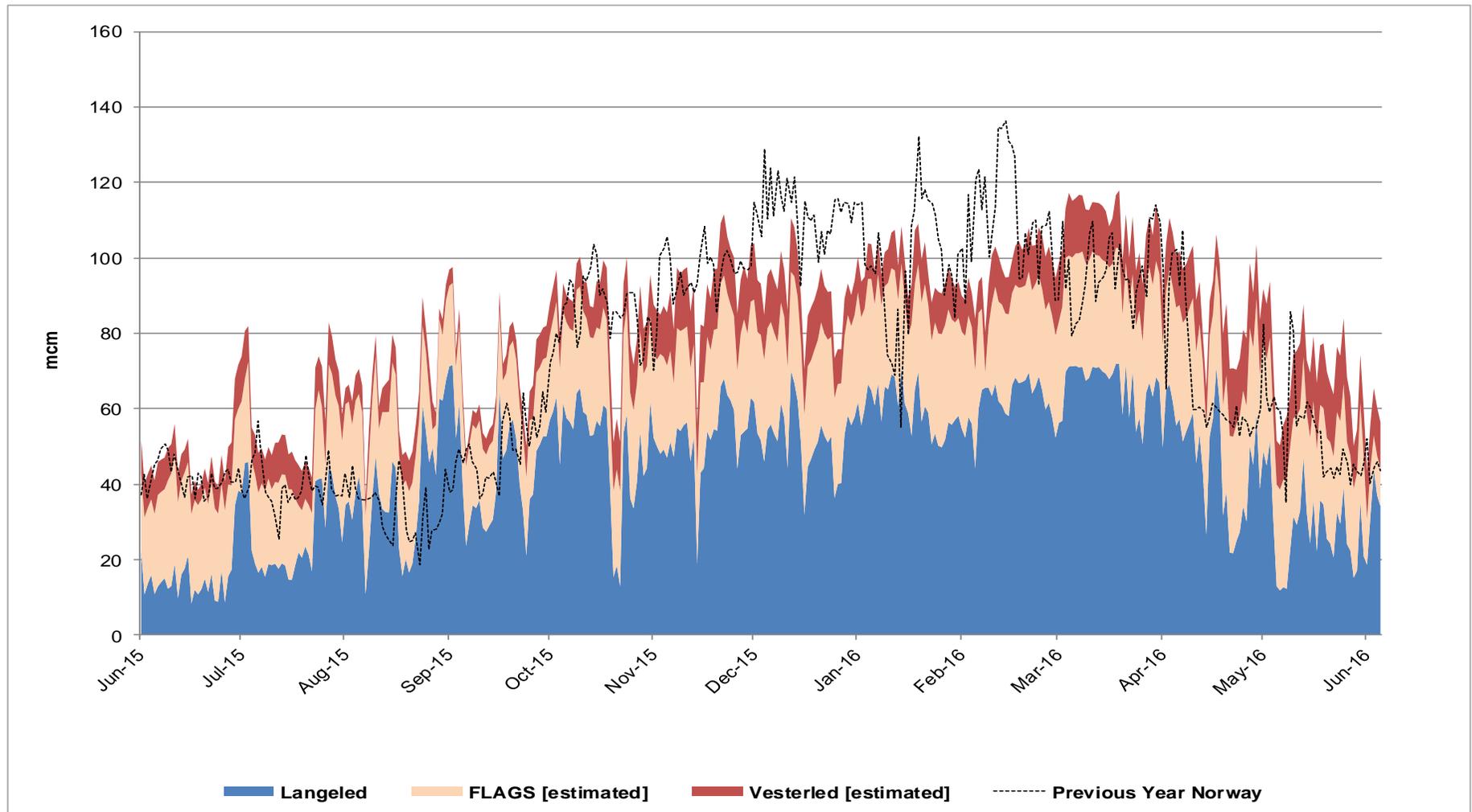
# LNG Terminal Flows

1st June 2015 to 5th June 2016



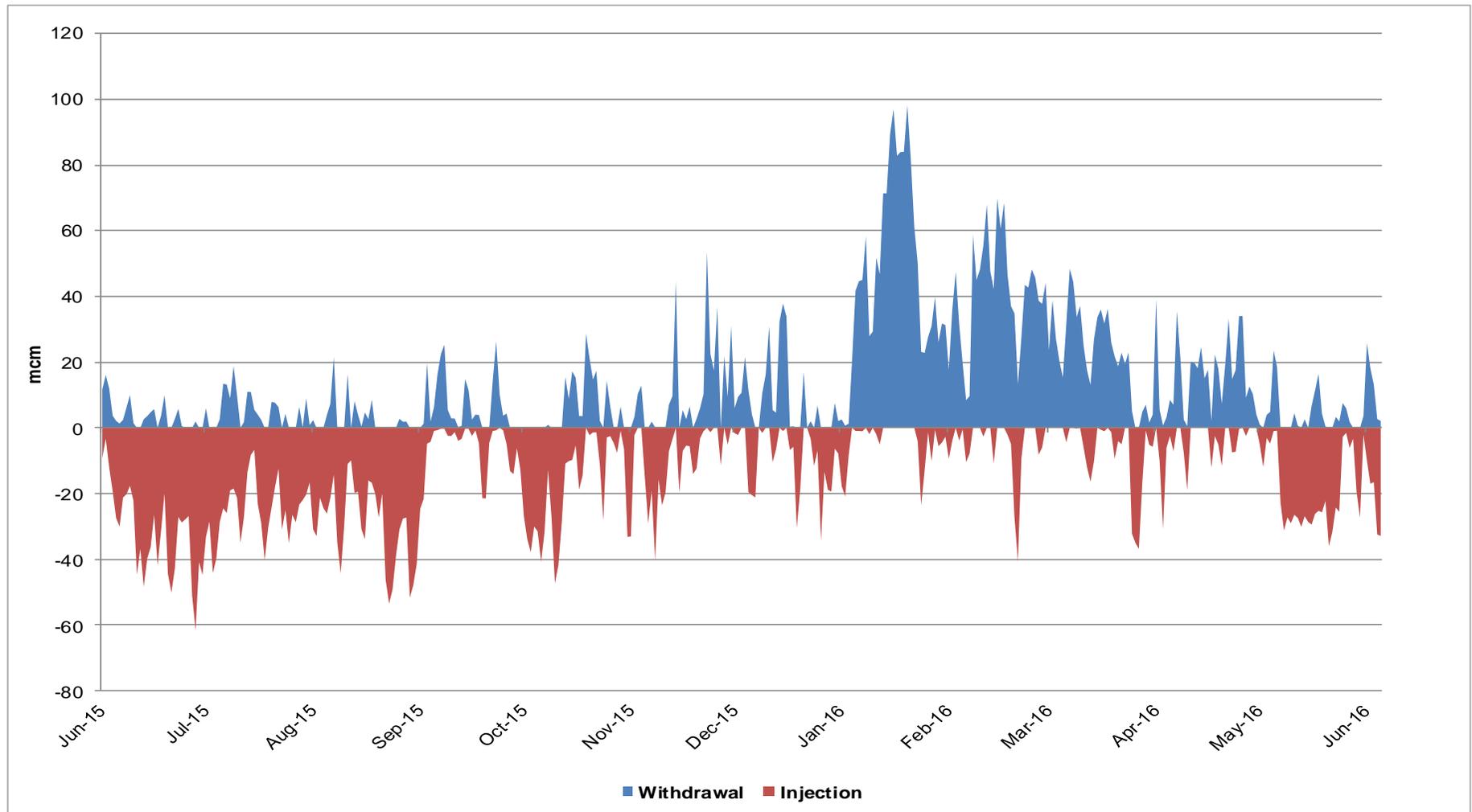
# Norwegian Flows

1st June 2015 to 5th June 2016



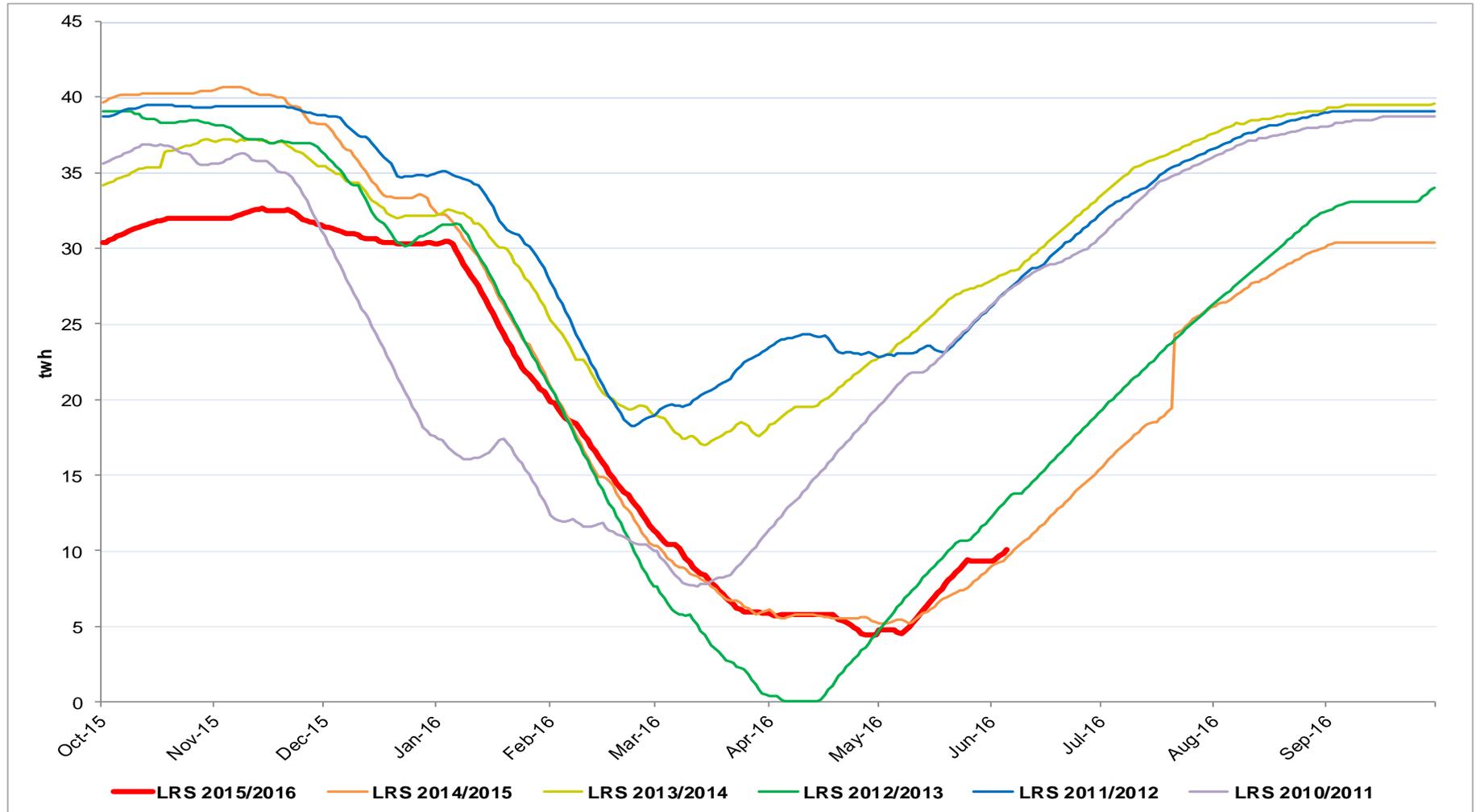
# Storage Withdrawal vs Injection

1st June 2015 to 5th June 2016



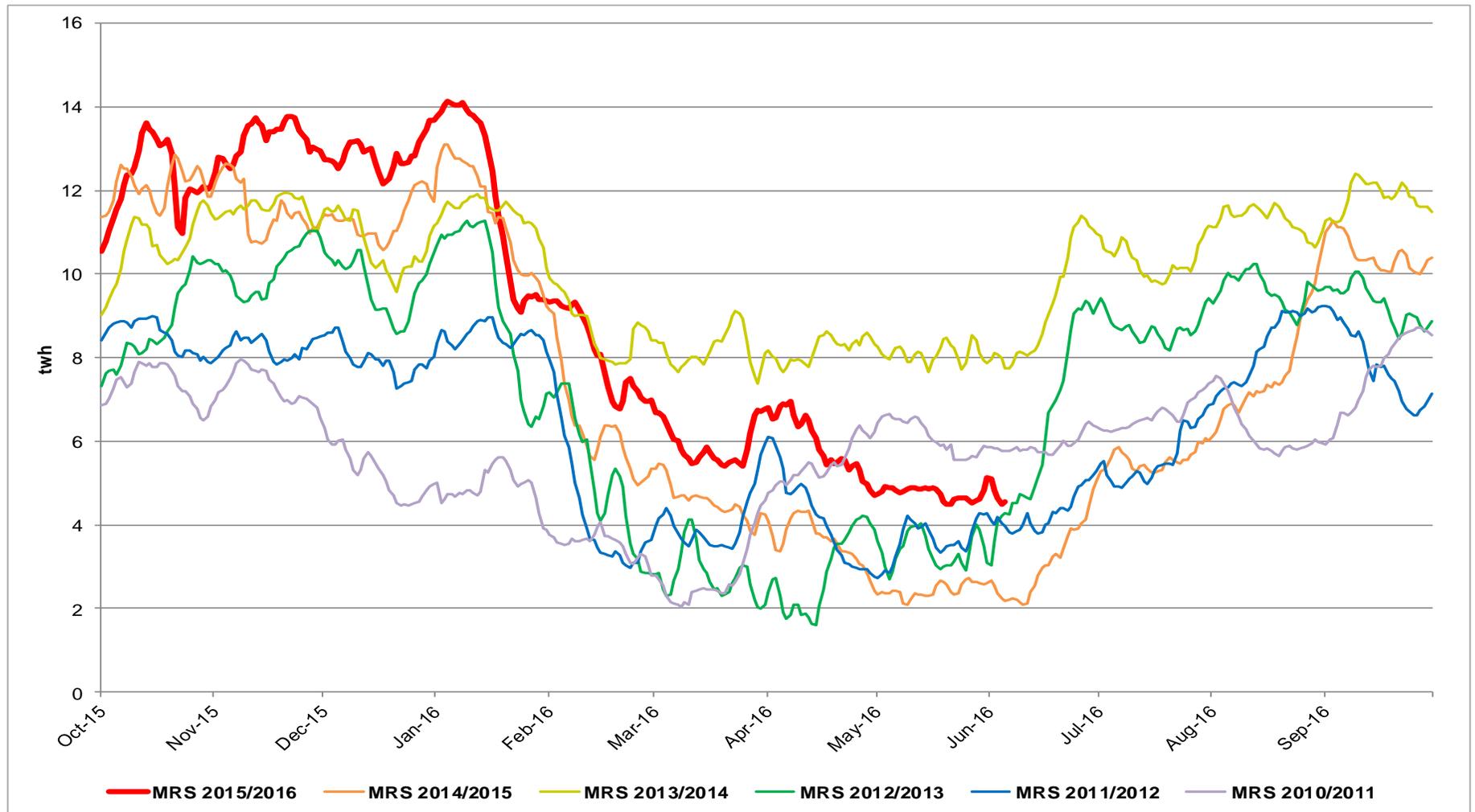
# Long Range Storage Stocks (LRS)

1<sup>st</sup> October 2015 to 5th June 2016 vs Previous Year



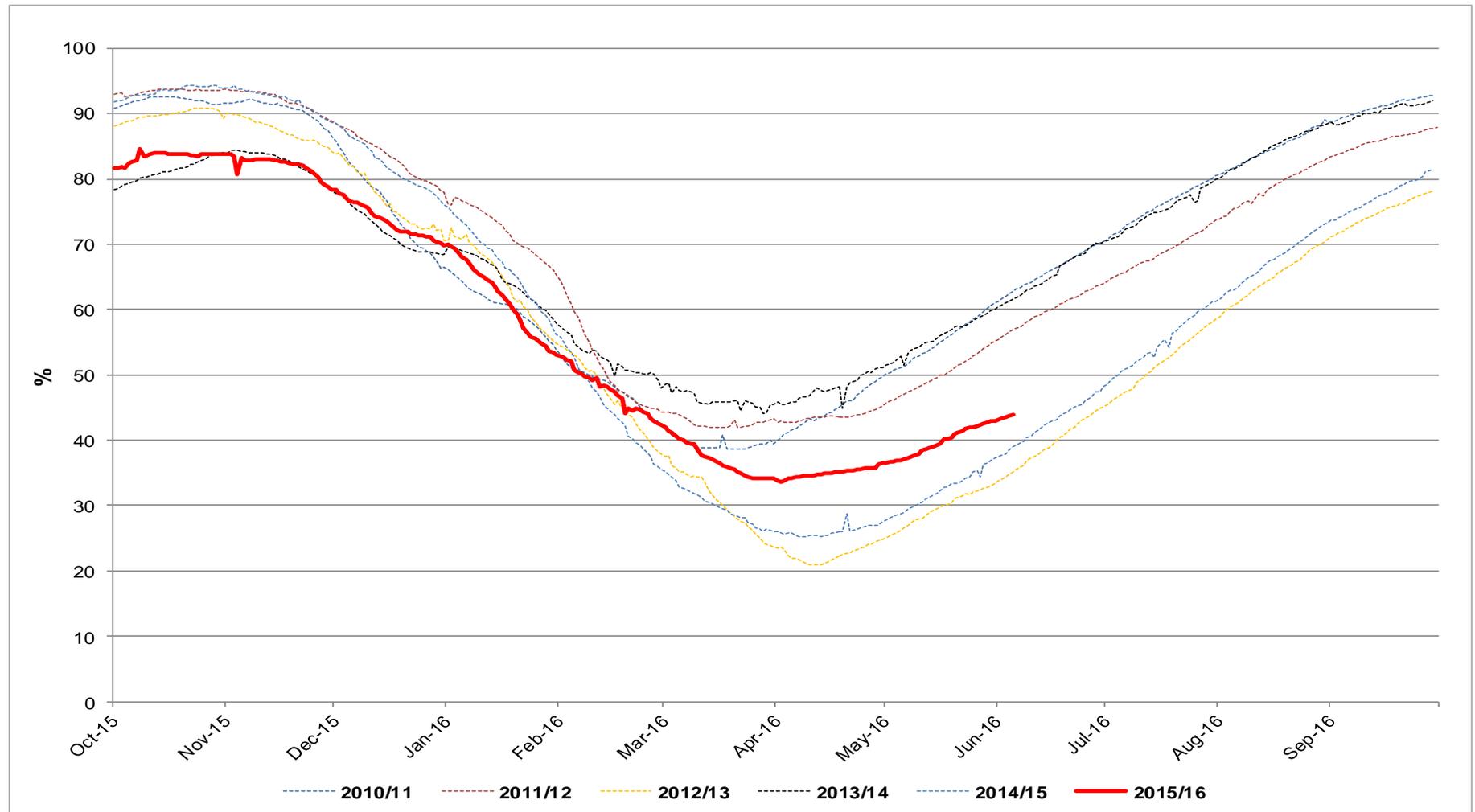
# Medium Range Storage Stocks (MRS)

1<sup>st</sup> October 2015 to 5th June 2016 vs Previous Year



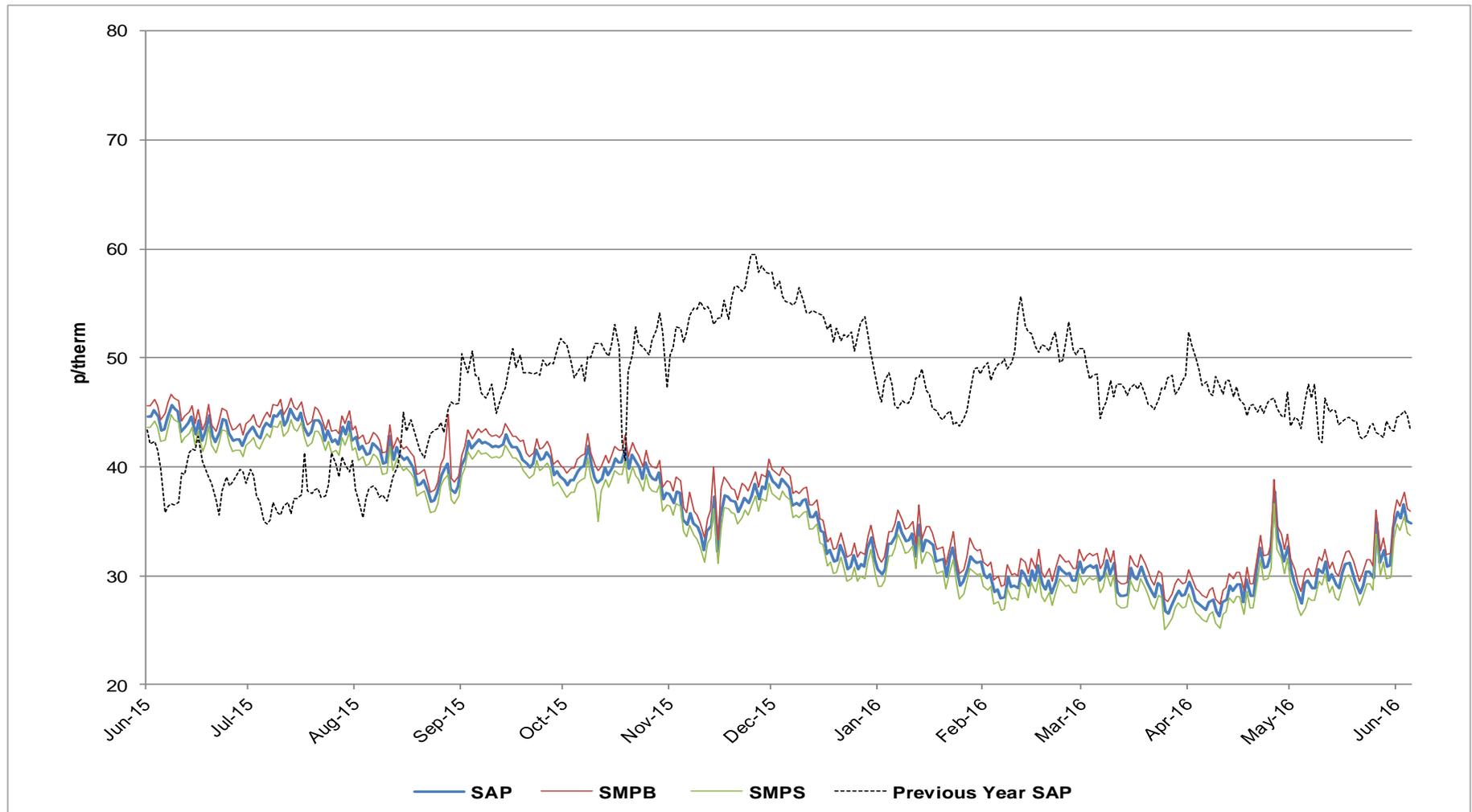
# Combined EU Storage Stocks (% Full)

1<sup>st</sup> October 2015 to 5th June 2016 vs Previous Year



# UK Gas Prices

1st June 2015 to 5th June 2016 vs Previous Year



## What Operational Issues Affected Users?

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## Transporter Actions and Neutrality

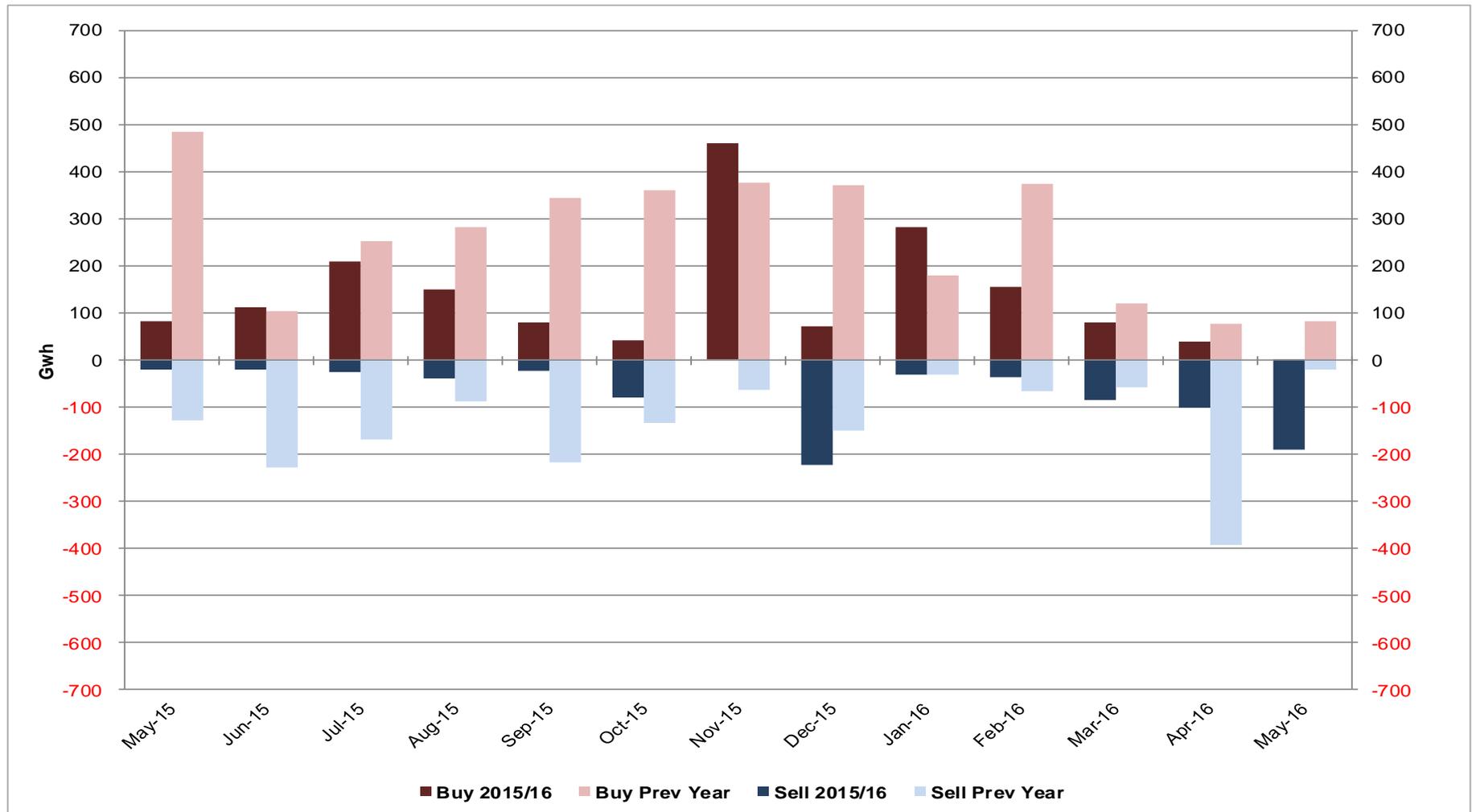


- Energy Balancing
- Capacity

# Transporter Energy Traded on the OCM

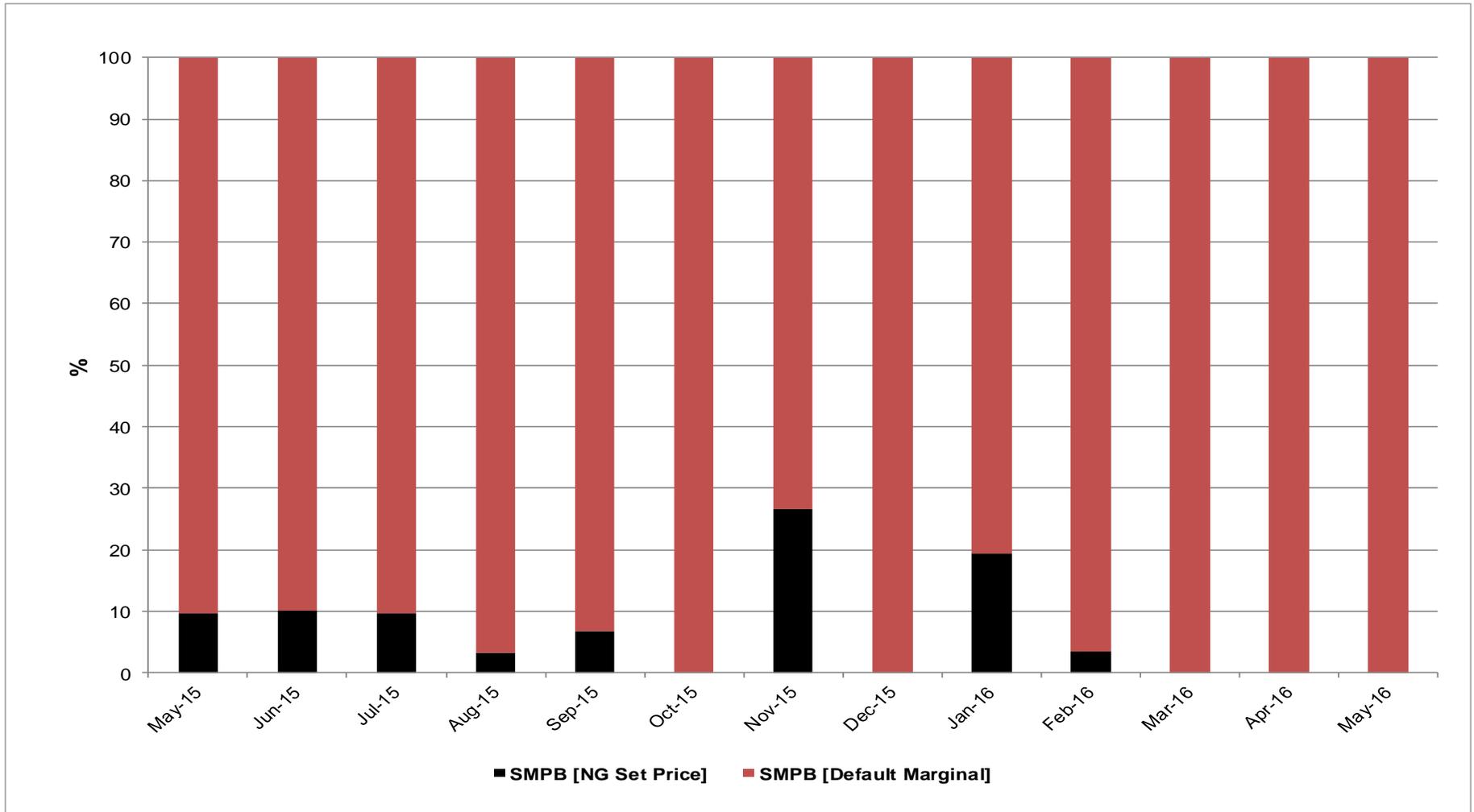
## NGG Monthly Buys and Sells

### May 2015 to May 2016 vs Previous Year



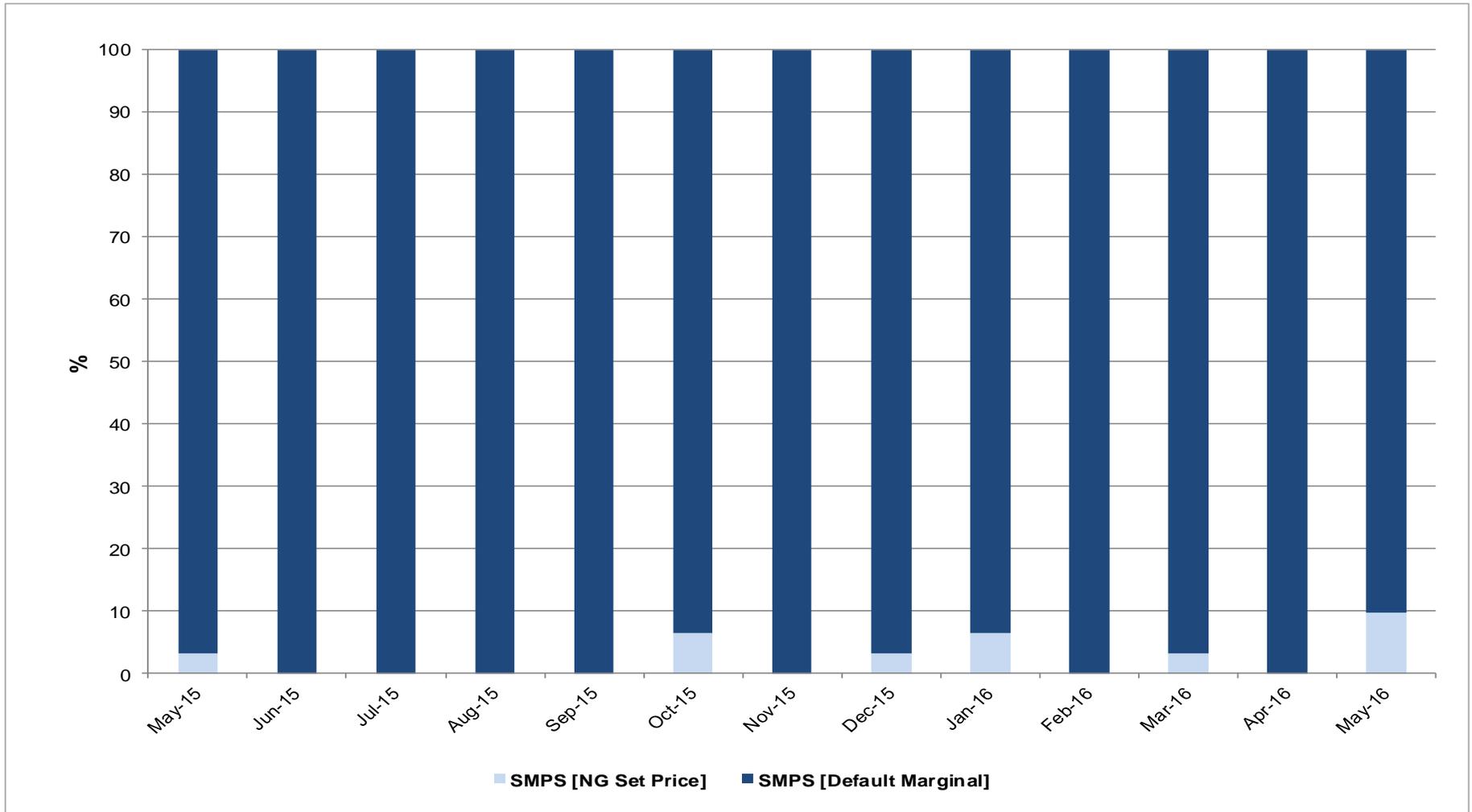
# Days of Default SMP Prices (SMPB)

May 2015 to May 2016



# Days of Default SMP Prices (SMPS)

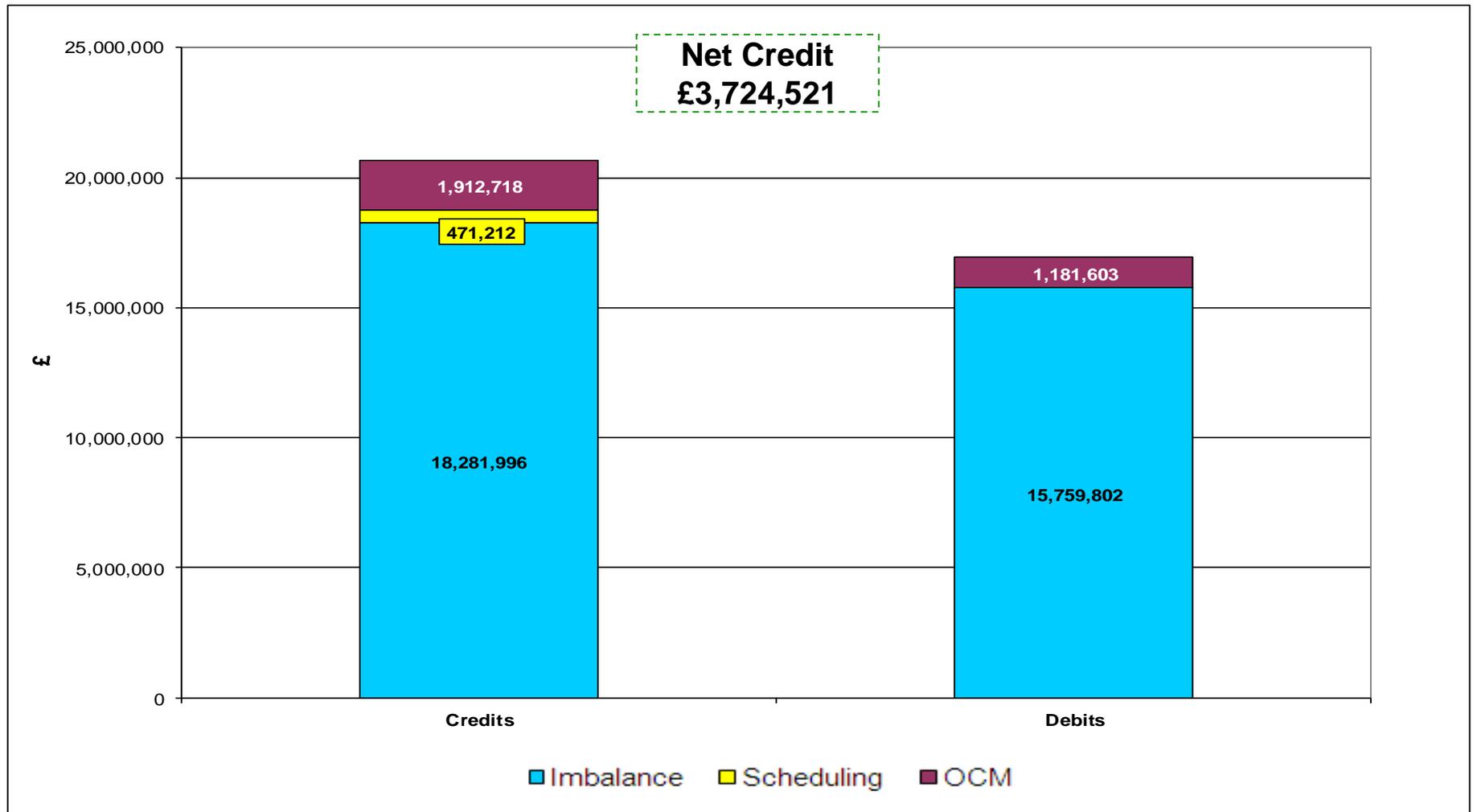
May 2015 to May 2016



# Energy Balancing - Balancing Costs

Payments / Charges / Net Credit / Debit (Imbalance / Scheduling / OCM)

May 2016



# Energy Balancing - Balancing Costs

nationalgrid

Payments / Charges / Net Credit / Debit (Imbalance / Scheduling / OCM)

March to April 2016

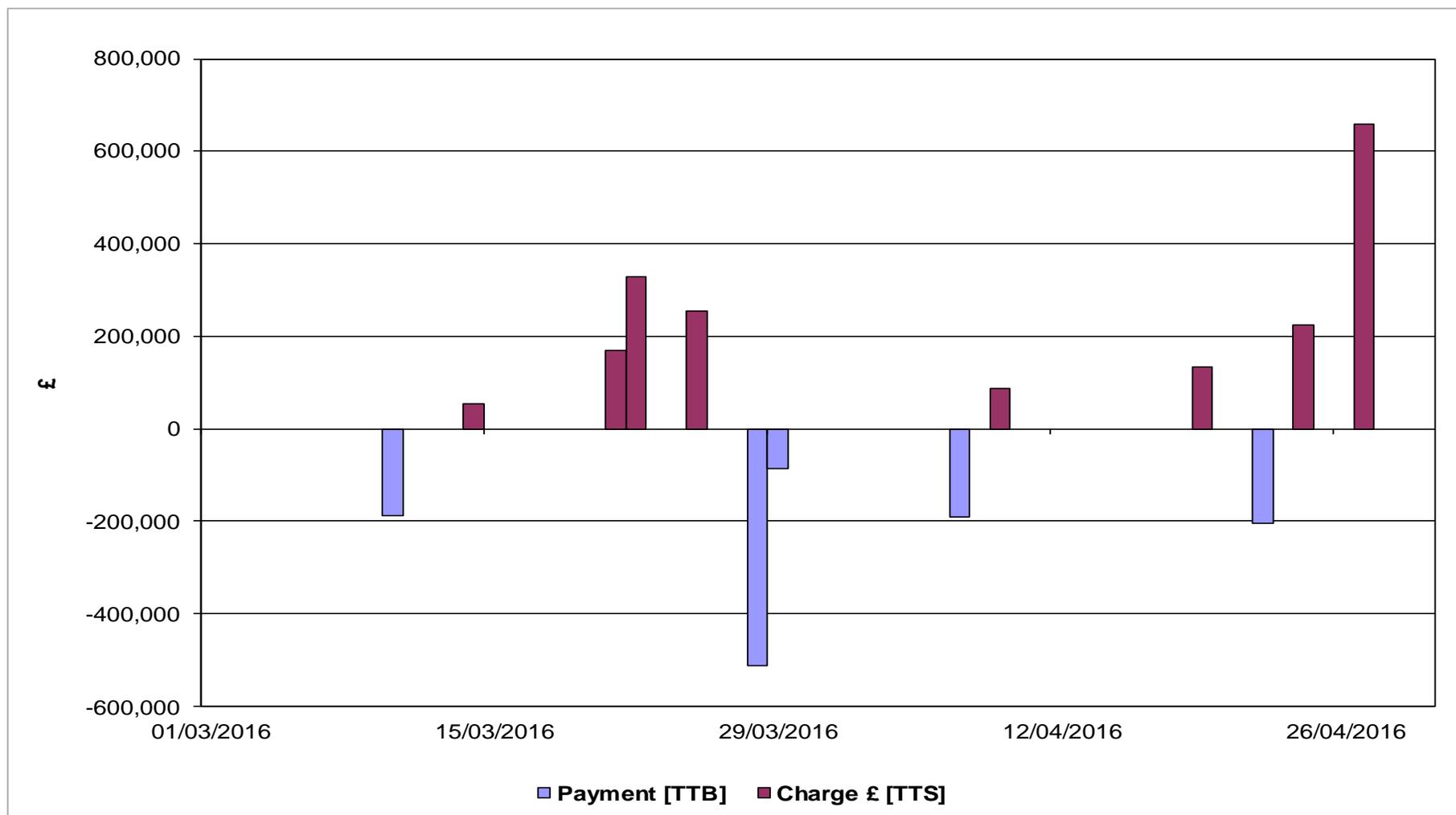
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		<b>Mar-16</b>	<b>Apr-16</b>
<b>Imbalance</b>	Payment £ [DCS]	-8,727,034	-7,032,769
	Charge £ [DCT]	9,031,528	9,250,468
<b>Scheduling</b>	Exit Charge £ [DXS]	6,360	6,646
	Exit Charge £ [EXS]	58,574	45,556
	Entry Charge £ [ESC]	198,666	155,411
<b>OCM</b>	Payment £ [TTB]	-785,346	-396,256
	Charge £ [TTS]	806,926	1,105,792
<b>Balancing Costs</b>		<b>589,673</b>	<b>3,134,848</b>

# Energy Balancing - Balancing Costs

OCM Payments / Charges

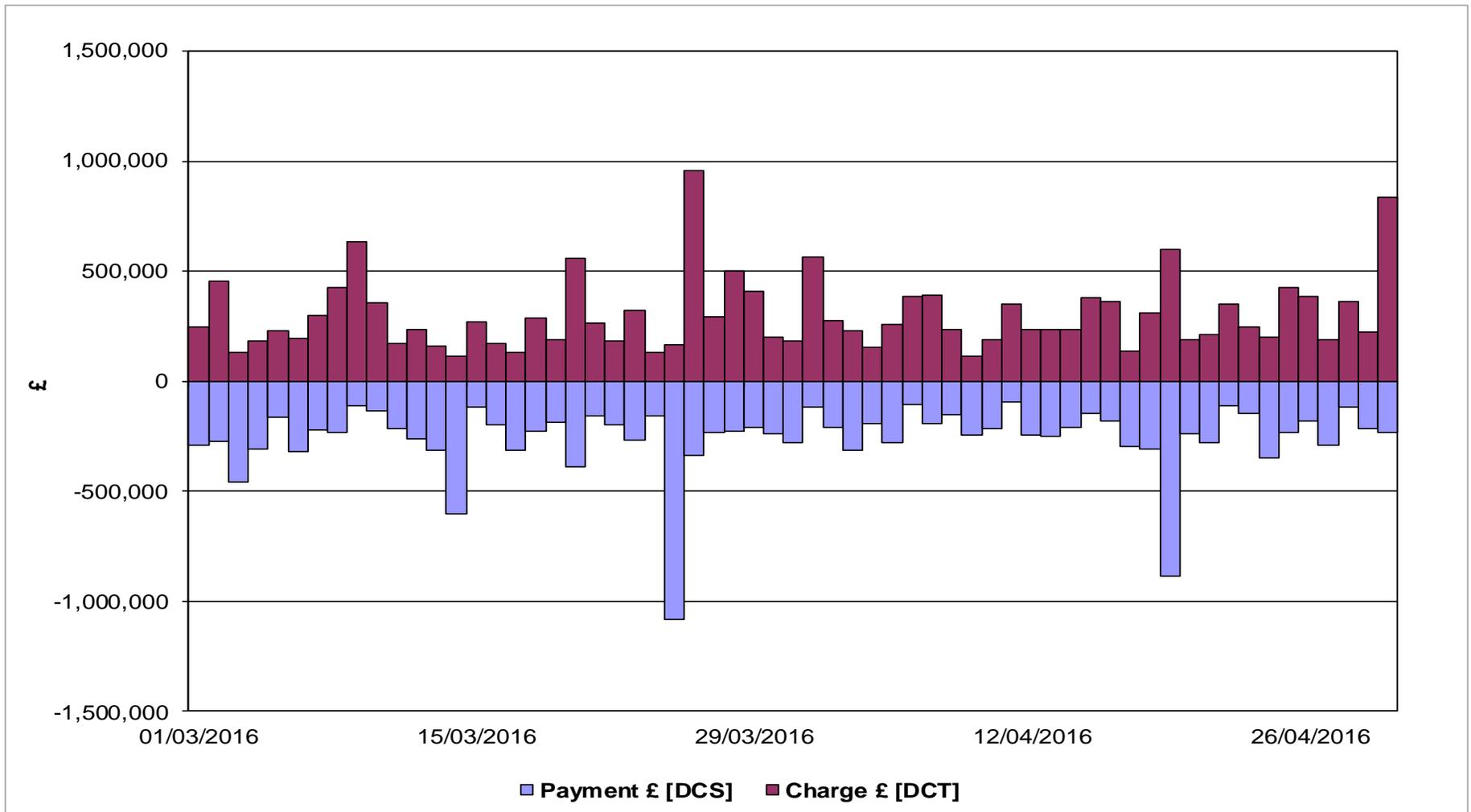
March to April 2016



# Energy Balancing - Balancing Costs

Imbalance Payments / Charges

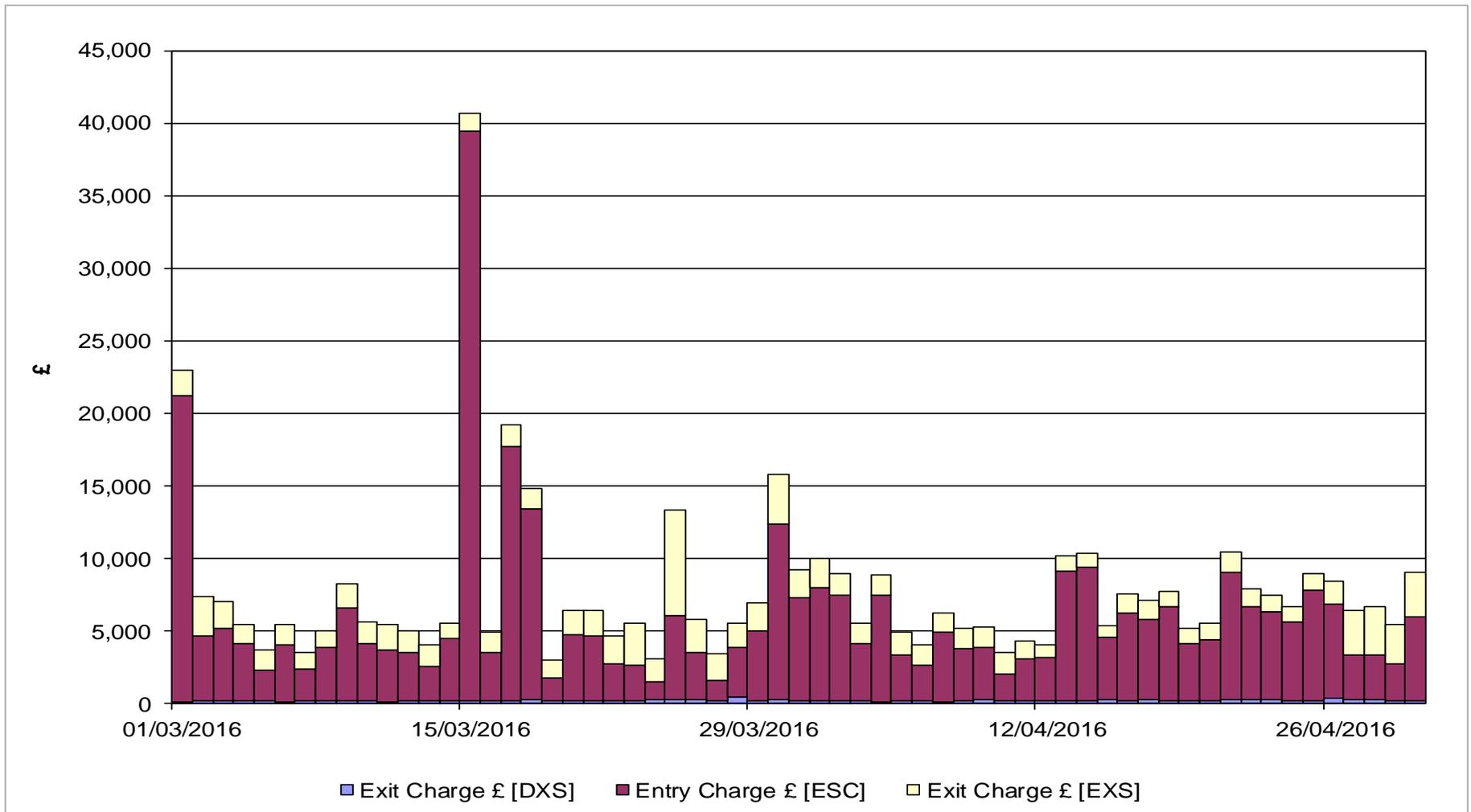
March to April 2016



# Energy Balancing - Balancing Costs

## Scheduling Charges

March to April 2016



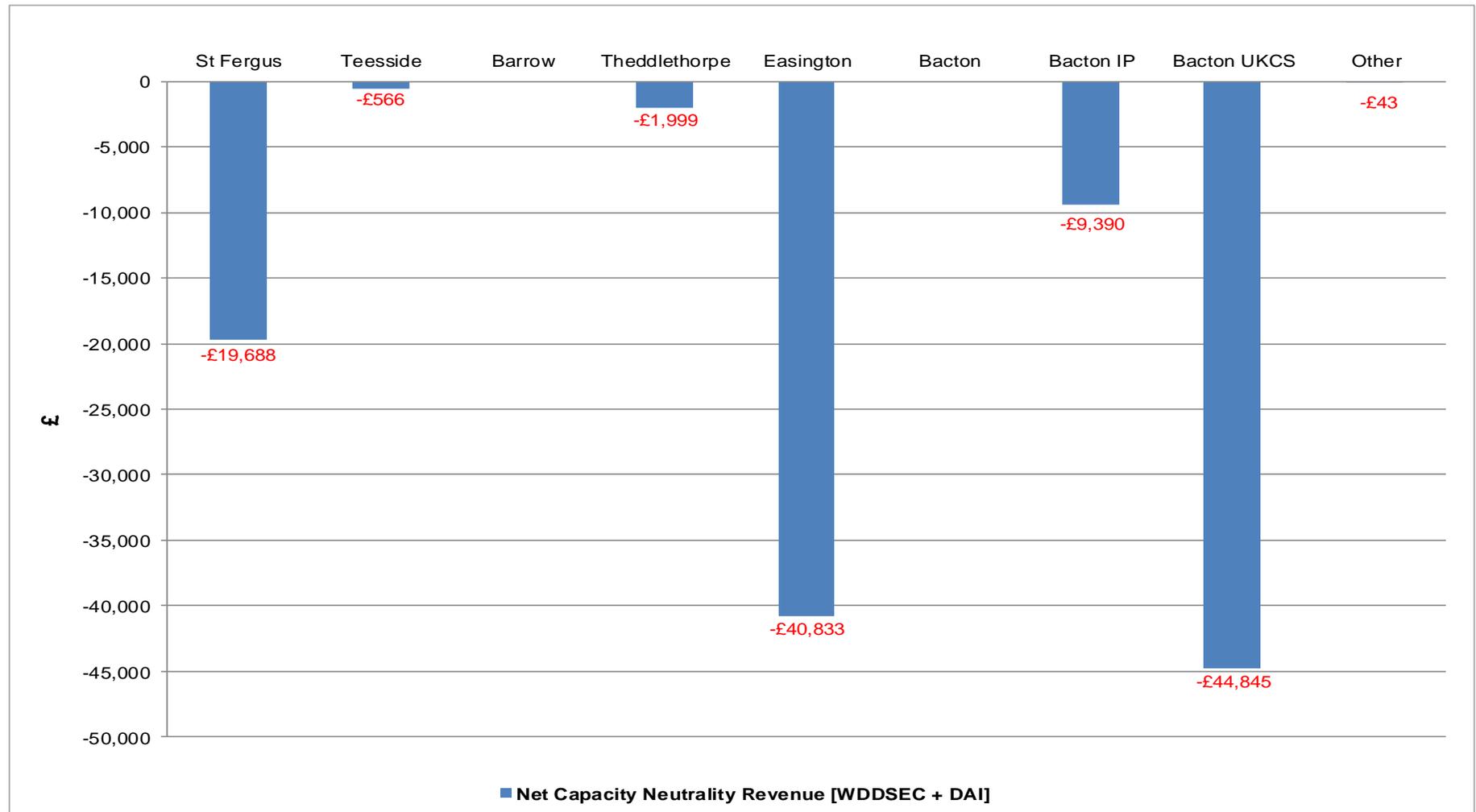
# Capacity Neutrality Net Cost / Revenue

1<sup>st</sup> May 2016 to 31<sup>st</sup> May 2016

	Revenue/Costs
WDDSEC/DAI Entry Capacity Revenue	-£117,369
Total Entry Constraint Management Operational Costs	£0
Entry Capacity Overrun Revenue	-£110,246
Non-Obligated Sales Revenue (Entry only)	-£169
Revenue from Locational Sells and PRI Charges	£0
<b>Net Revenue</b>	<b>-£227,784</b>

# Net Capacity Neutrality Revenue

1<sup>st</sup> April 2016 - 30<sup>th</sup> May 2016



# Capacity Neutrality

1<sup>st</sup> April 2016 - 31<sup>st</sup> May 2016

Month	Entry Cap Overrun Revenue	Non-obligated sales revenue (entry)	Month	Locational Sells and PRI charges revenue
Apr-16	-£110,246	-£148	Apr-16	£0
May-16	£0	-£21	May-16	£0
Jun-16			Jun-16	
Jul-16			Jul-16	
Aug-16			Aug-16	
Sep-16			Sep-16	
Oct-16			Oct-16	
Nov-16			Nov-16	
Dec-16			Dec-16	
Jan-17			Jan-17	
Feb-17			Feb-17	
Mar-17			Mar-17	
<b>Total</b>	<b>-£110,246 (FY16-17)</b>	<b>-£169 (FY16-17)</b>	<b>Total</b>	<b>£0 (FY16/17)</b>