

## Operational Update



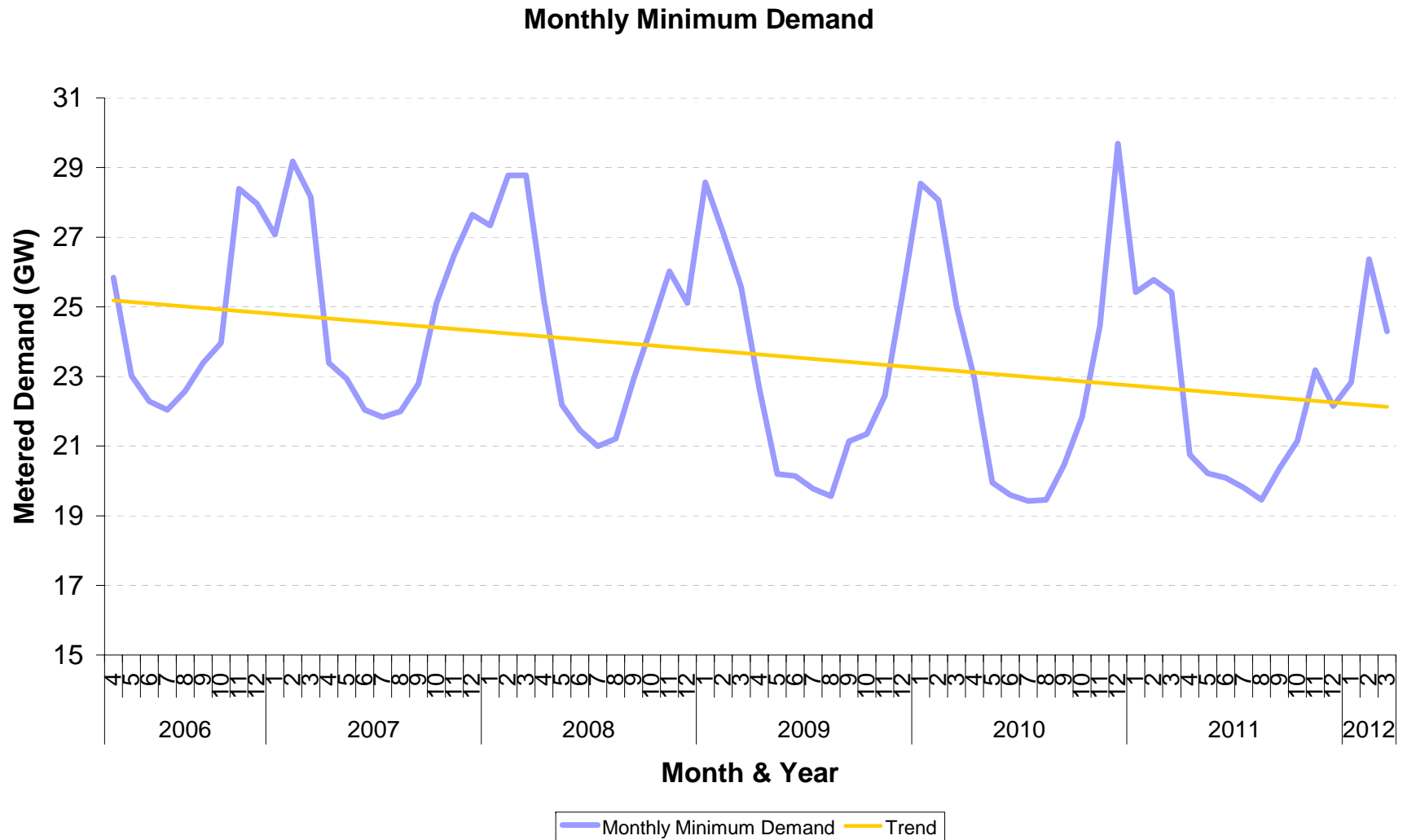
Paul Hurlock, Operational Forum, April 2012

# Voltage Control

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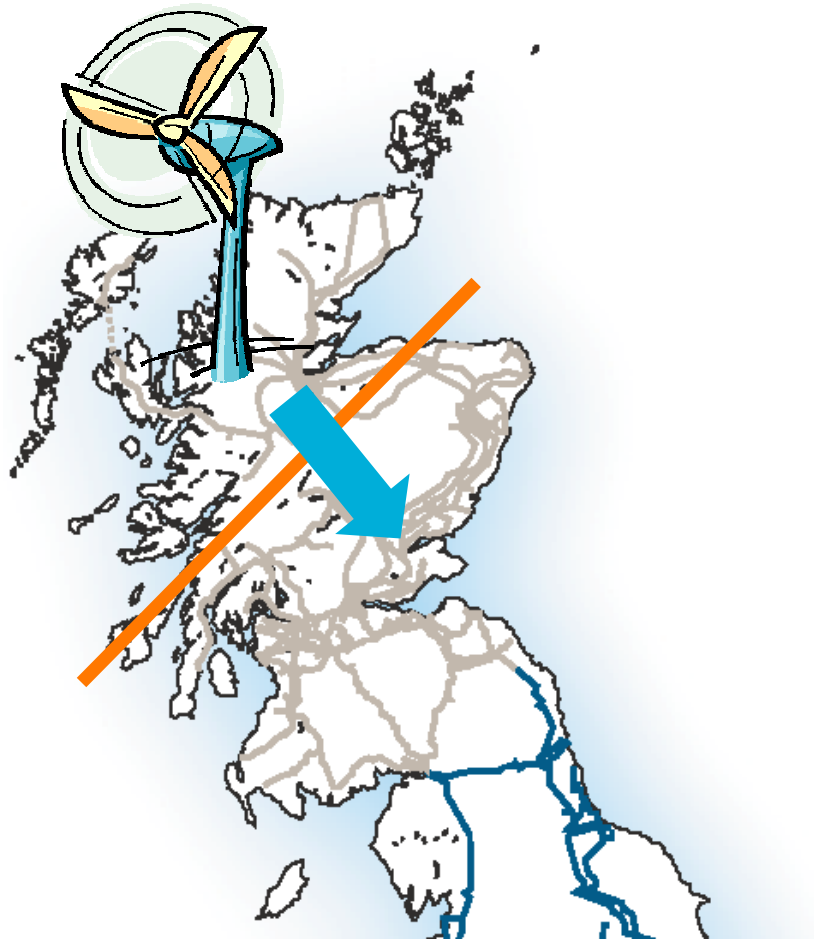
- Continuing issues with high volts overnight
- On-going need to run generation in addition to system actions
- Tender currently running
- Responses received by 10<sup>th</sup> April
- Contracts to start from 26<sup>th</sup> April

# Monthly Minimum Demand



## North-West Scotland

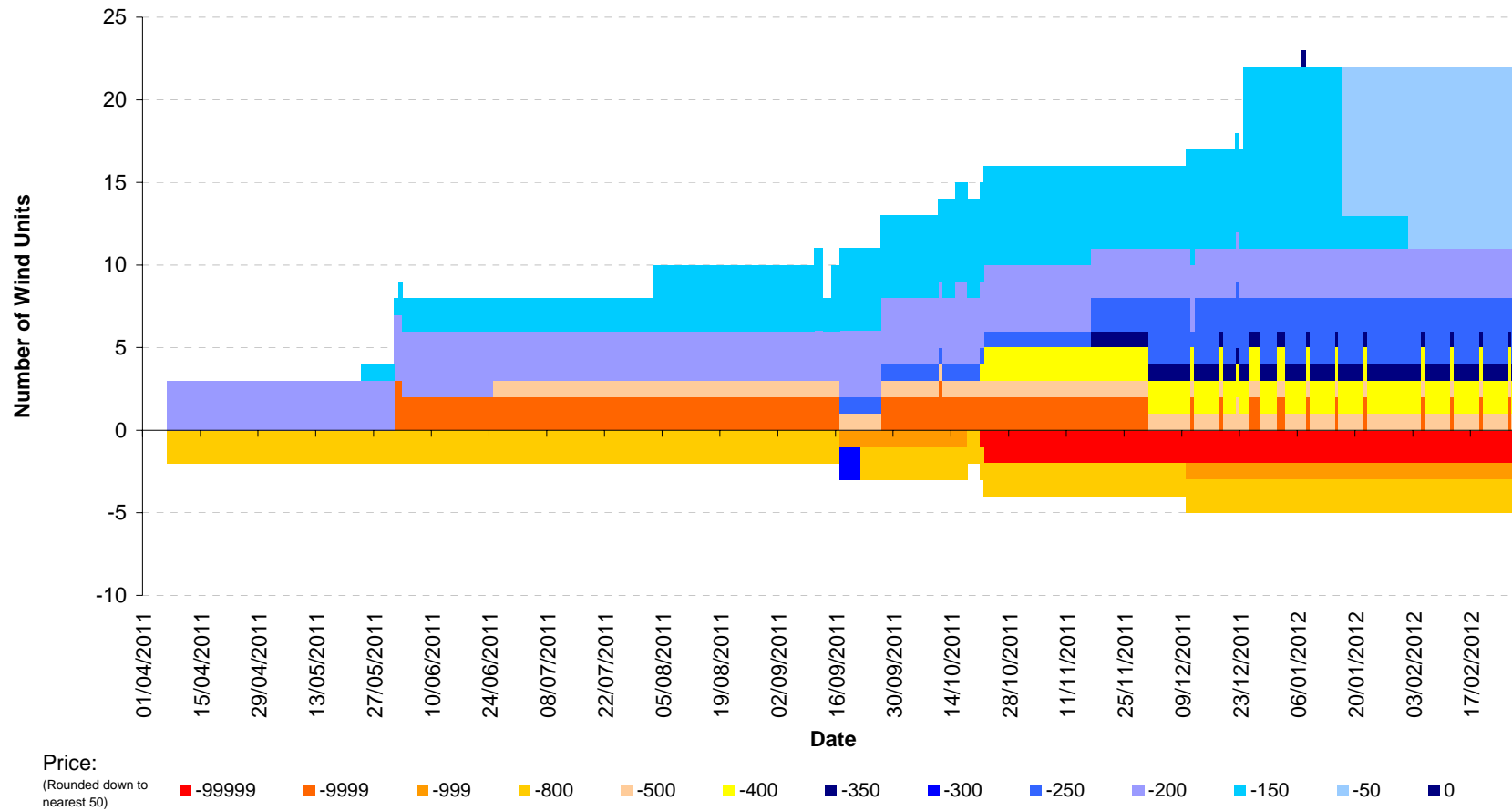
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- Specific combination of outages in north-west Scotland
- Limited options - Can only resolve constraint via hydro and wind units
- Prices taken between £-97/MWh & £-340/MWh

# Price changes on Wind BMUs

**Change in Number of Wind BMUs Submitting Price  
for First Bid Price Band Since 1st April 2011 in Period 6**



## Summer Outlook Report 2012

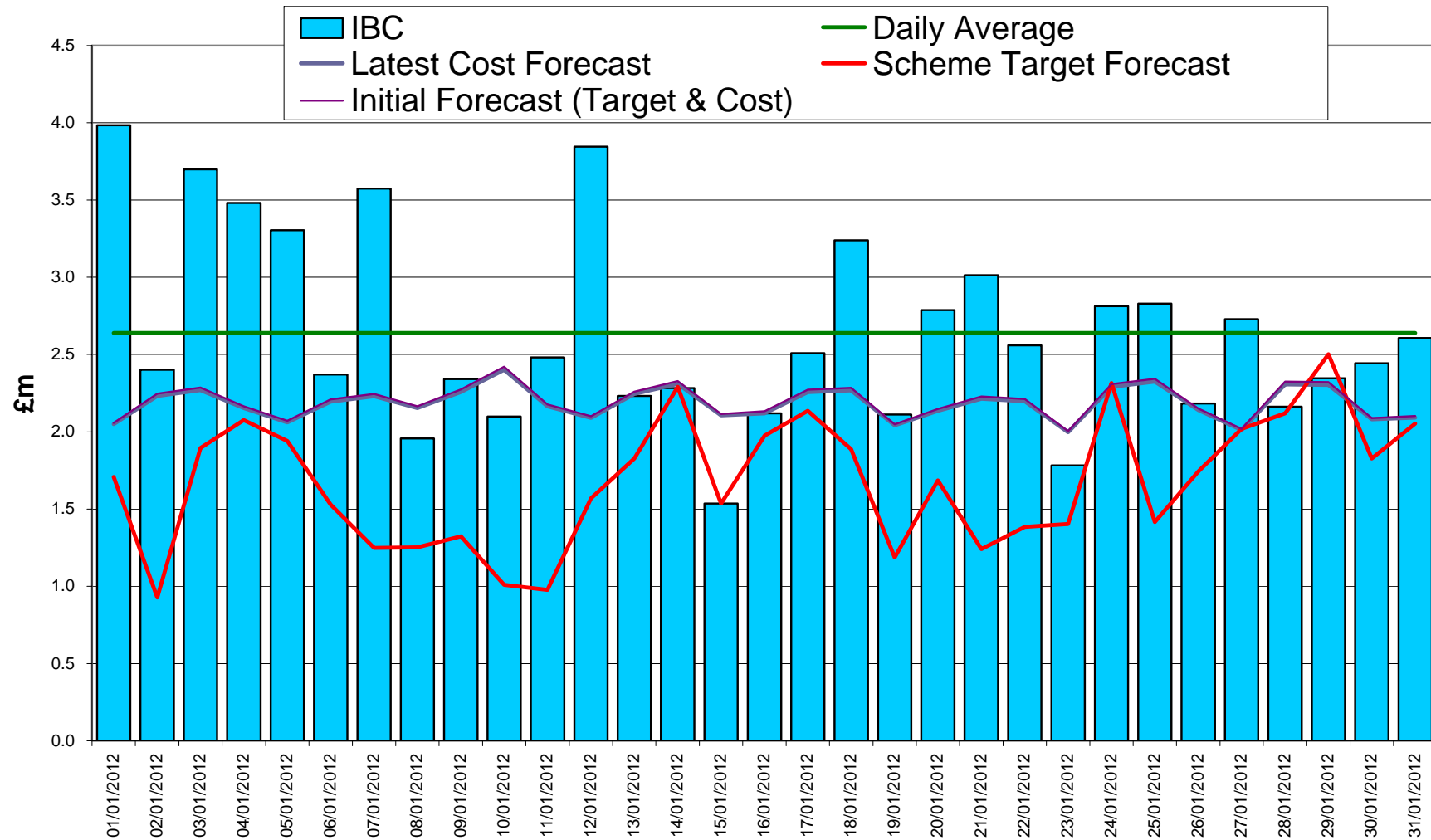
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- The Summer Outlook Report is coming!
- Presents a view of the issues that may affect the operation of the system over the coming months
- Due to be published on the 13<sup>th</sup> April 2012

## System Operator Cost Update

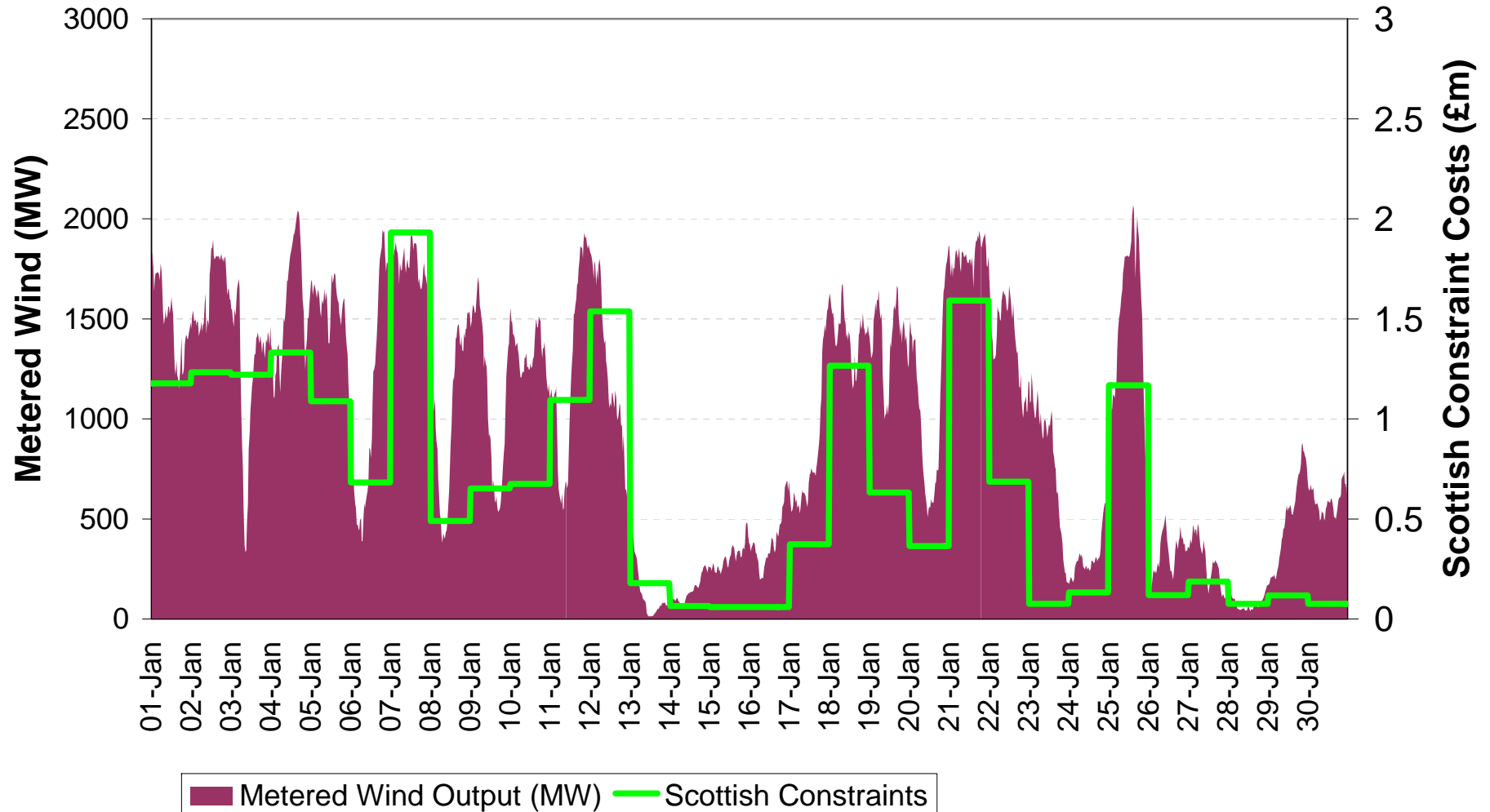


# Total Incentivised Balancing Cost (IBC) for January 2012

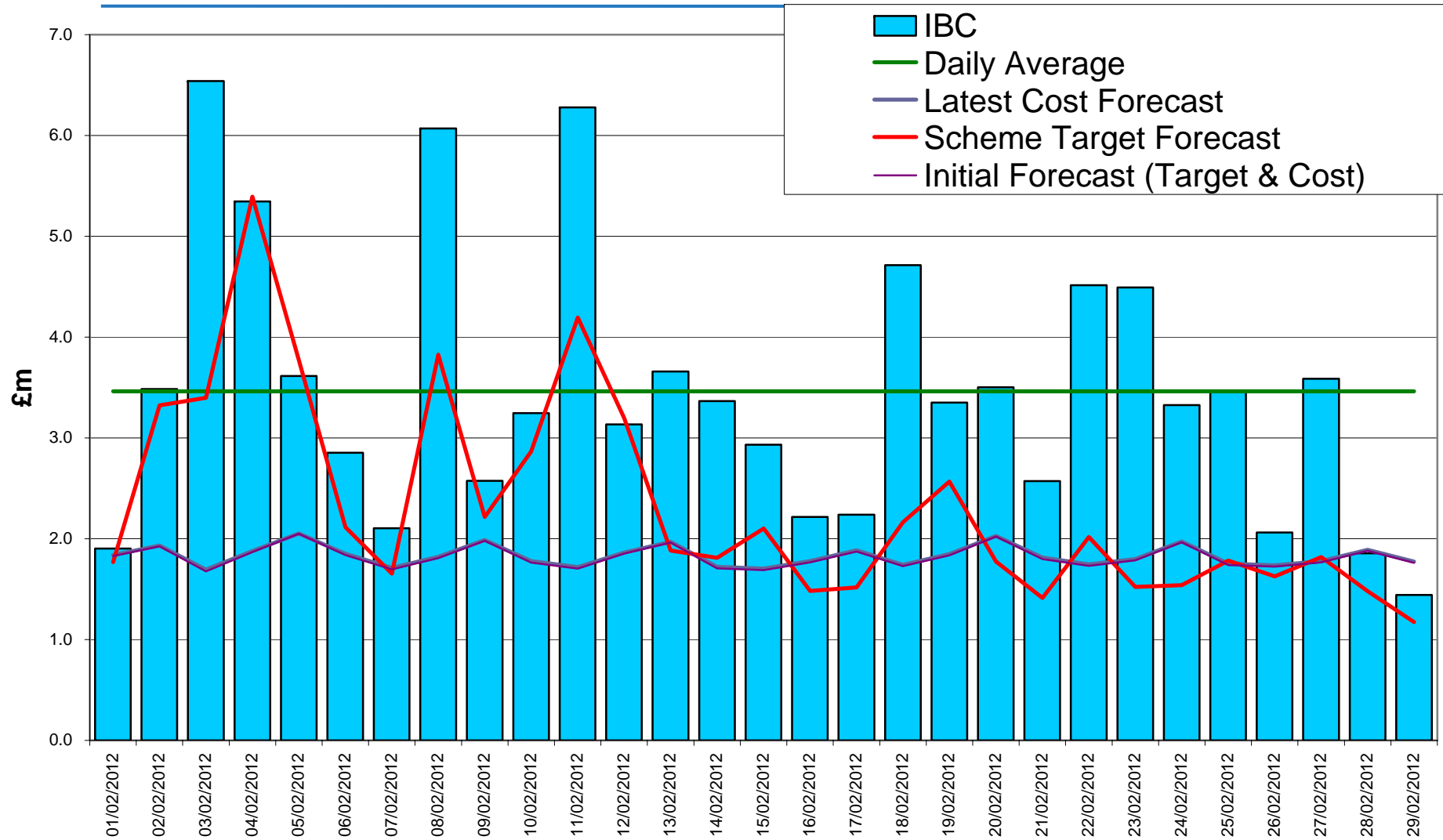




# Scottish Wind vs Constraint Cost

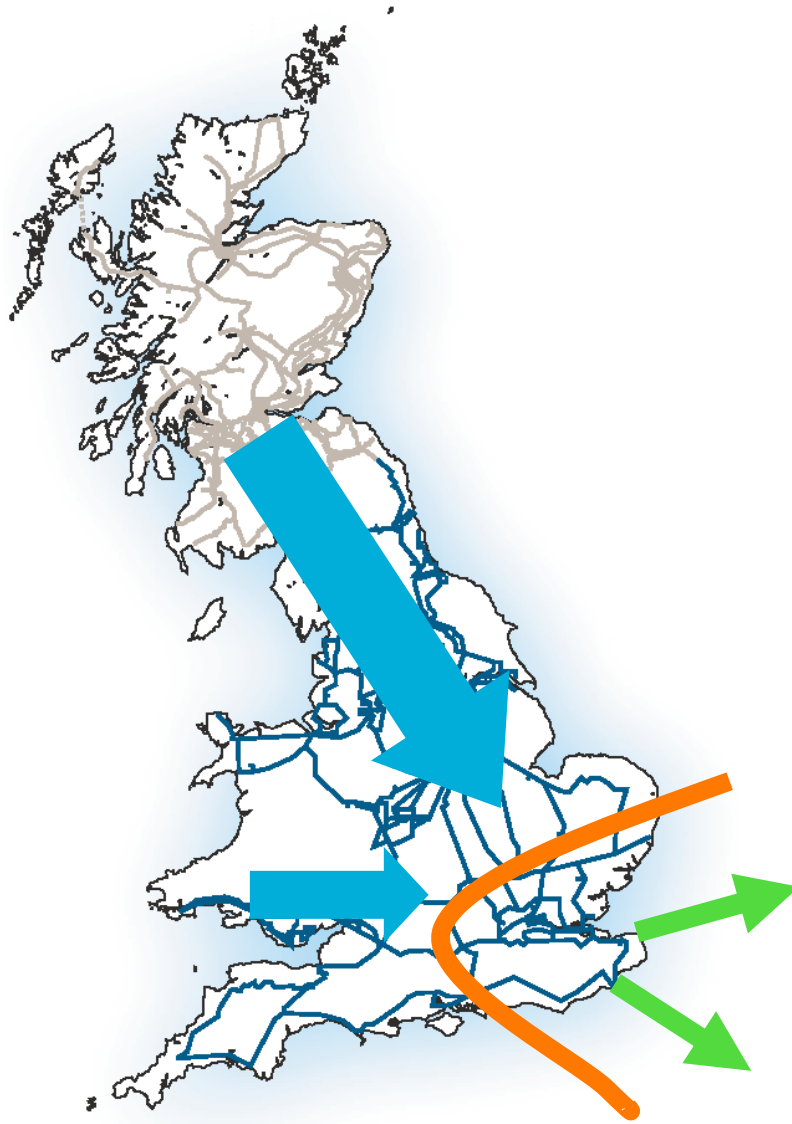


# Total Incentivised Balancing Cost (IBC) for February 2012



## South-East Constraints

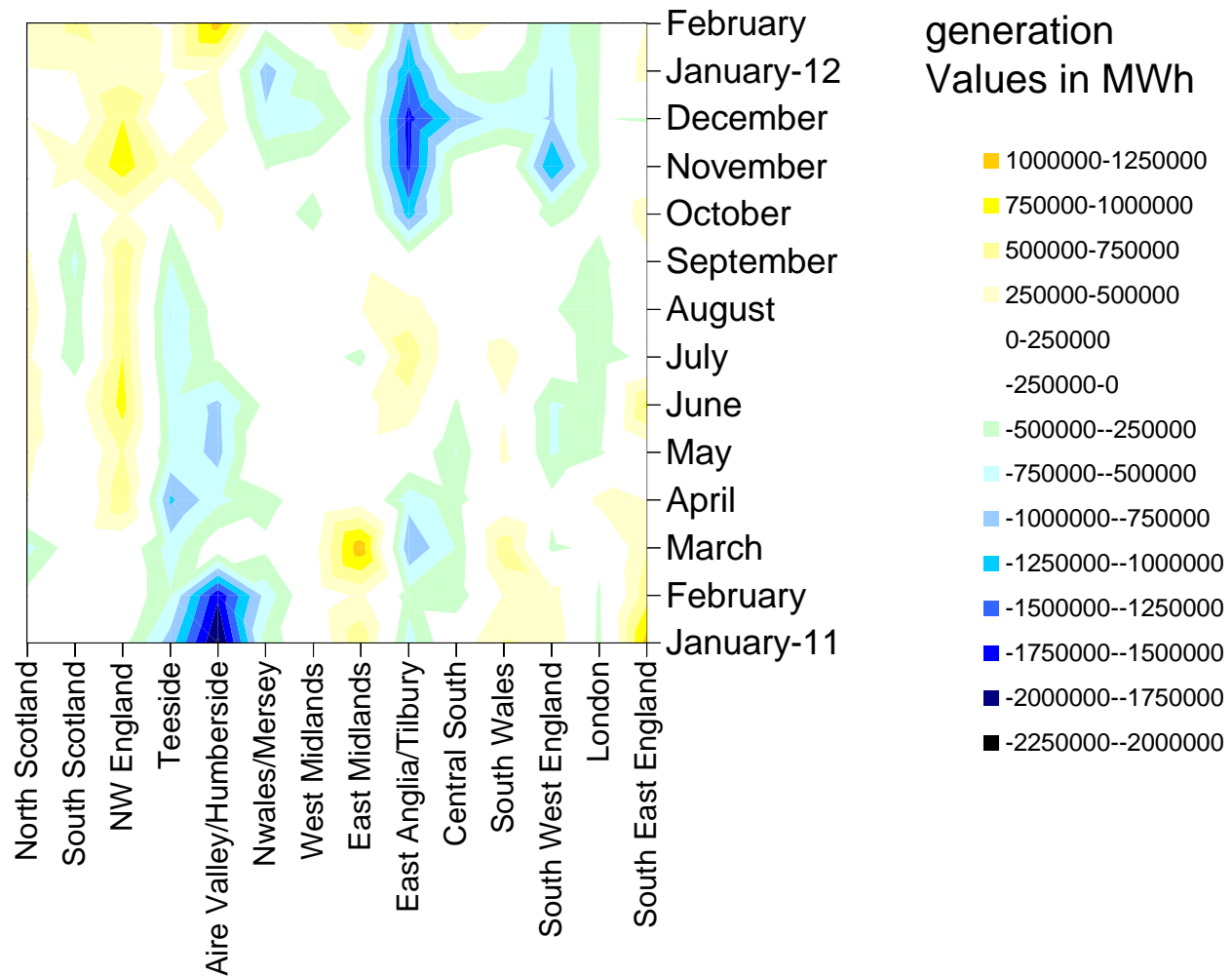
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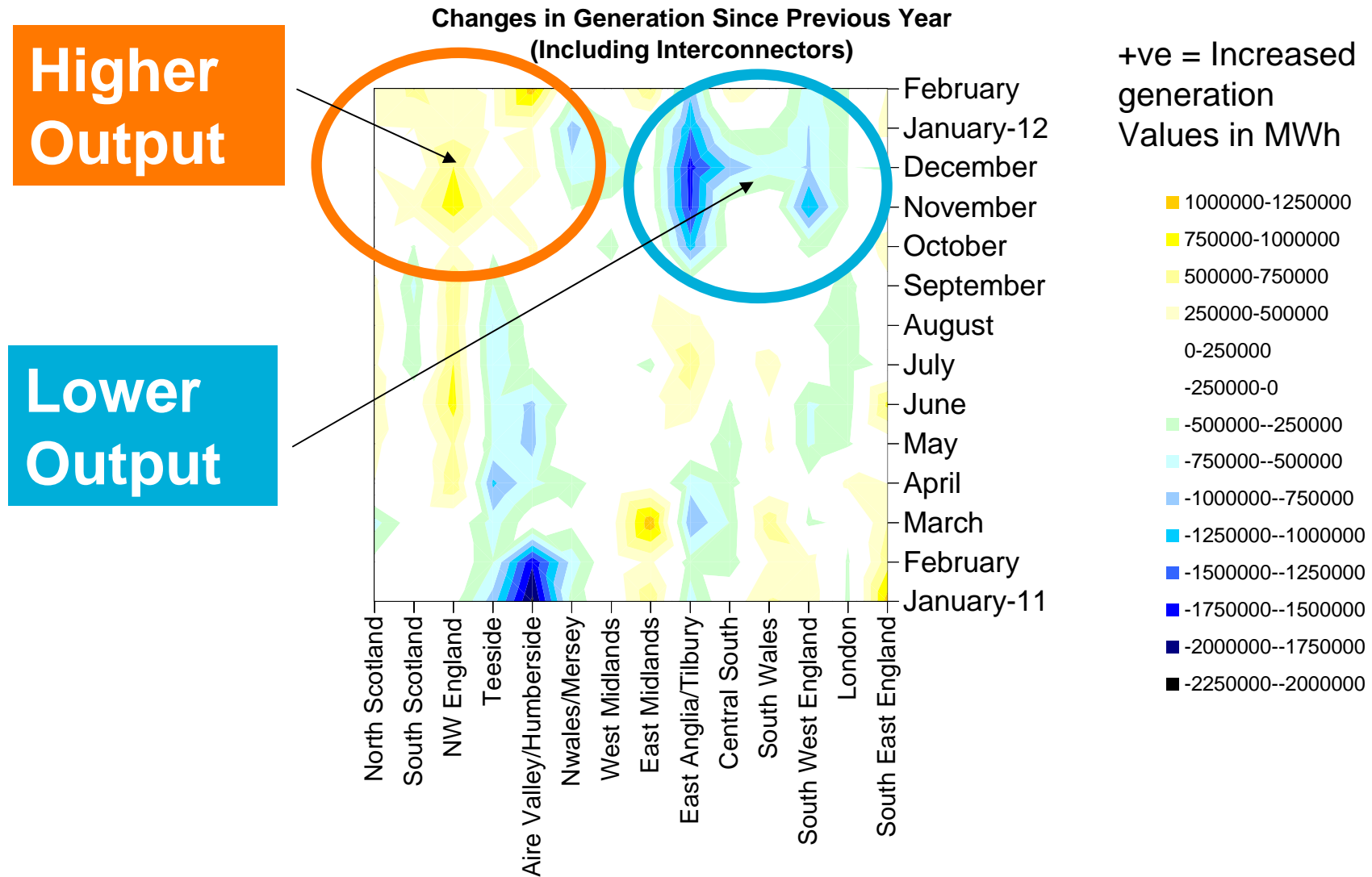
- High North to South flows
- Exports to continental Europe
- Unable to transfer all the power in to the south-east
- Increase generation in this region

# Transmission Losses

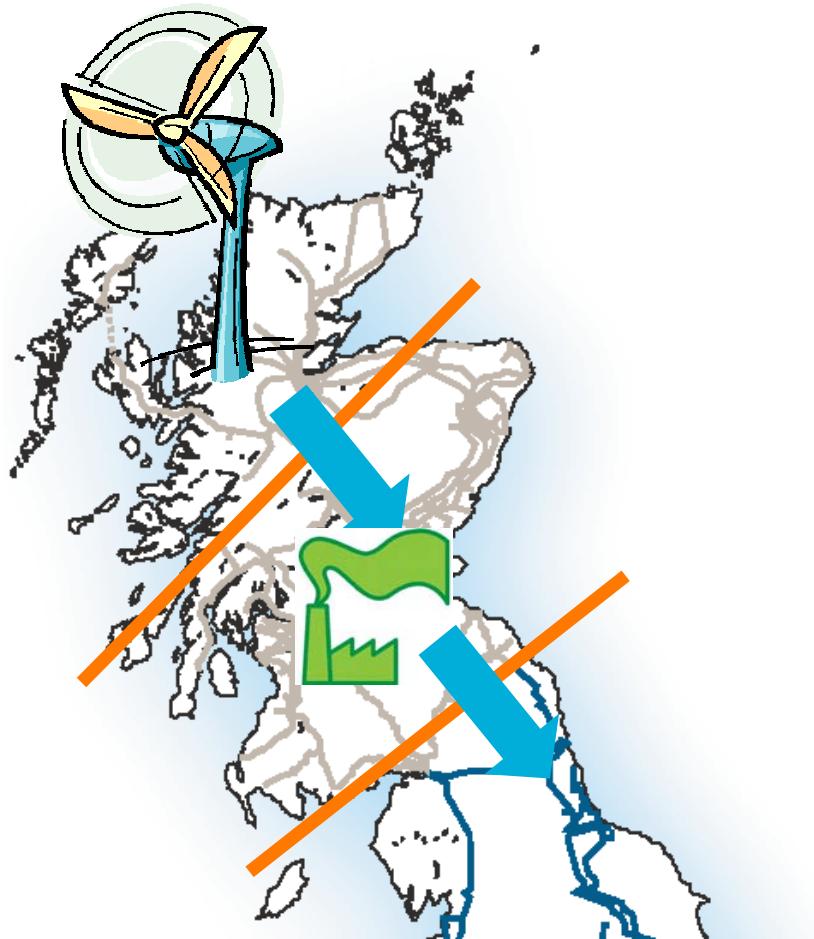
**Changes in Generation Since Previous Year  
(Including Interconnectors)**



# Transmission Losses



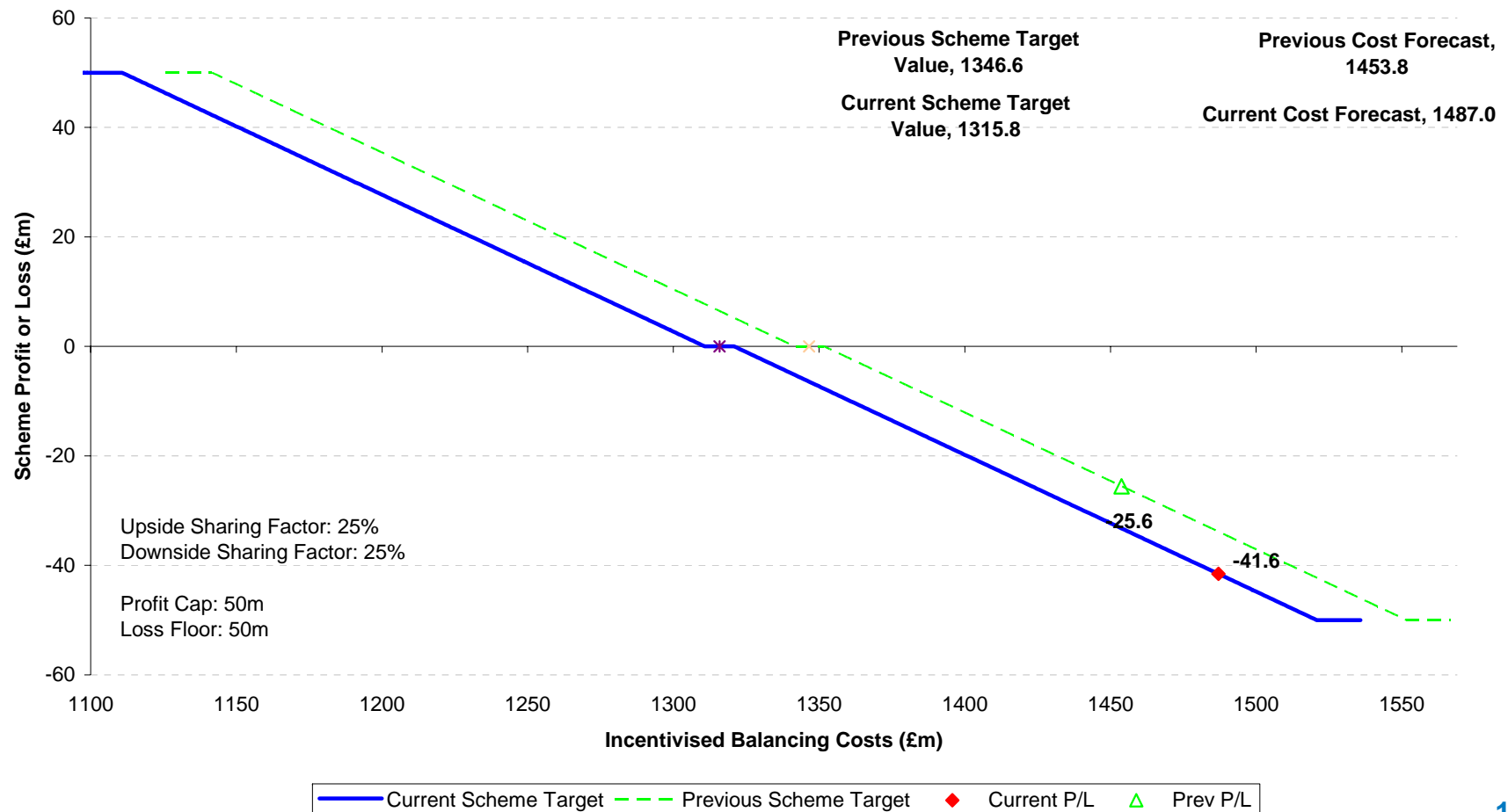
## Scottish Constraints



- Actions required to reduced output wind farms late February
- Further actions required to reduce transfer across Cheviot boundary

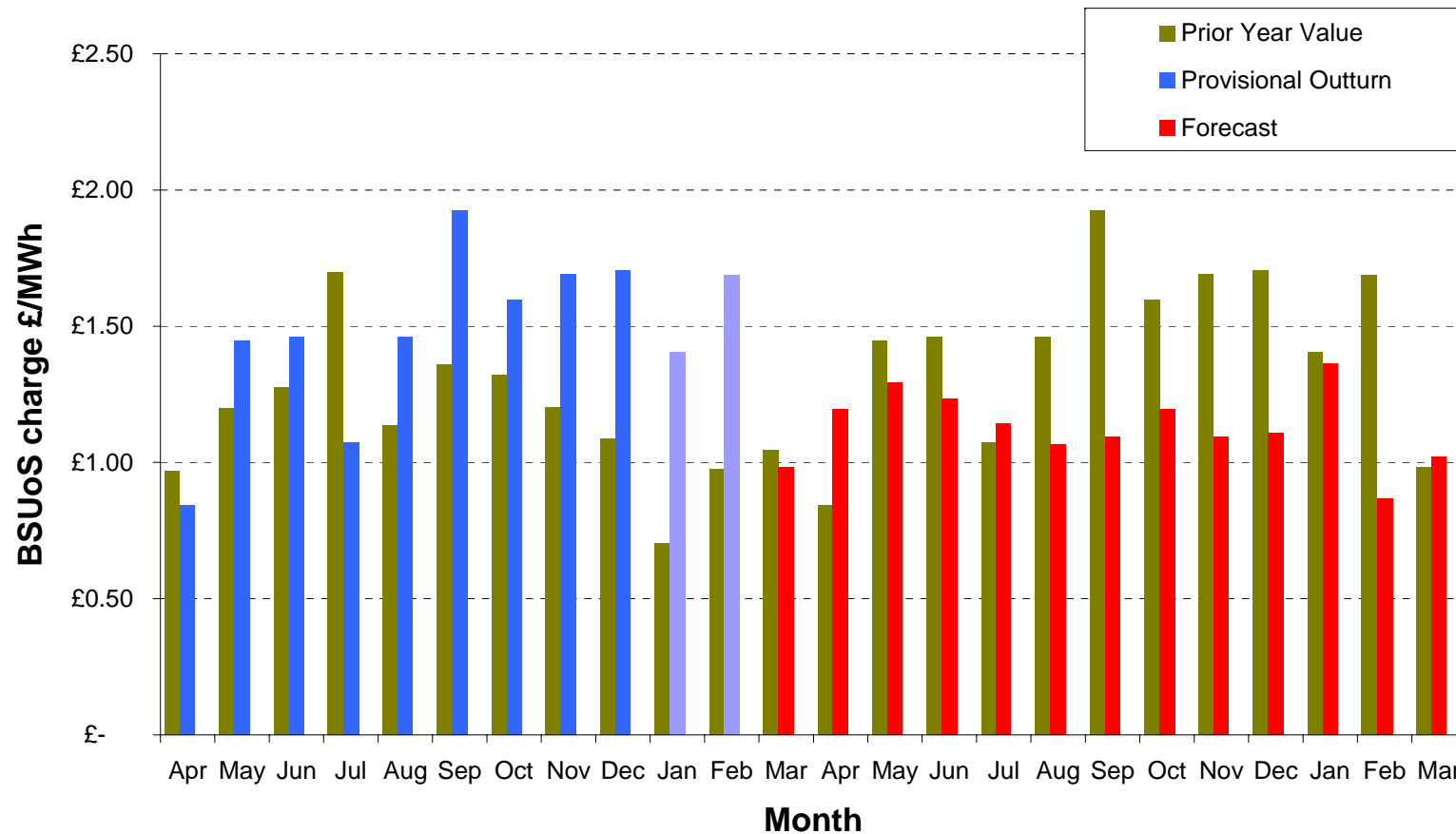
# BSIS – End February

**BSIS 2011-13**



# BSUoS

- 2011/12: £1.44/MWh (previous forecast £1.31/MWh)
- 2012/13: £1.14/MWh (previous forecast £1.04/MWh)





# Contribution to BSUoS

