



## P217A: Constraint Action Tagging



Ben Smith, Commercial Analyst

# Agenda

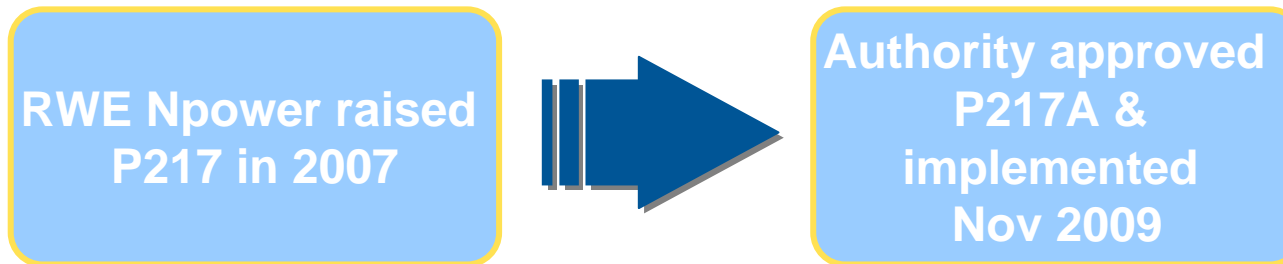
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- Background
- Methodology principles
- Flagging process
- Post event assessment
- 6 month update
- Conclusion

Focus today will be on P217A flagging and accuracy to date

# Background

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## Objective:

P217A sought to remove pollution from cash out caused by Bid Offer Accepted (BOA) that were taken to resolve Transmission Constraints

Specifically the removal of any premium (from cash out) associated with constraint management activity

## P217A Flagging Methodology Principles

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Methodology based on the following principles...

Integrate with existing National Grid Processes & Systems

Cost effective

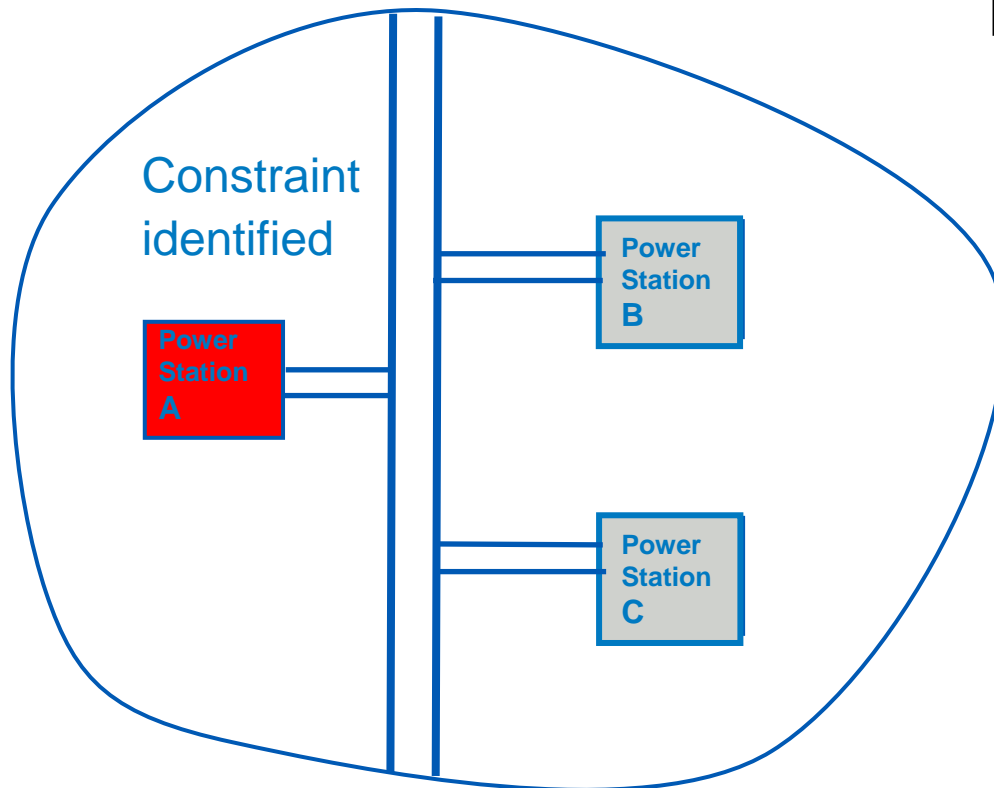
Minimises demands upon the Control Room Engineers

Mechanistic approach

Solution designed to capture the high impact actions

# Flagging Methodology – How does it work?

How are the principles applied?



## Balancing Market Unit Flag

- Identify BMU that would be used e.g 1 day ahead
- Flag the BMU, why?
- Subsequent BOAs become SO-Flagged
- We can also BOA flag/unflag

## Post event assessment – 3 main processes...

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**Data Inquiry Report**

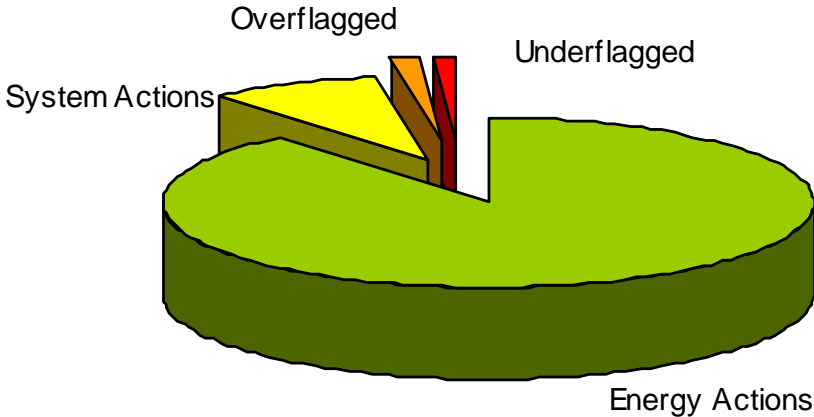
**Cross Reference Analysis**

**Post Event Periodic Review**



# Accuracy – BOAs over periods

Accuracy Summary	Totals	% of all BOA. Periods
No. of BOA Period actions	377,574	100%
Energy Actions	335,376	<b>88.82%</b>
System (Tally)	32,338	<b>8.56%</b>
Possible over flagging	6,083	<b>1.61%</b>
Possible under flagging	3,777	<b>1.00%</b>
Total BOA.Period – P217 or SUPERBAAR	42,198	12.58



**97.4%** of actions identified as energy or system in methodologies

## Did this impact the cash out price?

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195 inaccurate periods identified that could impact

BOAs re assigned

Elexon Imbalance price calculation re-run

### Results

- Only 4 periods resulted in a change of price (0.001%)
- Average price change £1.44 (5% of imbalance price)

**Results indicate that the expected inaccuracy of National Grid flagging did not have a material impact on cash out**

# Conclusion

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P217A methodology working as expected

Inaccuracy materiality on cash out is very low

However, we recognise the need to improve the post event assessment tools

Full report can be found [here](#)

# P217's impact on imbalance prices



Ben Smith speaks with...

Andrew Wright from Elexon



## P217's impact on imbalance prices

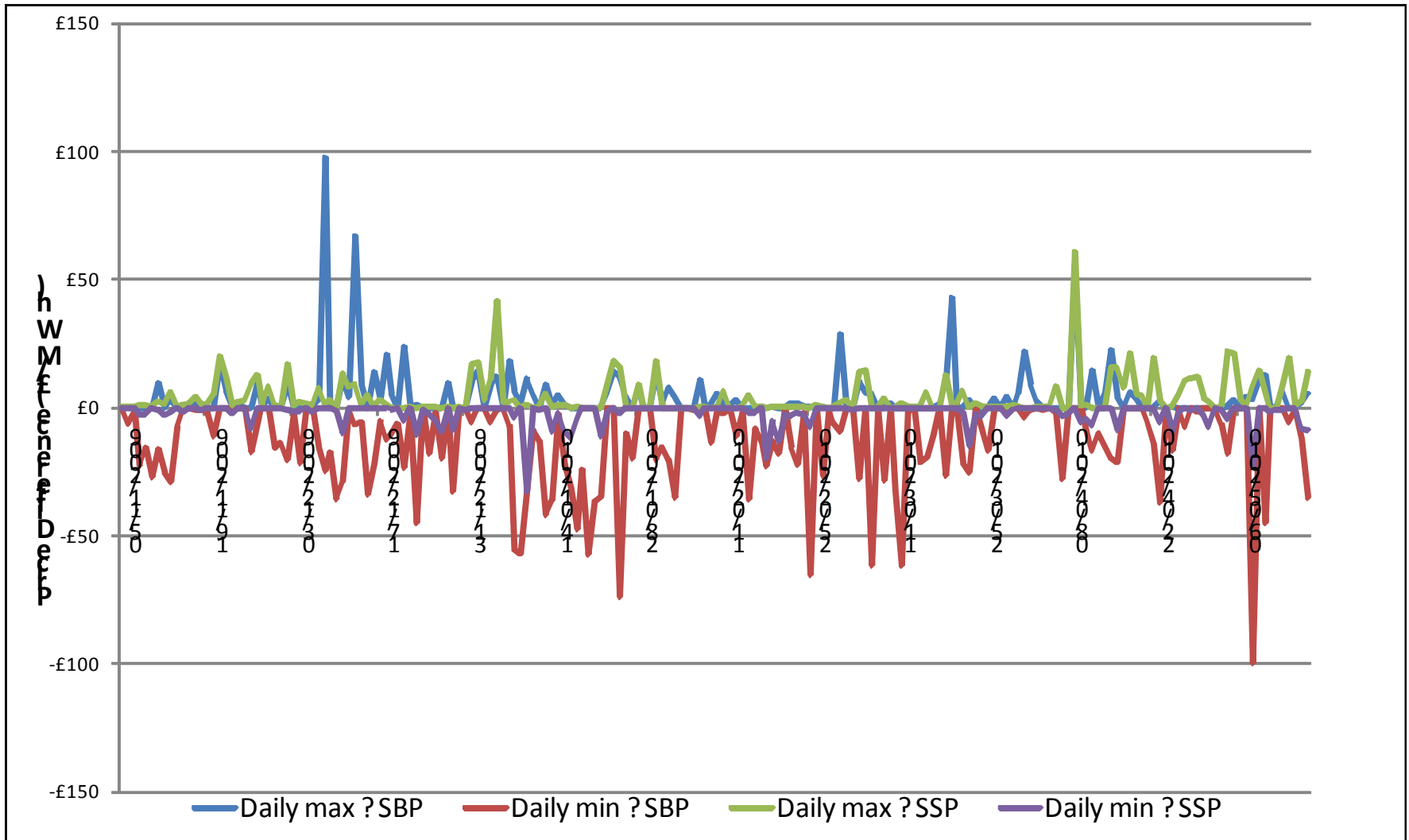
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- Average prices for first 6 months of P217

Pre-P217 SBP (£/MWh)	Pre-P217 SSP (£/MWh)	P217 SBP (£/MWh)	P217 SSP (£/MWh)	SBP Increase (£/MWh)	SSP Increase (£/MWh)
47.35	32.12	46.43	32.21	-0.92	0.09

- On average, prices marginally more benign
- But significant differences for certain Settlement Periods

# Daily maximum price difference



*Question?*

**E-mail – [energy.operations@uk.ngrid.com](mailto:energy.operations@uk.ngrid.com)**