

Future Trading Arrangements Design



An NGET Perspective



Areas of focus...



Incentives for Market to balance

- Trading arrangements need to deliver efficient outcomes for consumers
 - Parties need right incentives to balance
 - Risks need to be borne by those best able to manage them
- The 'renewables' challenge:
 - *Magnitude of renewables integration not envisaged at NETA*
 - Integration preferable to separate treatment to enable efficient balancing decisions
- Improved forecasting of renewable output is key both for market participants and SO
- Access to balancing services across interconnectors will remain and become even more important

'Residual Balancer' role

- Primary SO role
 - Balance the system efficiently; 'Sole counter-party' to give clear balancing responsibility
 - Efficient actions: in real-time, a single action can resolve multiple issues (inertia, voltage, constraint, energy) simultaneously
- Considerations
 - Build upon BETTA principles
 - Enhance access to cross-border balancing tools (risk that tools will be limited to post-Gate Closure, which will impact available volumes)
 - Use of DSR responsibility; certainty
 - EMR interactions

EU Target Model: Market Coupling

- Combining national day-ahead energy auction markets with available I/C capacity in a single matching algorithm, to allow most efficient trades to match across the coupled region.
 - North-West Europe pilot due to be implemented Nov 2013
 - Encourages growth of liquid, robust spot markets
- Also required to extend market coupling to intraday
 - Focus on continuous matching, but with potential for national auctions
 - How to price interconnection capacity?
 - May limit pre-GC balancing action on interconnectors



EU Developments: Potential for market splitting

- Persistent structural congestion could potentially lead to the establishment of multiple bidding zones under CACM Network Code
- Where generation exceeds demand behind a constrained boundary, price will reduce
- In the absence of a suitable cross-zonal product, physical parties would:
 - have access to their local zone only;
 - be exposed to cross-zonal differences in the spot wholesale electricity price (and potentially risk being out of balance in both zones)
- Considerable knock on impacts:
 - TNUoS charging
 - EMR e.g. Capacity Mechanism; FiT CfD Strike Price changes



Other considerations: Balancing Code Key Areas

Procurement and balancing products

- Reserves and procurement harmonisation
- Procurement of balancing services
- Procurement of balancing energy

Capacity Reservation on Interconnectors

- Reservation for operating reserves
- Principle of co-optimisation
- Reserve sharing
- Imbalance Settlement
 - Imbalance Settlement Pricing
 - Settlement Period Duration
 - Imbalance Calculation

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