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- Click 'Turn on live captions'

NESO Operational Transparency Forum

26 February 2025

NESO
National Energy System Operator

Slido update: click on the three lines to the left of forum title to access previous OTF webinars on our webpage

Introduction | Sli.do code #OTF

To ask questions live & give us post event feedback go to Sli.do event code #OTF.

- **Ask your questions as early as possible** as our experts may need time to ensure a correct answer can be given live.
- **Please provide your name or organisation**. This is an operational forum for industry participants therefore questions from unidentified parties will not be answered live. If you have reasons to remain anonymous to the wider forum, please use the advance question or email options below.
- **The OTF is not the place to challenge the actions of individual parties** (other than the NESO), and we will not comment on these challenges. This type of concern can be reported to the Market Monitoring team at: marketreporting@nationalenergyso.com
- **Questions will be answered in the upvoted order whenever possible**. We will take questions from further down the list when: the answer is not ready; we need to take the question away or the topic is outside of the scope of the OTF.
- **Sli.do will remain open until 12:00**, even when the call closes earlier, to provide the maximum opportunity for you to ask questions. After that please use the advance questions or email options below.
- **All questions will be recorded and published.** Questions which are not answered on the day will be included, with answers, in the slide pack for the next OTF.
- **Ask questions in advance** (before 12:00 on Monday) at: https://forms.office.com/r/k0AEfKnai3
- **Ask questions anytime** whether for inclusion in the forum or individual response at: box.nc.customer@nationalenergyso.com

Stay up to date on our webpage: https://www.neso.energy/what-we-do/systems-operations/operational-transparency-forum (OTF Q&A is published with slide packs)

NESO National Energy System Operator

Future deep dive / focus topics

Slido code #OTF

Today's Focus Topics/deep dives

NESO Settlements Overview (Balancing Services Adjustment Data (BSAD) and Interconnectors)

Future

Interconnector Special refresh – 5 March (extended **90 minute** OTF)

Overview of NESO System Access Planning process – 12 March

If you have questions/suggestions of areas to cover during above presentations or ideas for deep dives or focus topics you would like us to consider, please send them to us at: box.nc.customer@nationalenergyso.com

Webinar: Battery Storage & Skip Rates (data, methodology & next steps)

Slido code #OTF

We will be hosting a Skip Rates Webinar on **27 February 2025**.

This webinar will be facilitated by NESO leaders and technical experts. We will be covering more on data, methodology and next steps on our roadmap. You will also have the opportunity to ask questions.

Date & Time details:

Date:	27 February 2025
Time:	13:00 – 14:30

Attendance & who this forum is suited for:

This webinar is specifically tailored for professionals closely involved in dispatch efficiency, battery storage and skip rates.

If you are interested in attending, please register via this link.

For any enquiries please contact us by email - Box.Battery-Storage-Strategy@nationalenergyso.com

Skip Rates website

We will be publishing content from this webinar on our website after the event for those who are not able to attend.

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Slido code #OTF

Future Event Summary

Event	Date & Time	Link
Battery storage & skip rates	27th February 2025 (13:00-14:30)	Register here
Pre-Fault Frequency Control Modelling Webinar	5th March 2025 (14:00-15:30)	Register here
Short Term Operating Reserve to Slow Reserve transition feedback survey	5th March 2025	Click here for feedback survey
Balancing Programme March 2025 Webinar	6th March 2025(14:00-15:30)	Register here
Quick Reserve Phase 2 – Launch of EBR Article 18 consultation	14th March 2025	Provide your response here

Public

Settlements Overview

Balancing Services Adjustment Data (BSAD) and Interconnectors

NESO
National Energy System Operator

Contents

Who are we &What we do

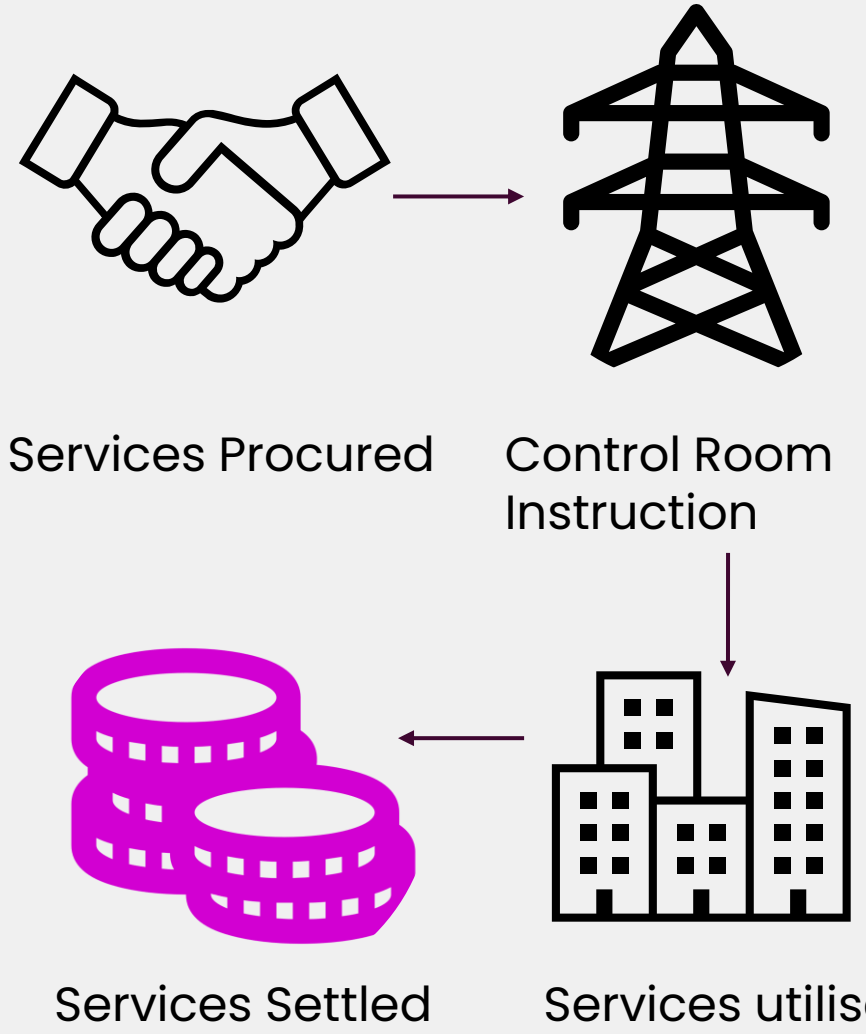
The settlements team calculates and makes payments to ancillary (balancing) service providers

Support with the provision of BSAD (Balancing Services Adjustment Data) and ABSVD (Applicable Balancing Services Volume Data) to Elexon.

STAR – Settlements and Revenue System

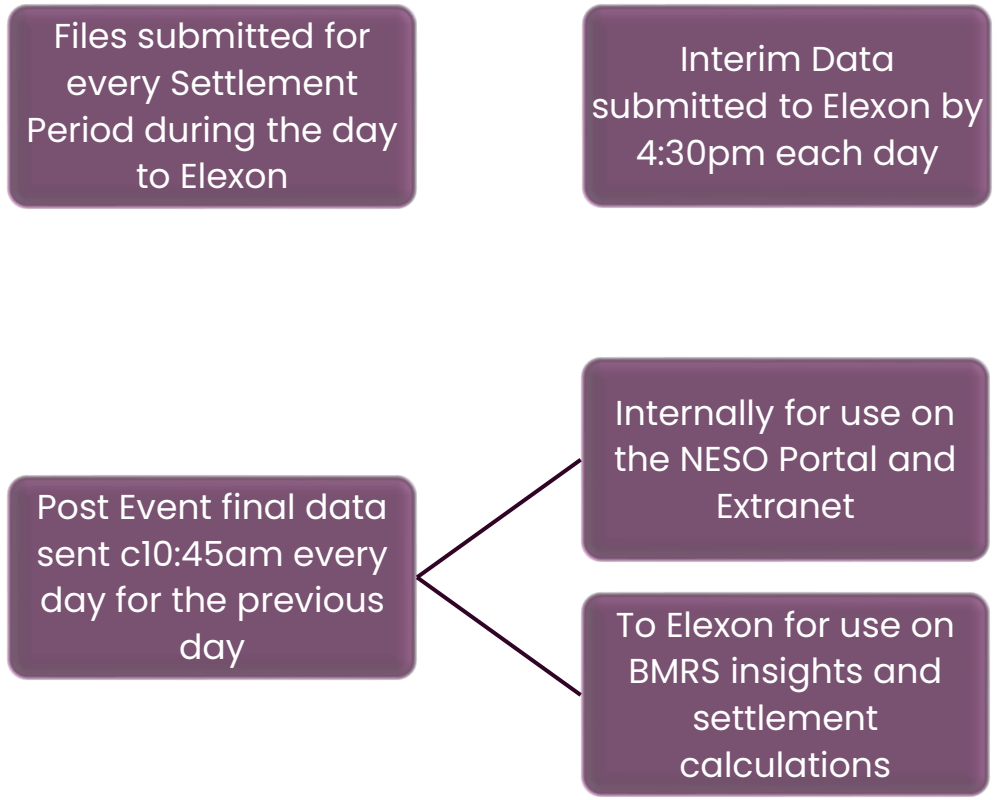
- Seeks to improve accuracy in charging, billing, and reporting, while ensuring compliance with controls and regulatory requirements
- Number of services already implemented and progressing the migration of the remaining services over the next couple of years

[Balancing Services | National Energy System Operator]



What we are here to talk about – Balancing Services Adjustment Data

Balancing Services Adjustment Data (**BSAD**) is used to submit balancing actions to the Balancing & Settlement Code (BSC) systems, which defines the rules and governance for the balancing mechanism and imbalance settlement processes of electricity in Great Britain. BSAD covers actions taken outside of the balancing mechanism.



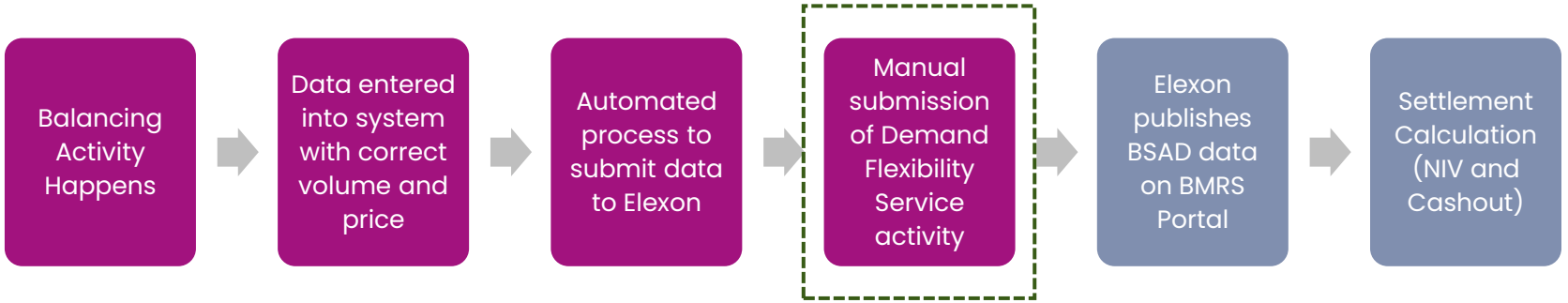
The BSAD methodology statement can be found here: [BSAD Methodology]

Useful Information regarding imbalance pricing including how BSAD feeds in can be found: [Imbalance Pricing Guidance - Elexon Digital BSC]

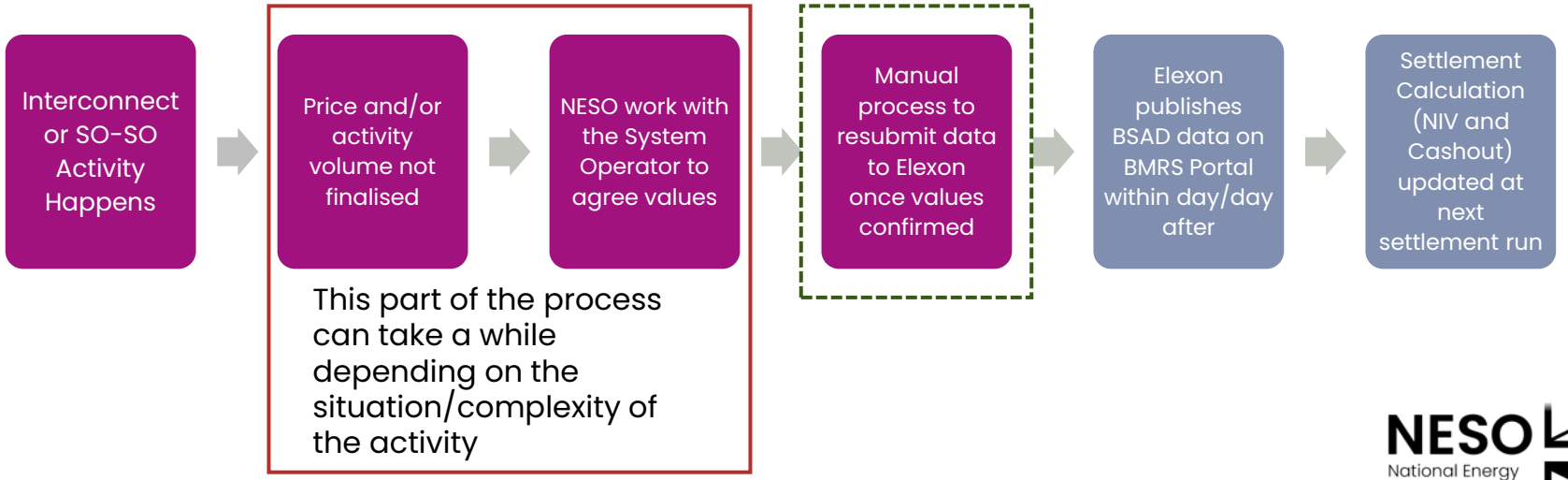
BSAD Process and Resubmissions

NESO Activity
Elexon Activity

This is the process if there are no issues and is largely automated – from balancing activity to NESO submission is within/next day



This is the process when the activity is not agreed in real time or ahead of time e.g. System Operator to System Operator



Elexon Processing

What happens after submission of BSAD

		NESO BSAD file submission	NESO BSAD website Update	Elexon Settlement calc (NIV & cashout) Update	Updated in Elexon Insights Portal (Pricing Stack)**	Elexon Insights Platform- BSAD***
	Standard process	WD1	WD1	II	WD1	WD1
NESO BSAD Resubmission for "D"		WD15	WD15	SF	no further update from WD1	WD15
	SF	WD16	WD16	R1	no further update from WD1	WD16
	R1	WD39	WD39	R2	no further update from WD1	WD39
	R2	WD84	WD84	R3	no further update from WD1	WD84
	R3	WD154	WD154	RF	no further update from WD1	WD154
	RF	WD292	WD292	DF*	no further update from WD1	WD292
	*DF**	Post WD292	Post WD292	Post WD292	no further update from WD1	Post WD292

WD = working day

II, SF, R1, R2, R3, RF are the settlement runs as defined by Elexon where settlement calculations are rerun, providing a more accurate view of settlement. This schedule can be found on the Elexon Portal www.elexonportal.co.uk

*Requires Trading Disputes Committee (TDC) approval
** Updates within 24 hours of settlement period
*** Updates immediate on receipt/processing of data

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Process Improvements / Changes

What can we do?

- Settlement representation at OTF
- Closer working and understanding of process with Elexon
- Better communication between Operational and Settlement teams within NESO
- System change to help remove test / false trades entering the process
- Potential improvements to BSAD NESO Data Portal

What can you do?

- Respond to C9 Consultations in future regarding methodology - C9 statements and consultations | National Energy System Operator
- Continue to raise queries via the settlements dot box or Elexon support
- Continue to be patient and understanding - the settlements team are dependent on other teams and will prioritise based on upcoming settlement runs

Thank you for your time - please feel free to raise any specific questions or future queries to the settlement dot box

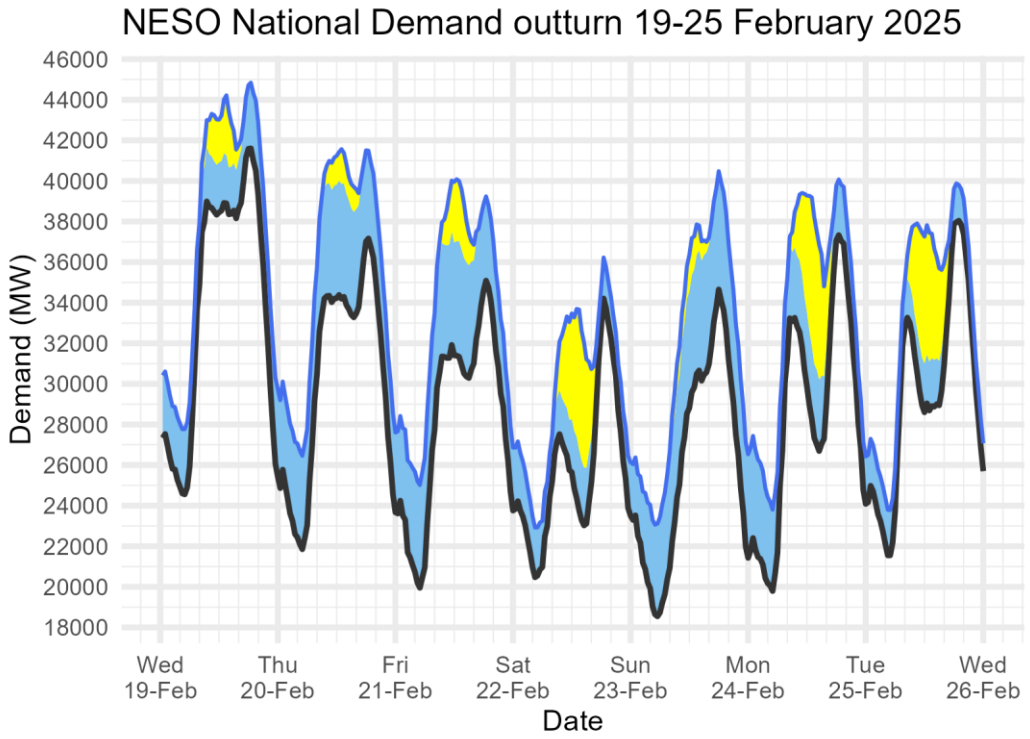
settlement.queries@nationalenergyso.com

Elexon Support

Elexon Support Homepage

Demand | Last week demand out-turn

Slido code #OTF



Demand type

- National Demand (ND) transmission connected generation requirement within GB
- ND + est. of PV & wind at Distribution network

Renewable type

- Distributed_PV
- Distributed_Wind

Distributed generation

Peak values by day

Date	OUTTURN Daily Max Dist. PV (GW)	OUTTURN Daily Max Dist. Wind (GW)
19 Feb 2025	2.9	4.3
20 Feb 2025	1.7	5.7
21 Feb 2025	3.1	5.7
22 Feb 2025	6.9	3.0
23 Feb 2025	1.8	5.9
24 Feb 2025	7.3	5.1
25 Feb 2025	6.4	2.4

National Demand

Peaks and troughs

Date	Forecasting Point	FORECAST (Wed 19 Feb) National Demand (GW)	FORECAST (Wed 19 Feb) Dist. wind (GW)	OUTTURN National Demand (GW)	OUTTURN Triad Avoidance est. (GW)	OUTTURN N. Demand adjusted for TA (GW)	OUTTURN Dist. wind (GW)
19 Feb 2025	Evening Peak	41.0	3.0	41.6	0.0	41.6	3.2
20 Feb 2025	Overnight Min	21.4	4.6	21.9	n/a	n/a	4.6
20 Feb 2025	Evening Peak	37.0	4.5	37.2	0.0	37.2	4.3
21 Feb 2025	Overnight Min	19.8	4.7	20.0	n/a	n/a	5.1
21 Feb 2025	Evening Peak	34.7	4.8	35.1	0.0	35.1	4.2
22 Feb 2025	Overnight Min	20.6	2.7	20.5	n/a	n/a	2.5
22 Feb 2025	Evening Peak	33.8	2.3	34.2	0.0	34.2	2.0
23 Feb 2025	Overnight Min	17.5	4.8	18.5	n/a	n/a	4.6
23 Feb 2025	Evening Peak	32.1	5.9	34.7	0.0	34.7	5.8
24 Feb 2025	Overnight Min	17.9	5.2	19.8	n/a	n/a	4.0
24 Feb 2025	Evening Peak	36.7	3.7	37.3	0.0	37.3	2.7
25 Feb 2025	Overnight Min	21.2	3.2	21.5	n/a	n/a	2.3
25 Feb 2025	Evening Peak	38.4	2.4	38.0	0.0	38.0	1.8

The black line (National Demand ND) is the measure of portion of total GB customer demand that is supplied by the transmission network.

ND values do not include export on interconnectors or pumping or station load

Blue line serves as a proxy for total GB customer demand. It includes demand supplied by the distributed wind and solar sources, but it does not include demand supplied by non-weather driven sources at the distributed network for which NESO has no real time data.

Historic out-turn data can be found on the NESO Data Portal in the following data sets: Historic Demand Data & Demand Data Update

Demand | Week Ahead

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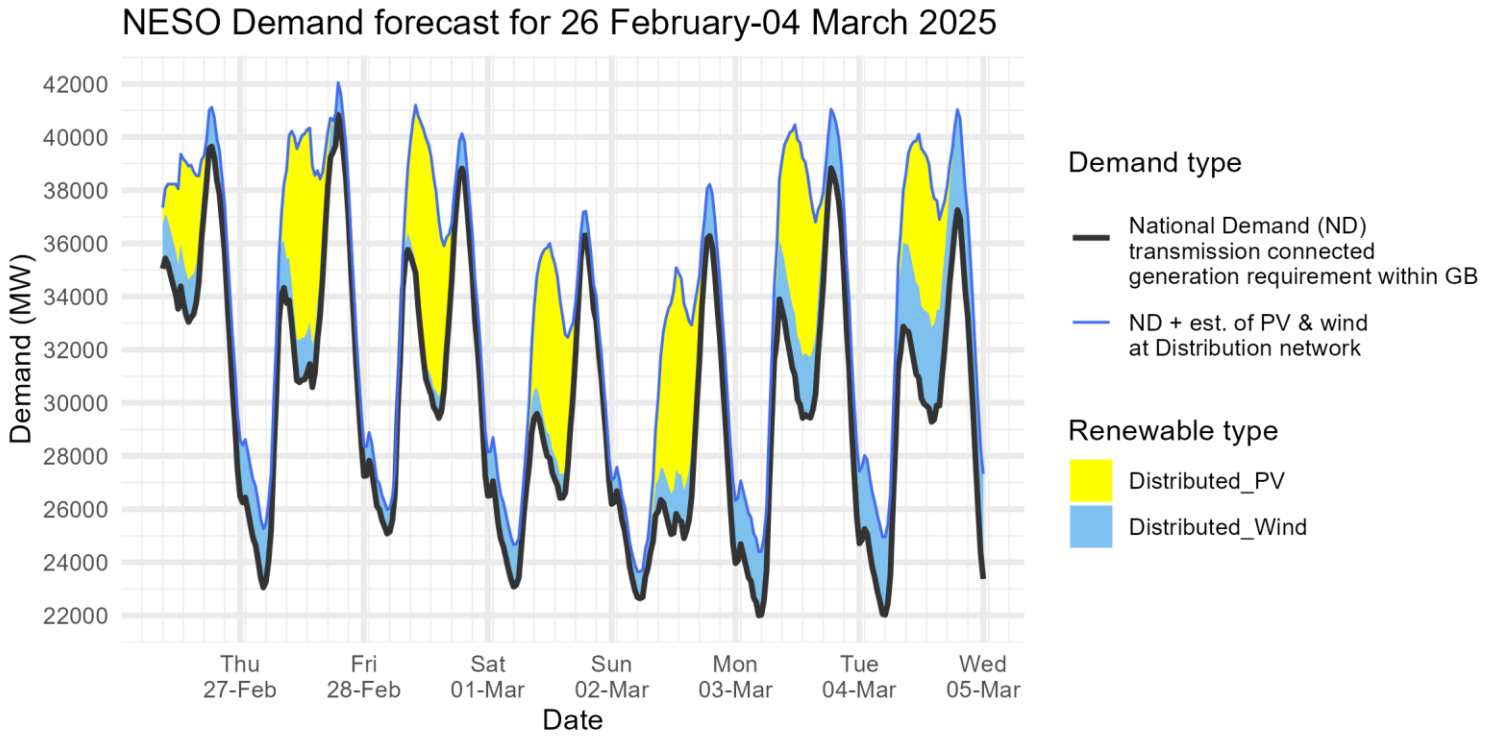

National Demand

Peaks and troughs

		FORECAST	
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)
26 Feb 2025	Evening Peak	39.6	1.5
27 Feb 2025	Overnight Min	23.0	2.2
27 Feb 2025	Evening Peak	40.8	1.2
28 Feb 2025	Overnight Min	25.1	0.9
28 Feb 2025	Evening Peak	38.8	1.3
01 Mar 2025	Overnight Min	23.1	1.6
01 Mar 2025	Evening Peak	36.3	0.9
02 Mar 2025	Overnight Min	22.6	1.0
02 Mar 2025	Evening Peak	36.3	1.9
03 Mar 2025	Overnight Min	22.0	2.4
03 Mar 2025	Evening Peak	38.8	2.2
04 Mar 2025	Overnight Min	22.0	2.9
04 Mar 2025	Evening Peak	37.3	3.7

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Operational Margins | Week Ahead

Slido code #OTF

How to interpret this information

This slide sets out our view of operational margins for the next week. We are providing this information to help market participants identify when tighter periods are more likely to occur such that they can plan to respond accordingly.

The table provides our current view on the operational surplus based on expected levels of generation, wind and peak demand. This is based on information available to NESO as of 22nd January and is subject to change. It represents a view of what the market is currently intending to provide before we take any actions. The interconnector flows are equal to those in the Base case presented in the Winter Outlook.

The indicative surplus is a measure of how tight we expect margins to be and the likelihood of the NESO needing to use its operational tools.

For higher surplus values, margins are expected to be adequate and there is a low likelihood of the NESO needing to use its tools. In such cases, we may even experience exports to Europe on the interconnectors over the peak depending on market prices.

For lower (and potentially negative) surplus values, then this indicates operational margins could be tight and that there is a higher likelihood of the NESO needing to use its tools, such as interconnector trading and issuing margins notices. We expect there to be sufficient supply available to respond to these signals to meet demand.

Margins are adequate for the next week.

Day	Date	Notified Generation (MW)	Wind (MW)	IC Flows* (MW)	Peak demand (MW)	Indicative surplus (MW)
Thu	27/02/2025	43899	8050	5120	42320	10130
Fri	28/02/2025	43388	6890	5120	39560	9660
Sat	01/03/2025	44022	5510	5120	37070	13440
Sun	02/03/2025	43735	10010	5120	37440	14400
Mon	03/03/2025	44113	11280	5120	40110	13990
Tue	04/03/2025	44266	15990	5120	38880	17700
Wed	05/03/2025	44578	15350	5120	38370	18380

*Interconnector flow in line with the Winter Outlook Report Base Case but will ultimately flow to market price

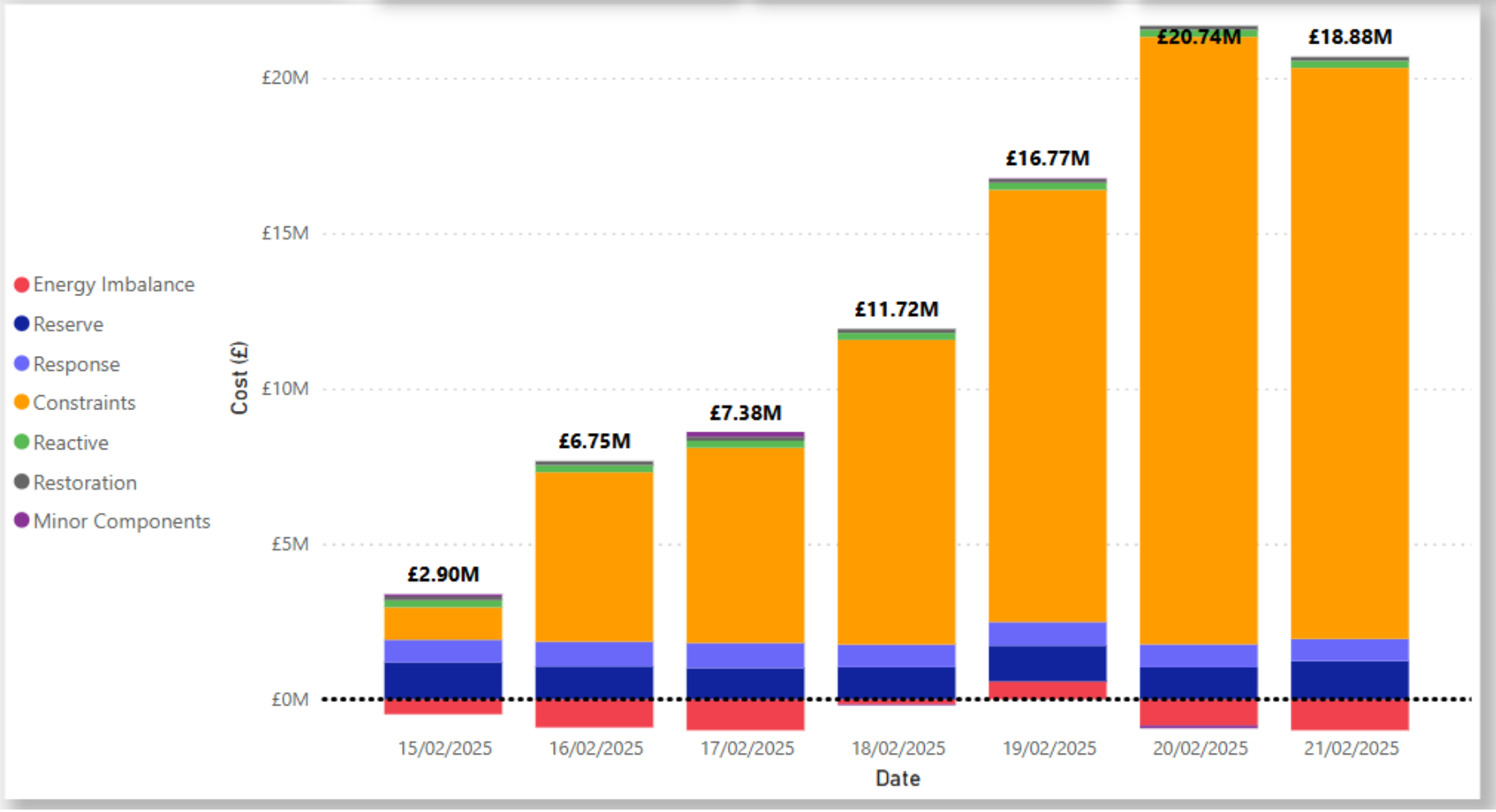
Margins do not include NESO enhanced or emergency actions

NESO Actions | Category Cost Breakdown

Slido code #OTF

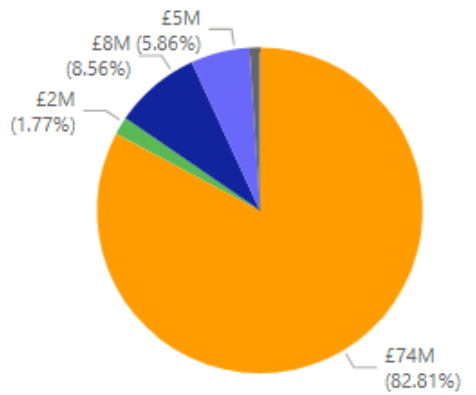
Date
15/02/2025 — 21/02/2025

Weekly Total Costs (£)	Last Week Total Costs (£)	Past 30-Day Average Costs (£)
£85.1M	£38.4M	£8.3M



Date	Total Outturn Cost
15/02/2025	£2,895,422
16/02/2025	£6,754,991
17/02/2025	£7,376,815
18/02/2025	£11,723,550
19/02/2025	£16,770,744
20/02/2025	£20,738,600
21/02/2025	£18,876,940

Weekly Cost (£) and Share (%)

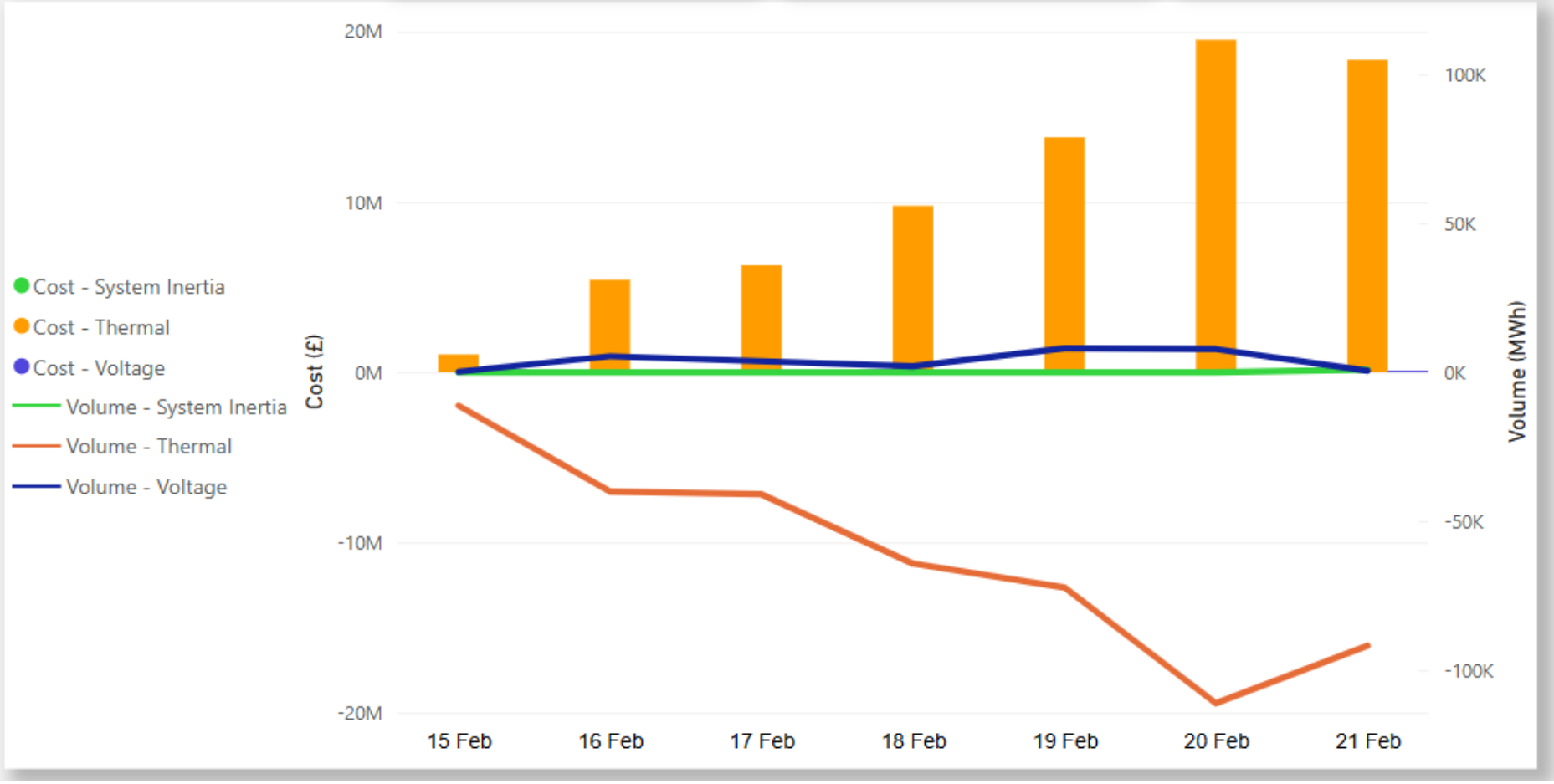


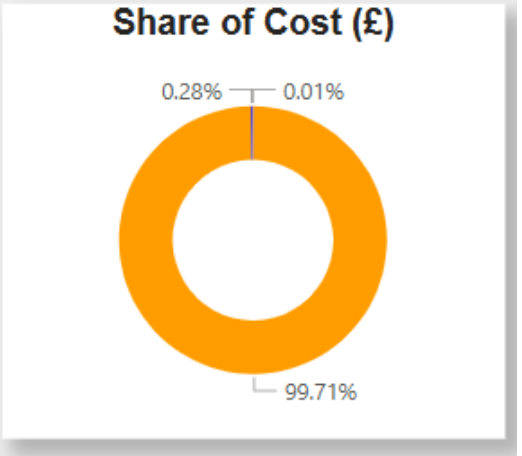
NESO Actions | Constraint Cost Breakdown

Date

15/02/2025 21/02/2025

Thermal Constraints		Voltage Constraints		System Inertia	
Costs (£)	Vol (MWh)	Costs (£)	Vol (MWh)	Costs (£)	Vol (MWh)
74.2M	-431.8K	208.0K	23.7K	7876.0	829.0





NESO Actions | Peak Demand – SP spend ~ £283k
Monday 17th February

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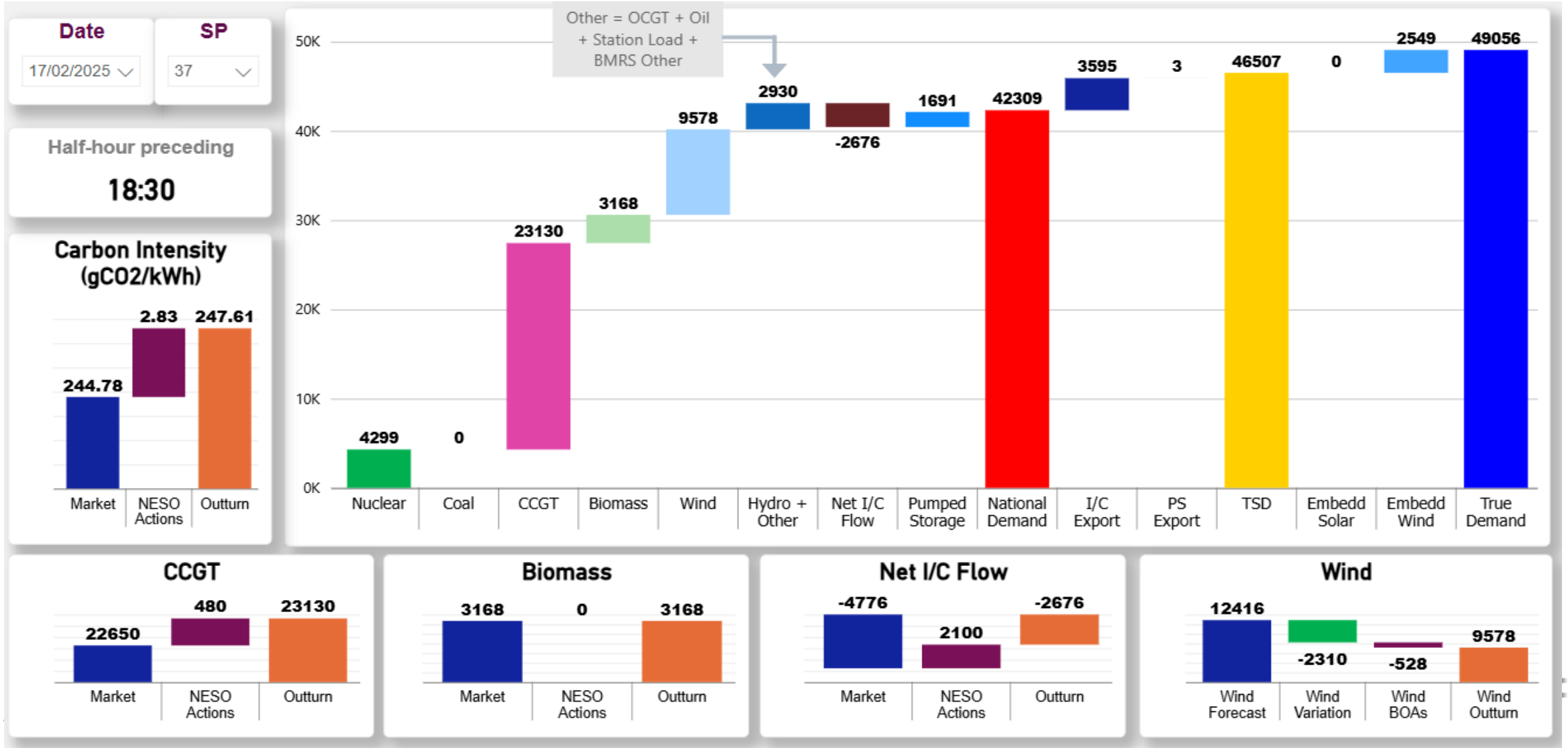

NESO Actions | Minimum Demand – SP spend ~ £416k
Friday 21st February

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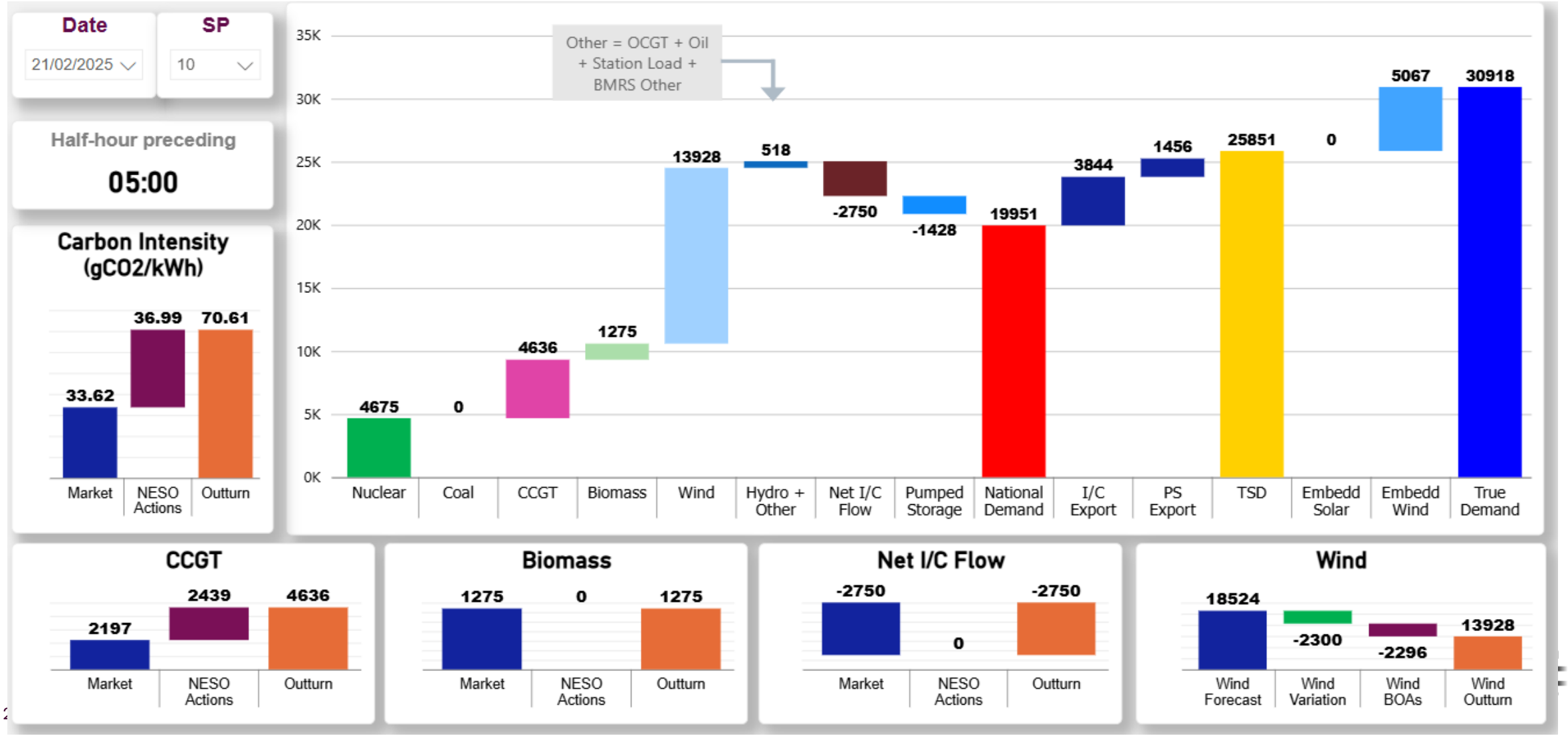

NESO Actions | – Highest SP spend ~ £509k
Friday 21st February

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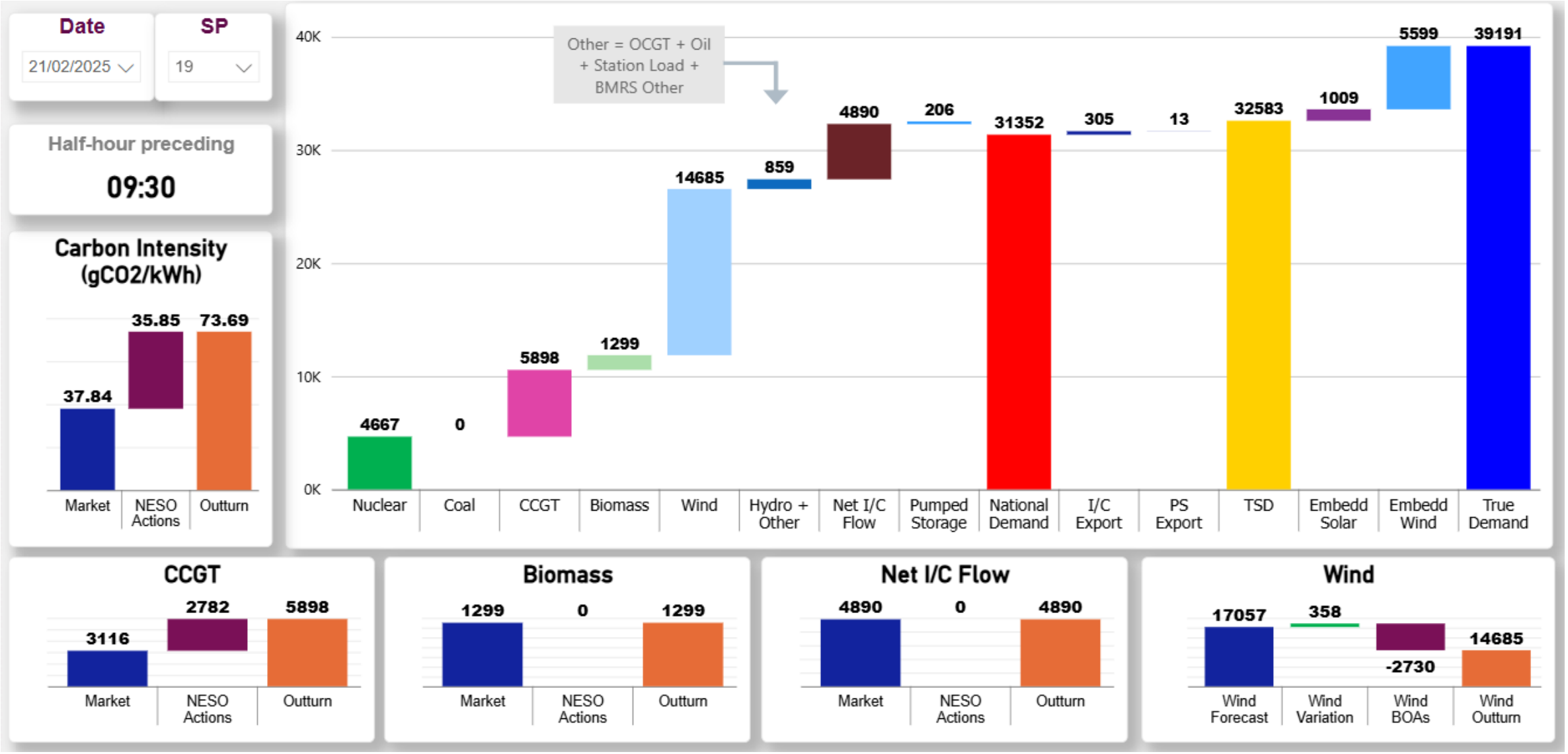
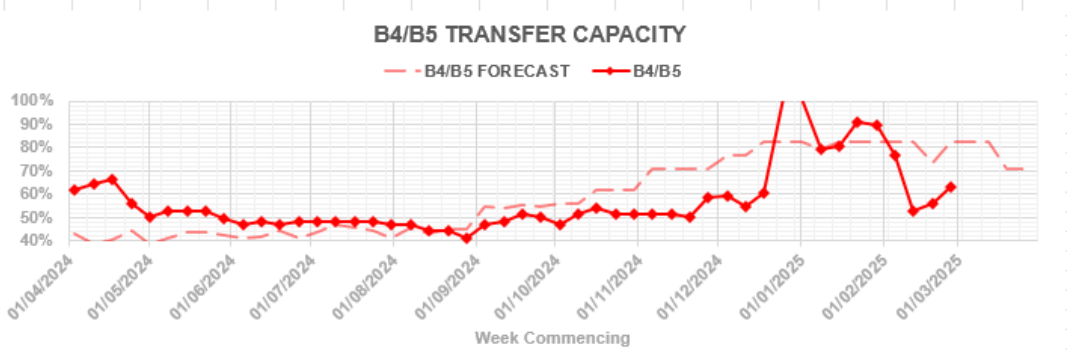
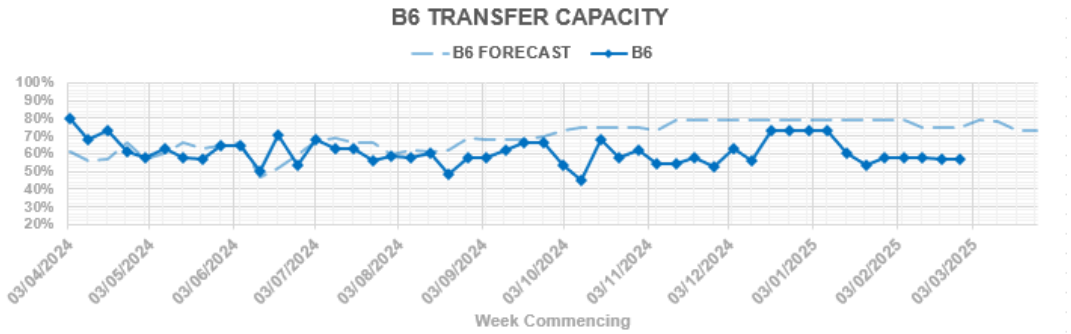
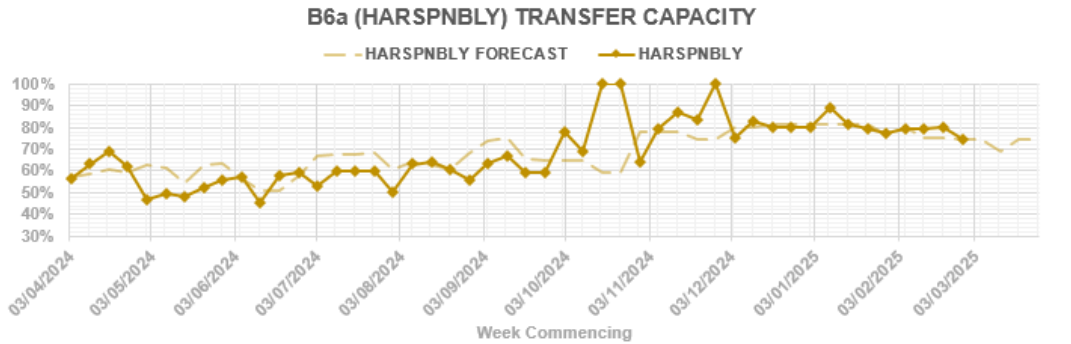


Transparency | Network Congestion

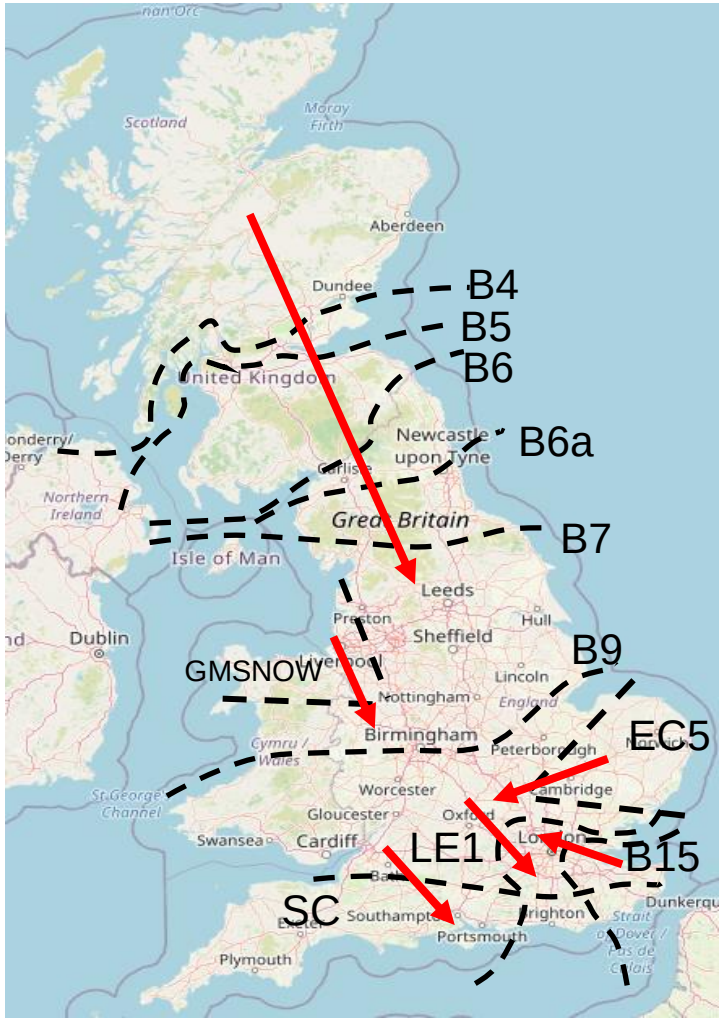
Slido code #OTF







Boundary	Max. Capacity (MW)	Current Capacity (%)
B4/B5	3400	63%
B6 (SCOTEX)	6800	57%
HARSPNBLY	8000	74%
B7 (SSHARN)	8325	73%
GMSNOW	4700	57%
EC5	5000	100%
LE1 (SEIMP)	8500	69%
B15 (ESTEX)	7500	95%
SC1	7300	100%



Day ahead flows and limits, and the 24-month constraint limit forecast are published on the ESO Data Portal: Constraints Management

(The forecast and day ahead limits may vary due to changes in the outage plan. The plan is reviewed periodically throughout the year to ensure we are optimising system conditions, whilst managing any necessary outage plan changes)

NESO National Energy System Operator

Transparency | Network Congestion

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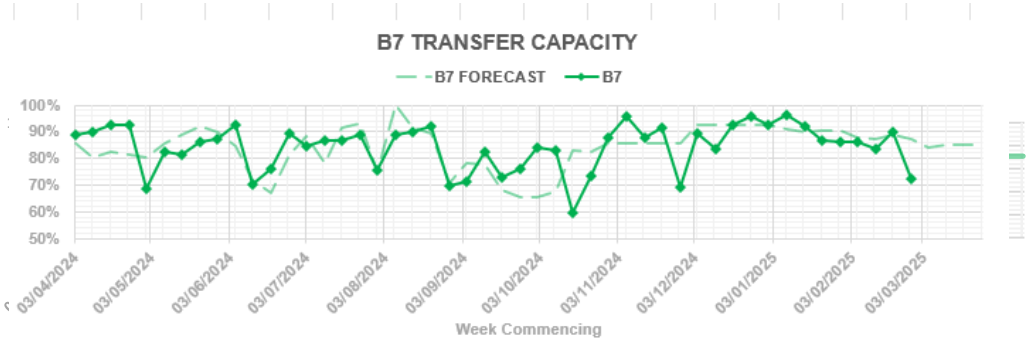

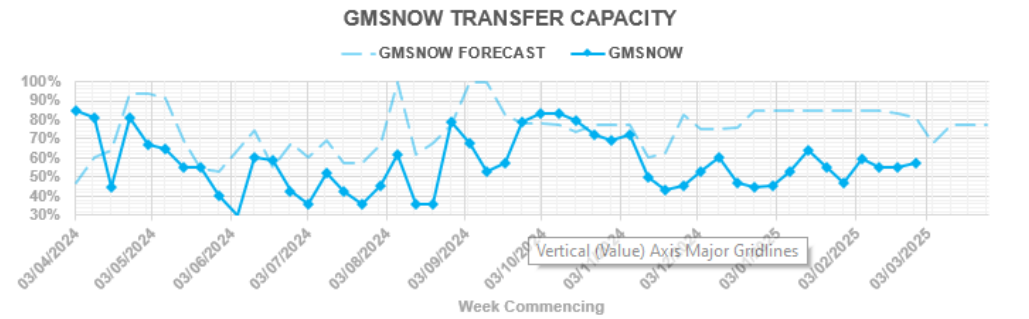

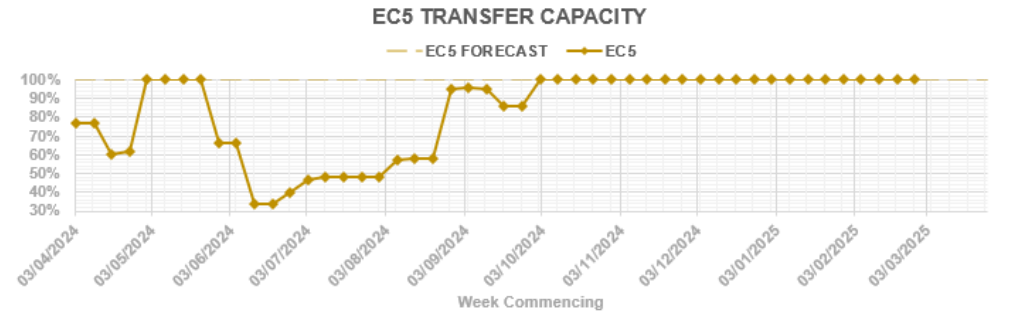

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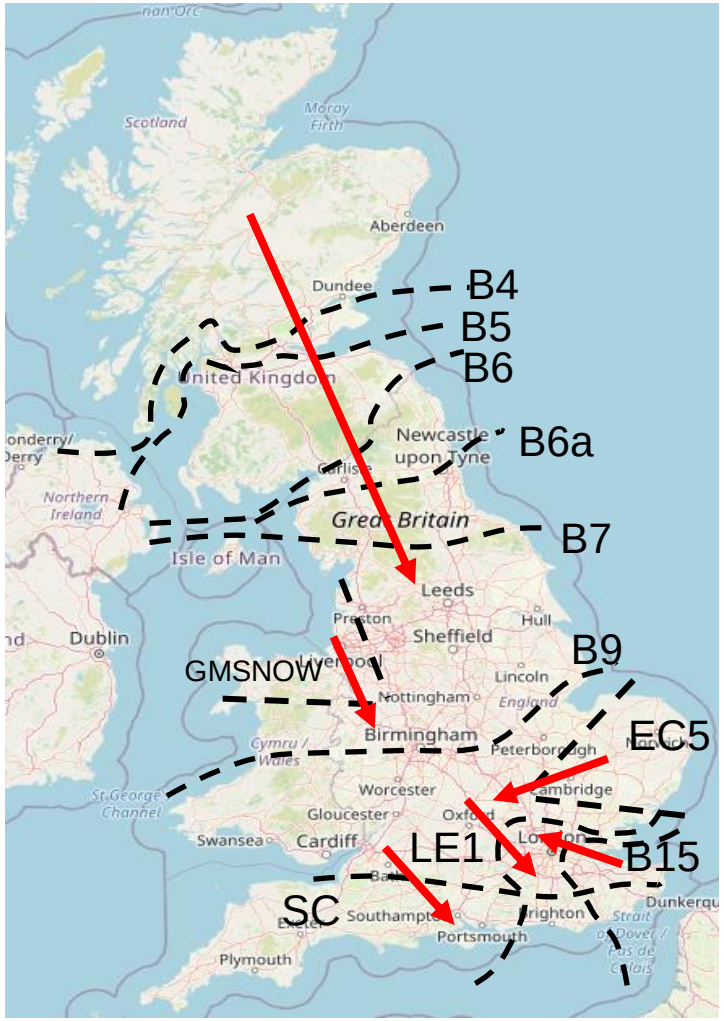

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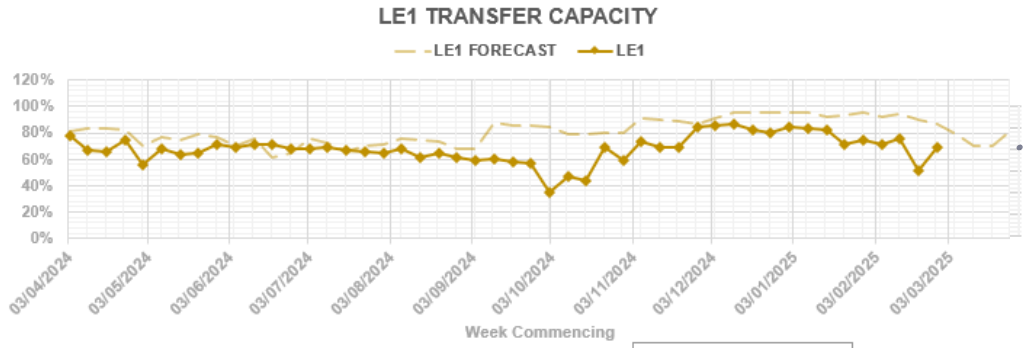

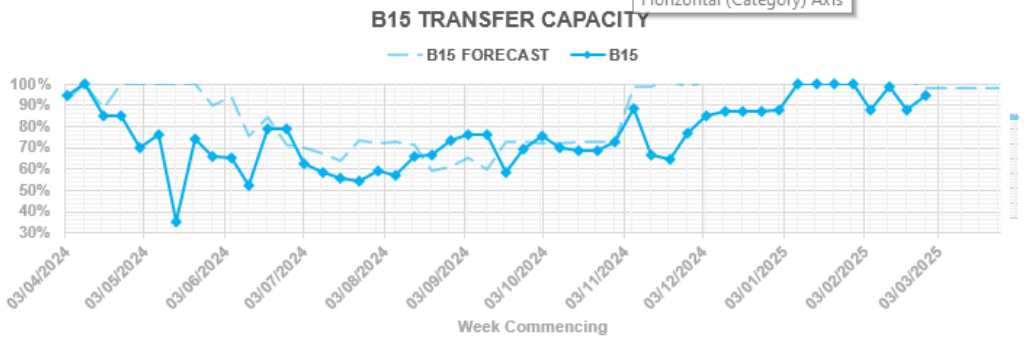

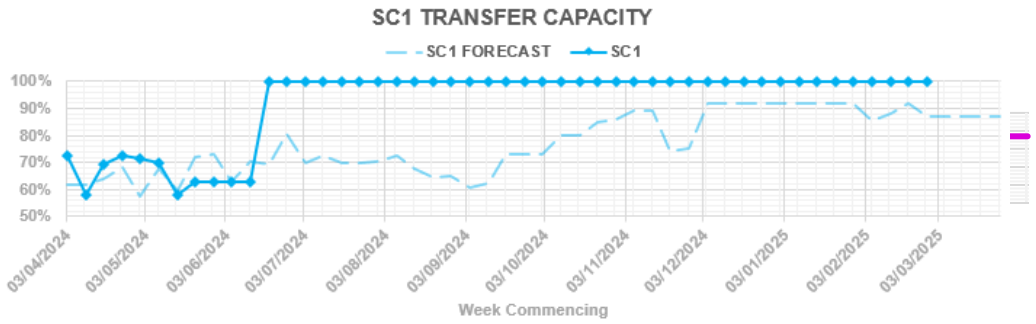

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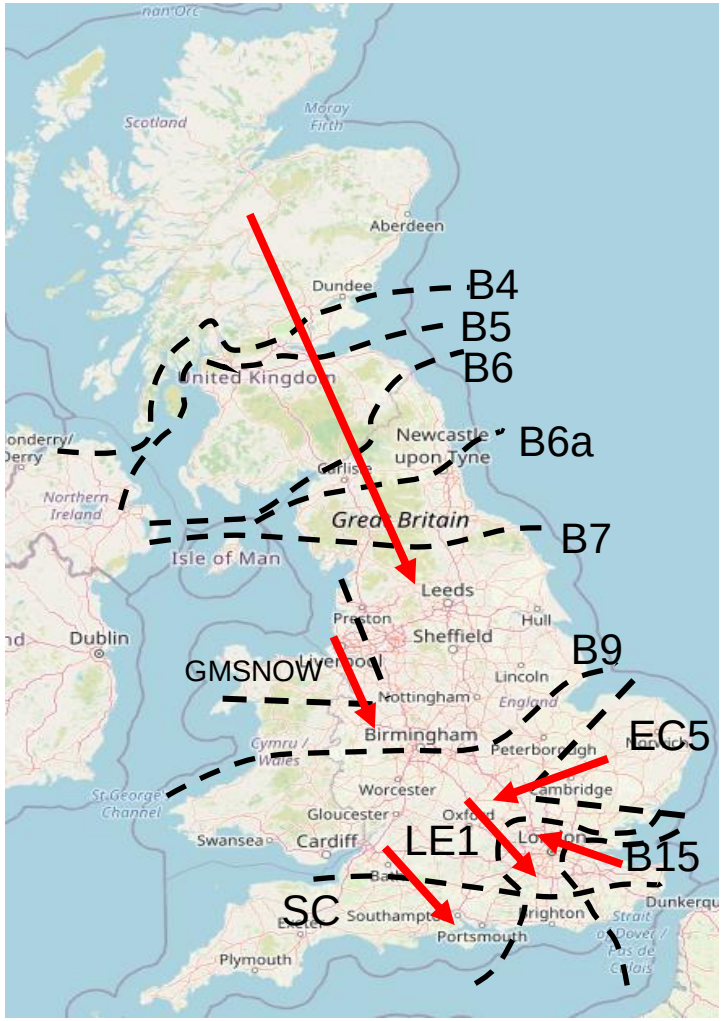
B15 (ESTEX)	7500	95%
SC1	7300	100%



Day ahead flows and limits, and the 24-month constraint limit forecast are published on the ESO Data Portal: Constraints Management

(The forecast and day ahead limits may vary due to changes in the outage plan. The plan is reviewed periodically throughout the year to ensure we are optimising system conditions, whilst managing any necessary outage plan changes)

NESO National Energy System Operator

Skip Rates

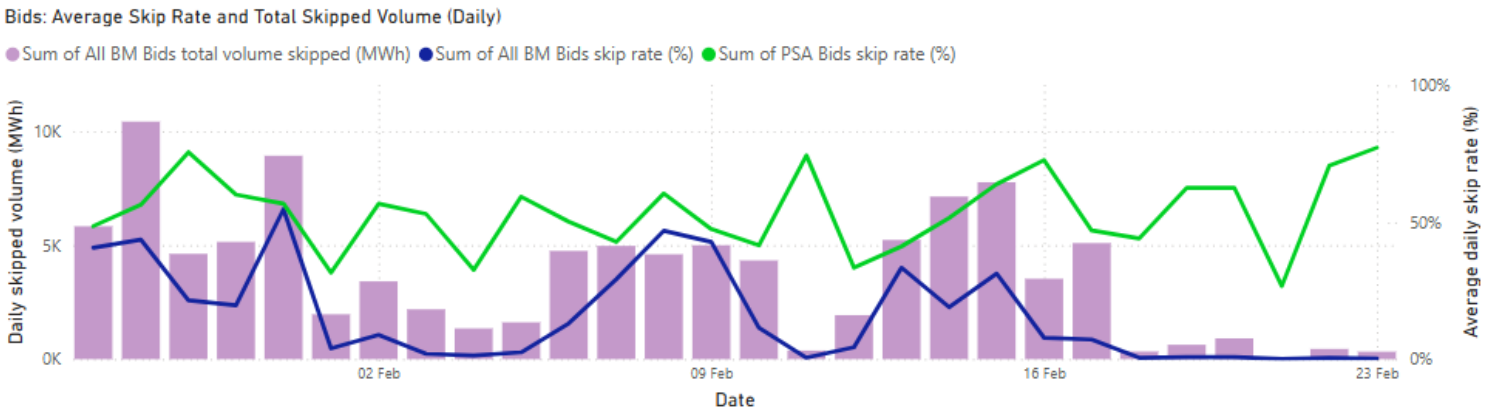
Slido code #OTF

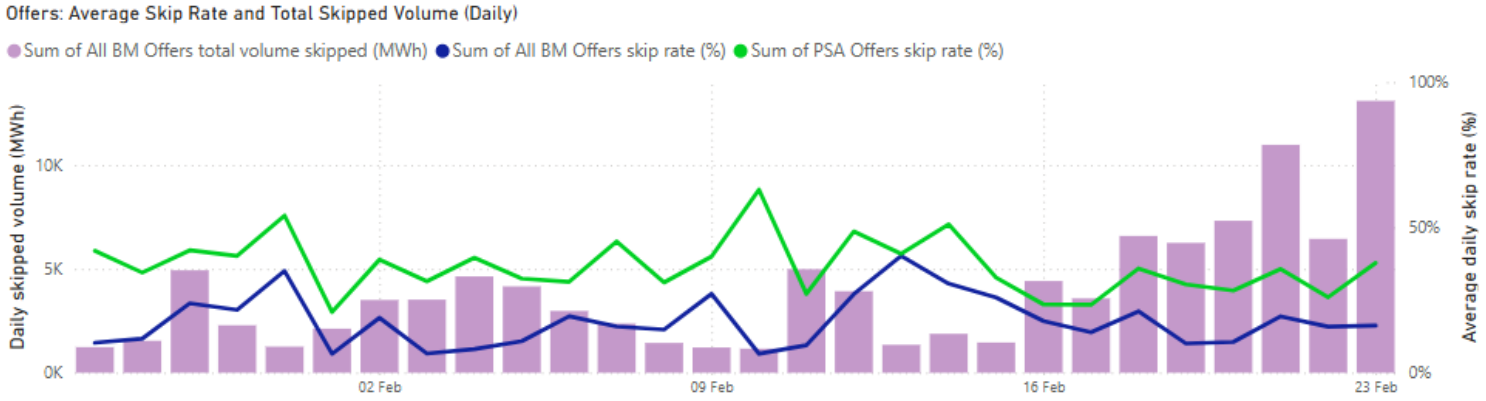
We are now sharing the summary skip rate data on a rolling 4-week basis. We welcome your comments on if you find this valuable and feedback on how we present this data.

Weekly Average Skip Rate	Offers - All BM	Offers - PSA	Bids - All BM	Bids - PSA
02/02	15%	36%	21%	55%
09/02	11%	35%	7%	49%
16/02	15%	33%	11%	50%
23/02	15%	32%	1%	51%

Skip rate data is available here.

Previous webinar recordings about the skip rate methodology can be found on the skip rate and battery storage pages on our website.





Note: we are aware of an issue with the 'In Merit All BM' dataset not updating. As an interim solution we have created separate files for each month but we are working on an enduring solution to recombine them into one file.

PSA: Post System Action

NESO National Energy System Operator

Previously Asked Questions

Q: DESNZ said NESO is reviewing cash-out and scarcity pricing. Last week you said - see the NESO CP30 page. There is no contact email there and no information. Can we have a session on this?

A: Thank you for your question. We will consider this. Please direct your enquiries to box.market.strategy@nationalenergyso.com.

Q: If the system boundaries change week to week, can we have the ones used in the OTF published with the same frequency and transparency as the boundaries on the portal?

A: Thank you for your question. The constraint values published in the OTF are sourced from the day ahead (DA) information that is given to the control room. This is also the source of the constraint values published on the portal. They are the same values, so do not need to be published again. NESO does use two systems for naming the boundaries, using codes such as B7 and names like GMSNOW, which can lead to some confusion. We are currently working to produce a table showing which boundary code responds to which boundary name to increase our transparency in this area. I hope this has answered your question, but please let us know if further clarification is required.

Previously Asked Questions

Slido code #OTF

Q: Re. poor/ missing FPNs from Interconnectors like the Moyle example - what are the impacts of this on both control room system balancing and Balancing costs? Also is NESO investigating this as they are for Wind FPN inaccuracies? thanks

A: The NESO market monitoring team reviews data accuracy as part of standard daily processes in addition to seeking to provide clarity and support to our interpretation of codes where appropriate, such as the wind FPN improvement work. FPNs of interconnectors and all other fuel sources are included within these reviews. We do not comment on the individual behaviours of units.

Q: Can you explain the System Sell Price (SSP) for HH20 today? I cannot find a reason why a price of 36GBP would be accurate?

A: System Sell Price in SP24 on 19th Feb was £35.70/MWh. This price is derived by Elexon through a pre-defined methodology and therefore NESO cannot comment on the reason for a specific imbalance price.

Previously Asked Questions

Q: Can you confirm that "The OSR for 2025 has been postponed to March 2025." as stated in https://www.neso.energy/publications/system-operability-framework-sof not just some undefined date "later in the year" are stated on the slide 52 in the response to OTF previously asked questions.

A: Yes we intend to publish this in March 2025.

Q: T-4 is not 4 years out. March 25 for delivery in October 28 gives very little time for bigger plants to get built, or more recently the networks deliver connections. Is the delivery body (DB) trying to work with DESNZ to bring the auctions back to allow 4 years?

A: The Delivery Body and DESNZ have engaged on moving the timeline back to align to the timeline prior to the Standstill, where Auctions took place towards the end of the year predominantly in December. However, due to the level of policy change and the impact of the General Election on changes last year this has been put on hold for the foreseeable future.

Previously Asked Questions

Slido code #OTF

Q: The previously asked questions say that there are sometimes indicative prices given for SO-SO trades to the control room. Can these be published real-time, or at least reasonably quickly? They would be a significant improvement on the current £0 value.

A: The indicative prices should be included within the BSAD submission but sometimes due to system issues this isn't the case. When the settlements team are aware of a £0 submission, we endeavour to resubmit with an appropriate interim price before finalising the costs and doing a further resubmission.

Previously Asked Questions

Slido code #OTF

Q: Apologies if I missed it, but for TNUoS, what is the Peak Element and how is it calculated? I can see where it's applied, but not where it comes from.

A: The peak Tariff is one of the Location elements of TNUoS (Transmission Network Use of System charges) it is calculated by the transport model to reflect the incremental cost of power being added to or taken off the system at that location on the network based on the assumed flows under a peak generation background.

Q: How were the prices for the Viking Link trade on 8th Jan calculated? These are around half the price of day-ahead prices, and around £700 below within-day prices. A number of these prices will likely set the cashout price and distort the market significantly .

A: The indicative price was provided by the Danish System Operator, Energinet. It is based on the calculated estimate cost of any rebalancing actions procured within its own or neighbouring grid systems required as a result of providing the support to GB. Once the final prices have been confirmed by Energinet, these prices will form part of a Balancing Services Adjustment Data (BSAD) resubmission which goes to Elexon for Cashout calculations. .

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Previously Asked Questions

Q: Does the CM actually give NESO any real comfort / additionality? After all you are merely paying agile generation to generate at a time they would be anyway, due to the high - typically evening peak - prices?

A: NESO operates the Capacity Market on behalf of the government. The intent of the Capacity Market is to ensure security of electricity supply by providing a payment for providers to deliver energy when consumers need it. NESO's Winter Outlook Reports show that the Capacity Market is delivering margins that are adequate and well within the Reliability Standard of 3 hours loss of load expectation set by Government.

Q: Do you think people believe a Capacity Market Notices (CMN) when it's issued? I think they've all been cancelled and never come to anything. Some plant have ramp requirements for these events that can't be cancelled at short notice, so shouldn't the auto calculation include potential Interconnector adjustments etc to not send false signals?.

A: We're unable to comment on the actions of providers however Capacity Market Notices are issued as per the Capacity Market Rules and therefore we are unable to adjust the calculations without changes to the Rules. The intention of the capacity market notice is to provide a warning of the potential for a Stress Event, should a provider not deliver in a stress event they will incur penalties.

Previously Asked Questions

Q: Update on Review of electricity market arrangements (REMA) - from your Q&A - those documents you link to are old. What are you doing now?

A: We are supporting DESNZ across their various workstreams, especially in their analysis of zonal vs reformed national market and policy designs. We are also working on what it would take to implement either policy outcome.

Q: It's great that NESO has published its own case for REMA dispatch change. It seems weird that NESO is also leading the modelling for its own positions, without opportunities for external engagement. (edited)

A: We previously shared the REMA strawman dispatch models with industry for feedback. This was later followed by a modelling exercise with FTI Consulting, where we requested industry input on the methodology and assumptions in November 2024. We published details on the modelling, a summary of the feedback received and our response on our website here.

Any further industry engagement and consultation will be decided upon as part of the REMA Programme led by DESNZ.

Previously Asked Questions

Q: On skip rates, when can you include the interconnectors? This seems a material missing link.

A: We responded to this in the previously asked question section:

The skip methodology has been designed to assess skips within the Balancing Mechanism and was developed by LCP Delta with input from industry. Interconnector actions have not been included in the methodology to this point, however we have taken your feedback onboard and will consider whether they can be included in future developments.

Our roadmap will be shared in the webinar on 27th February so we would encourage you to join if you are interested in future developments.

Q: For the skip rates slide, would it make more sense to have the volume axis in GWh instead of MWh label + k values ?

A: Thank you for the suggestion. Most of the OTF slides use MW as the unit so we will continue to use MWh for consistency.

Q: On the skip dataset, could you please include the split per technology on the weekly basis?

A: Thank you for the suggestion. We are working towards including graphs showing skip rate by technology type.

Advance Questions

Slido code #OTF

Q: (20/02/2025) I note that the Sonar website has been migrated to the new NESO website: https://extranet.nationalenergyso.com/sonar

I also note that the page is regularly updated with 'Additional GT' and 'Active Power Reduction below Submitted SEL' redeclarations. (See first screenshot below.)

However I cannot see any recent warming instructions ('BM Start-Up') on this page. The most recent I can find are from August and September last year (see second screenshot). Is this correct? Can NESO confirm there have been no warmings since this date or is this page no longer being updated with warming instructions? This data is important to market participants.

A: There have been no warming instructions since that date. BM start-up contracts have traditionally only been held with hard fossil fuel type power stations e.g.: coal, biomass, etc. which inherently within their fuel type require a warming period before the fuel can be used. Biomass stations in the BM have not been needed outside of bridging periods where they have maintained a warm state and therefore been accessible through the BM. Other generators should not normally need a BM startup contract by function of the way their turbines generate.

Outstanding Questions

Slido code #OTF

NESO teams are still working to answer these questions

Q: NESO only send IPs to the BMU – this is a limitation of EDL - was this not meant to be resolved in the EBS1 2010 system refresh parties paid for?

Outstanding Advance Questions

Slido code #OTF

Q: (25/02/2025) Moyle BSAD trades have come back again. We had this issue last year and NESO assured market that a fix was identified and put in place. We had multiple Moyle BSAD buys reported via DISBSAD and fed into Cashout on 24th and 25th Feb. I assume NESO will be removing these Moyle trades from BSAD in near future. Can NESO provide a proper fix to this issue? It affects all market participants as it might provide incorrect view of NIV and cashout price.

A: Thank you for raising this – the settlements team will investigate this and provide a further update next week.

Reminder about answering questions at the NESO OTF

Slido code #OTF

- **Questions from unidentified parties will not be answered live**. If you have reasons to remain anonymous to the wider forum, please use the advance question or email options. Details in the appendix to the pack.
- **The OTF is not the place to challenge the actions of individual parties** (other than the NESO), and we will not comment on these challenges. This type of concern can be reported to the Market Monitoring team at: marketreporting@nationalenergyso.com
- **Questions will be answered in the upvoted order whenever possible**. We will take questions from further down the list when: the answer is not ready; we need to take the question away or the topic is outside of the scope of the OTF.
- **Slido will remain open until 12:00**, even when the call closes earlier, to provide the maximum opportunity for you to ask questions.
- **All questions will be recorded and published** All questions asked through Sli.do will be recorded and published, with answers, in the Operational Transparency Forum Q&A on the webpage: https://www.neso.energy/what-we-do/systems-operations/operational-transparency-forum
- **Takeaway questions** – these questions will be included in the pack for the next OTF, we may ask you to contact us by email in order to clarify or confirm details for the question.
- **Out of scope questions** will be forwarded to the appropriate NESO expert or team for a direct response. We may ask you to contact us by email to ensure we have the correct contact details for the response. These questions will not be managed through the OTF, and we are unable to forward questions without correct contact details. Information about the OTF purpose and scope can be found in the appendix of this slide pack

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Appendix

Purpose and scope of the NESO Operational Transparency Forum

Purpose:

The Operational Transparency Forum runs once a week to provide updated information on and insight into the operational challenges faced by the control room in the recent past (1-2 weeks) and short-term future (1-2 weeks). The OTF will also signpost other NESO events, provide deep dives into focus topics, and allow industry to ask questions.

Scope:

Aligns with purpose, see examples below:

In Scope of OTF

Material presented i.e.: regular content, deep dives, focus topics
NESO operational approach & challenges
NESO published data

Out of Scope of OTF

Data owned and/or published by other parties
e.g.: BMRS is published by Elexon
Processes including consultations operated by other parties e.g.: Elexon, Ofgem, DESNZ
Data owned by other parties
Details of NESO Control Room actions & decision making
Activities & operations of particular market participants
NESO policy & strategic decision making
Formal consultations e.g.: Code Changes, Business Planning, Market development

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Managing questions at the NESO Operational Transparency Forum

Slido code #OTF

- OTF participants can ask questions in the following ways:
  - Live via Slido code #OTF
  - In advance (before 12:00 on Monday) at https://forms.office.com/r/k0AEfKnai3
  - At any time to box.nc.customer@nationalenergyso.com

- **All questions asked through Sli.do** will be recorded and published, with answers, in the Operational Transparency Forum Q&A on the webpage: Operational Transparency Forum | NESO
- **Advance questions** will be included, with answers, in the slide pack for the next OTF and published in the OTF Q&A as above.
- **Email questions** which specifically request inclusion in the OTF will be treated as Advance questions, otherwise we will only reply direct to the sender.
- **Takeaway questions** – we may ask you to contact us by email in order to clarify or confirm details for the question.
- **Out of scope questions** will be forwarded to the appropriate NESO expert or team for a direct response. We may ask you to contact us by email to ensure we have the correct contact details for the response. These questions will not be managed through the OTF, and we are unable to forward questions without correct contact details. Information about the OTF purpose and scope can be found in the appendix of this slide pack.

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Skip Rates – 'In Merit' datasets

Slido code #OTF

We recognise that these datasets aren't as intuitive as they could be – specifically the column headings. Please be reassured that we are looking at ways to improve this - we will update the documentation to include this information and will also discuss the datasets in more detail at the webinar on 27th February.

We will use 'accepted' and 'instructed' differently in this context, even though they are normally the same.

These datasets show the units that should have been instructed if decisions were solely based on price, rather than all units that were instructed. Therefore this dataset does not match the total accepted volume datasets in Elexon.

In Merit Volume = Accepted Volume + Skipped Volume

In Merit Volume
- This is the recreated in merit stack showing the lowest cost units that were available to meet the requirement, where the requirement is based on the volume of units that were actually instructed
- Therefore this is the volume that should have been accepted if decisions were solely based on price
- The sum of this column is the total instructed volume in the 5 minute period (subject to the relevant exclusions)

Accepted Volume
- This is the volume that was accepted in merit, as a subset of the 'In Merit Volume' column – i.e. how much volume was accepted in merit
- The sum of this column will be less than the sum of the 'In Merit Volume' column, unless there is no skipped volume
- Note: this column does not list all instructed units

Skipped Volume
- This is the volume that was skipped, as a subset of the 'In Merit Volume' column – i.e. of the volume that we should have instructed, how much was skipped

It's possible that the list of units increases, decreases, or stays the same between stages, but the total 'In Merit Volume' will always remain the same (or no volume is excluded) or decrease (due to exclusions).

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