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- Click 'Turn on live captions'

NESO Operational Transparency Forum

3 September 2025

NESO
National Energy System Operator

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@neso.energy
- **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@neso.energy

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)

Note: to access previous OTF webinars from Slido click on the three lines to the left of forum title

Future deep dive / focus topics

Slido code #OTF

Today's Deep Dive/Focus Topics

None

Future

Balancing Costs: August costs – 17 September

Wind Physical Notification (PN) accuracy monitoring - TBC

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@neso.energy

NESO National Energy System Operator

Update: Operational situation from 20 August 2025

At the last live forum on 20 August we received several questions about the live operational situation. As we explained, the OTF is not the place for NESO to comment on live operational activities.

Update:

NESO continuously carries out operational planning to identify the resources needed to operate the GB electricity system safely and securely.

To manage a particular unplanned network configuration for 20 August, the identified solution required NESO to carry out energy trades across several interconnectors. Due to a situation outside of NESO's control some trades were unable to complete successfully. None of the remaining commercial options were able to supply the required actions and therefore the decision was taken to issue the Emergency Instruction on Eleclink. This is in line with the Order of Actions process.

For information about Interconnector activities, energy trading and Order of Actions please go to the Interconnector Special Refresh presented at the OTF on 5 March 2025.

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Non-Balancing Mechanism (NBM) Dynamic Response Integration with Open Balancing Platform (OBP)

- All providers that deliver **dynamic response products with NBM registered units** (existing and new) will be required to integrate with OBP – catch up on our July Technology Focus Group *here*, where this was discussed.
- We aim to have all **dynamic response providers with NBM registered units integrated with OBP by the end of November 2025**.
- If you are a provider that delivers dynamic response products with NBM registered units, you will have already received communications from our commercial operations team regarding this integration on the 1 September.
- To integrate, providers will need to **update their software to operate with OBP**.
  - Providers will need to exchange & configure end points URLs, credentials and IPs for the new NESO Secure Internet Gateway (SIG), ready for prequalification of the updated service integration with OBP – this can take up to 2 weeks. **We are therefore asking all providers of dynamic response with NBM registered units to respond to the communication received on 1 September as soon as possible.** This will allow us to connect you with the OBP (Site Reliability Engineers) SRE team who will support you through the SIG process ahead of market participant testing (MPT).
  - Please note: If providers have been integrated with the new NESO SIG as part of onboarding for NBM Quick Reserve, they will not need to do this step again for further NBM services, including Dynamic Response and Slow Reserve.
  - **Once the SIG process has been completed,** MPT will be initiated. MPT intends to prove connectivity, functional and technical integration, and conformance to the Service Terms and Business Logic for the Service and is part of prequalification. As a guide, it can take providers 1-2 weeks to complete MPT. **MPT for integration with OBP will commence in October 2025**.
  - On completion of MPT, then the unit(s) will be deemed Prequalified and ready for cutover to OBP.
- Documentation relating to the integration including web services specification & system set up can be found *here*.
- If you have any questions on the technical integration for this service or would like to set up a call to discuss the integration to OBP please contact *box.balancingprogramme@neso.energy*.
- Please note: There is no change required for providers that deliver Dynamic Response with BM registered units at this stage, and migration to OBP will be covered under the wider EDL/EDT migration.

NESO-1 Business Plan April 2026 – March 2028

Performance Objective Webinars

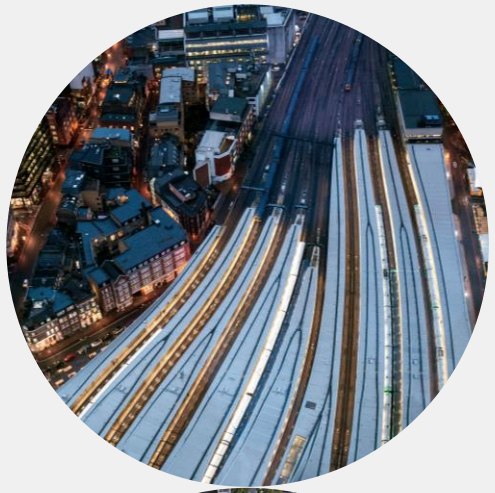
- Two-year plan from April 2026-March 2028
- First post RIIO-2 business plan
- Performance Objectives in development and will build upon those set out in BP3.

For a first look at our draft Performance Objectives, please register for our business plan development webinars on our website

Thursday 11 September 14:00 – 15:00

Monday 22 September 10:30 – 11:30

To register for either webinar, please head to: [Get involved | National Energy System Operator]

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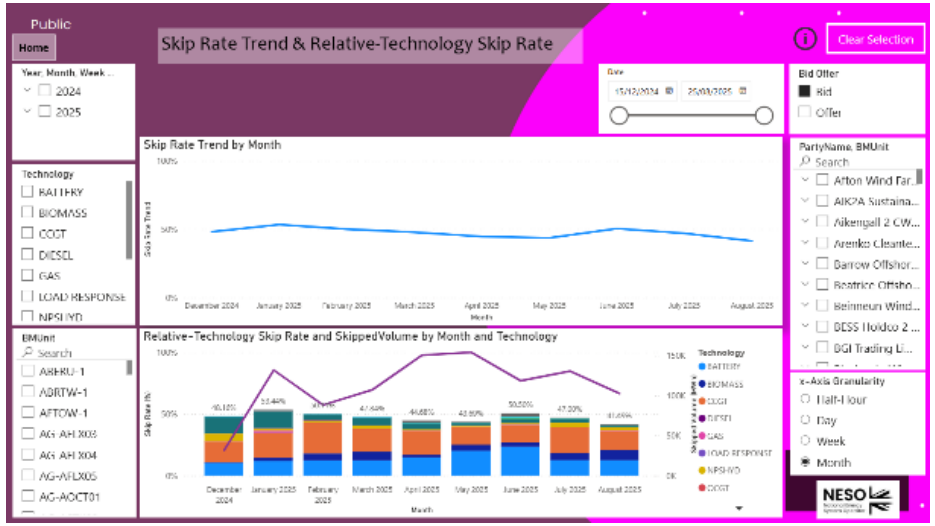
Skip rates interactive dashboard Online drop-in Q&A session

We launched our new interactive dashboard with a webinar on 7 August, accessed via our Skip Rates webpage (scroll down).

Join us for an opportunity to have your questions answered about what the dashboard can show:

Range of metrics | Filters available
Results in general | For particular units



23 September, 15:30 – 16:30

Registration link to follow shortly

We look forward to seeing you.

If possible, please send your questions in advance to our mailbox: box.SkipRates@neso.energy

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ENCC Winter Operability Liaison

Alongside NESO's upcoming Winter Outlook report for 2025/26 we will be hosting our ENCC Winter Operability Liaison meeting on **Thursday 23 October**.

This event is for **operational representatives** from across the industry, and the time & agenda will be confirmed with participants nearer the time.

If you are interested in this session, please let us know via this **survey**.

Quick Reserve phase 2 auction

First auction for NBM units and ABSVD update

The first Quick Reserve (QR) phase two auction has taken place on **2 September** at **2pm** for Service Day 3 September 2025, allowing non-Balancing Mechanism (NBM) providers to take part in the daily QR auction.

For NBM providers wishing to take part in the service, full onboarding details can be found on the Quick Reserve webpage below or contact commercial.operation@neso.energy

Following Ofgem's decision letter for the Article 18 Dynamic Response and C9 consultations, the relevant suite of C9 documents and Dynamic Response terms and conditions has also gone live on the first Service Day of QR phase two.

This means Applicable Balancing Services Volume Data (ABSVD) for NBM units is applied from **11pm** on **2 September**

NESO National Energy System Operator

Slow Reserve delivery delay

STOR procurement update

We are sorry to announce that we've had to postpone the implementation of Slow Reserve and will not proceed with the previously announced go-live date in October 2025.

A revised go-live date has not yet been set, but we anticipate that the delay will extend the launch into early 2026.

We will continue to procure Short Term Operating Reserve (STOR) until the Slow Reserve service goes live. Find more detail below.

The transition of the Balancing Reserve auction to align with Response and Quick Reserve will not be affected and is still planned for October.

Slow Reserve and STOR update

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National Energy System Operator

Future Event Summary

Slido code #OTF

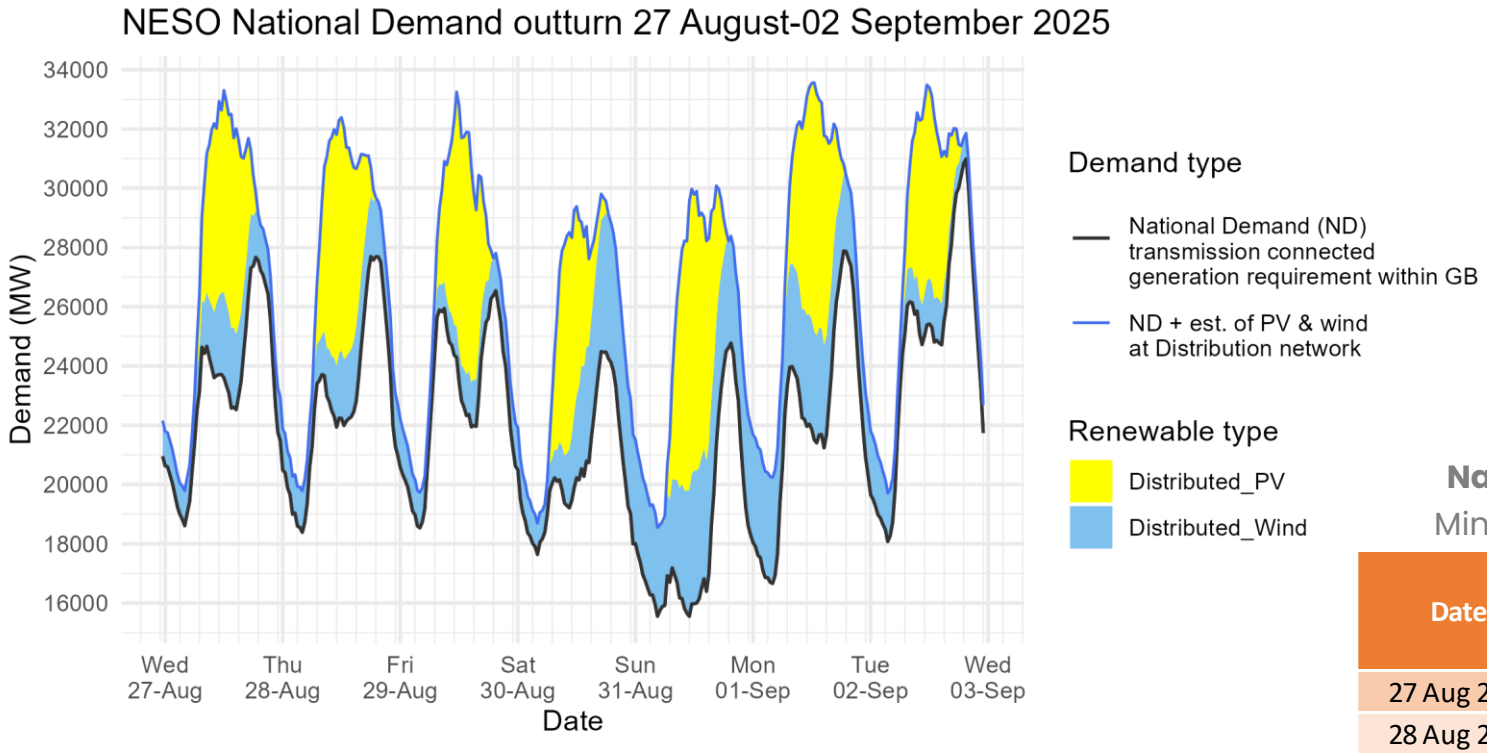
Event	Date & Time	Link
DFS Evolution Workshop	4 Sept (13:30-15:30)	Register here
NESO-1 Business Plan Apr 2026 – Mar 2028 Performance Objective Webinars	11 Sep (14:00 – 15:00)	Register here
	22 Sep (10:30 – 11:30)	
Balancing Programme Sep 2025 Webinar	16 Sep (11:00-12:30)	Register here
Revenue and Charging Forum (In person)	16 Sep 09:15 to 15:00 (approximately)	Register Here
Revenue and Charging Forum (Webinar)	25 Sep 09:30 to 15:00 (approximately)	Register Here
Skip rates interactive dashboard Online drop-in Q&A session	23 Sep (15:30 – 16:30)	Register link will follow shortly
ENCC Winter Operability Liaison	23 Oct	Pre-meeting survey link click here

Check out the NESO Events Calendar for more...

NESO National Energy System Operator

Demand | Last week demand out-turn

Slido code #OTF



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

Distributed generation

Peak values by day

Date	OUTTURN	
	Daily Max Dist. PV (GW)	Daily Max Dist. Wind (GW)
27 Aug 2025	7.2	2.9
28 Aug 2025	7.9	2.5
29 Aug 2025	8.2	1.7
30 Aug 2025	7.3	4.7
31 Aug 2025	9.7	4.5
01 Sep 2025	8.4	3.8
02 Sep 2025	6.6	2.2

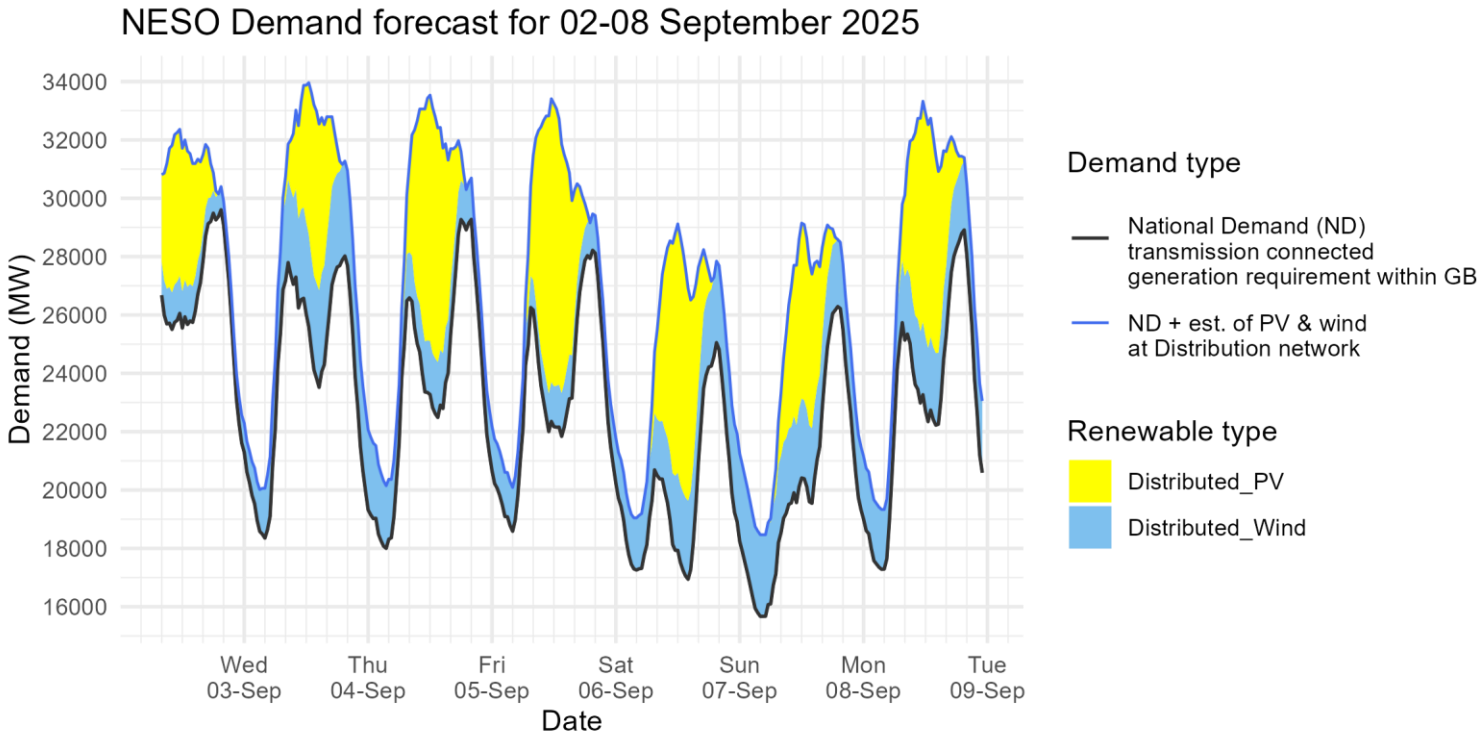
National Demand

Minimum Demands

Date	Forecasting Point	FORECAST (Wed 27 Aug)		OUTTURN	
		National Demand (GW)	Dist. wind (GW)	National Demand (GW)	Dist. wind (GW)
27 Aug 2025	Evening Peak	27.7	1.9	27.7	1.6
28 Aug 2025	Overnight Min	17.7	1.8	18.4	1.4
28 Aug 2025	Evening Peak	27.0	2.4	27.7	2.0
29 Aug 2025	Overnight Min	17.8	1.8	18.5	1.2
29 Aug 2025	Evening Peak	25.7	1.7	26.3	1.2
30 Aug 2025	Overnight Min	17.0	1.5	17.6	1.1
30 Aug 2025	Evening Peak	22.2	4.0	24.5	4.5
31 Aug 2025	Overnight Min	14.2	3.7	15.6	3.0
31 Aug 2025	Evening Peak	23.5	2.8	24.5	3.7
01 Sep 2025	Overnight Min	16.9	1.9	16.7	3.6
01 Sep 2025	Evening Peak	27.8	1.8	27.9	2.6
02 Sep 2025	Overnight Min	18.1	1.6	18.1	1.6
02 Sep 2025	Evening Peak	28.7	1.2	30.4	0.8

Demand | Week Ahead

Slido code #OTF



	Datetime	Demand (GW)
Weekly Min	07 Sep 2025 05:00	15.7
Weekly Peak	02 Sep 2025 20:30	29.6

National Demand

Minimum Demands

		FORECAST (Tue 02 Sep)	
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)
02 Sep 2025	Evening Peak	29.5	0.8
03 Sep 2025	Overnight Min	18.4	1.7
03 Sep 2025	Evening Peak	27.7	3.2
04 Sep 2025	Overnight Min	18.0	2.1
04 Sep 2025	Evening Peak	29.3	1.3
05 Sep 2025	Overnight Min	18.6	1.5
05 Sep 2025	Evening Peak	28.0	1.2
06 Sep 2025	Overnight Min	17.3	1.8
06 Sep 2025	Evening Peak	24.2	2.6
07 Sep 2025	Overnight Min	15.7	2.8
07 Sep 2025	Evening Peak	26.2	2.3
08 Sep 2025	Overnight Min	17.3	2.1
08 Sep 2025	Evening Peak	28.5	2.3

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NESO National Energy System Operator

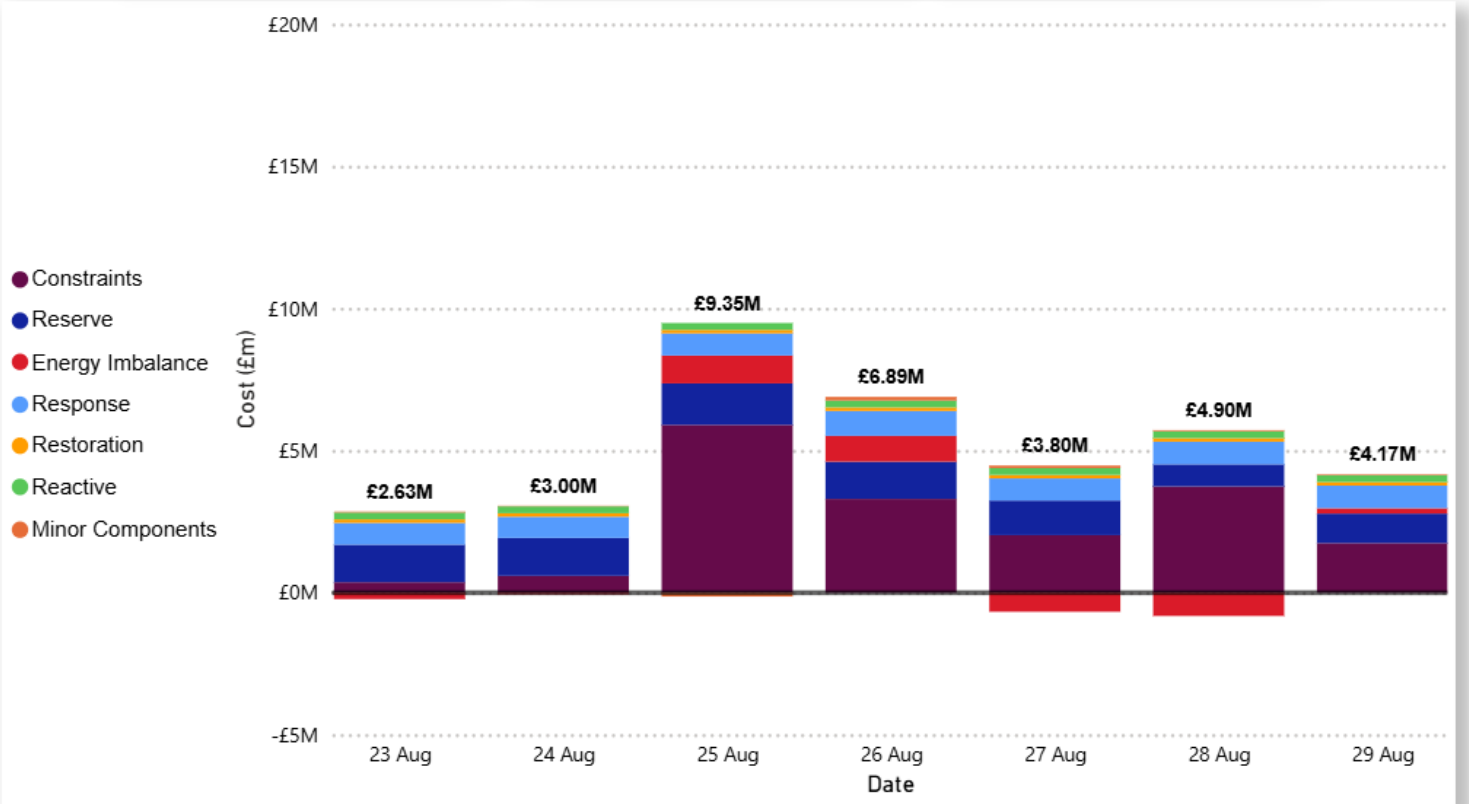
NESO Actions | Category Cost Breakdown

Slido code #OTF

Date

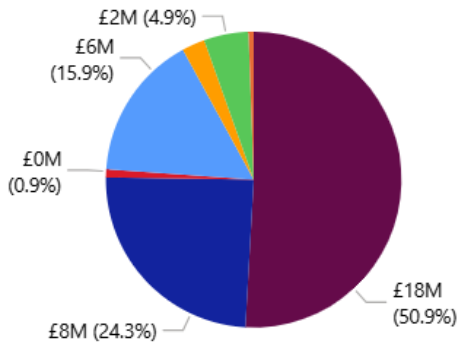
23/08/2025 29/08/2025

Weekly Total Costs (£)	Last Week Total Costs (£)	Past 30-Day Average Costs (£)
34.7M	26.2M	6.1M



Date	Total Costs
23 August 2025	£2,630,427
24 August 2025	£3,000,069
25 August 2025	£9,353,678
26 August 2025	£6,887,807
27 August 2025	£3,804,950
28 August 2025	£4,899,529
29 August 2025	£4,166,348
Total	**£34,742,809**

Weekly Cost (£) and Share (%)



NESO National Energy System Operator

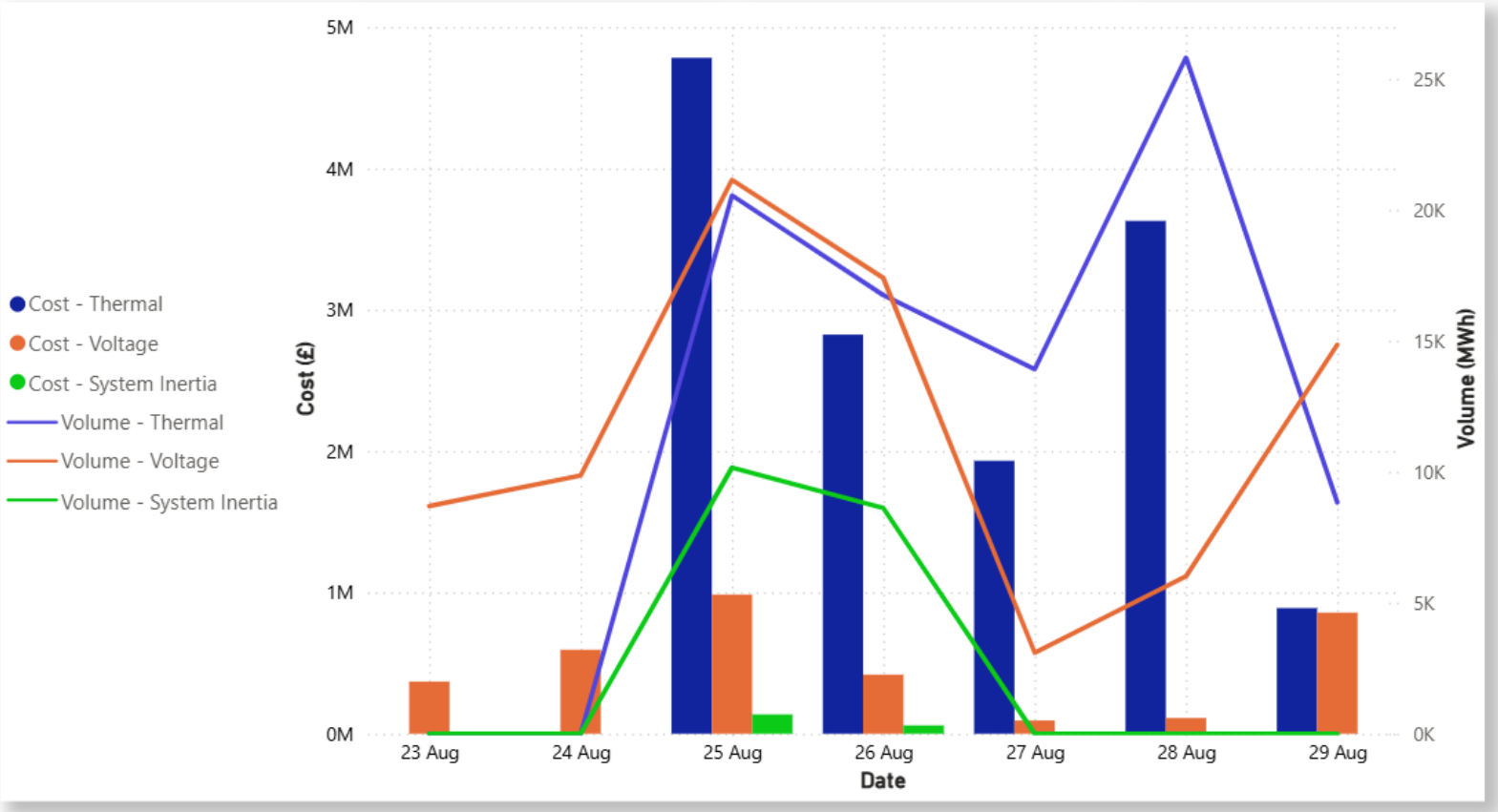
NESO Actions | Constraint Cost Breakdown

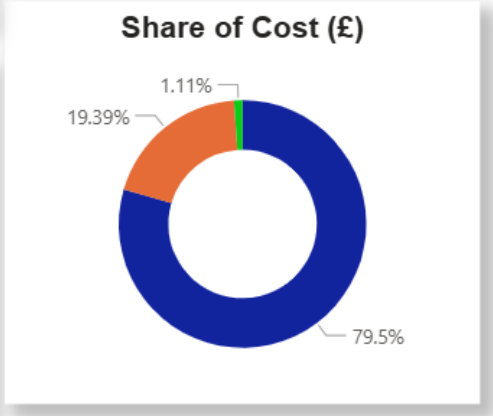
Slido code #OTF

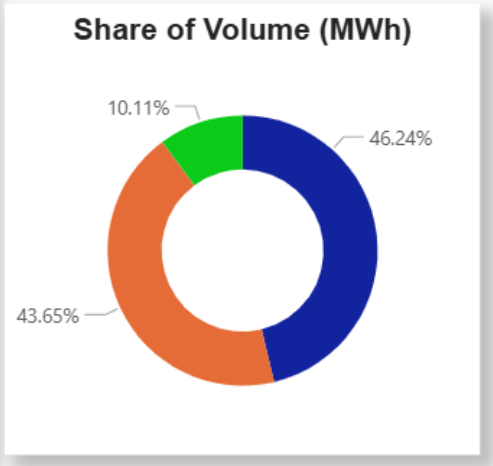
Date

23/08/2025 29/08/2025

Thermal Constraints		Voltage Constraints		System Inertia	
Costs (£)	Vol (MWh)	Costs (£)	Vol (MWh)	Costs (£)	Vol (MWh)
14.06M	85.85K	3.43M	81.04K	195.56K	18.78K







Note: Thermal Constraint volume is reported as an absolute figure.

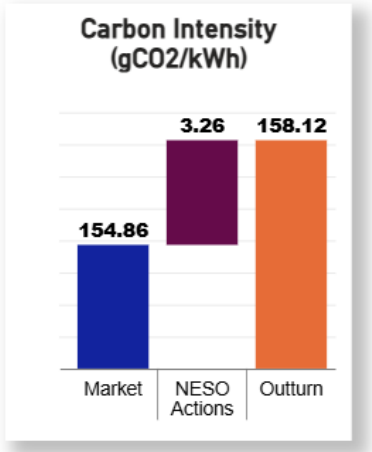
NESO National Energy System Operator

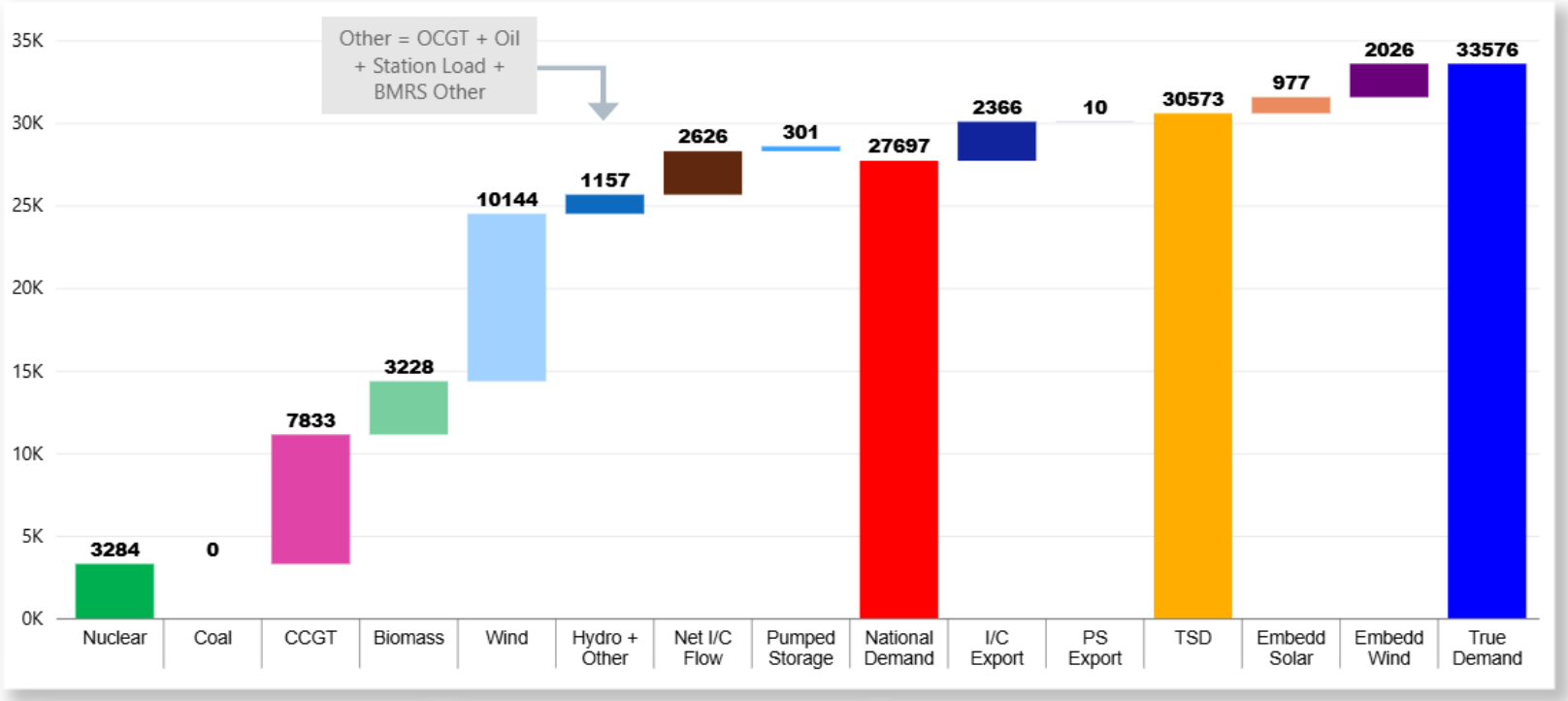
NESO Actions | Peak Demand – SP spend ~159k
Thursday 28th August

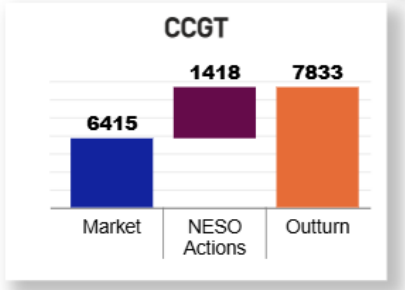
Slido code #OTF

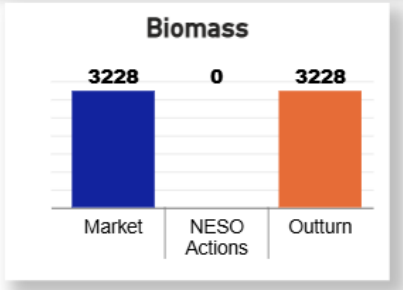
Date: 28 August 2025 | SP: 38

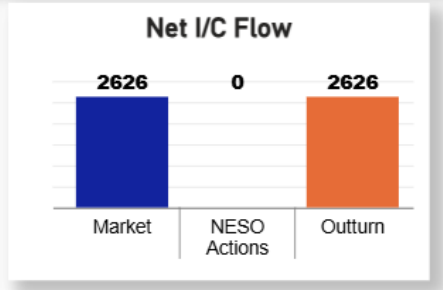
Half-hour preceding
19:00

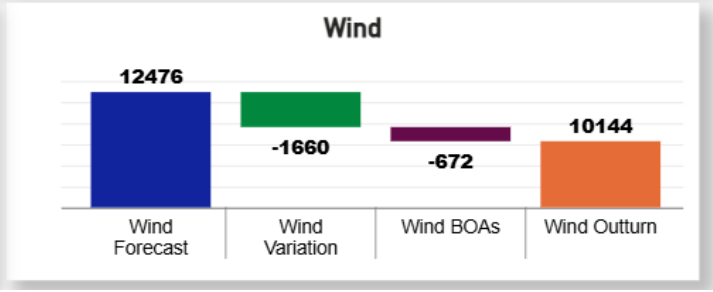












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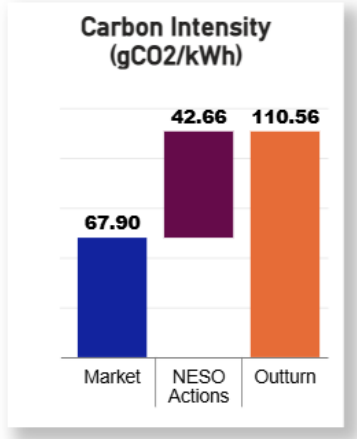
NESO Actions | Minimum Demand – SP spend ~£130k Monday 25th August

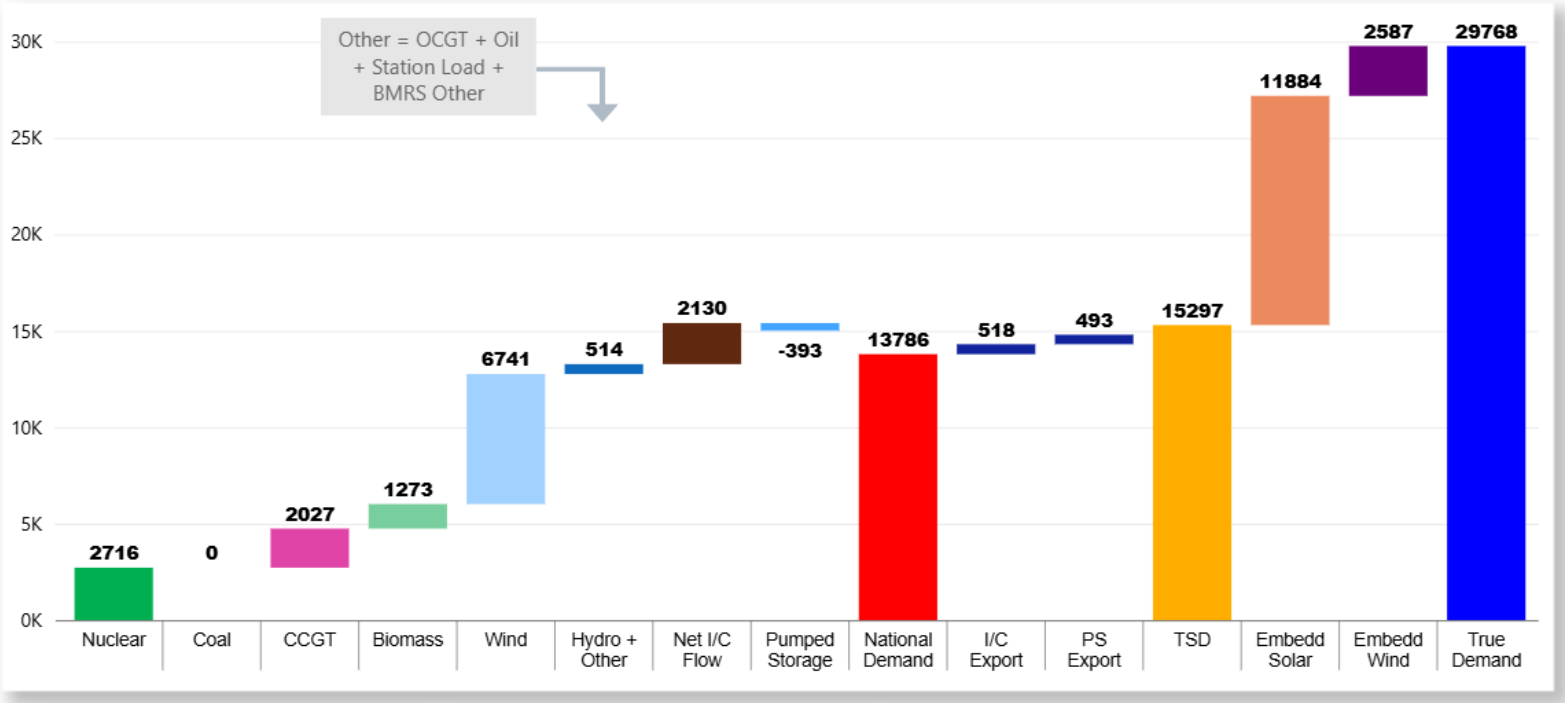
Slido code #OTF

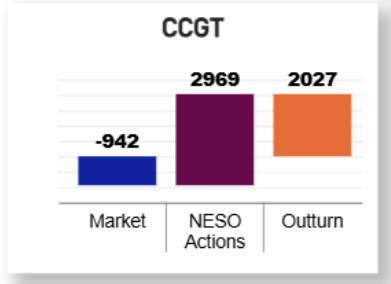
Date: 25 August 2025

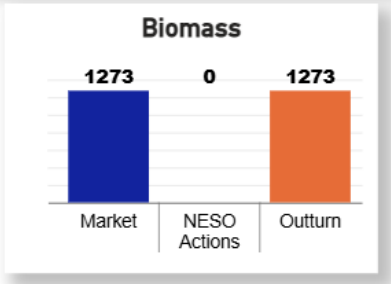
SP: 29

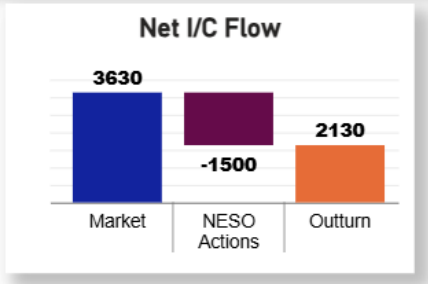
Half-hour preceding: 14:30

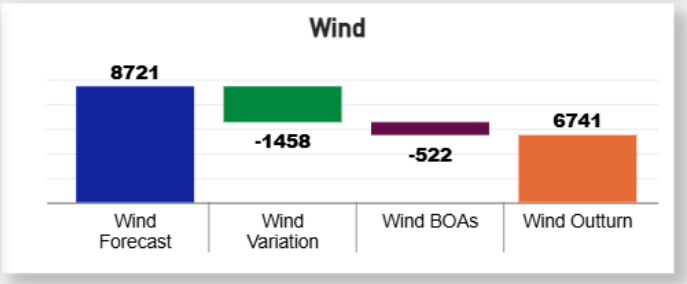












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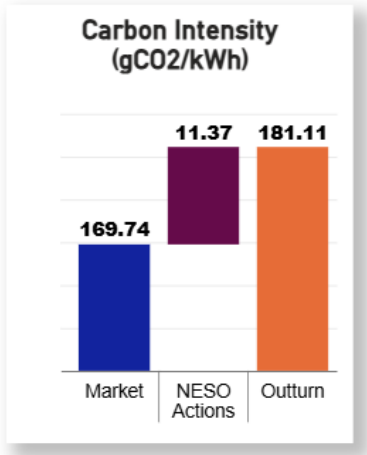
NESO Actions | Highest SP spend ~£385k Monday 25th August

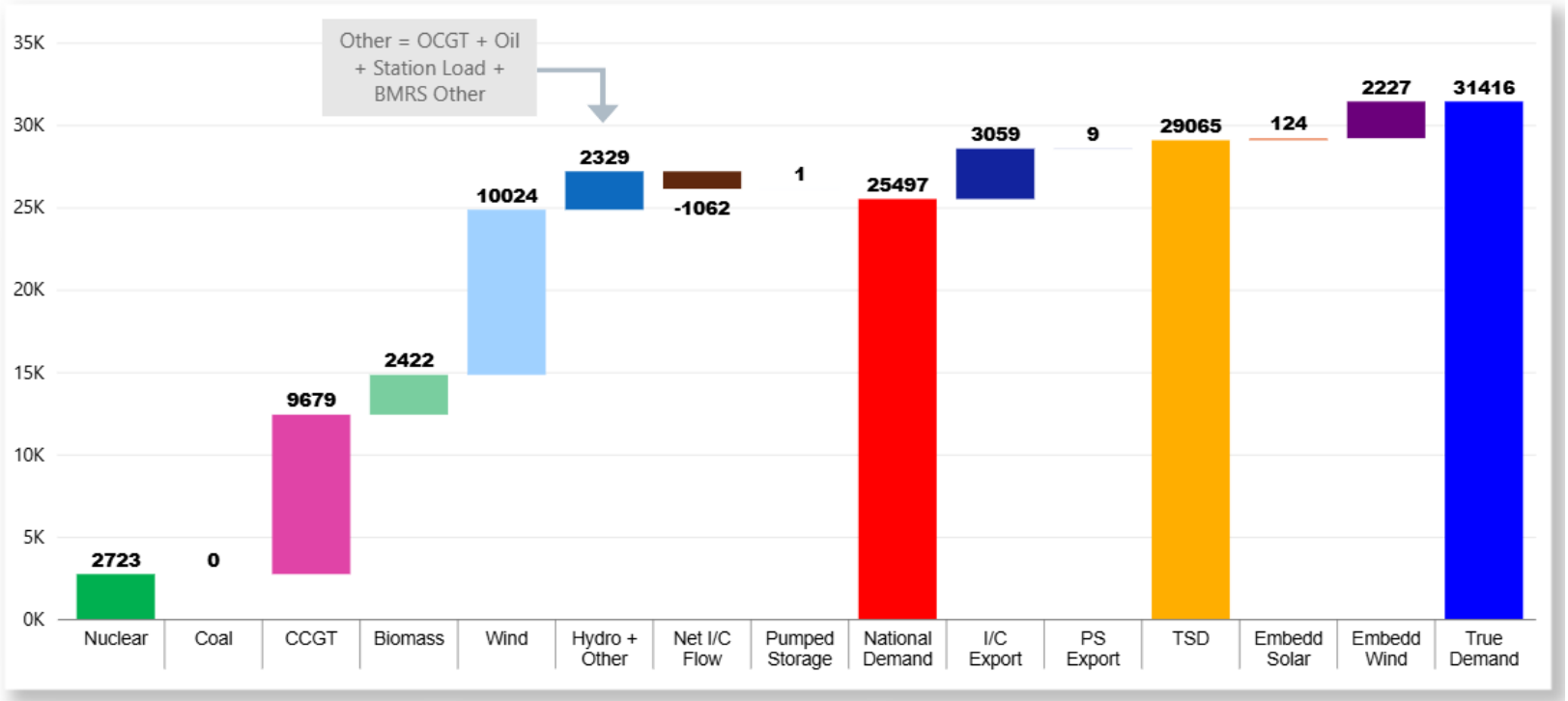
Slido code #OTF

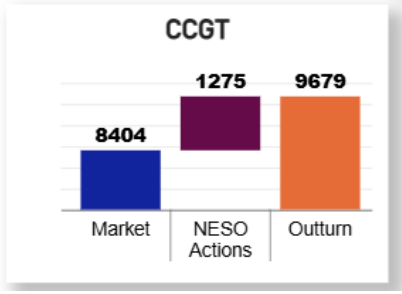
Date: 25 August 2025

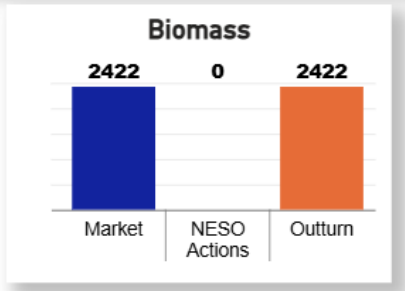
SP: 40

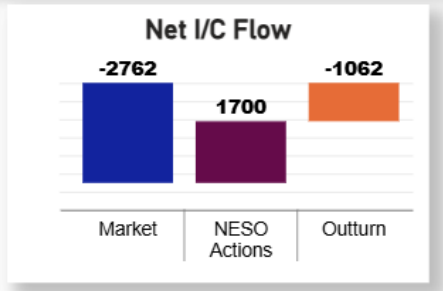
Half-hour preceding: 20:00

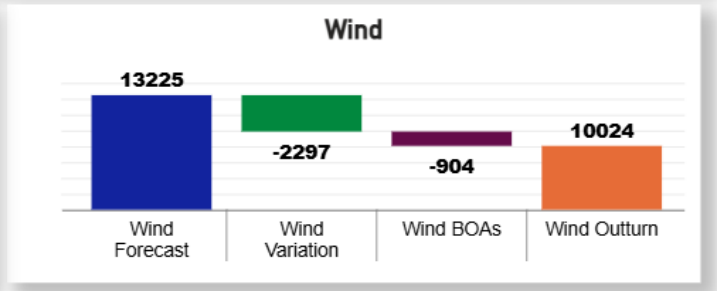








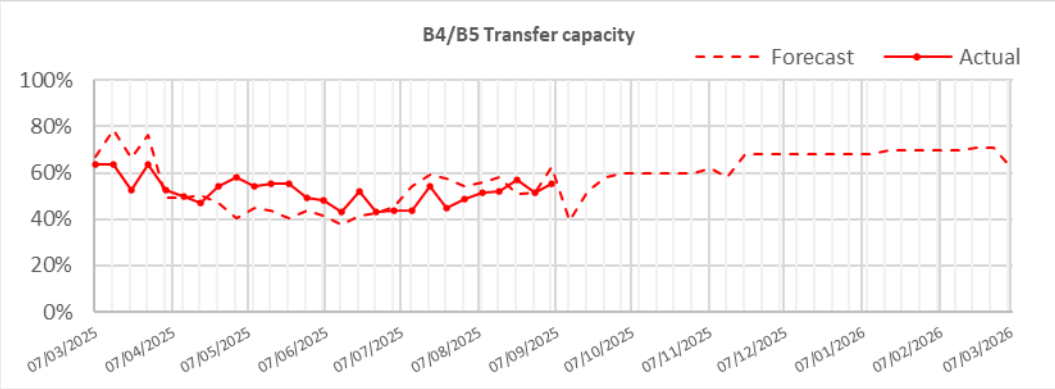


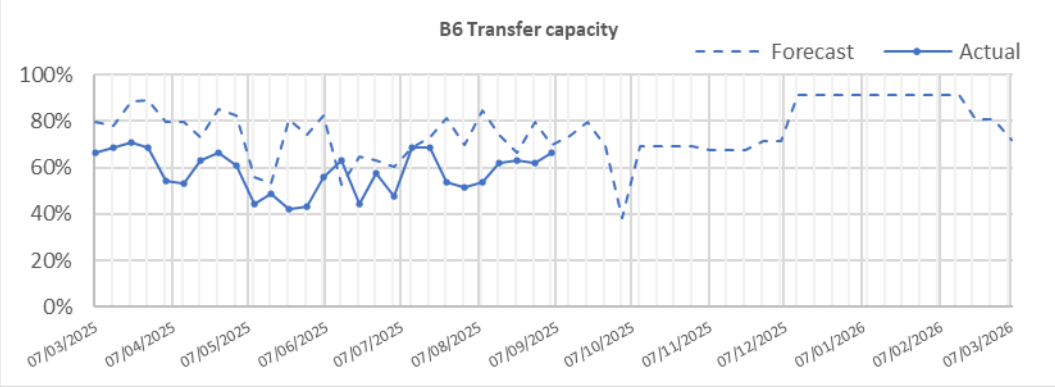


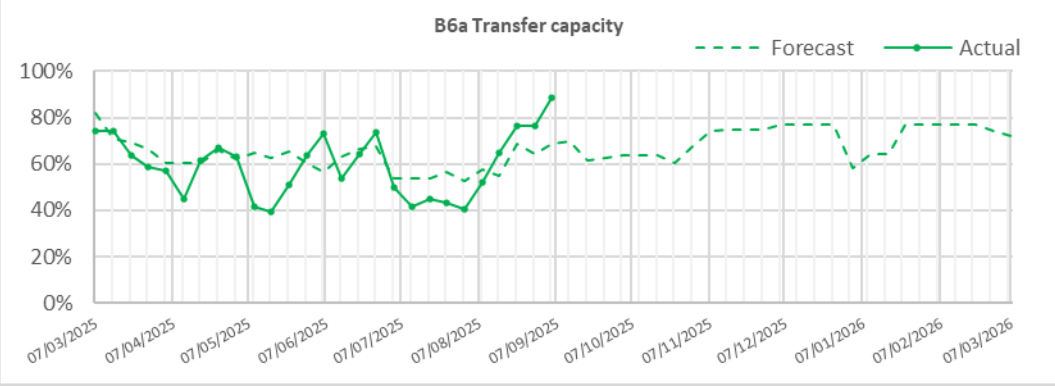
NESO National Energy System Operator

Transparency | Network Congestion

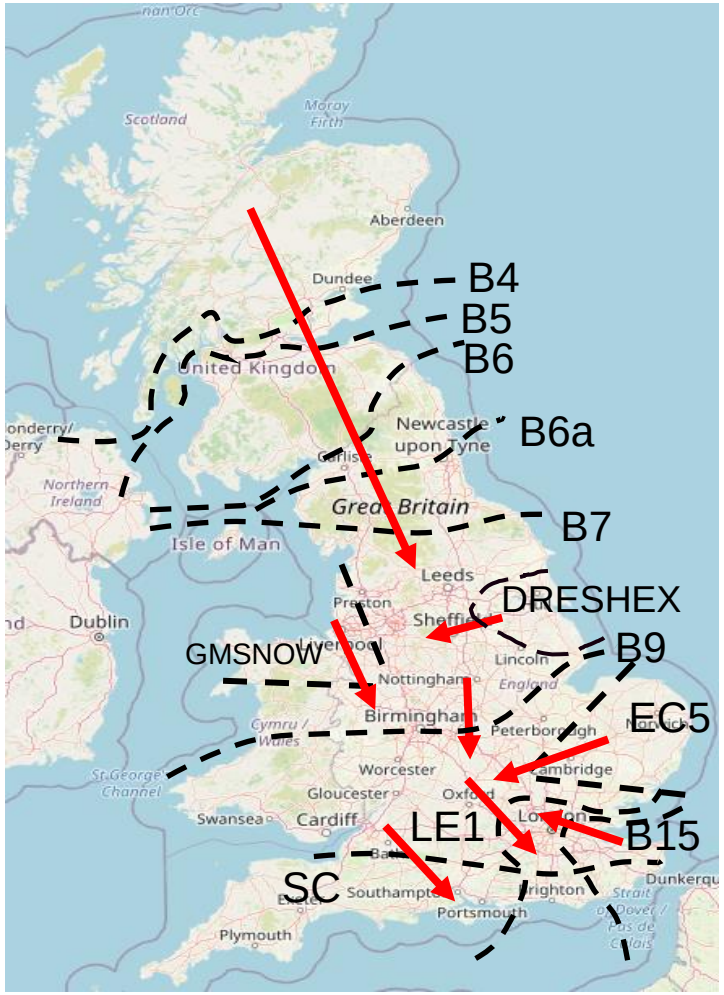
Slido code #OTF







Boundary	Max. Capacity (MW)	Current Capacity (%)
B4/B5	3400	55%
B6 (SCOTEX)	6800	66%
B6a	8000	89%
B7 (SSHARN)	9850	70%
GMSNOW	5800	37%
FLOWSTH (B9)	12700	84%
DRESHEX	9675	67%
EC5	5000	100%
LE1 (SEIMP)	8750	70%
B15 (ESTEX)	7500	86%
SC1	7300	67%



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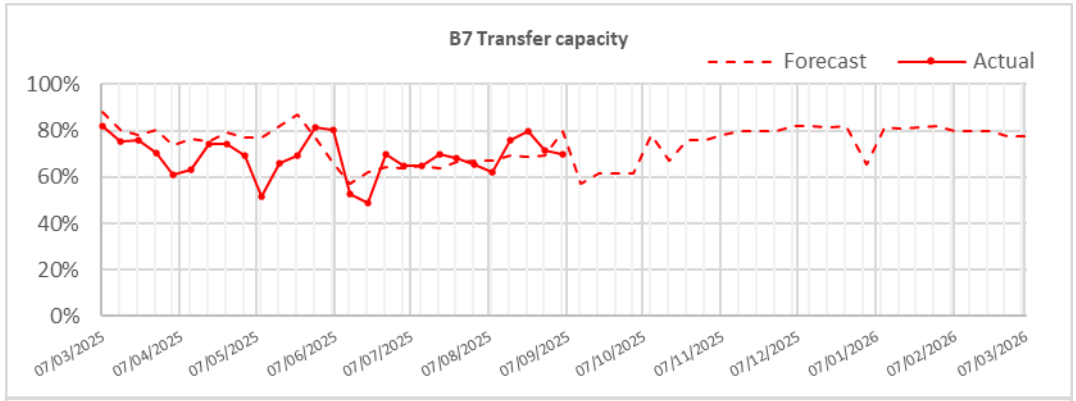
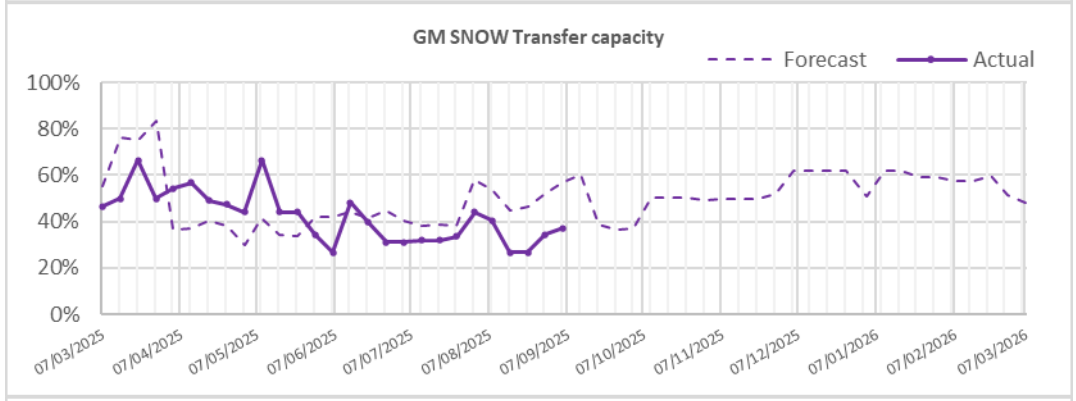
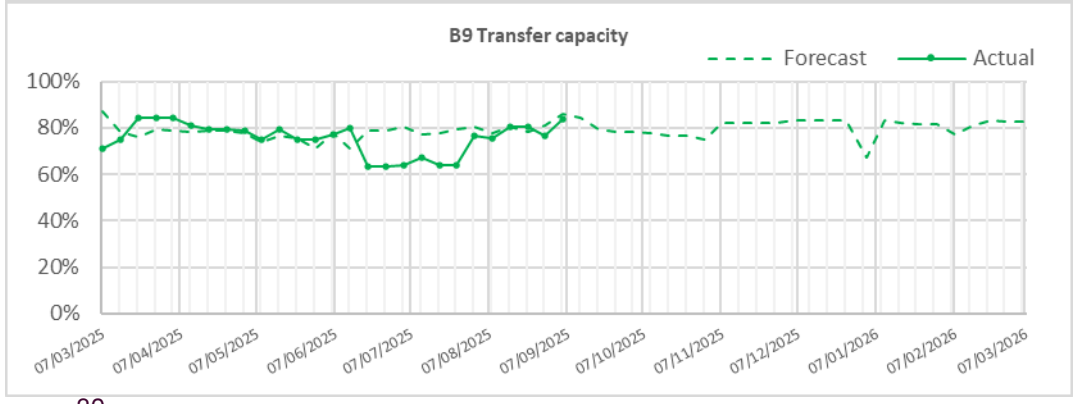
NESO National Energy System Operator

Transparency | Network Congestion

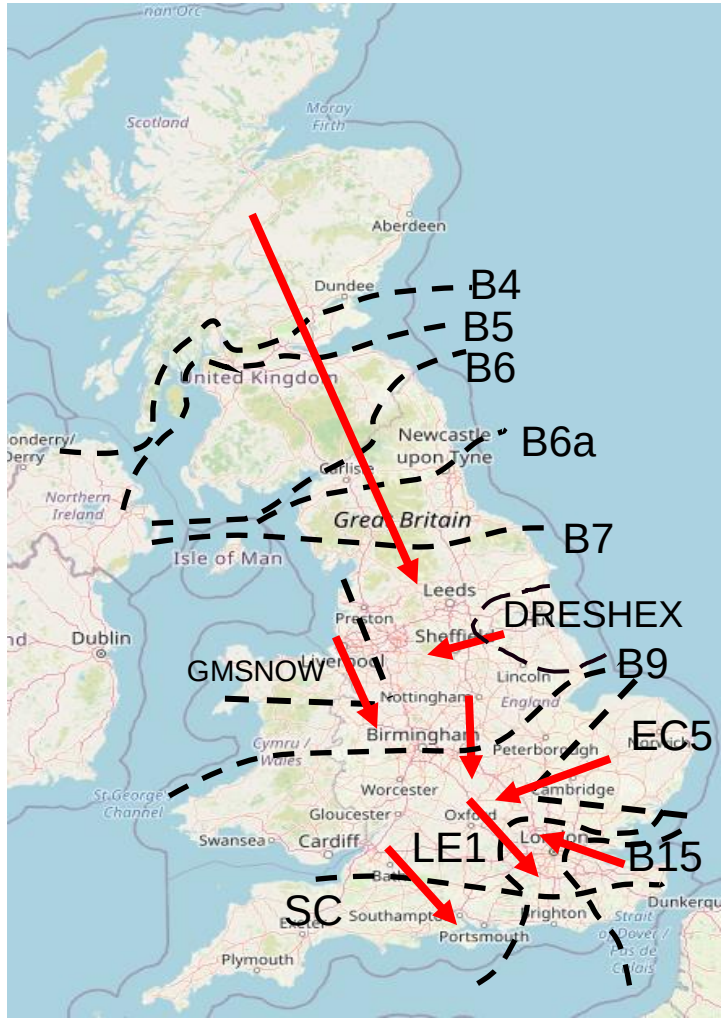






Boundary	Max. Capacity (MW)	Current Capacity (%)
B4/B5	3400	55%
B6 (SCOTEX)	6800	66%
B6a	8000	89%
B7 (SSHARN)	9850	70%
GMSNOW	5800	37%
FLOWSTH (B9)	12700	84%
DRESHEX	9675	67%
EC5	5000	100%
LE1 (SEIMP)	8750	70%
B15 (ESTEX)	7500	86%
SC1	7300	67%

Slido code #OTF



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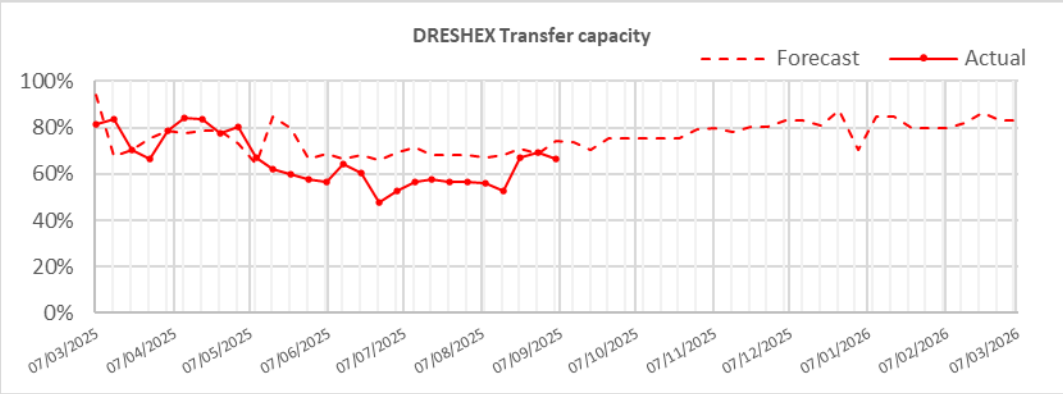
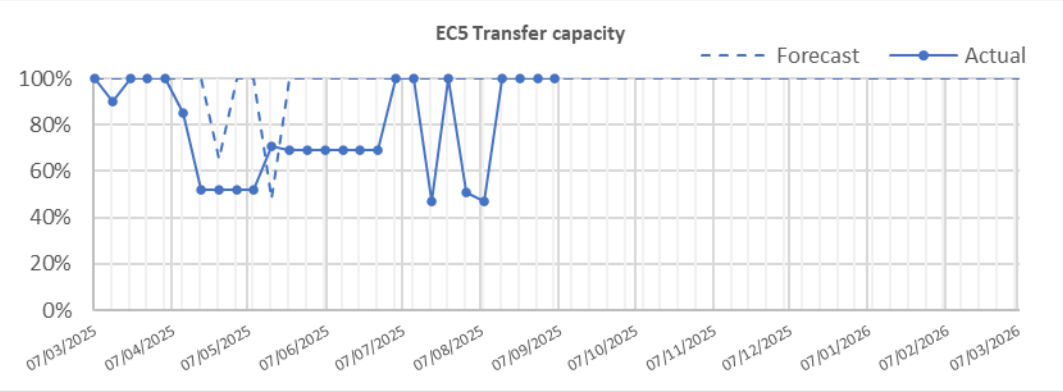
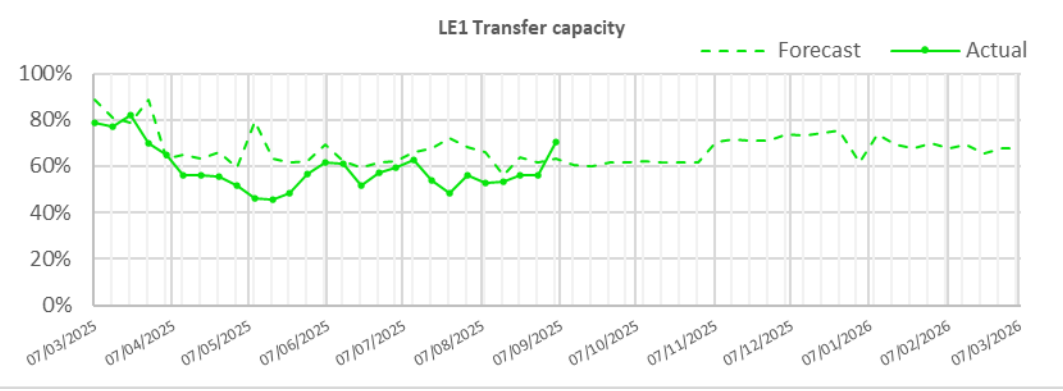
NESO National Energy System Operator

Transparency | Network Congestion







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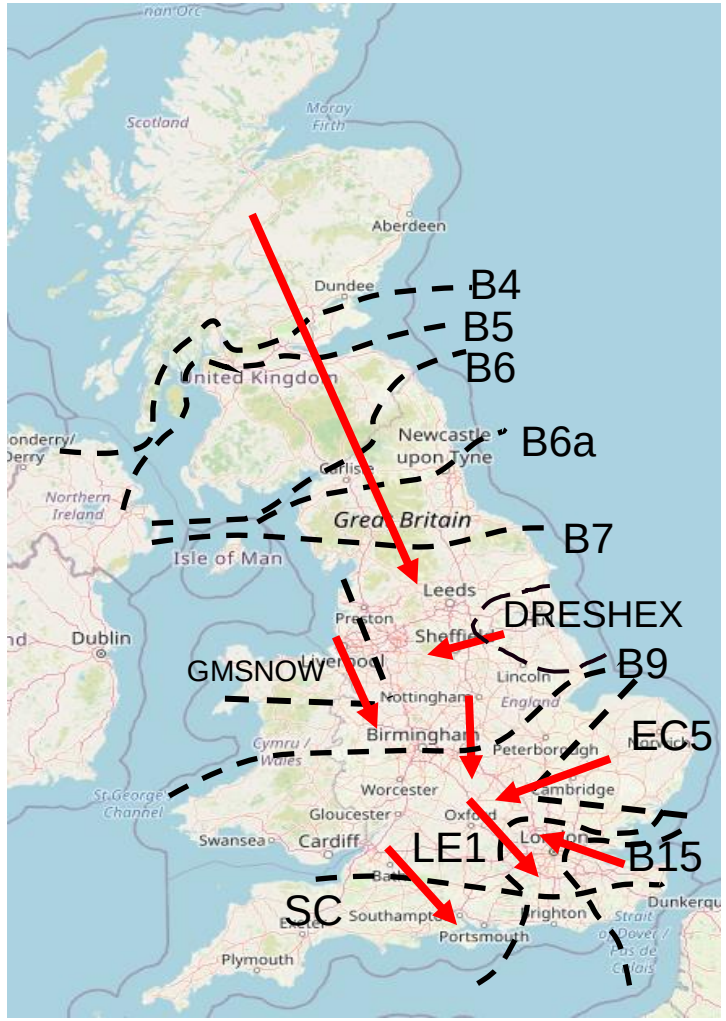

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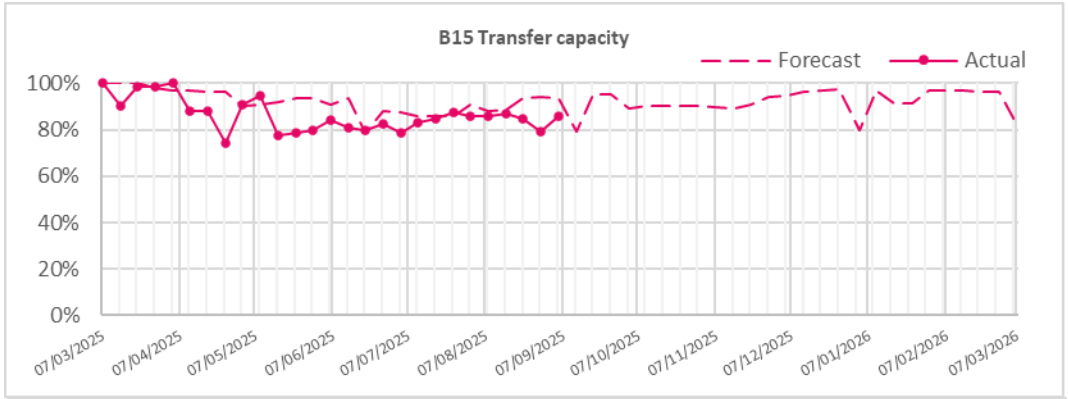
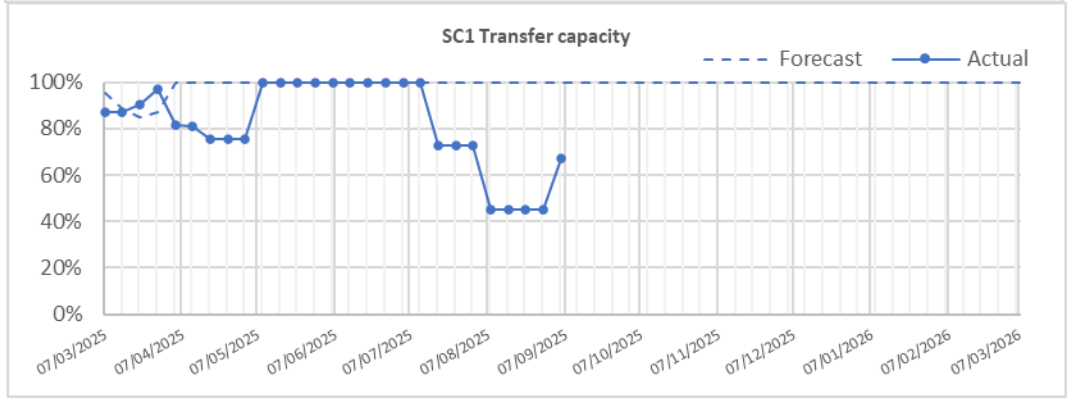
Transparency | Network Congestion





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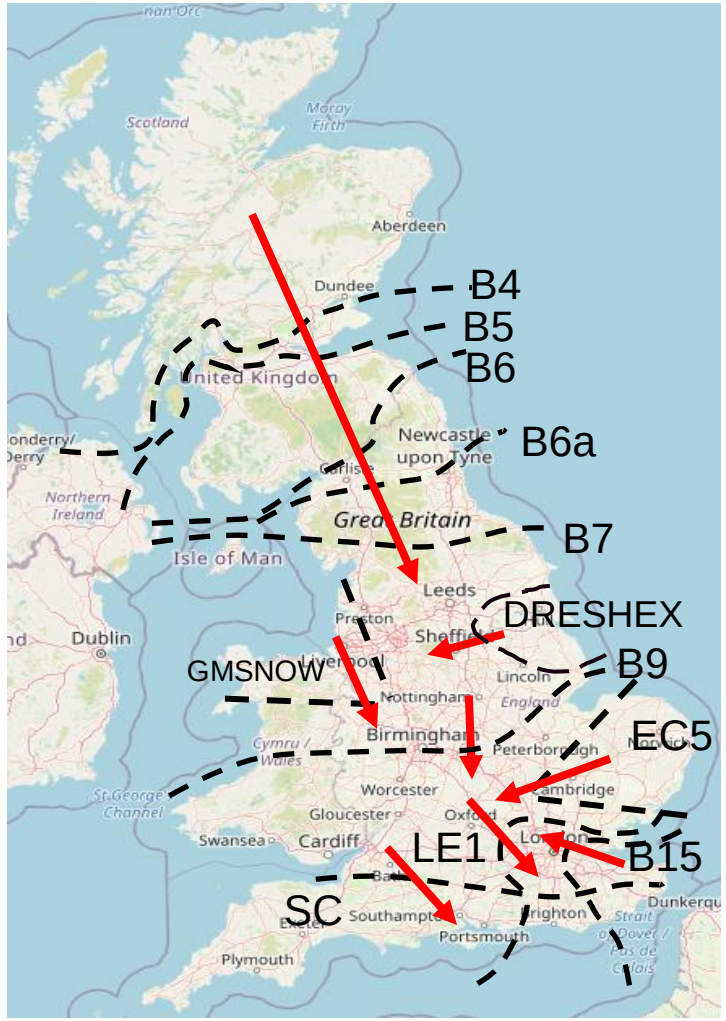


The forecast line is updated with the 10-week ahead view, and this happens each week. So, everything up to 10 weeks ahead is the forecast from 10-week ahead view, and everything after that is the fixed long-term forecast view.

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 by Technology Type – Bids

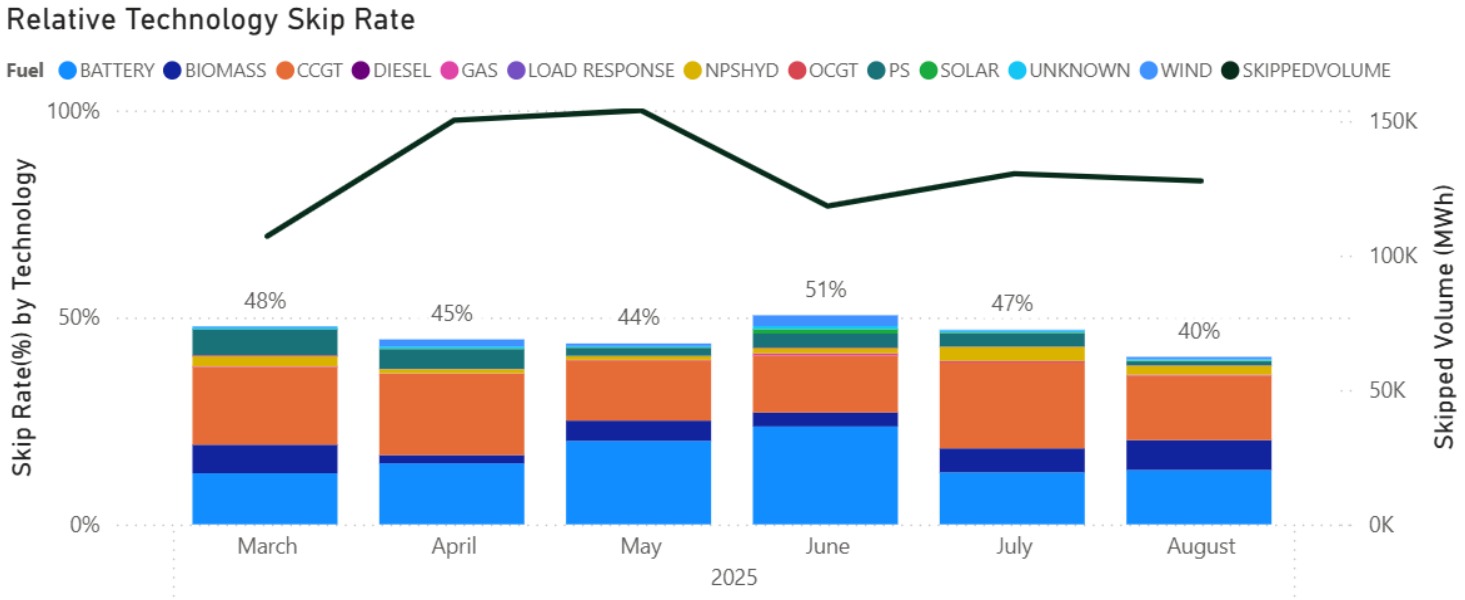
Slido code #OTF

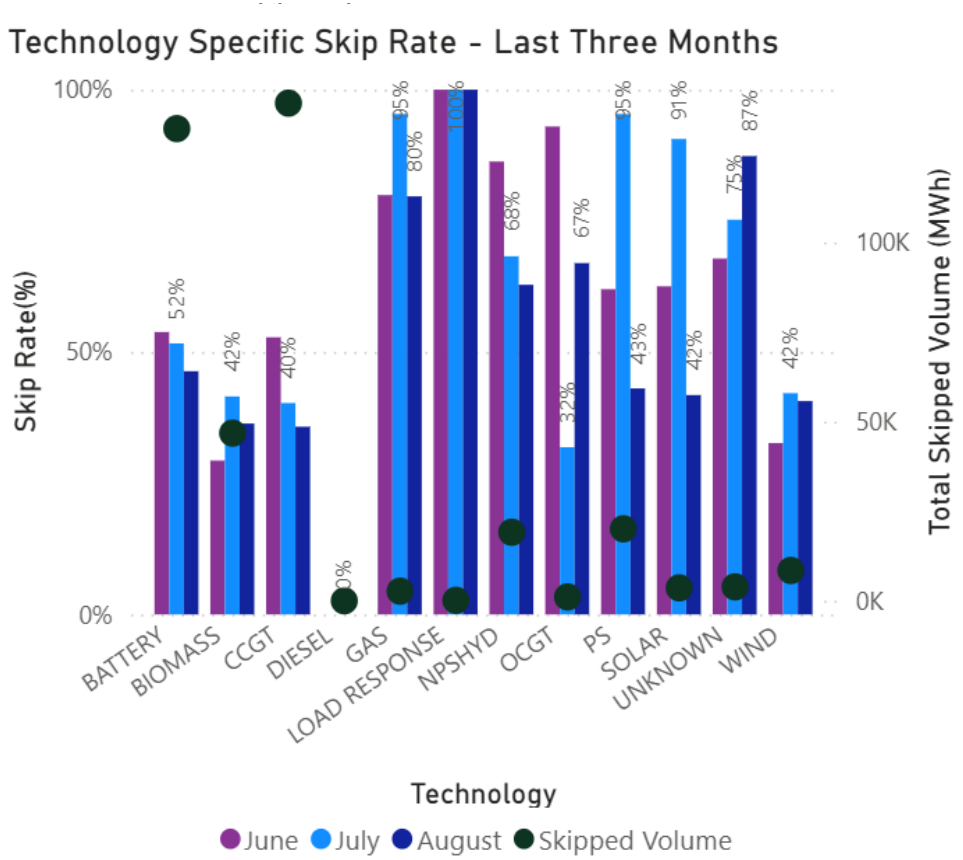
The current skip rate methodology only considers energy actions within the BM

We have added skip rate by technology type to our 4-week rolling summary. We welcome your comments on if you find this valuable and feedback on how we present this data.

These graphs are based on stage 5 of the PSA definition.

Weekly Average w/e	Bids - All BM	Bids - PSA
10/08	1%	38%
17/08	19%	45%
24/08	38%	44%
31/08	11%	37%





Gas: Gas reciprocating units
NPSHYD: Non-Pumped Storage Hydro
PS: Pumped Storage

Contact us on box.SkipRates@neso.energy

Skip rate data and more info on skip rates including methodology can be found on our website.

Rerecorded deep dive can for found on our webpage: here

Skip Rates by Technology Type – Offers

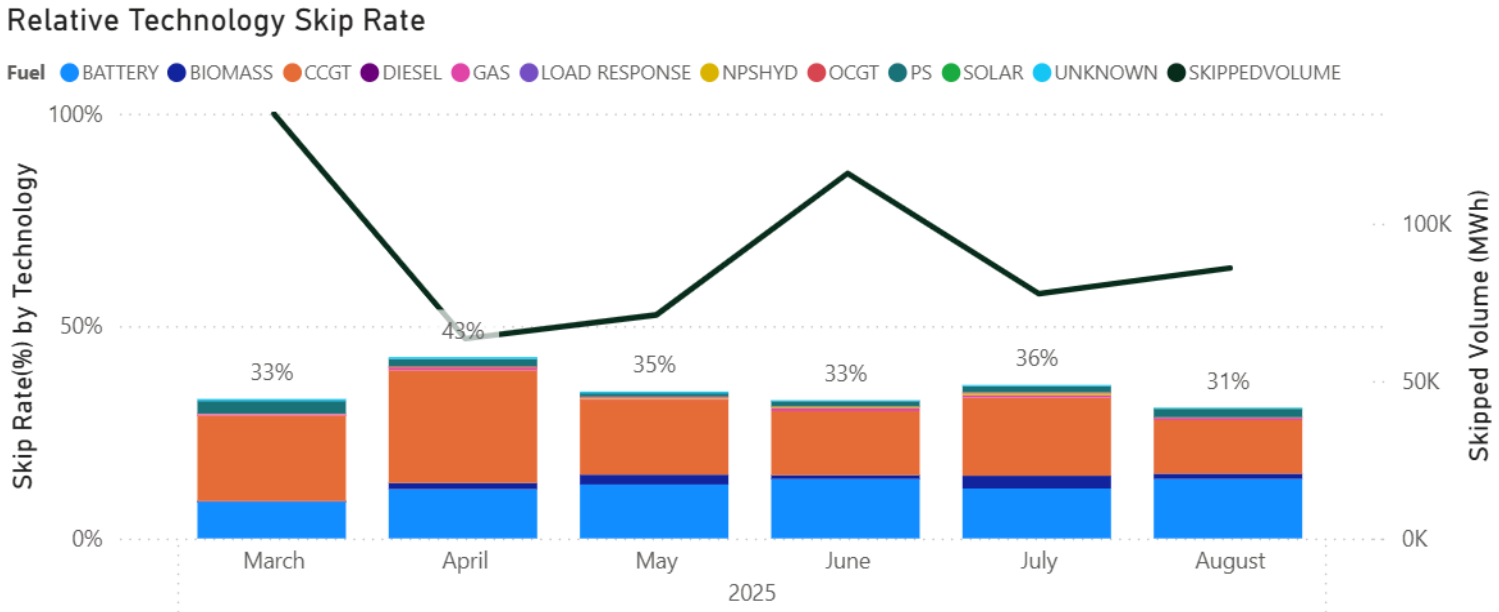
Slido code #OTF

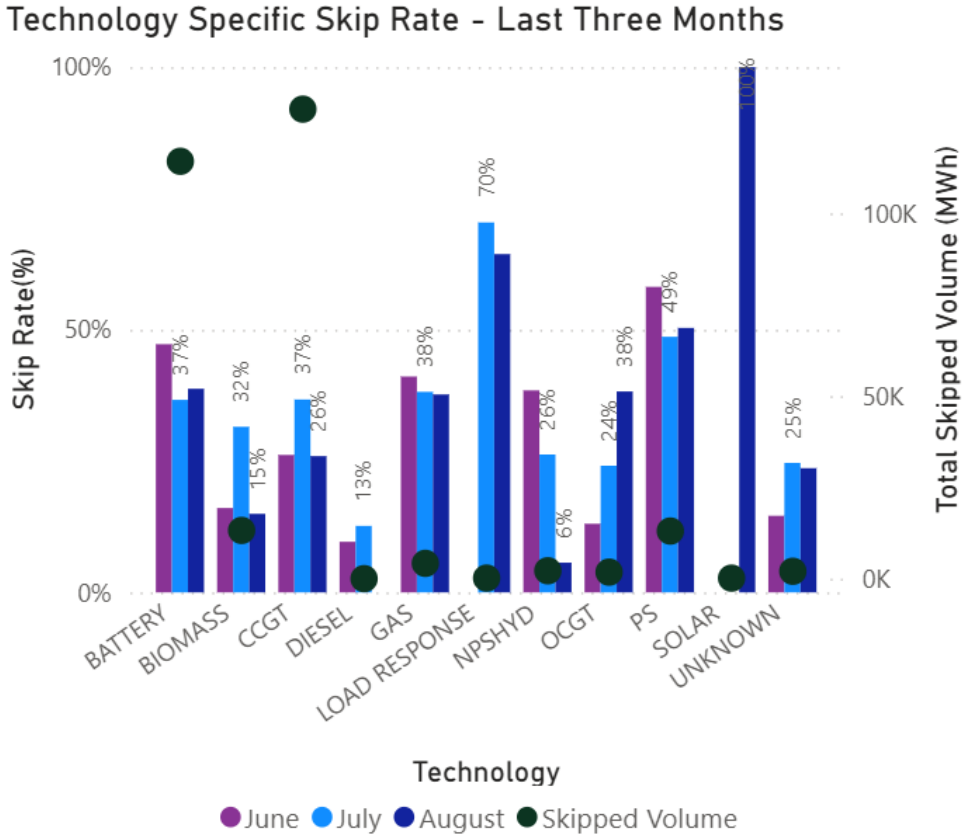
The current skip rate methodology only considers energy actions within the BM

We have added skip rate by technology type to our 4-week rolling summary. We welcome your comments on if you find this valuable and feedback on how we present this data.

These graphs are based on stage 5 of the PSA definition.

Weekly Average w/e	Offers - All BM	Offers - PSA
10/08	10%	30%
17/08	12%	35%
24/08	7%	31%
31/08	8%	28%





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Contact us on box.SkipRates@neso.energy

Skip rate data and more info on skip rates including methodology can be found on our website.

Rerecorded deep dive can for found on our webpage: here

Skips Rates
What would you like to know more about?

Please share with us your thoughts on what we could explain further in relation to skip rates, so that our **Dispatch Transparency Programme** can look into producing additional material to share with the industry.

Please send your requests and suggestions to:

box.SkipRates@neso.energy

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Previously Asked Questions

Q: (20/08/2025) When the GMSNOW boundary is heavily constrained (as it is currently) - that would presumably impact the ability to export out of Scotland over the Western link. Does that constraint also appear in the operational boundary capacity of other boundaries the link crosses (e.g. B6/B6a/B7)?

A: The GM+SNOW5A limit is impacted by the loading level of the Western Link (WL), with higher WL loading resulting in a lower GM+SNOW5A limit. Moreover, since GM+SNOW5A acts as a complementary boundary to B7, outages and flows across B7 also influence the GM+SNOW5A boundary. During the planning phase, GM+SNOW5A is set to accommodate higher WL flow, which allows for increased flows through B6/B6a/B7. However, in real-time operations, the Electricity National Control Centre (ENCC) determines the optimal operating limits for these boundaries

Q: (20/08/2025) In Quick Reserve (QR) for calculating penalties, are these calculated using the current MEL/PN/MIL/SEL etc. Or does NESO look at the MEL/PN submitted from the hour before. Are the penalties calculated in real time as the minutes come along, and then the penalty applied for that half hour?

A: The performance monitoring is done post event, taking the last submitted data from the unit for the period of the contract – this data should reflect what was available in real time during the contract.

Previously Asked Questions

Q: (20/08/2025) I have written many times to the settlement team with specific examples and have been ignored, similarly DFS team.

A: We are sorry to hear you are unhappy with the service provided. In order for us to follow up please will you provide specific examples to the Settlements Team at: box.settlement.queries@neso.energy We will then be able to look into the issues and provide a full response.

Advance Questions

Slido code #OTF

Q: (15/07/2025) We have been contacted by NESO wishing to make arrangements to gain the ability to disconnect one of our assets located in Scotland from the grid in the event of sub-synchronous oscillations (SSO). The communication states that NESO have seen oscillations of 3-20Hz in "this part of the Network". As our project is not yet operational, then clearly these oscillations are not of our making.

In the Sub-synchronous oscillations in GB, Current state and plans for future management May 2024 document, NESO stated:

"In operational timescales, we ensure that sub-synchronous oscillations are avoided by conducting stability studies closer to real time and taking appropriate measures to mitigate the risk of sub-synchronous oscillations. The operational measures we may take include requesting the arming/disarming power system stabilisers, management of series compensation schemes, network reconfiguration, managing outages to maintain system strength, etc"

Given NESO's request to gain the ability to disconnect our asset, it appears that these measures have not been sufficient to prevent sub-synchronous oscillations.

Advance Questions

Slido code #OTF

Q: (15/07/2025) Continued…

NESO also state “We follow a transparent and collaborative approach. Sharing lessons learned…” and “We will keep our customers and stakeholders informed of the progress of this plan, the future obstacles, and any other operational challenges encountered in the future”

Therefore:

1. Can NESO update the May 2024 report “Sub-synchronous oscillations in GB, Current state and plans for future management”
2. Has NESO encountered any SSO since Summer 2023? If so, where are details published?
3. The investigation into Summer 2023 “concluded that a particular asset was the major contributor to the sub-synchronous oscillations event”. Has this asset’s operation now been corrected so it is no longer a contributor?
4. Does NESO have any SSOs with unidentified sources?
5. Does this process affect the detail of RMS and EMT models which are required to be submitted?

Advance Questions

Slido code #OTF

Thank you for the questions. Please find the responses as follows:

Q1. *Can NESO update the May 2024 report "Sub-synchronous oscillations in GB, Current state and plans for future management"?*

A: As the purpose of the report is for knowledge sharing about the emerging challenge of sub-synchronous oscillation (SSO) under higher Inverter-based Resources (IBR) integration, new reports relevant to the topic can be issued in future under the discretion and decision of NESO if deemed appropriate determined based on the significance, impact and widespread of an event. Furthermore, the mitigation actions listed in planning and operational time scales within the Summer 2023 report are not exhaustive as implied in the same passage and section.

Q2. *Has NESO encountered any SSO since Summer 2023? If so, where are details published?*

A: There has been no significant event that was deemed necessary by NESO to be shared with the public. Under normal circumstances, information about SSO events shall be shared only with the affected and affecting parties.

NESO
National Energy System Operator

Advance Questions

Slido code #OTF

Continued…

Q3. *The investigation into Summer 2023 concluded that a particular asset was the major contributor to the sub-synchronous oscillations event. Has this asset's operation now been corrected so it is no longer a contributor?*

A: The asset's response around the mode of oscillation specified in the Summer 2023 report has been improved and verified via compliance process.

Q4. *Does NESO have any SSOs with unidentified sources?*

A: NESO operates the system as per the license conditions and under the National Electricity Transmission System (NETS), Security and Quality of Supply Standard (SQSS) and Grid Code. Any unacceptable condition such as SSO is either planned out, if possible, or mitigated in real-time on case-by-case basis.

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Advance Questions

Slido code #OTF

Continued…

Q5. *Does this process affect the detail of Root Mean Square (RMS) and Electromagnetic Transient (EMT) models which are required to be submitted?*

A: No foreseeable effects on RMS and EMT model submission are expected. Any future amendments to the RMS or EMT model submission will be made publicly available.

Advance Questions

Slido code #OTF

Q: (20/08/2025) What happened to ElecLink pre-gate trades and following Emergency instruction today. NESO traded ElecLink down by 1000 MW today between 06:00 and 12:00 UK time via Faradyn auctions. However at 05:54 Control Room issued Emergency Instruction to ElecLink. Is this instruction to keep flows at 0MW and what is emergency Instruction volume? Were Faradyn trades for ElecLink cancelled or counterparties defaulted by not nominating flows down by 1000MW.

A: To ensure system security it is sometimes necessary to use emergency instructions rather than commercial trades to manage the flow direction of interconnectors.

As we explained on the day the OTF is not intended for NESO to discuss live operational activities. An update on the operational situation for August 20, 2025, has been provided in slide 4 of today's (03/09/2025) live forum.

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Advance Questions

Slido code #OTF

Q: (26/08/2025) Ahead of the merge of Balancing Reserve (BR) auction results into EAC (along with frequency response and QR), can we expect BR auction results to appear in here: https://www.neso.energy/data-portal/eac-auction-results/neso_response-reserve_sell_orders_2023-2024 as of 3rd September 2025?

A: The Balancing Reserve (BR) auctions results will be published in the Euduring Auction Capability (EAC) Results webpage (Enduring Auction Capability (EAC) auction results | National Energy System Operator) from the first co-optimised response, BR, Quick Reserve (QR) auction and onwards. Results before that date will remain in the same dataset and will no longer be updated from the first co-optimised response, BR, Quick Reserve (QR) auction and onwards. Results before that date will remain in the same dataset and will no longer be updated.

Outstanding Questions

Slido code #OTF

Q: (09/07/2025) On Lisa's question about the challenges to get a BEGA, I fully feel the pain. However, after CMP446: 'Increasing the lower threshold in England and Wales for Evaluation of Transmission Impact Assessment (TIA)' modification to increase the threshold to 5MW, do we still need a BEGA for small assets?

A: This question has been forwarded to the Connections Reform team: box.connectionsreform@neso.energy. We will share their response at a future OTF.

Q: (06/08/2025) Where is the maximum fix time for operational metering faults defined? Is this regulated via the code documents or just by NESO guidance?

Q: (06/08/2025) An answer to a previously asked question states "Operational Metering Signals derive from the Settlement Meter" Is this always true? Does this mean the polarity of some settlement metering is wrong matching the errors in operational metering?

A: Our Operational Metering expert is not available on today's call, but we will ensure these questions are answered in a future forum. You can also address your questions about Operational Metering to: OpsMetering@neso.energy

NESO National Energy System Operator

Outstanding Questions

Slido code #OTF

Q: (20/08/2025) Is any work being done to prevent mis-flagging of BM actions? Specifically negative wind bids being taken without SO flags while units at the same site are being taken with SO flags.

Outstanding Advance Questions

Slido code #OTF

Q: (28/08/2025) I understand that for Balancing Reserve (BR) if an asset breaches the availability rules and is commercially unavailable, it will receive the IVC penalty. Is this the same for QR, or if an asset in Quick Reserve (QR) is commercially unavailable, do they not receive any additional penalties other than loss of availability payment.

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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: box.nc.customer@neso.energy.
- **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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slido

Audience Q&A

ⓘ Start presenting to display the audience questions on this slide.

Feedback

Slido code #OTF

Please remember to use the feedback poll in Sli.do after the event.

We welcome feedback to understand what we are doing well and how we can improve the event for the future.

If you have any questions after the event, please contact the following email address: box.nc.customer@neso.energy

Appendix

Purpose and scope of the NESO Operational Transparency Forum

Slido code #OTF

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

NESO National Energy System Operator

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@neso.energy

- **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.

NESO National Energy System Operator

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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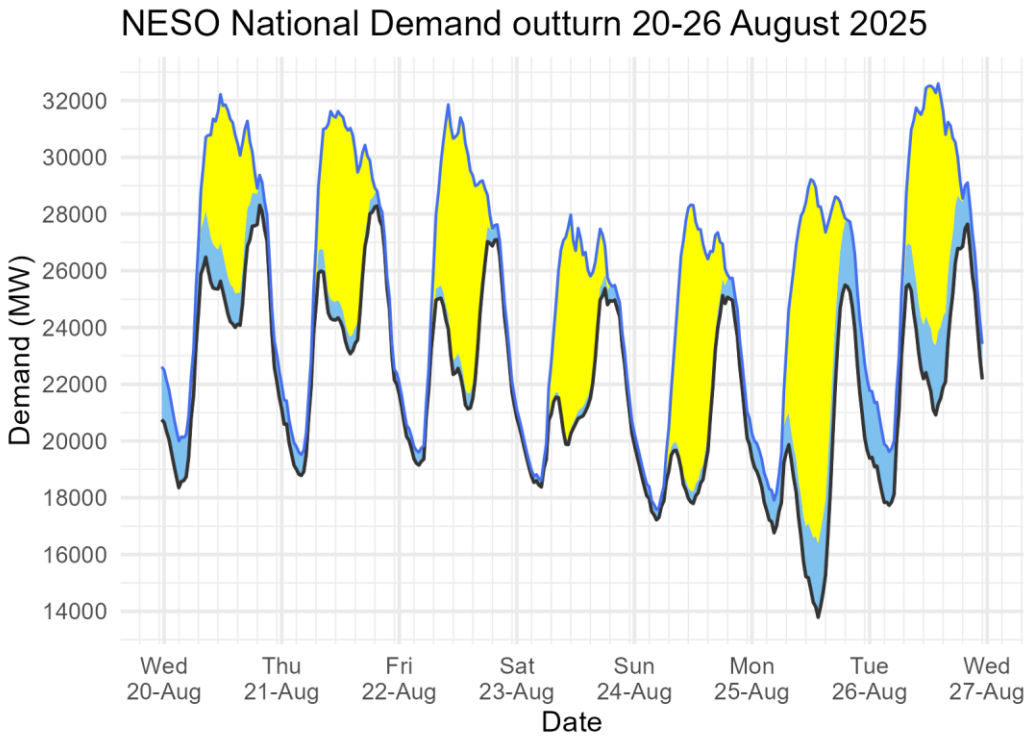
Demand | Last week demand out-turn

Slido code #OTF



Distributed generation

Peak values by day

Date	OUTTURN	
	Daily Max Dist. PV (GW)	Daily Max Dist. Wind (GW)
20 Aug 2025	5.9	1.9
21 Aug 2025	7.4	0.9
22 Aug 2025	8.7	0.6
23 Aug 2025	7.5	0.5
24 Aug 2025	10.1	1.0
25 Aug 2025	12.6	2.7
26 Aug 2025	9.0	2.6

National Demand

Minimum Demands

		FORECAST (Wed 20 Aug)			OUTTURN		
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
20 Aug 2025	Daytime Min	20.7	1.4	10.3	24.0	1.2	5.6
21 Aug 2025	Overnight Min	19.1	1.0	0.0	18.8	0.7	0.0
21 Aug 2025	Daytime Min	21.6	0.7	9.5	23.1	0.6	7.4
22 Aug 2025	Overnight Min	19.1	0.5	0.0	19.1	0.5	0.0
22 Aug 2025	Daytime Min	20.8	0.5	7.6	21.1	0.5	8.4
23 Aug 2025	Overnight Min	18.5	0.3	0.0	18.4	0.2	0.0
23 Aug 2025	Daytime Min	17.3	0.3	8.3	19.9	0.2	7.5
24 Aug 2025	Overnight Min	17.6	0.5	0.0	17.2	0.4	0.0
24 Aug 2025	Daytime Min	15.5	0.7	9.7	17.8	0.4	10.1
25 Aug 2025	Overnight Min	16.8	1.6	0.0	16.8	1.1	0.0
25 Aug 2025	Daytime Min	16.5	2.0	8.7	13.8	2.6	11.9
26 Aug 2025	Overnight Min	17.5	2.0	0.0	17.7	1.9	0.0
26 Aug 2025	Daytime Min	22.3	1.9	7.8	20.9	2.5	8.9

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

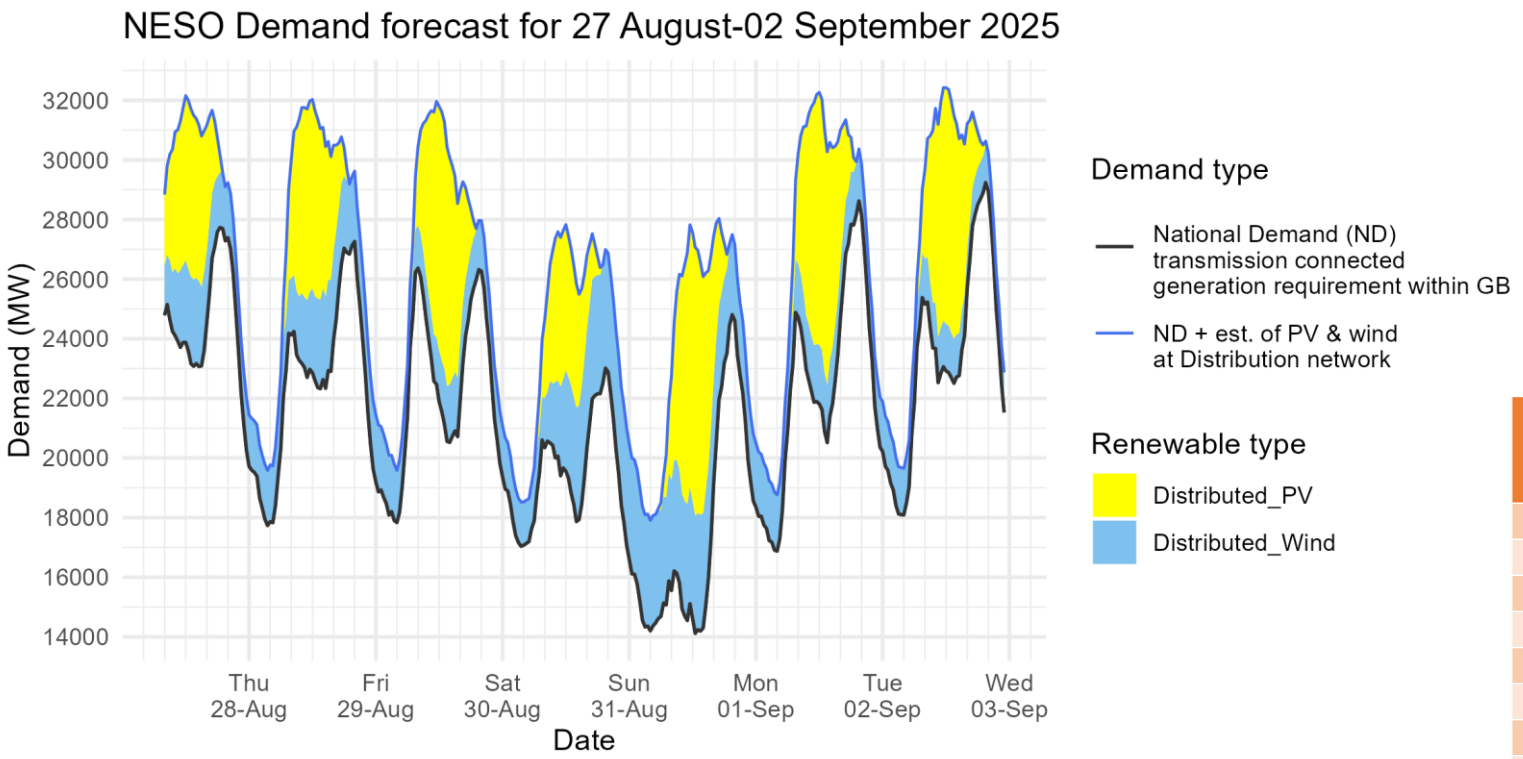
Blue line serves as a proxy for total GB customer demand. It includes demand supplied by the distributed wind and solar sources, but it does not include demand supplied by non-weather driven sources at the distributed network for which NESO has no real time data.

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

National Energy System Operator

Demand | Week Ahead

Slido code #OTF



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

National Demand

Minimum Demands

		FORECAST (Wed 27 Aug)	
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)
27 Aug 2025	Evening Peak	27.7	1.9
28 Aug 2025	Overnight Min	17.7	1.8
28 Aug 2025	Evening Peak	27.0	2.4
29 Aug 2025	Overnight Min	17.8	1.8
29 Aug 2025	Evening Peak	25.7	1.7
30 Aug 2025	Overnight Min	17.0	1.5
30 Aug 2025	Evening Peak	22.2	4.0
31 Aug 2025	Overnight Min	14.2	3.7
31 Aug 2025	Evening Peak	23.5	2.8
01 Sep 2025	Overnight Min	16.9	1.9
01 Sep 2025	Evening Peak	27.8	1.8
02 Sep 2025	Overnight Min	18.1	1.6
02 Sep 2025	Evening Peak	28.7	1.2

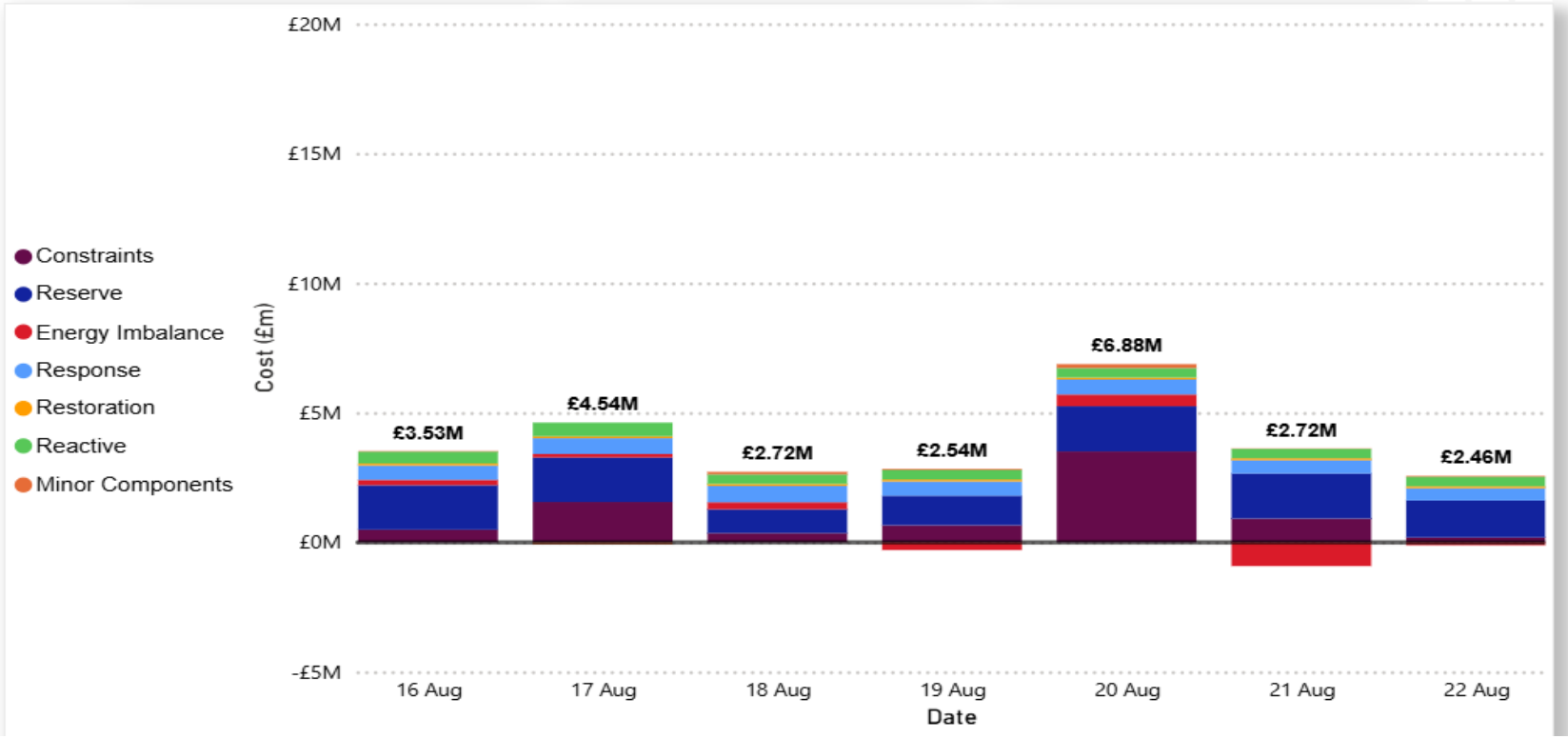
NESO Actions | Category Cost Breakdown

Slido code #OTF

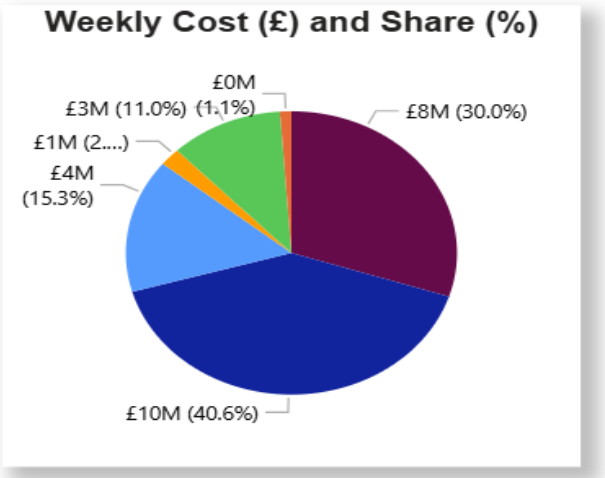
Date

16/08/2025 22/08/2025

Weekly Total Costs (£)	Last Week Total Costs (£)	Past 30-Day Average Costs (£)
25.4M	45.3M	7.1M



Date	Total Costs
16 August 2025	£3,525,442
17 August 2025	£4,539,302
18 August 2025	£2,720,199
19 August 2025	£2,542,599
20 August 2025	£6,875,933
21 August 2025	£2,715,643
22 August 2025	£2,457,402
Total	**£25,376,521**

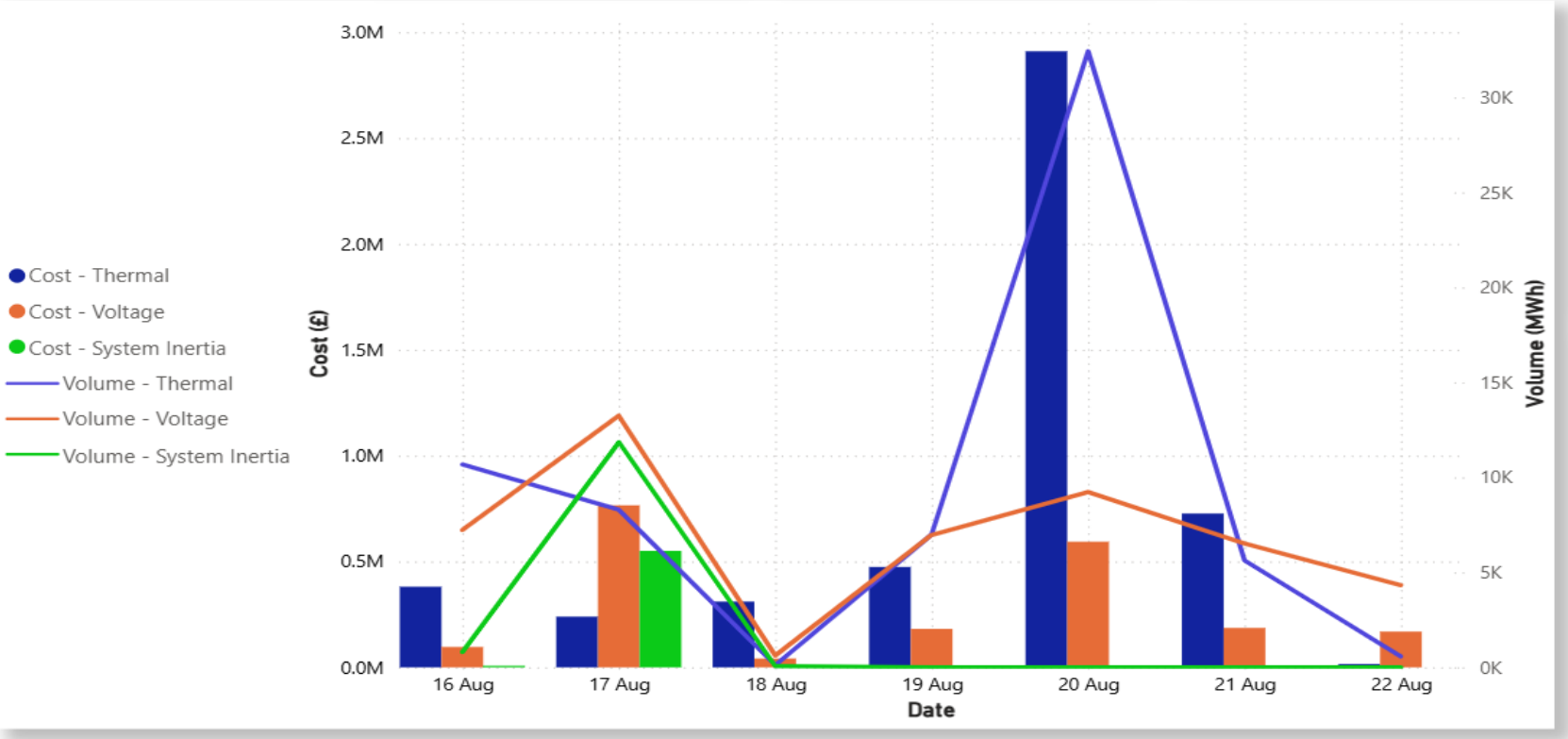


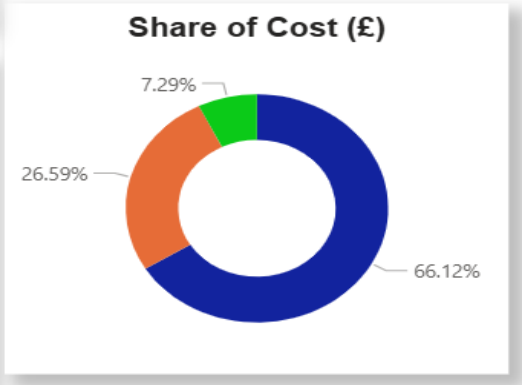
NESO Actions | Constraint Cost Breakdown

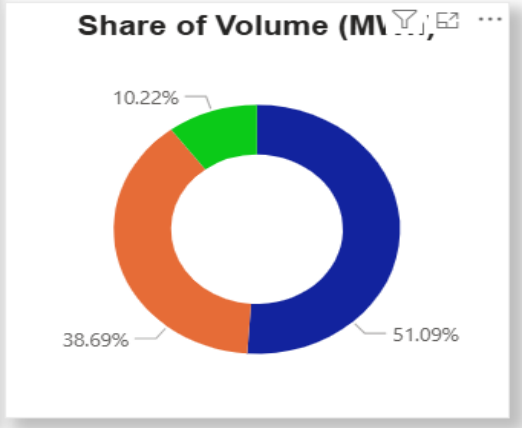
Slido code #OTF

Date
16/08/2025 22/08/2025

Thermal Constraints		Voltage Constraints		System Inertia	
Costs (£)	Vol (MWh)	Costs (£)	Vol (MWh)	Costs (£)	Vol (MWh)
5.06M	63.56K	2.03M	48.14K	557.65K	12.71K







Note: Thermal Constraint volume is reported as an absolute figure.

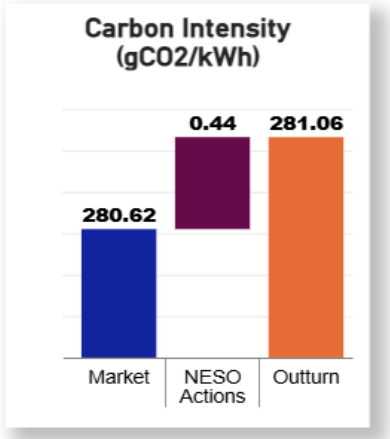
NESO Actions | Peak Demand – SP spend ~11k
Monday 18th August

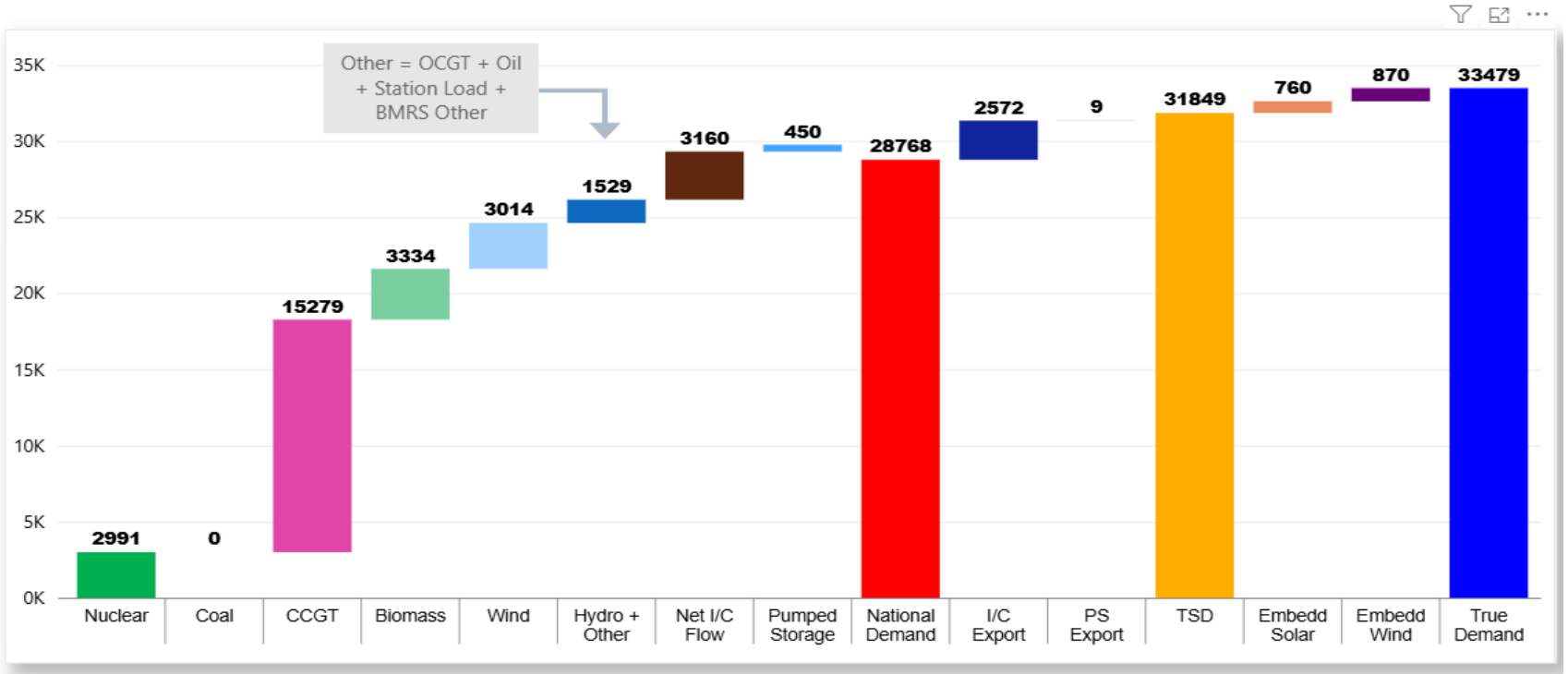
Slido code #OTF

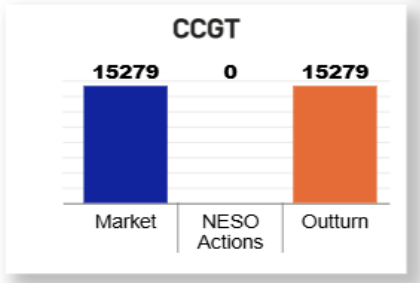
Date: 18 August 2025

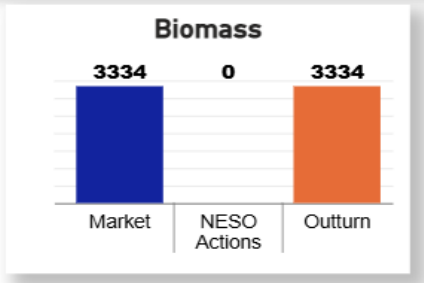
SP: 38

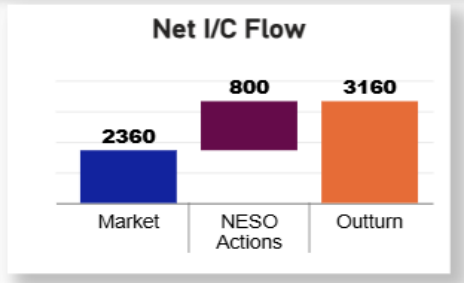
Half-hour preceding: 19:00

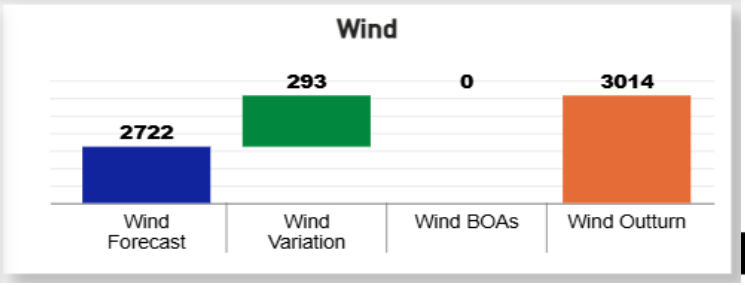












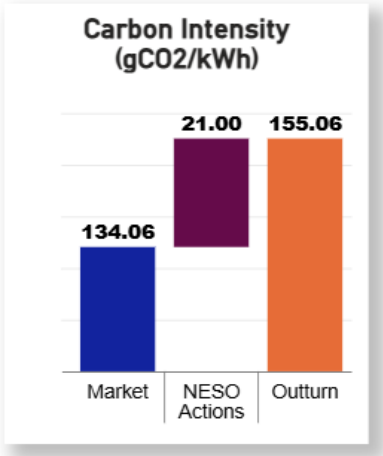
NESO National Energy System Operator

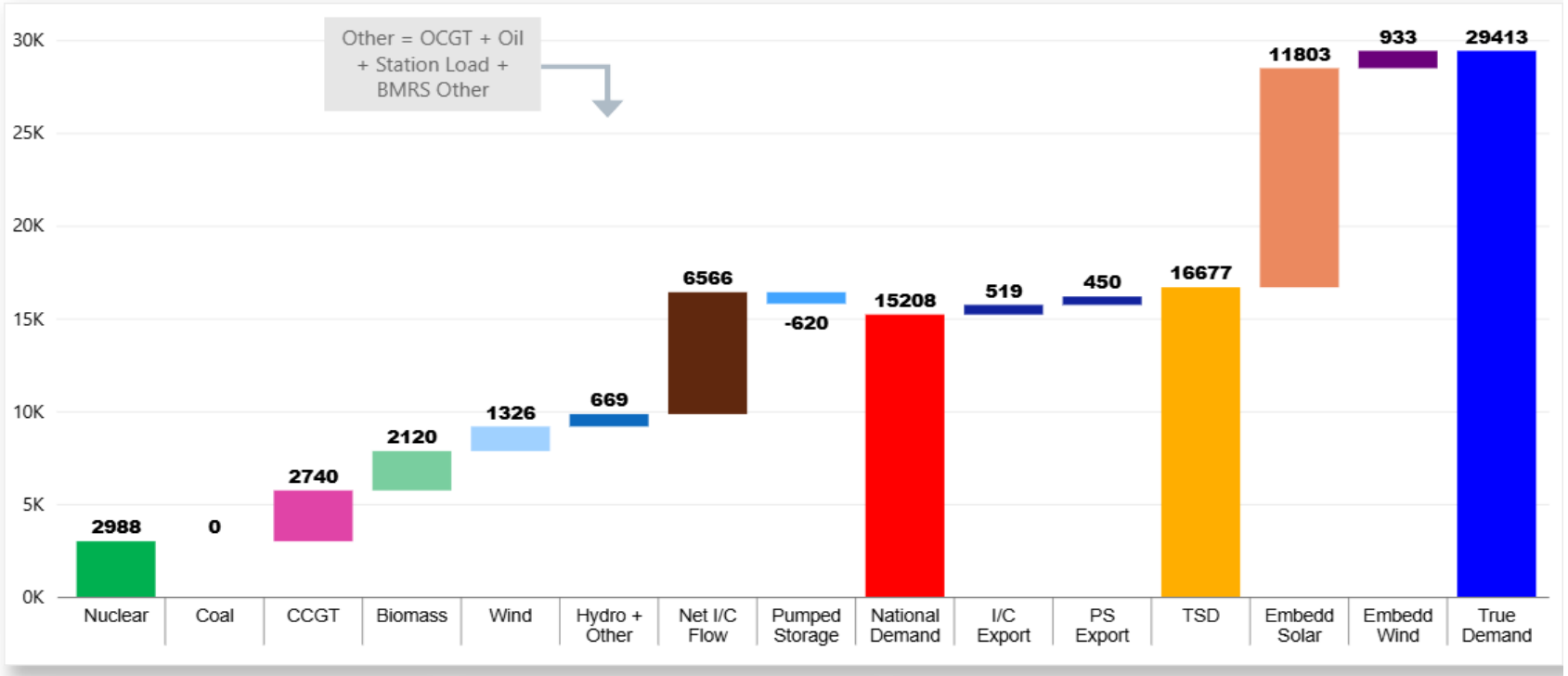
NESO Actions | Minimum Demand – SP spend ~£93k
Sunday 17th August

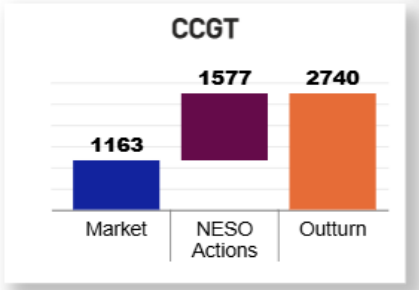
Slido code #OTF

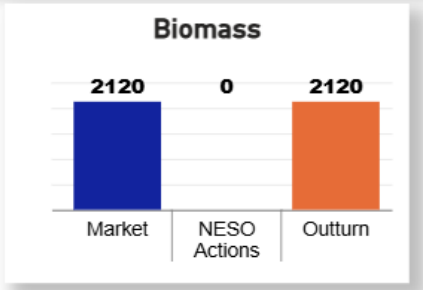
Date: 17 August 2025 | SP: 28

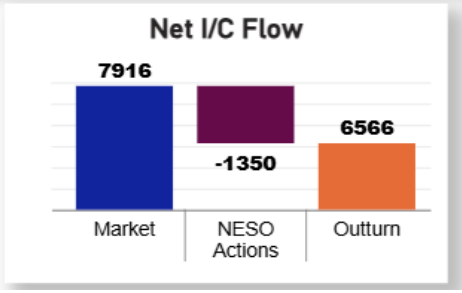
Half-hour preceding
14:00

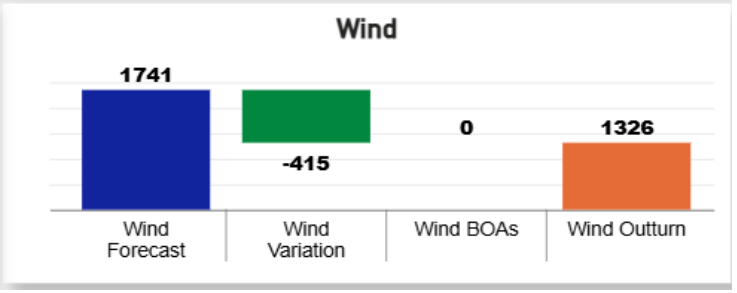












NESO National Energy System Operator

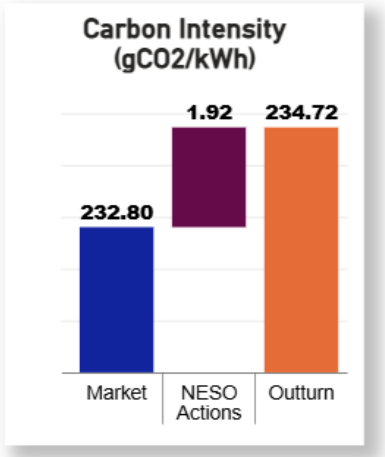
NESO Actions | Highest SP spend ~£198k Wednesday 20th August

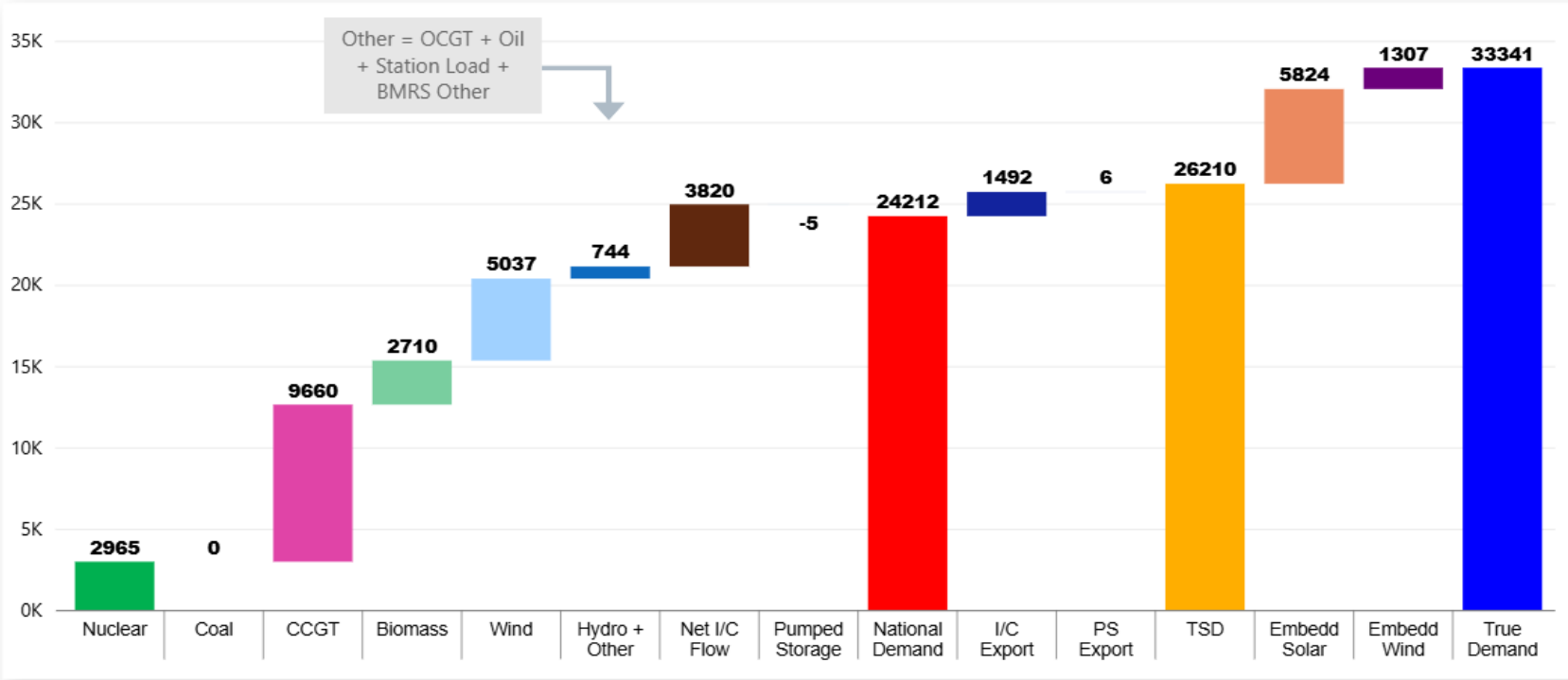
Slido code #OTF

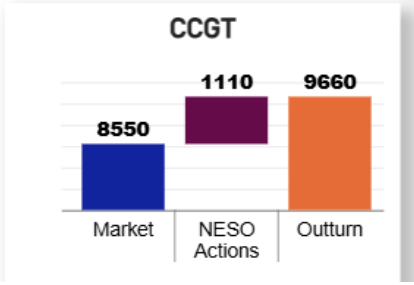
Date: 20 August 2025

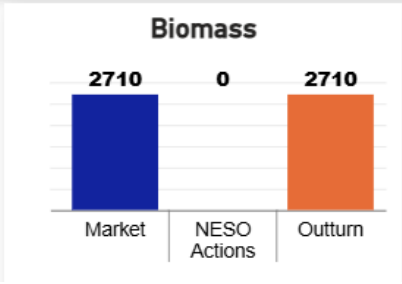
SP: 29

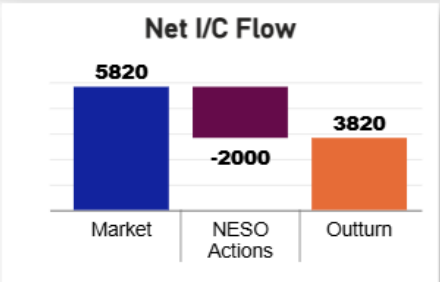
Half-hour preceding: 14:30

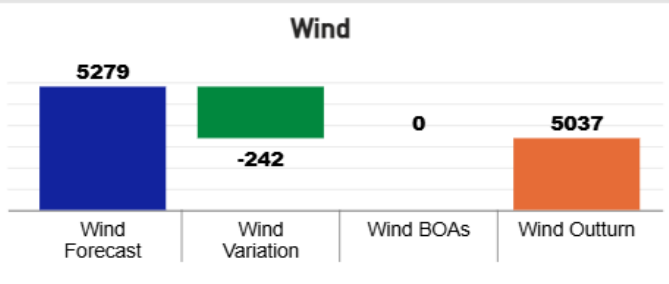












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