Public

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NESO Operational Transparency Forum

20 August 2025

NESO
National Energy System Operator

Introduction | Sli.do code #OTF

Slido 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

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Future deep dive / focus topics

Slido code #OTF

Today's Deep Dive/Focus Topics

Balancing Costs: July costs

Future

Balancing Costs: August costs – 17 September

Please note: during the summer holiday season this live forum will take place alternate weeks. There will be **no Operational Transparency Forum on 30 July, 13 August and 27 August**. Normal weekly service resumes from **3 September**.

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

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Lift DM requirements

What have we done?

- NESO has increased the Dynamic Moderation (DM) requirements, as given in the table below, starting from EAC auction on 12th August 2025.

	DMH total req (MW)	DML total req (MW)
EFA 1	440	420
EFA 2	410	400
EFA 3	410	400
EFA 4	410	420
EFA 5	410	400
EFA 6	440	420

Why is this necessary?

- NESO noticed there are significant MW movement in recent weeks.
- Movements like this increase the risk of securing system in post-fault conditions, as Dynamic Containment (DC) might be inadequate to secure large losses in such cases.
- Therefore, it has been decided to increase DM requirements to improve pre-fault performance and to mitigate potential risks.

What is next?

- This is the Phase 1 of the implementation plan to lift DM requirements. The commencement of Phase 2 will depend on market maturity. NESO will notify the industry of the Phase 2 start date through the Operational Transparency Forum (OTF).
- Please reach out if you have any queries via box.FRM@neso.energy

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QR phase 2 & Dynamic Response Update

Slido code #OTF

Quick Reserve Phase 2

We can now confirm the first QR phase 2 auction, allowing non-BM providers to participate, will take place at 14:00 on **2 September 2025** for Service Day **3 September 2025** (commencing at 23:00 on 2 September). Further details to follow shortly.

Onboarding via SMP and access for end-to end testing of the new Performance Metering API (required for BM and non-BM participants for QR phase 2) is available now and from **4 August** all non-BM providers will be able to access OBP to commence system testing.

Please refer to our recent QR Onboarding webinar for full details of the actions required on new and existing QR providers ahead of QR phase 2 go-live.

Please reach out to your Account Managers or commercial.operation@neso.energy for any assistance.

Ad-hoc C9 & ABSVD for NBM Dynamic Response

In line with 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 will also go live on the first Service Day of QR2. As such ABSVD for non-Balancing Mechanism Units will be applied from **23:00 on 2 September**.

Network Access Planning (NAP) Virtual OC2 forum

Slido code #OTF

Network Access planning will be hosting our bi-annual OC2 forum on **2 September 2025.**

This event is designed for outage planning customers and stakeholders to share ideas on how to deal with the challenges facing our industry and how we are exploring the opportunities to come, as well as learning more about our departmental plans and some internal changes we have made recently.

You will also have the opportunity to ask questions.

Date & Time details:

Date:	2 September 2025
Time:	10:00 – 13:00
Location:	Virtual

Attendance & who this webinar is suited for:

This forum is specifically tailored for professionals closely involved in day-to-day outage planning activities with the Network Access Planning team. You can find details related to the content discussed at our previous OC2 forum here.

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

For any enquiries please contact us by email - box.oc2forum@neso.energy

Future Event Summary

Slido code #OTF

Event	Date & Time	Link
DFS Evolution Workshop	20 Aug (13:00-15:00)	Register here
Network Access Planning (NAP) Virtual OC2 forum	2 Sep (10:00-13:00)	Register here
DFS Evolution Workshop	4 Sept (13:30-15:30)	Register here
Balancing Programme Sep 2025 Webinar	16 Sep (11:00-12:30)	Register here
Revenue and Charging Forum (In person)	16 Sep (Tuesday) 9:15 to 15:00 (approximately)	Register Here
Revenue and Charging Forum (Webinar)	25 Sep (Thursday) 9:30 to 15:00 (approximately)	Register Here

Check out the NESO Events Calendar for more...

NESO National Energy System Operator

Public

Monthly Balancing Cost Update

July 2025

Cost and Operational Insights Team

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National Energy System Operator

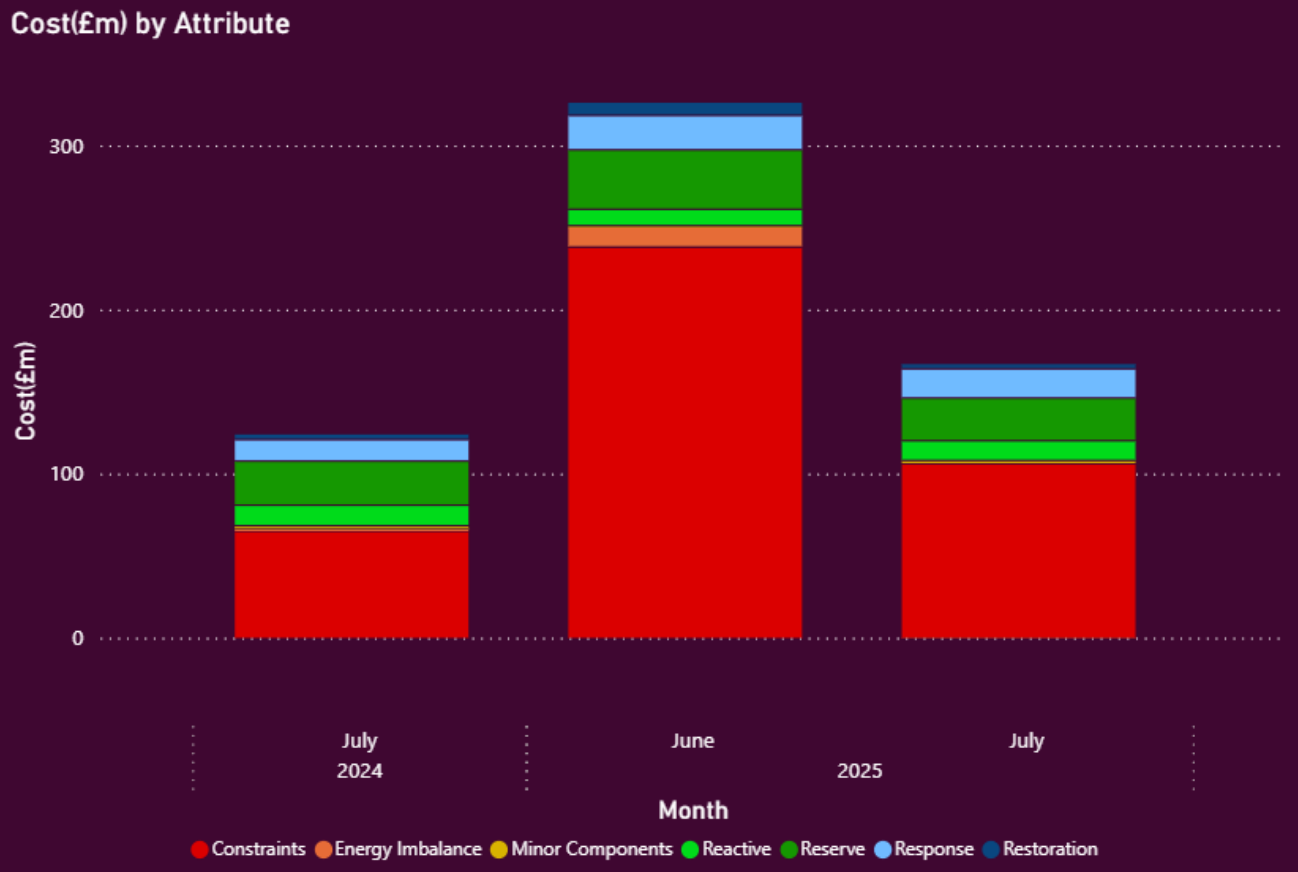
Monthly Cost Summary

Balancing costs in July 2025 were £167m.

This was a decrease of £160m on last month but up £42m on last year.

Wind outturn in July saw a significant reduction compared to the previous month to its lowest level for the year so far at 3.3 TWh, down from 5.4 TWh in June. This has supported a significant reduction in constraint costs, with wind curtailment volumes down to 428GWh from 1,159GWh last month.

Voltage and stability constraints also saw a significant reduction in costs compared to recent months, in part linked to higher transmission system demand outturn than previous months this summer, particularly during the overnight period.



Voltage: £10.8m ⬇ **Thermal: £92.8m ⬇** **Inertia: £2.2m ⬇**

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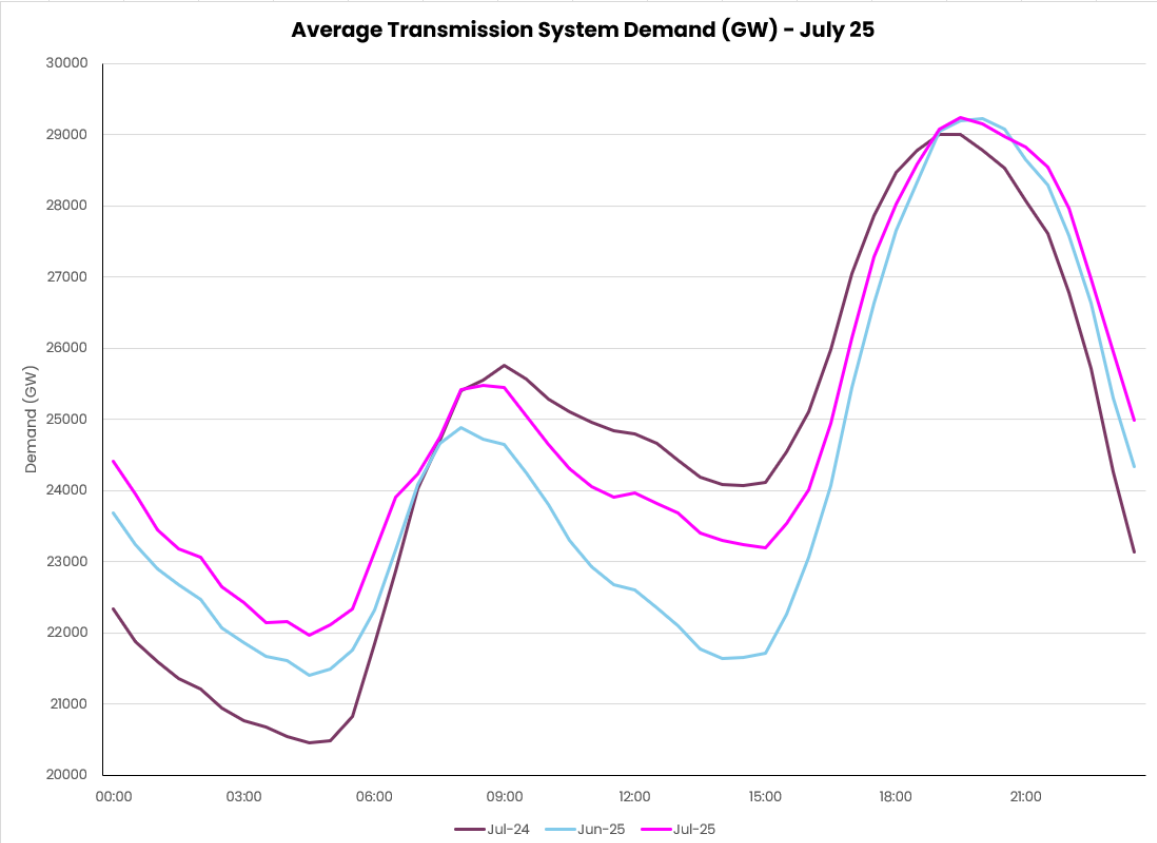
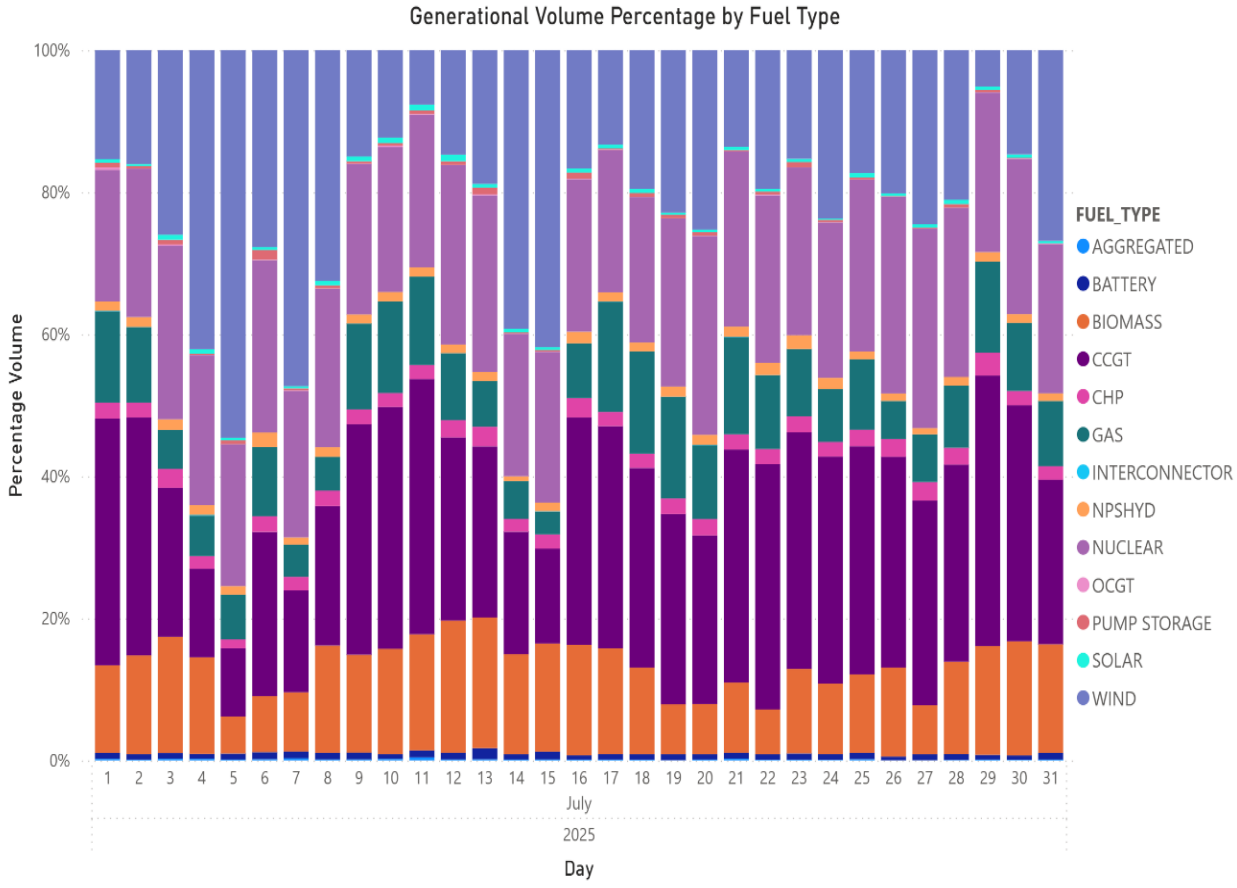
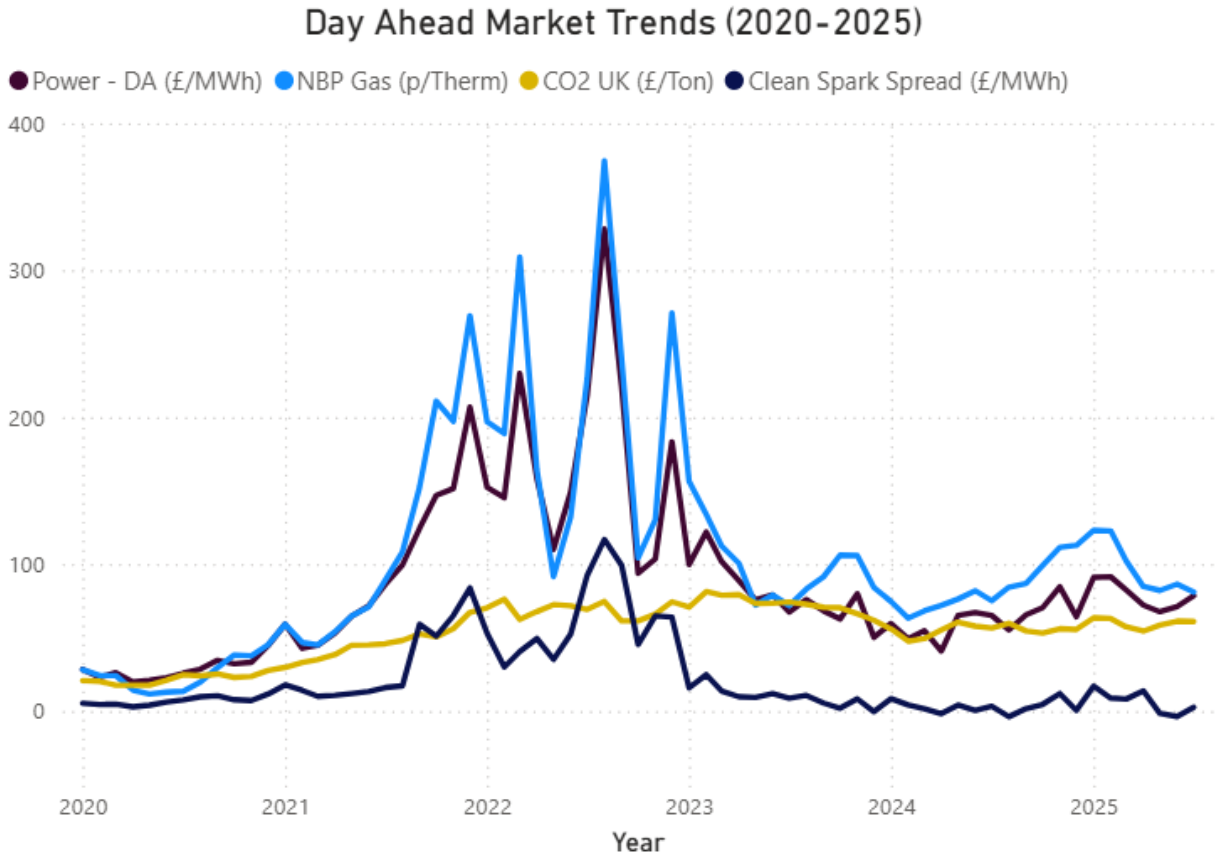
System Conditions

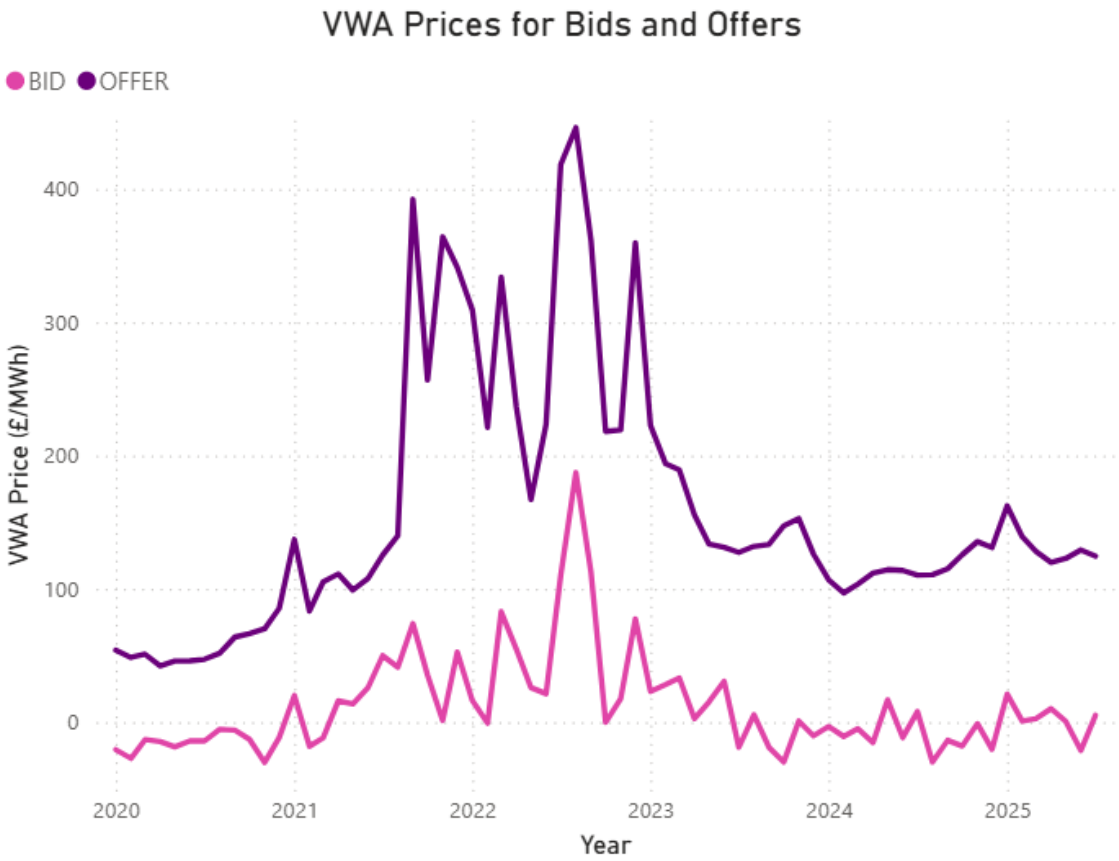




Market Conditions

	DA Power Price	VWA offer price	VWA bid price
M-o-m change	-£7/MWh	-£5/MWh	+£26/MWh
Y-o-y	-£9/MWh	+£14/MWh	-£3/MWh





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Daily Costs and Volumes

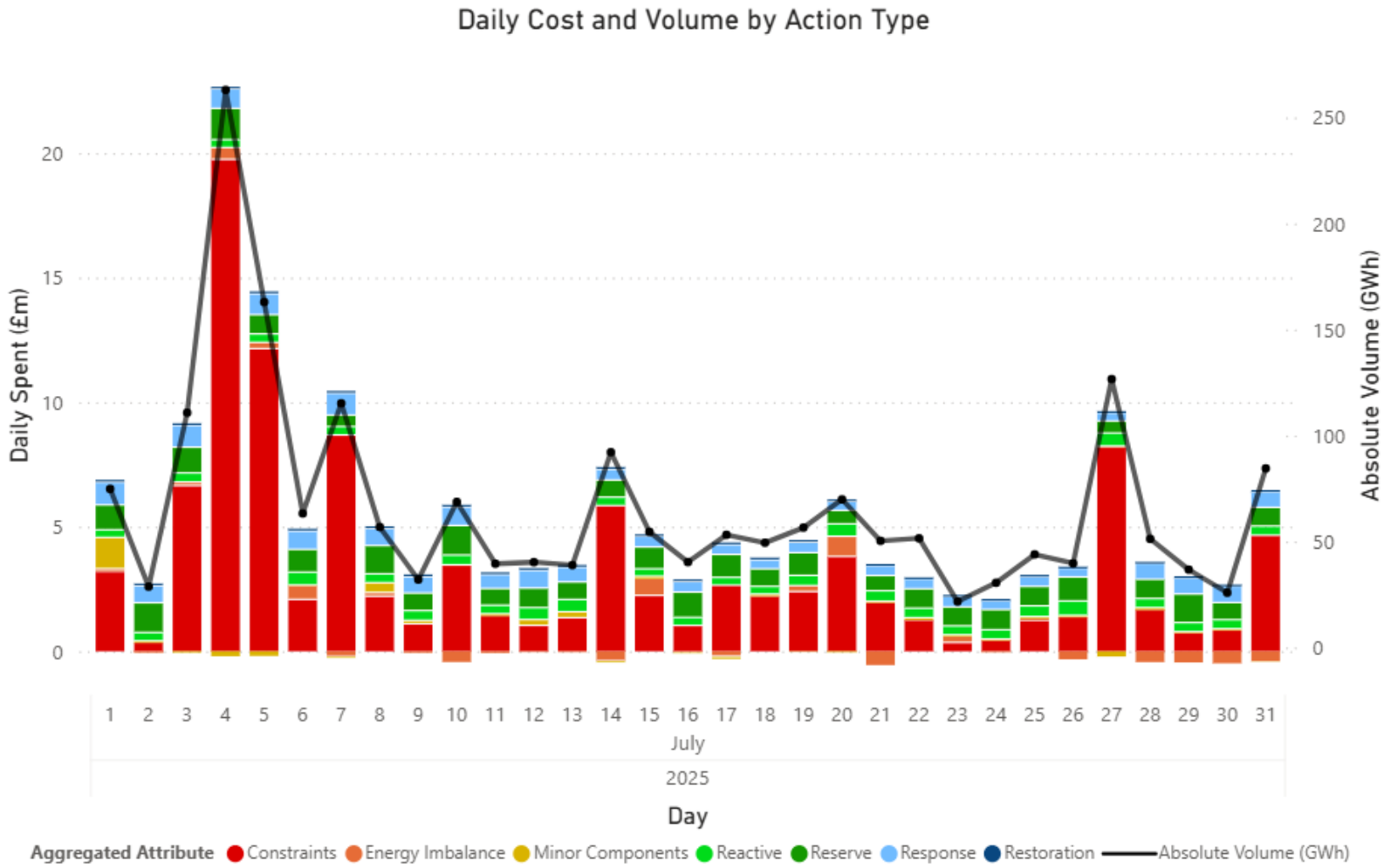
Daily average cost:
£5.5m

The highest cost day was 4th July at £22.5m. The high costs corresponded with the high absolute volume of actions taken. High costs on this day were largely due to high spend on constraints, with the highest spend allocated to Scottish constraints. Units were also run on the day for voltage support and to support higher than expected demand.

Daily average cost was £5.5m, a £5.3m decrease on the previous month.

Key trends from previous month:

	Constraint	Non-constraint
Cost	↓ 39%	↓ 3%
Volume	↓ 34%	↑ 3%



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Wind Outturn

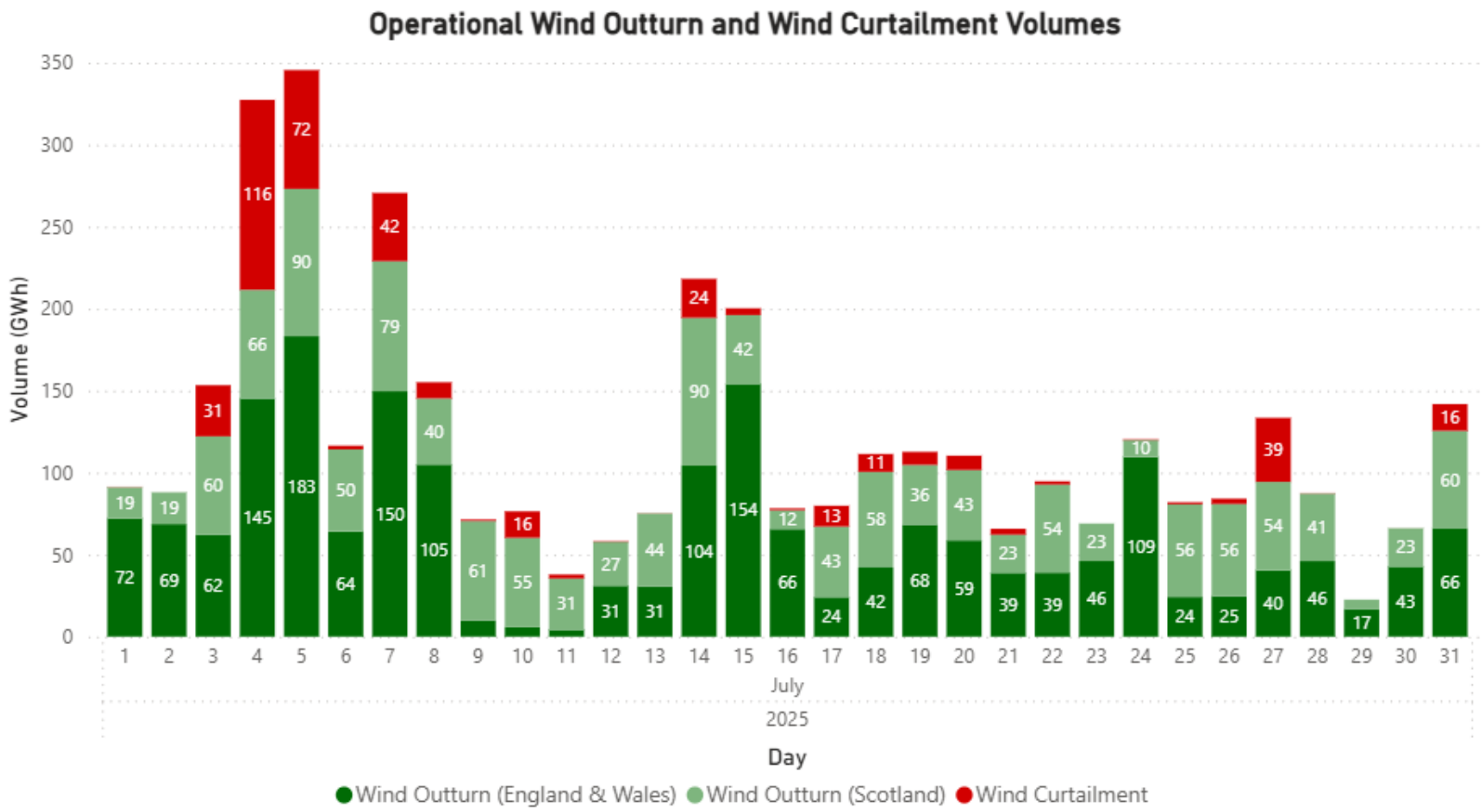
Overall wind outturn fell in July to 3.3TWh from 5.4TWh in June. July consequently saw a large reduction in wind curtailment, at 428GWh compared to 1,159GWh in June. The majority of this curtailment was seen early in the month, coinciding with more unsettled weather.

The day with the highest volume of wind curtailment occurred on 4 July with 116GWh which was also the highest cost day of the month.

	Total	England & Wales	Scotland
Wind Outturn (TWh)	**3.3**	**1.9**	**1.4**

Monthly wind curtailment %:

9%



Demand | Last week demand out-turn

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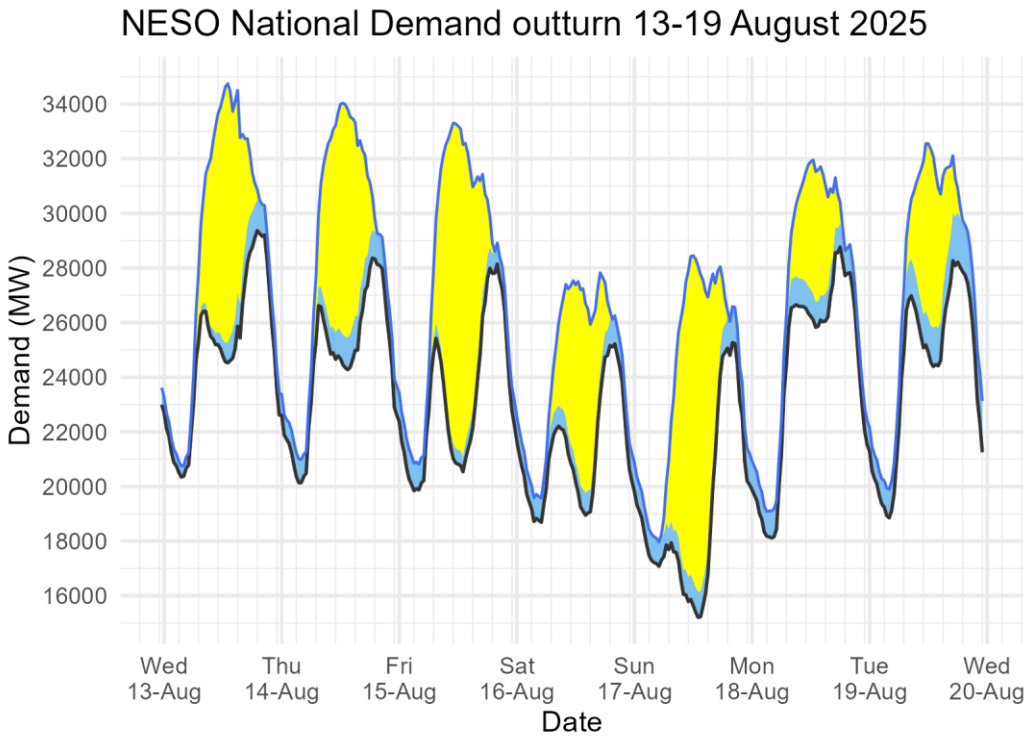


Distributed generation
Peak values by day

Date	OUTTURN	
	Daily Max Dist. PV (GW)	Daily Max Dist. Wind (GW)
13 Aug 2025	9.5	1.4
14 Aug 2025	8.5	1.3
15 Aug 2025	11.9	1.1
16 Aug 2025	7.3	1.0
17 Aug 2025	12.0	1.3
18 Aug 2025	4.9	1.1
19 Aug 2025	6.5	1.9

National Demand
Minimum Demands

Date	Forecasting Point	FORECAST (Wed 13 Aug)			OUTTURN		
		National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
13 Aug 2025	Daytime Min	21.7	0.5	11.2	24.5	0.8	9.5
14 Aug 2025	Overnight Min	19.7	0.8	0.0	20.1	0.9	0.0
14 Aug 2025	Daytime Min	23.5	1.1	8.9	24.3	1.2	8.3
15 Aug 2025	Overnight Min	19.9	0.8	0.0	19.8	1.0	0.0
15 Aug 2025	Daytime Min	21.0	0.5	11.0	20.5	0.6	11.4
16 Aug 2025	Overnight Min	18.7	1.0	0.0	18.7	0.9	0.0
16 Aug 2025	Daytime Min	17.1	1.1	9.5	18.9	0.8	6.9
17 Aug 2025	Overnight Min	17.6	1.0	0.0	17.1	0.9	0.0
17 Aug 2025	Daytime Min	16.1	0.8	11.6	15.2	0.9	11.9
18 Aug 2025	Overnight Min	18.7	0.9	0.0	18.1	1.0	0.0
18 Aug 2025	Daytime Min	21.6	0.7	10.6	24.4	1.0	0.8
19 Aug 2025	Overnight Min	19.9	0.8	0.0	18.9	1.0	0.0
19 Aug 2025	Daytime Min	24.4	0.6	7.5	24.4	1.4	6.3

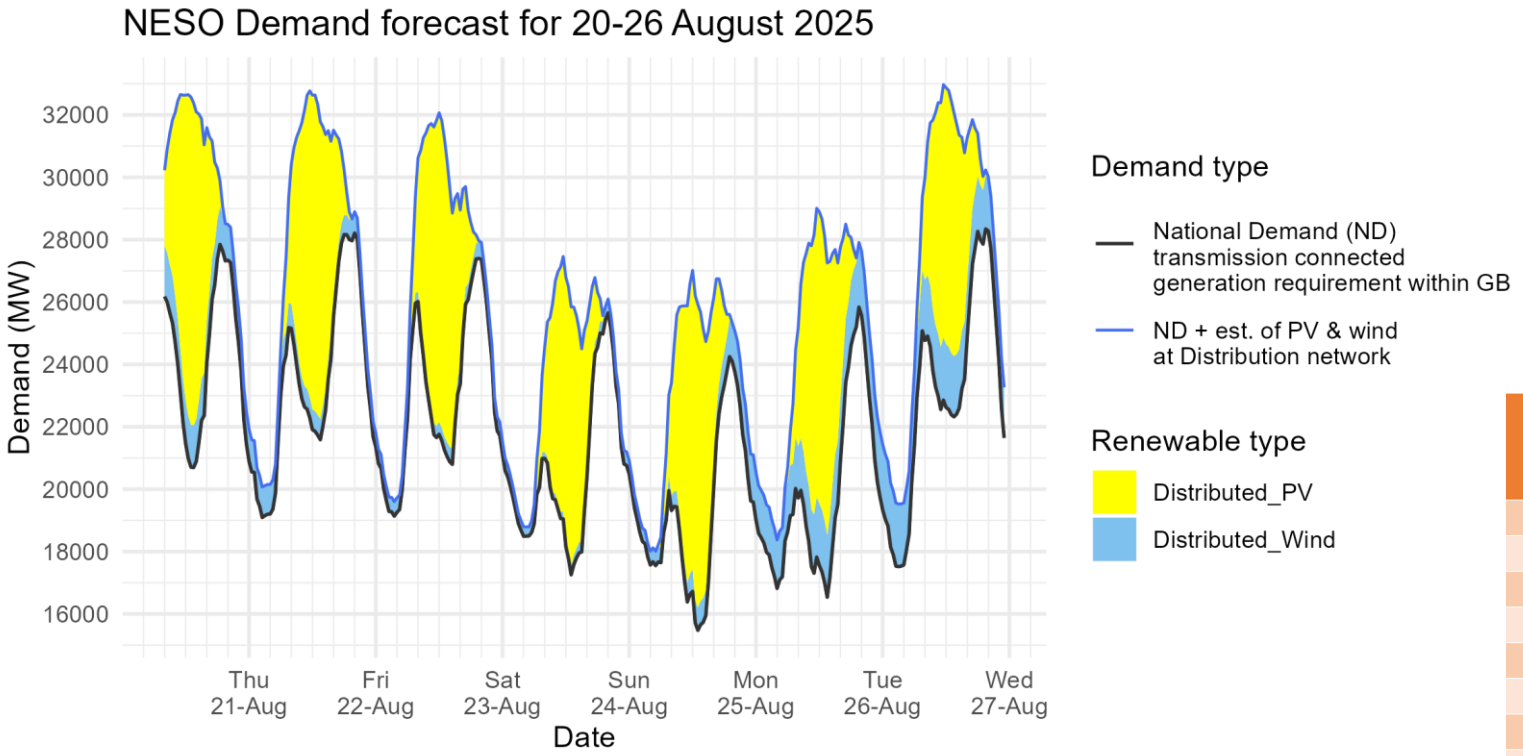
The black line (National Demand ND) is the measure of portion of total GB customer demand that is supplied by the transmission network.
ND values do not include export on interconnectors or pumping or station load

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

Slido code #OTF



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National Demand

Minimum Demands

		FORECAST (Wed 20 Aug)		
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
20 Aug 2025	Daytime Min	20.7	1.4	10.3
21 Aug 2025	Overnight Min	19.1	1.0	0.0
21 Aug 2025	Daytime Min	21.6	0.7	9.5
22 Aug 2025	Overnight Min	19.1	0.5	0.0
22 Aug 2025	Daytime Min	20.8	0.5	7.6
23 Aug 2025	Overnight Min	18.5	0.3	0.0
23 Aug 2025	Daytime Min	17.3	0.3	8.3
24 Aug 2025	Overnight Min	17.6	0.5	0.0
24 Aug 2025	Daytime Min	15.5	0.7	9.7
25 Aug 2025	Overnight Min	16.8	1.6	0.0
25 Aug 2025	Daytime Min	16.5	2.0	8.7
26 Aug 2025	Overnight Min	17.5	2.0	0.0
26 Aug 2025	Daytime Min	22.3	1.9	7.8

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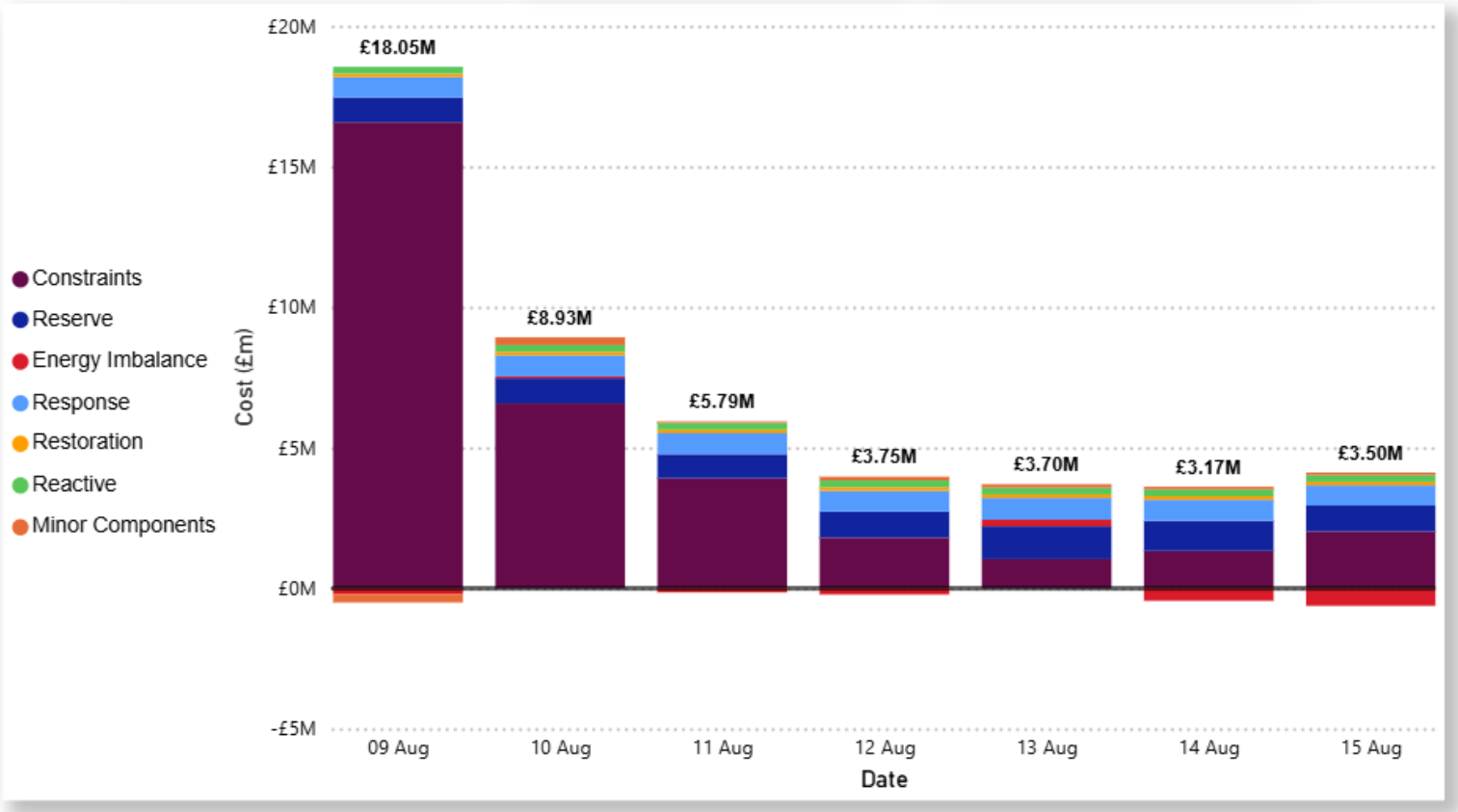
NESO Actions | Category Cost Breakdown

Slido code #OTF

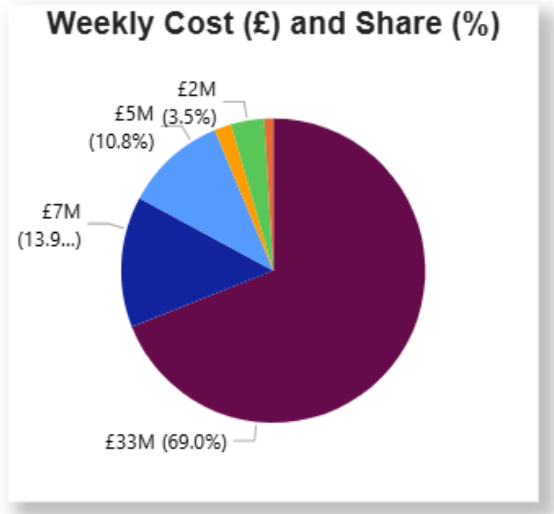
Date

09/08/2025 15/08/2025

Weekly Total Costs (£)	Last Week Total Costs (£)	Past 30-Day Average Costs (£)
46.9M	103.6M	7.2M



Date	Total Costs
09 August 2025	£18,048,007
10 August 2025	£8,929,871
11 August 2025	£5,788,325
12 August 2025	£3,748,941
13 August 2025	£3,702,400
14 August 2025	£3,174,419
15 August 2025	£3,496,478
Total	**£46,888,441**



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NESO Actions | Constraint Cost Breakdown

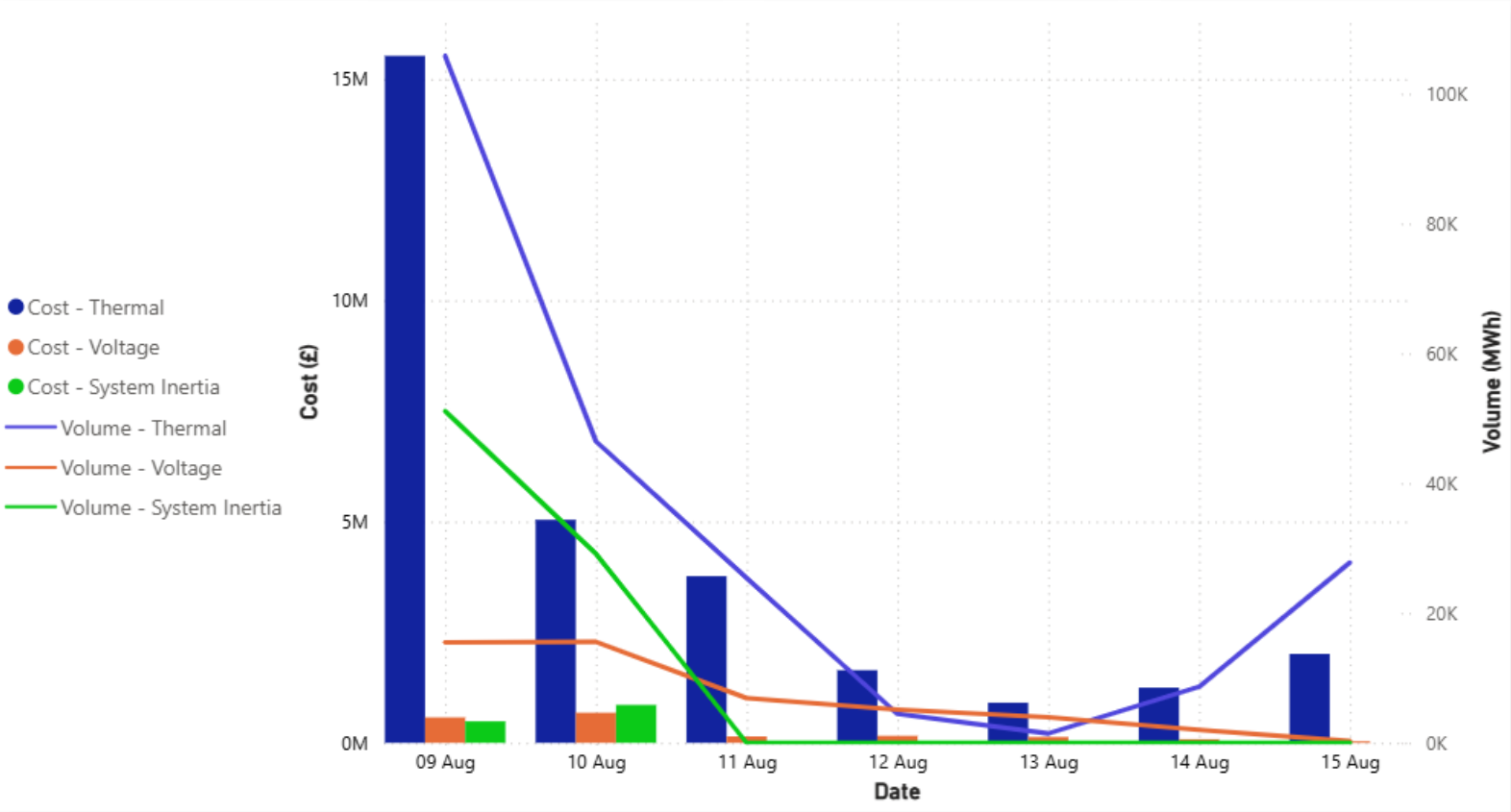
Slido code #OTF

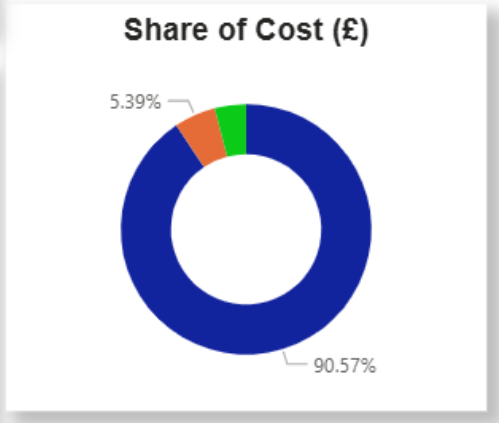
Date
09/08/2025 15/08/2025

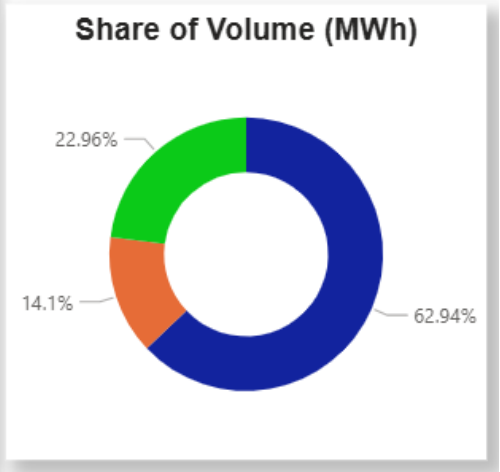
Thermal Constraints	
Costs (£)	Vol (MWh)
30.14M	219.98K

Voltage Constraints	
Costs (£)	Vol (MWh)
1.79M	49.30K

System Inertia	
Costs (£)	Vol (MWh)
1.34M	80.25K







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

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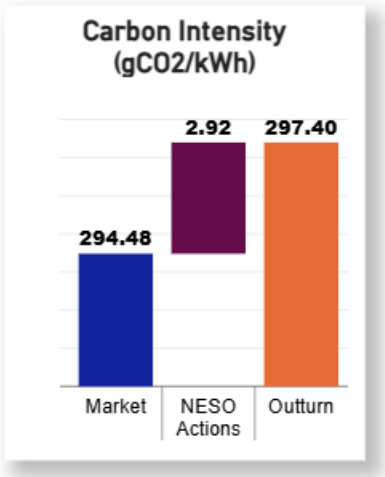
NESO Actions | Peak Demand – SP spend ~155k
Tuesday 12th August

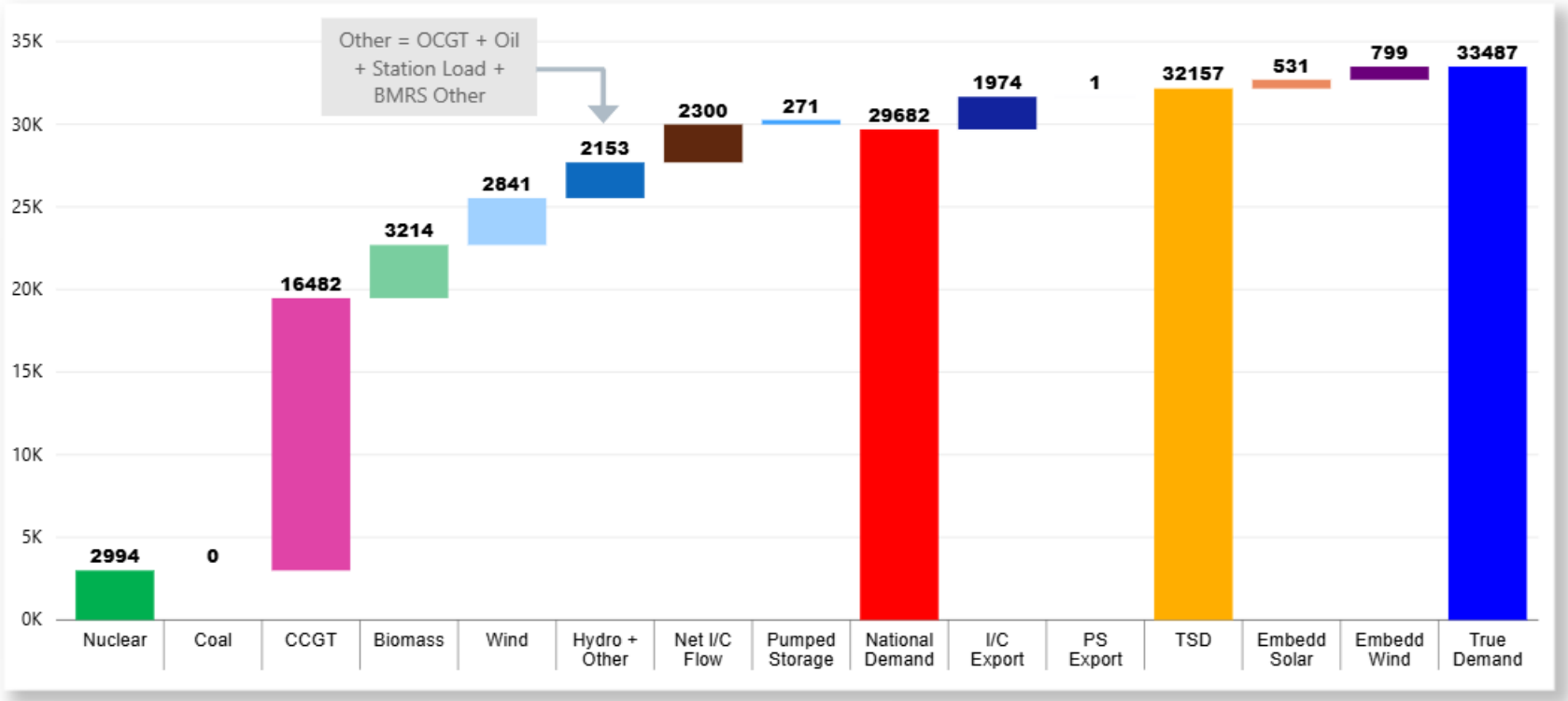
Slido code #OTF

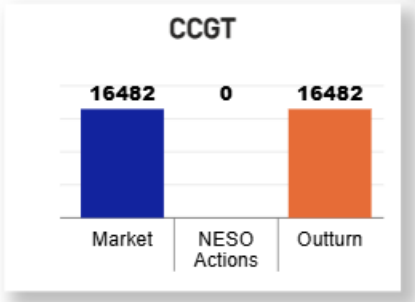
Date: 12 August 2025

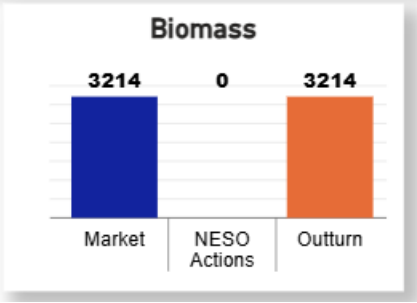
SP: 40

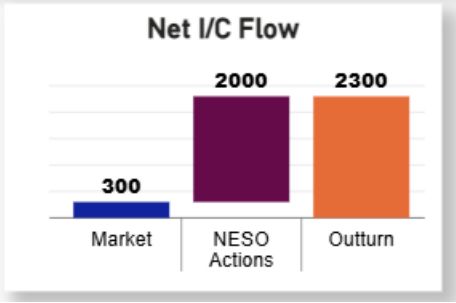
Half-hour preceding: 20:00

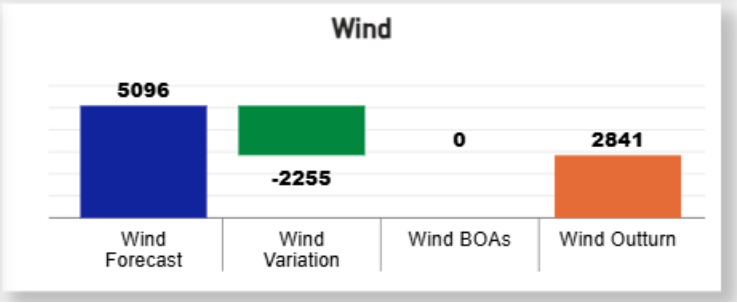












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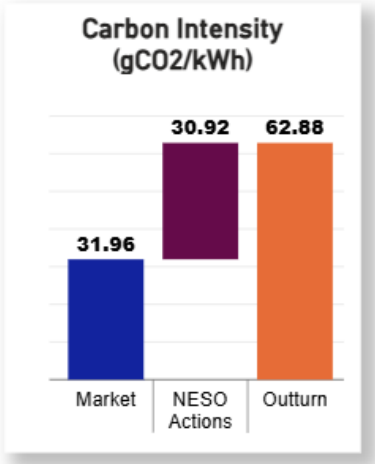
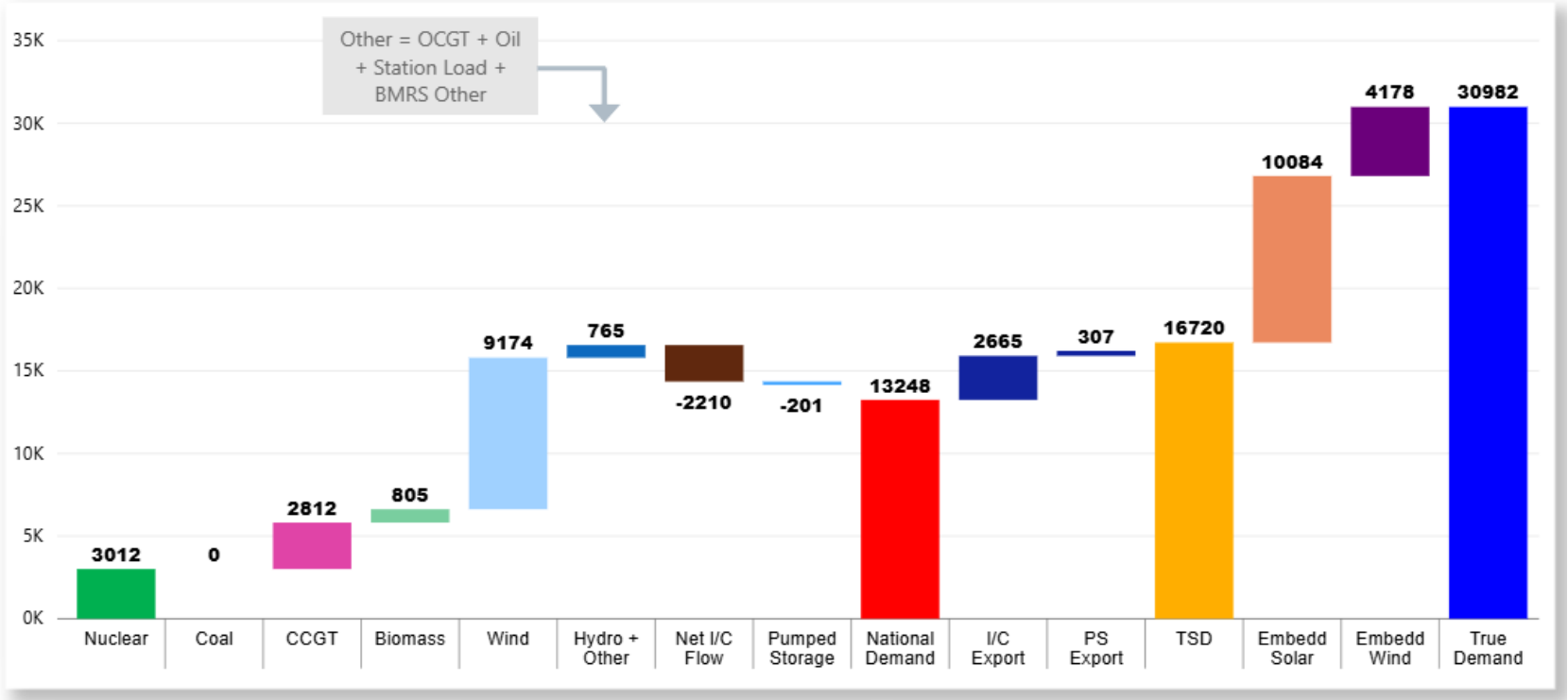
NESO Actions | Minimum Demand – SP spend ~£237k
Saturday 9th August

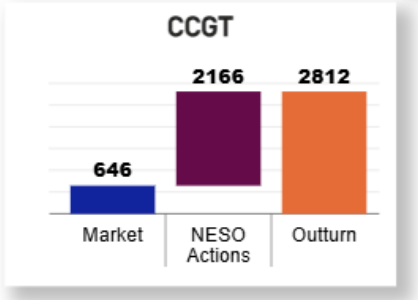
Slido code #OTF

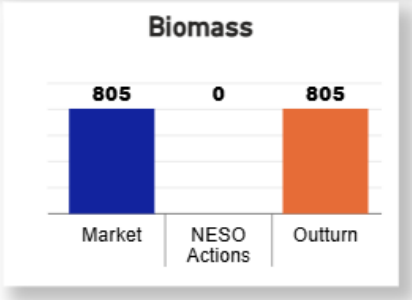
Date: 09 August 2025 | SP: 31

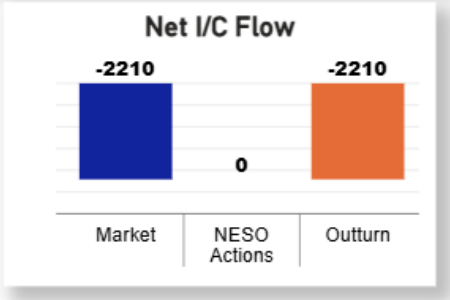
Half-hour preceding
15:30

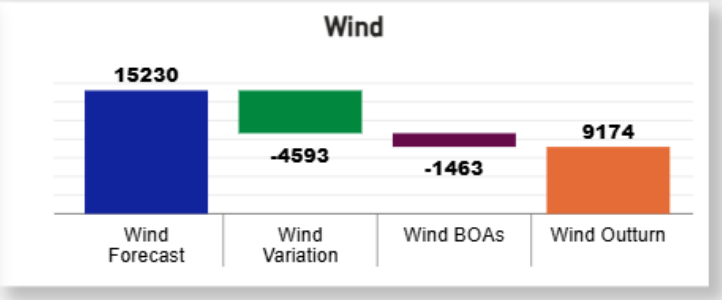












NESO National Energy System Operator

Public

NESO Actions | Highest SP spend ~£462k
Saturday 9th August

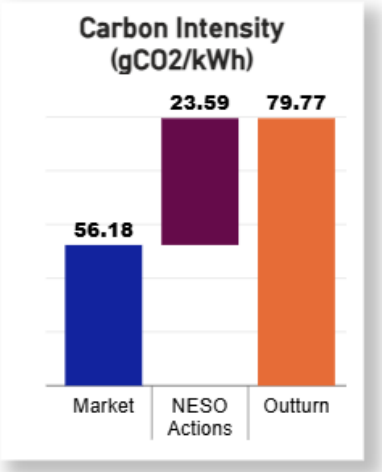
Slido code #OTF

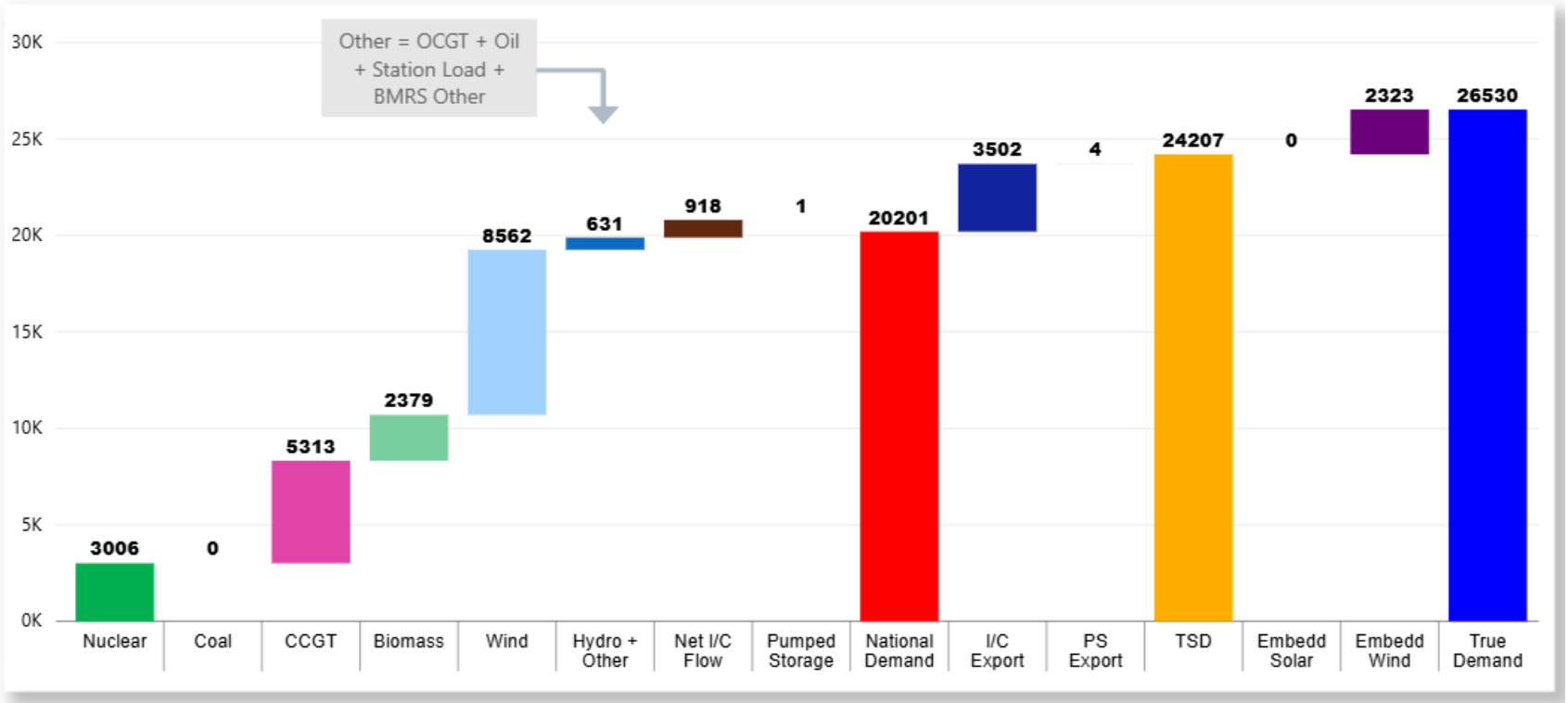
Date: 09 August 2025

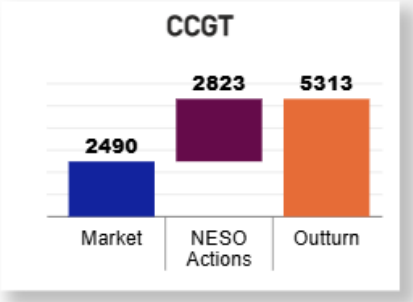
SP: 1

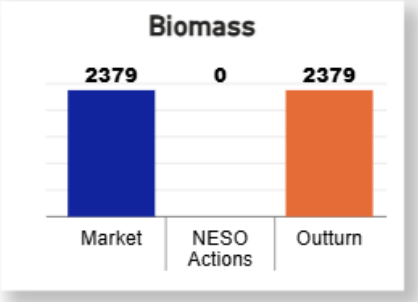
Half-hour preceding

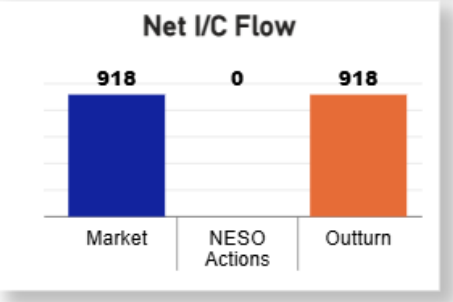
00:30

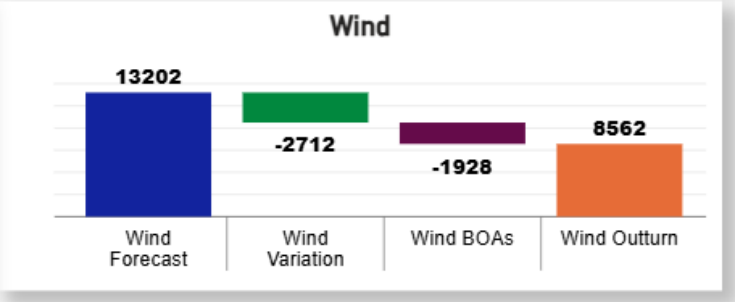








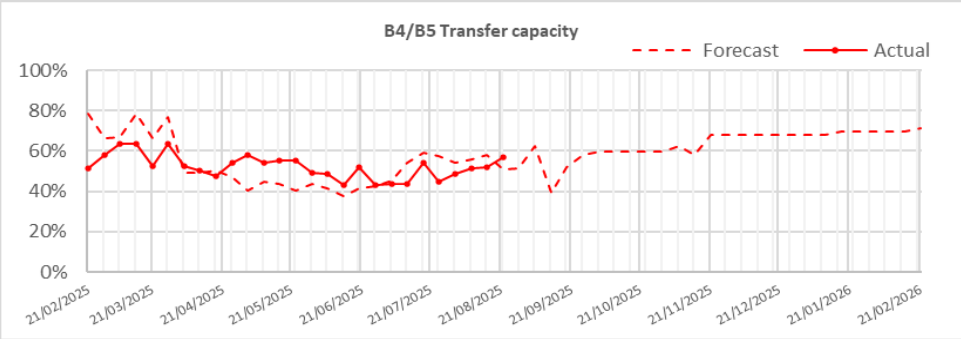


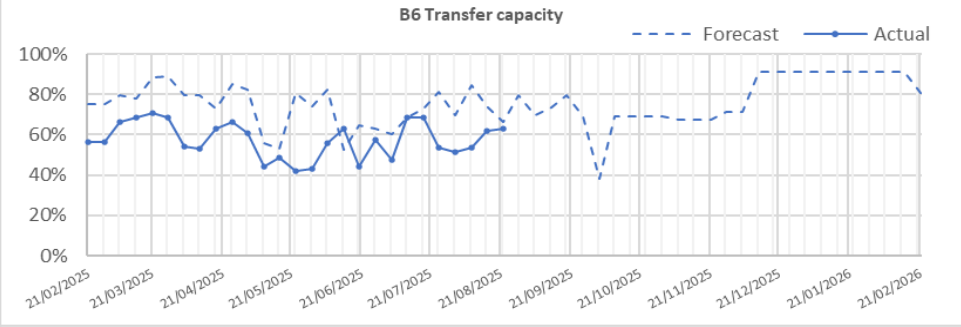


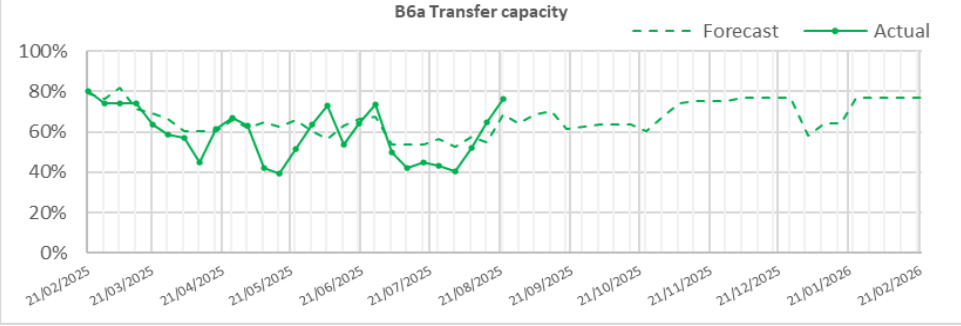
NESO National Energy System Operator

Transparency | Network Congestion

Slido code #OTF







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LE1 (SEIMP)	8750	56%
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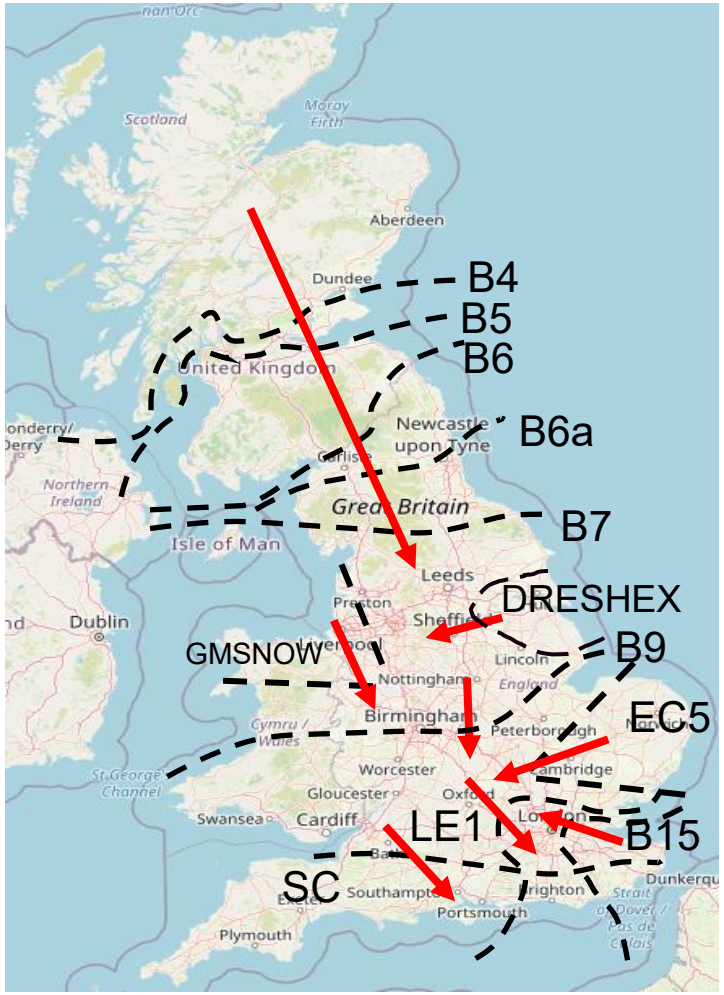
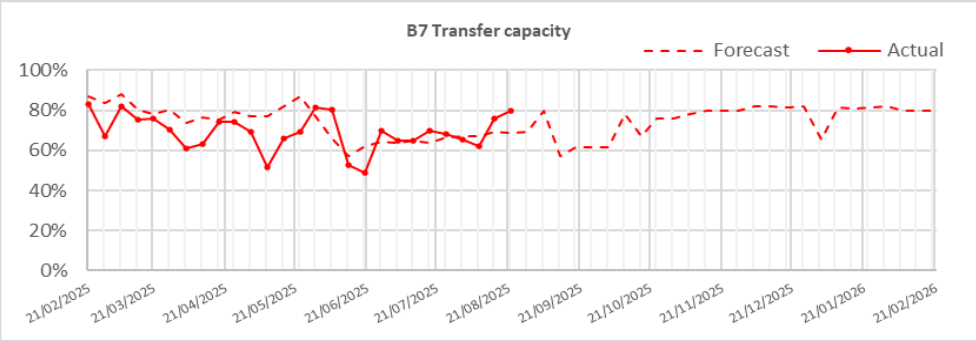
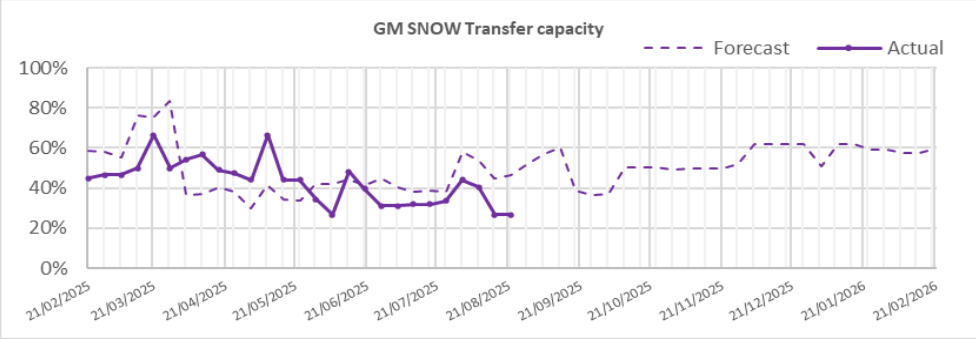
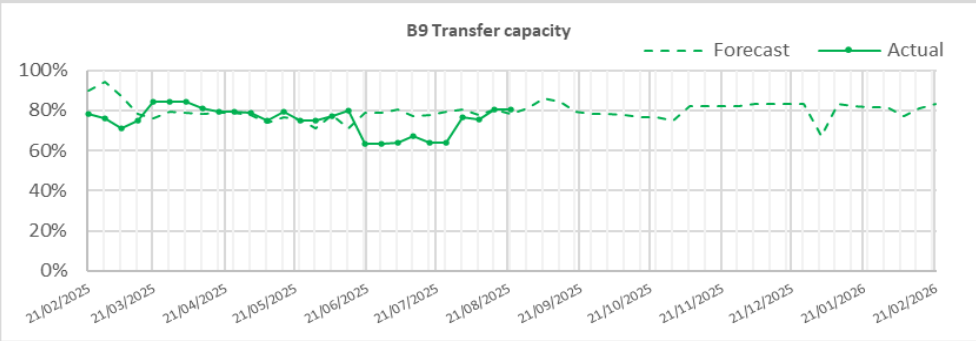
SC1	7300	45%



Transparency | Network Congestion







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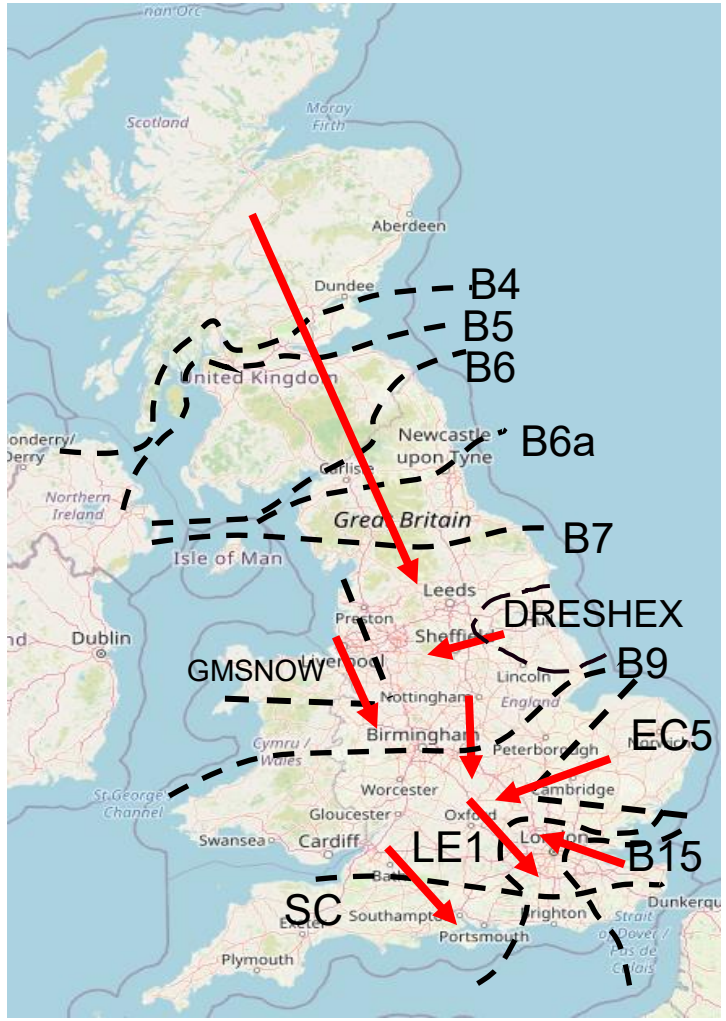

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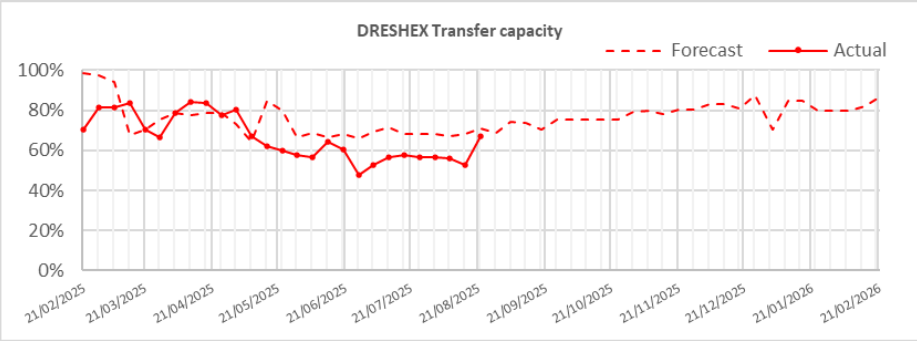

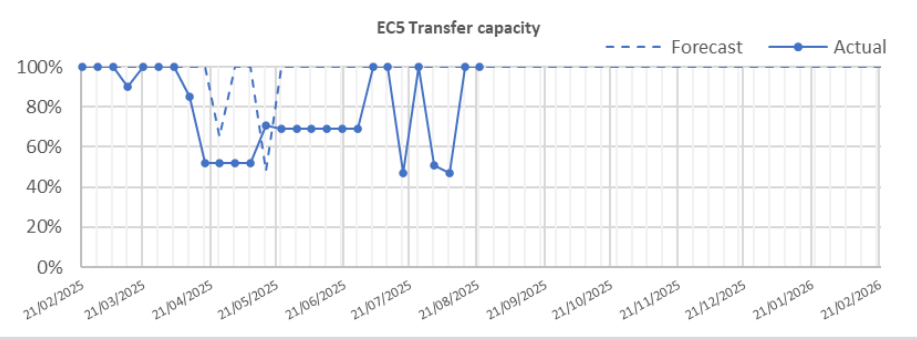

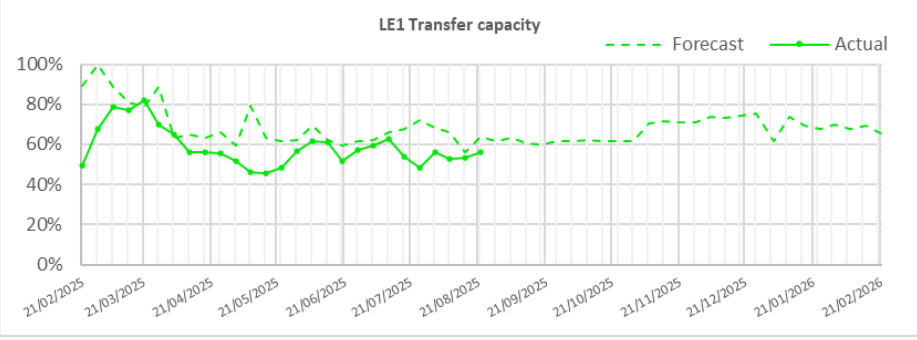

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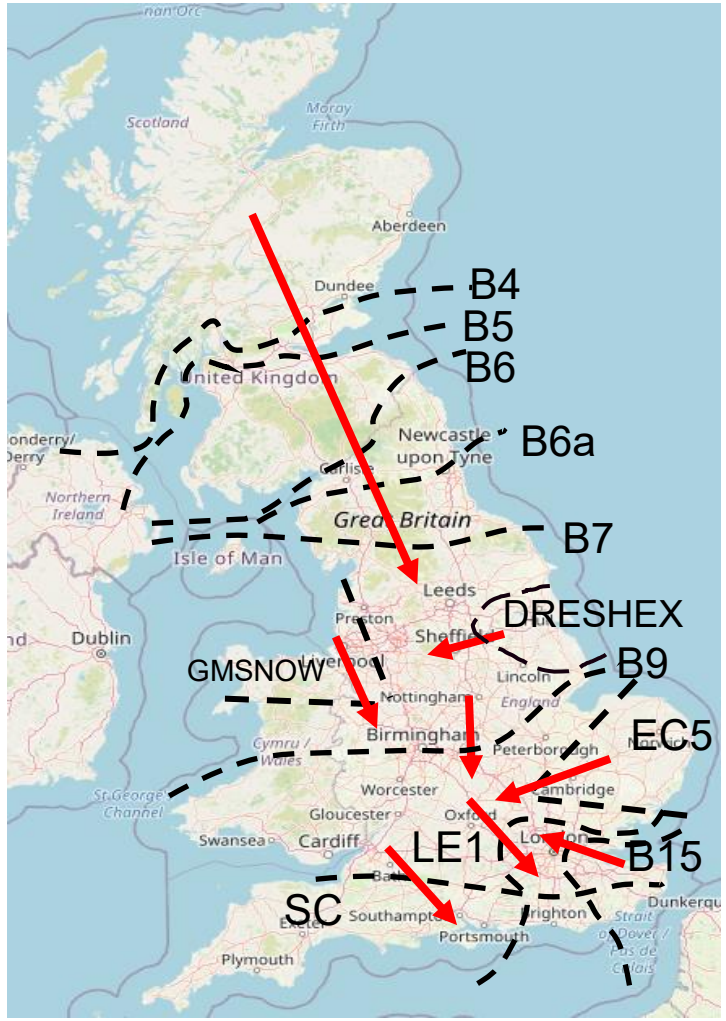
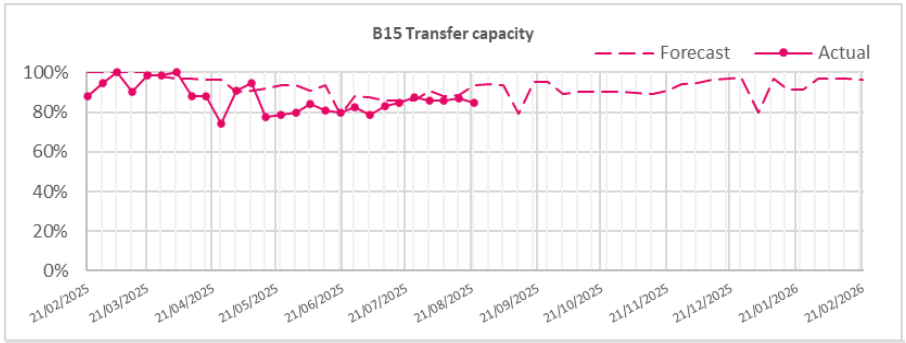
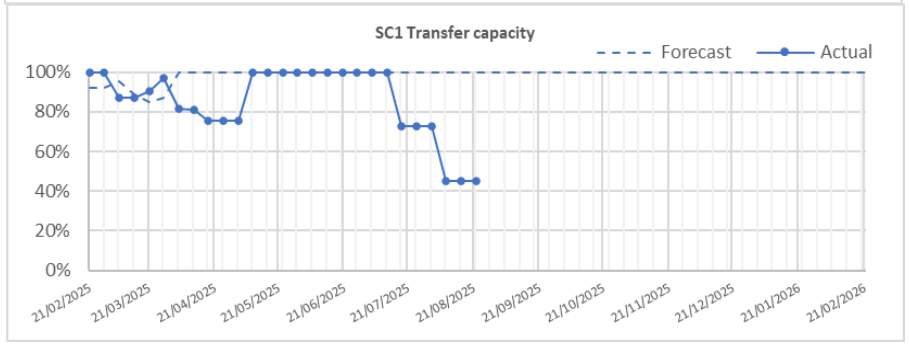


Transparency | Network Congestion





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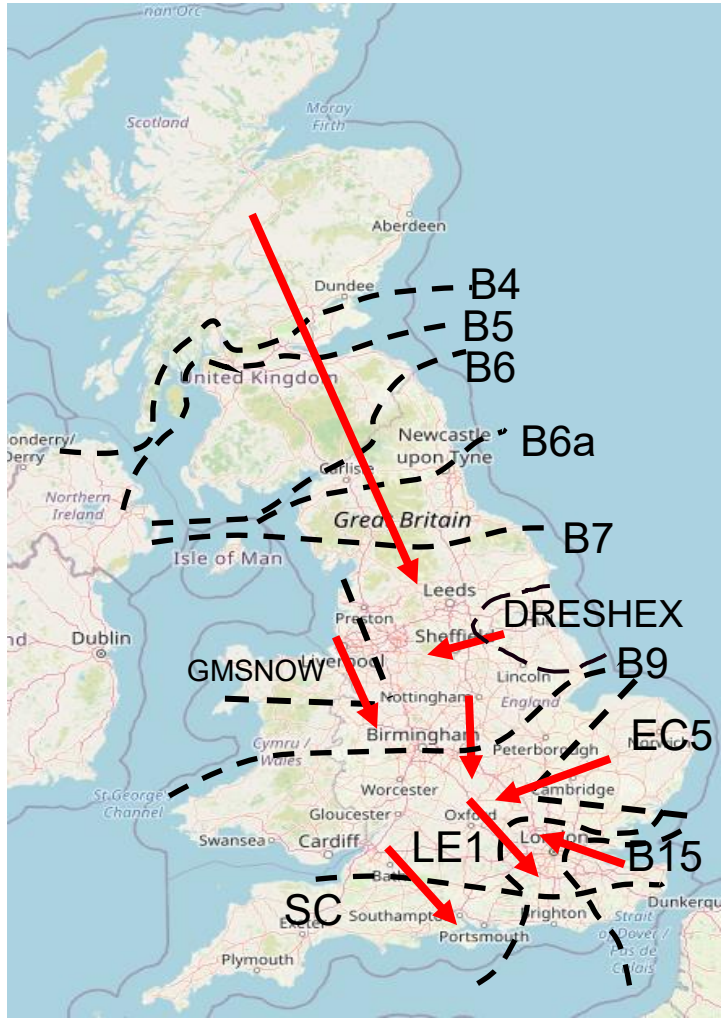


Day ahead flows and limits, and the 24-month constraint limit forecast are published on the ESO Data Portal: Constraints Management

(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

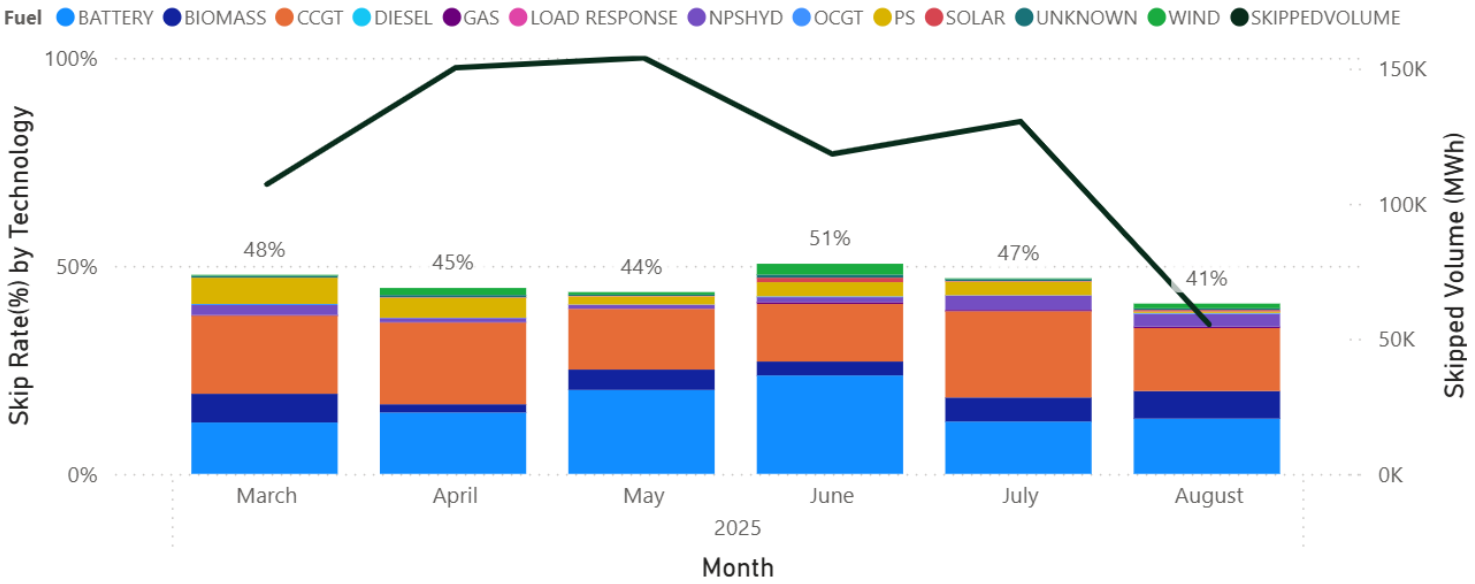
The current skip rate methodology only considers energy actions within the BM

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.

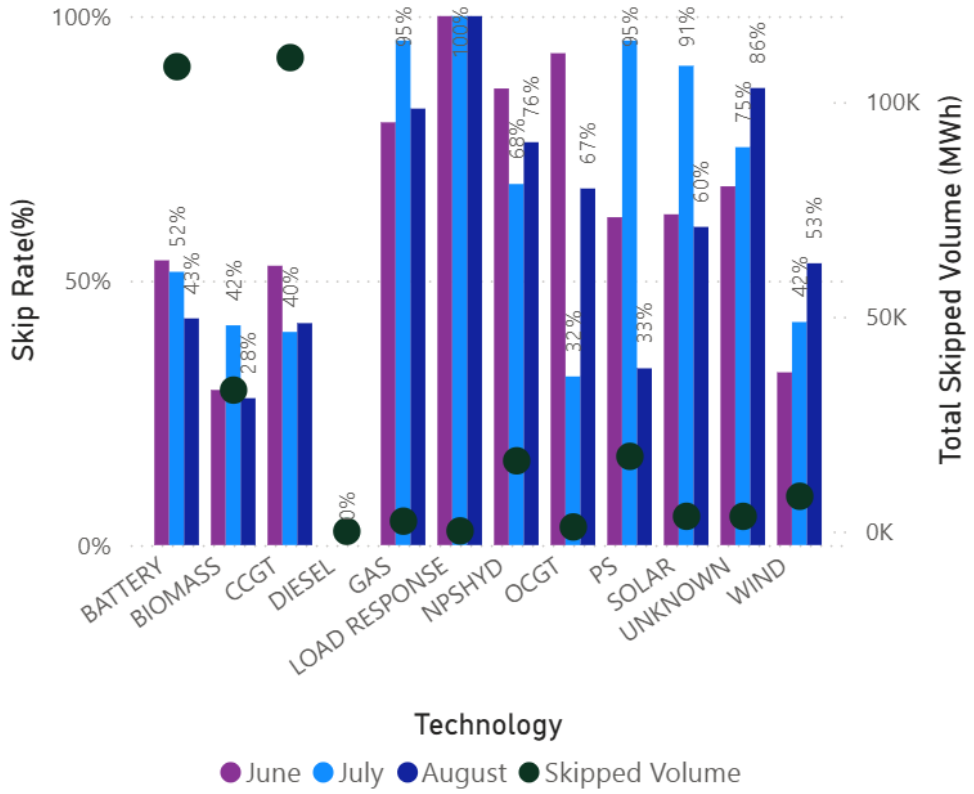
These graphs are based on stage 5 of the PSA definition.

Weekly Average w/e	Bids - All BM	Bids - PSA
27/07	19%	47%
03/08	19%	40%
10/08	1%	39%
17/08	19%	45%

Relative Technology Skip Rate



Technology Specific Skip Rate – last 3 months



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

NESO National Energy System Operator

Skip Rates by Technology Type – Offers

Slido code #OTF

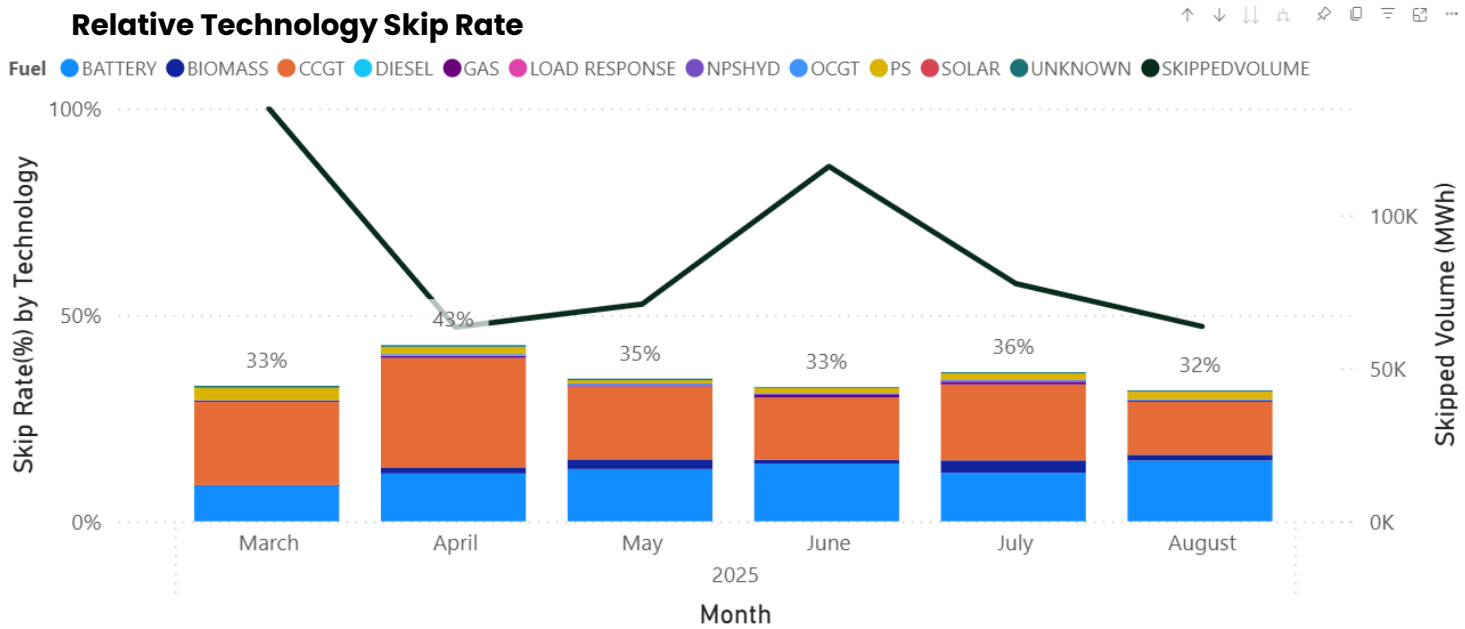
The current skip rate methodology only considers energy actions within the BM

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
27/07	14%	34%
03/08	7%	37%
10/08	10%	30%
17/08	12%	35%

Relative Technology Skip Rate



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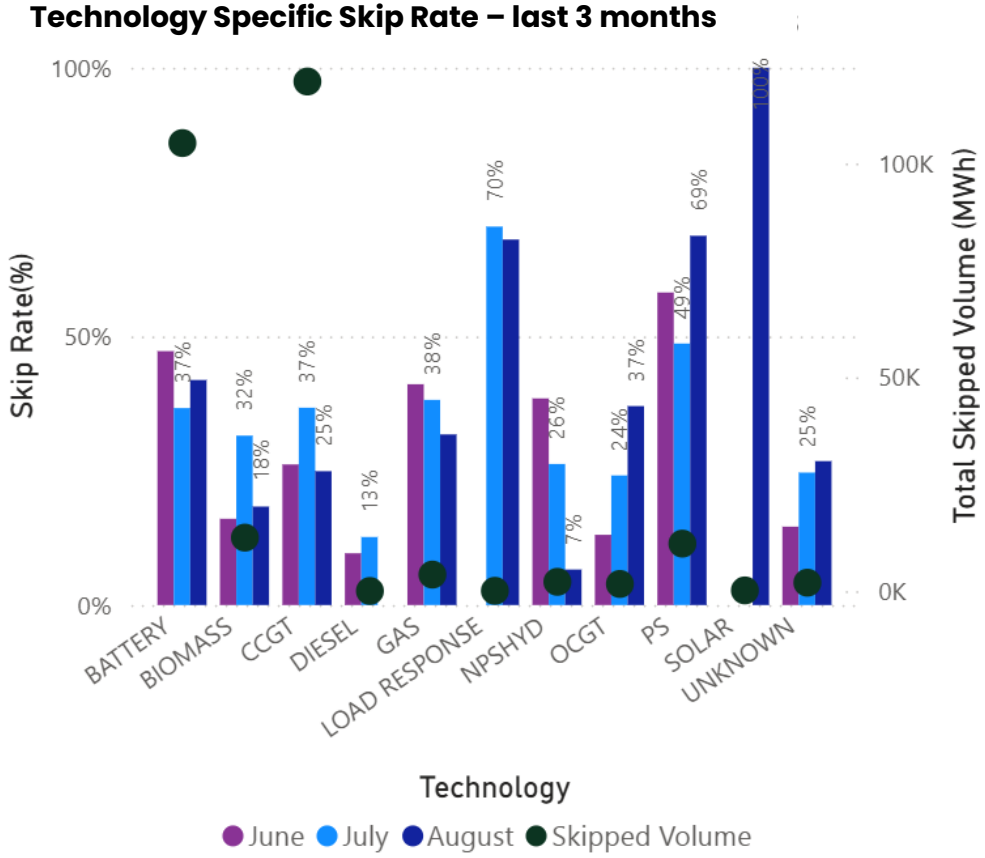

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Skip rate data and more info on skip rates including methodology can be found on our website.

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NESO National Energy System Operator

Previously Asked Questions

Q: (06/08/2025) Do NESO do any automated checks for faults or potential fraud by checking operational metering vs settlement metering. If not, why not?

A: NESO do not have visibility of the Settlement Metering as this is provided directly to the Central Data Collection Agent (CDCA). Also the Operational Metering Signals derive from the Settlement Meter and therefore even if a comparison between the two data sets was available it would not provide an independent check. Any suspected issue with the Settlement Meter should be reported to the appointed Metering Operating Agent, ELEXON and CDCA.

As explained in the presentation at the OTF (6 August) NESO use the Operational Metering signals for Visibility, Power Flow Analysis and forecasts. Our systems are equipped to automatically detect issues with operational metering such as **non-updating signal** or **questionable quality**.

Q: (06/08/2025) Can you not use state estimation to identify the correct sign of operational metering data?

A: State Estimation is a component of Power Network Analysis (PNS). It helps identify metering issues, but manual data entry into SCADA becomes inefficient if values fluctuate. State Estimation can also produce inaccurate results if multiple faults occur at the same substation, as it still outputs values regardless of errors.

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?

NESO National Energy System Operator

Advance Questions

Slido code #OTF

Q: (06/08/2025) Could you please provide information regarding the system frequency deviation yesterday (5th August 2025) around 14:03hrs. Thank you.

A: The short frequency deviation on 5 August 2025 at approximately 15:03 British Summer Time (14:03 UTC) was caused by a number of wind units unexpectedly ceasing generation. This was due to a technical error at the wind farm operator. The error was corrected through dialog between NESO and the wind farm operator.

Q: (18/08/2025) Can NESO please articulate what, exactly, are the concerns (in principle) it has with sharing constraint information with industry? Is it, for example, that information might be accessible to the public / non industry parties? Is it more than just this (if so what, in principle, are these other concerns)?

A: This question is outside the scope of the Operational Transparency Forum so we have passed your question on the appropriate NESO Team.

NESO National Energy System Operator

Advance Questions

Slido code #OTF

Q: (14/08/2025) Hello ,I am currently trying to work out how NESO applies penalties to assets that default on their reserve contracts. I have looked at this document https://www.neso.energy/document/324041/download and seen how you define technical and commercial unavailability. The calculations make sense to me, and I assume this is done on a minutely basis. I have a question about how you determine the penalty.

Here is the description of a problem:

Battery data:

Contracted Quantity: 20 MW

IVC (Incremental Volume Cost) price: £100/MWh (positive)

Availability payment for the half hour: £100

Advance Questions

Slido code #OTF

Q: (14/08/2025) continued…

9:00 – 9:15

MEL – PN = 5 MW – 3 MW = 2 MW → less than the 20 MW contracted → unit is unavailable.

MEL – MIL = 5 MW – (–10 MW) = 15 MW → less than the contracted 20 MW → technical shortfall.

Result: Battery loses availability payment for this half-hour.

9:15 – 9:30

MEL – PN = 10 MW – 3 MW = 7 MW → less than the contracted 20 MW → still unavailable.

MEL – MIL = 5 MW – (–20 MW) = 25 MW → greater than contracted 20 MW → commercial shortfall.

Result: Battery loses availability payment and gets an Incremental Volume Cost penalty.

Advance Questions

Q: (14/08/2025) continued…

Penalty Calculation

IVC Penalty = (100×20×0.5)-100 = (100 × 10) – 100= £1000 – £100= £900

In short:

From 9:00–9:15, the generator couldn't meet contracted reserve technically and loses availability payment.

From 9:15–9:30, the generator still couldn't meet reserve availability and also triggered a commercial penalty, leading to a total fine of £900 in addition to losing its £100 availability payment.

Advance Questions

Q: (14/08/2025) continued…

Would this asset be charged a penalty of: Loss of availability payment + Increment Volume Cost penalty, over the total half hour. Or would it be charged by the loss of availability payment because the first minute a penalty was encountered and calculated, it was technical and not commercial unavailability?

Is the total penalty this asset faces in this case: £100 (availability) + £900 (IVC amount) = £1000?

I would like to know whether I should be looking at the MEL, PN and MIL profile at the initial time of submission (e.g. an hour before the relevant time), then look over the whole half hour and see whether it was purely technical for all minutes, in which case it just loses availability payment, or whether it had any minutes of commercial unavailability, in which case it loses the availability payment pays the IVC amount.

Please let me know if I am going about my calculations correctly, and I thank you for your time in advance.

A: Reserve contracts are awarded on a settlement period basis, and any failure to deliver technical or commercial availability in the settlement period is a breach of contract and subject to penalties. These therefore apply to the duration of each contract (30mins) and are not pro-rated.

Please address the detail queries to box.futureofbalancingservices@neso.energy. We will consider the topic for future deep dive at OTF.

Outstanding 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.

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?

NESO National Energy System Operator

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

NESO National Energy System Operator

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

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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