



ESO Operational Transparency Forum
27 September 2023 – no live session

Introduction | Sli.do code #OTF

To ask questions live and provide us with post event feedback go to Sli.do and join 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 given on the next slide.
- **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.
- **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.

Stay up to date on our webpage: <https://www.nationalgrideso.com/OTF>

Future deep dive / focus topics

Planned

Winter Outlook – 4 October

Future

Scottish Oscillations – following conclusion of current investigative work

If you have suggestions for future deep dives or focus topics please send them to us at:
.box.NC.customer@nationalgrideso.com and we will consider including them in a future forum

Please note: **there won't be a forum on Wednesday 27 September** due to availability. Regular content will still be published on 27 September.

C16 Additional Consultation 2023

We welcome industry's views on the proposed changes within our consultation.

*Standard Condition Licence C16 "**Procurement and use of balancing services**" sets out the obligation on the ESO to publish five statements addressing the procurement and use of balancing services. In accordance with C16 of its Transmission Licence, we are conducting an additional review of all licence statements, following proposed changes to the Procurement Guidelines and ABSVD Statement.*

Our official consultation is open from the **1st September 2023**. Please respond by **5pm on 29th September 2023**.

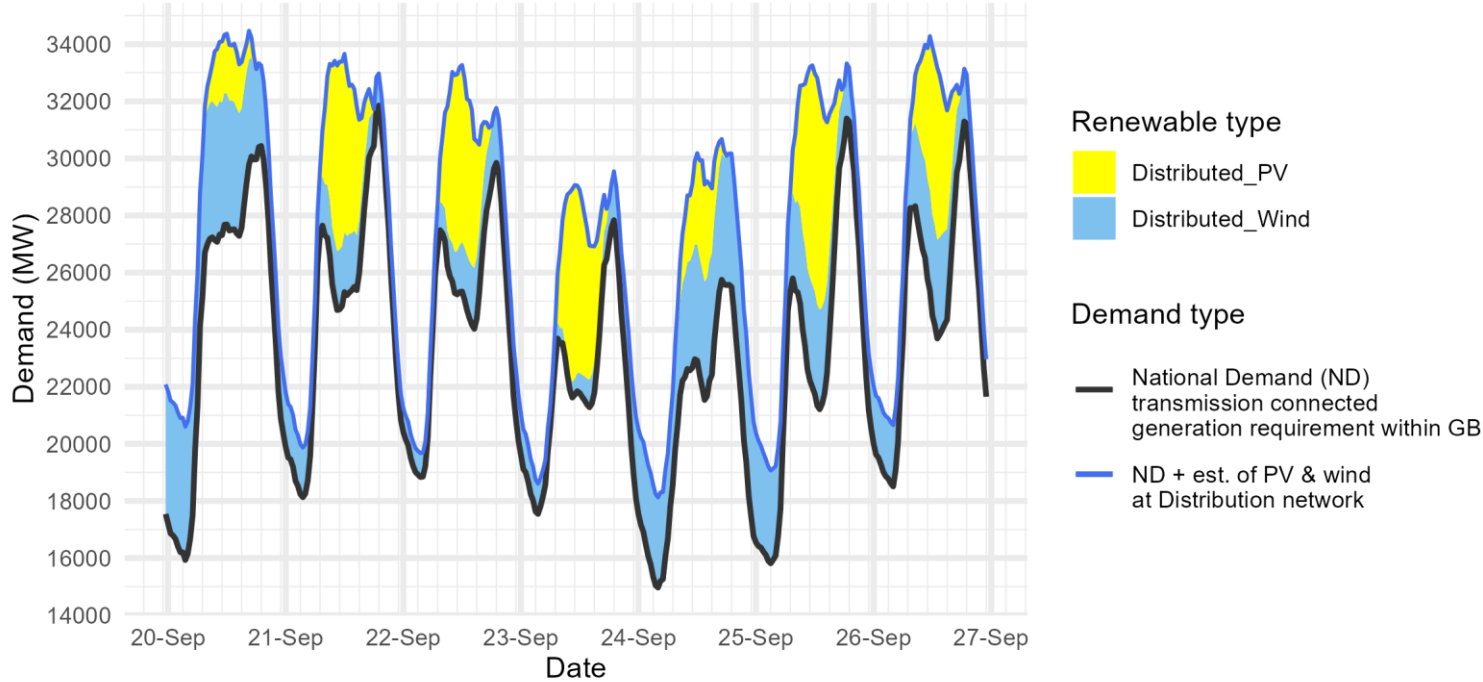
Please find the consultation documents on our [C16 web page](#)

If you would like to receive notification of future C16 events, consultations and updates, then please sign up to our [mailing list](#).

Any questions, please contact balancingservices@nationalgrideso.com

Demand | Last week demand out-turn

ESO National Demand outturn 20-26 September 2023



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

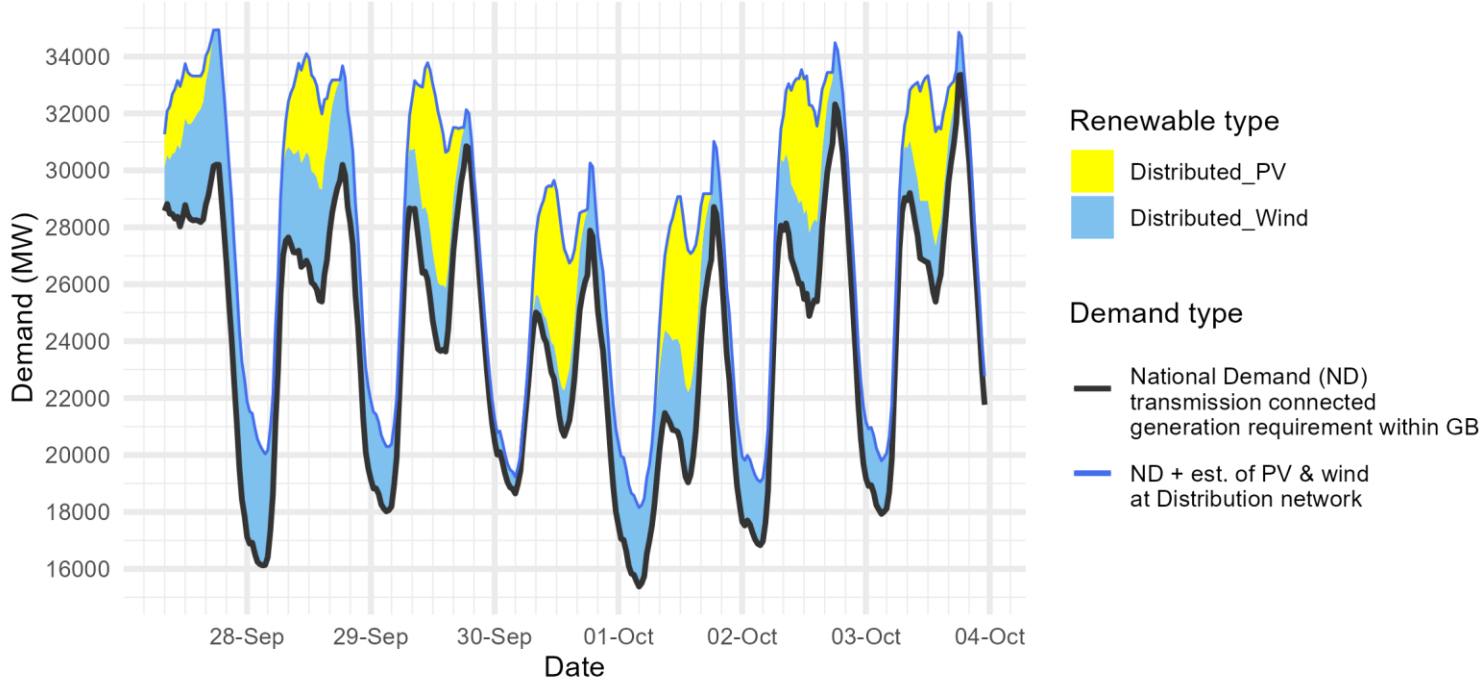
Blue line serves as a proxy for total GB customer demand. It includes demand supplied by the distributed wind and solar sources, but it **does not include** demand supplied by non-weather driven sources at the distributed network for which ESO has no real time data.

Date	Forecasting Point	FORECAST (Wed 20 Sep)		OUTTURN	
		National Demand (GW)	Dist. wind (GW)	National Demand (GW)	Dist. wind (GW)
20 Sep	Evening Peak	30.2	3.0	30.4	2.9
21 Sep	Overnight Min	18.6	1.7	18.1	1.7
21 Sep	Evening Peak	31.3	1.6	31.7	1.2
22 Sep	Overnight Min	18.6	1.7	18.8	0.8
22 Sep	Evening Peak	29.5	2.7	29.6	2.0
23 Sep	Overnight Min	17.8	1.7	17.5	1.1
23 Sep	Evening Peak	27.6	2.0	27.6	1.6
24 Sep	Overnight Min	14.7	3.5	15.0	3.2
24 Sep	Evening Peak	26.8	4.0	25.7	4.4
25 Sep	Overnight Min	15.7	3.2	15.8	3.3
25 Sep	Evening Peak	31.3	2.5	31.4	1.9
26 Sep	Overnight Min	17.4	2.3	18.5	2.2
26 Sep	Evening Peak	31.8	2.0	31.3	1.8

Historic out-turn data can be found on the [ESO Data Portal](#) in the following data sets: [Historic Demand Data](#) & [Demand Data Update](#)

Demand | Week Ahead

ESO Demand forecast for 27 September-03 October 2023



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

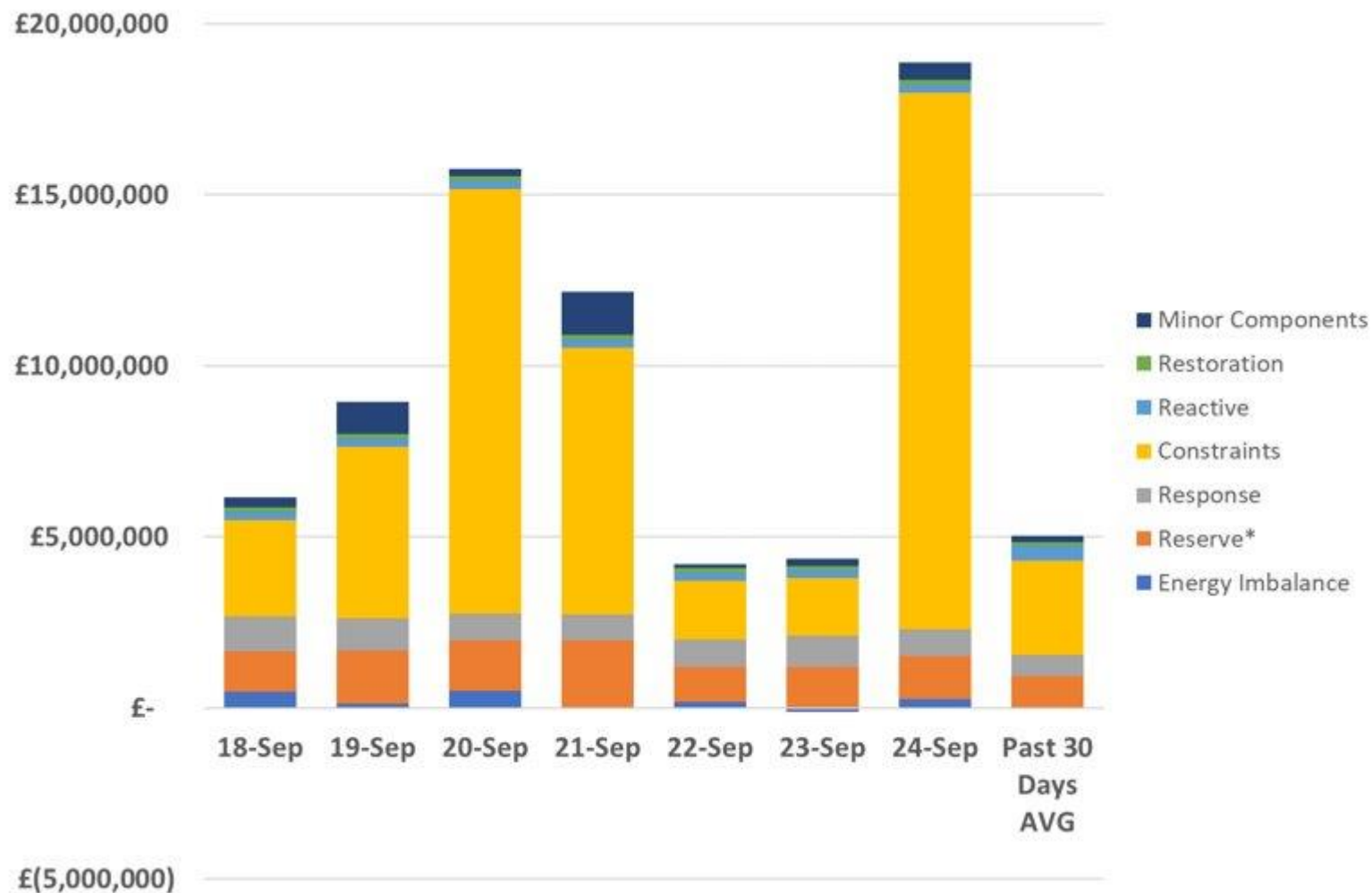
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Date	Forecasting Point	FORECAST (Wed 27 Sep)	
		National Demand (GW)	Dist. wind (GW)
27 Sep 2023	Evening Peak	30.2	4.7
28 Sep 2023	Overnight Min	16.1	4.0
28 Sep 2023	Evening Peak	30.2	3.5
29 Sep 2023	Overnight Min	18.0	2.3
29 Sep 2023	Evening Peak	30.9	1.3
30 Sep 2023	Overnight Min	18.6	0.6
30 Sep 2023	Evening Peak	27.9	2.4
01 Oct 2023	Overnight Min	15.4	2.8
01 Oct 2023	Evening Peak	28.7	2.3
02 Oct 2023	Overnight Min	16.8	2.2
02 Oct 2023	Evening Peak	32.3	2.2
03 Oct 2023	Overnight Min	17.9	1.9
03 Oct 2023	Evening Peak	33.4	1.2

ESO Actions | Category costs breakdown for the last week



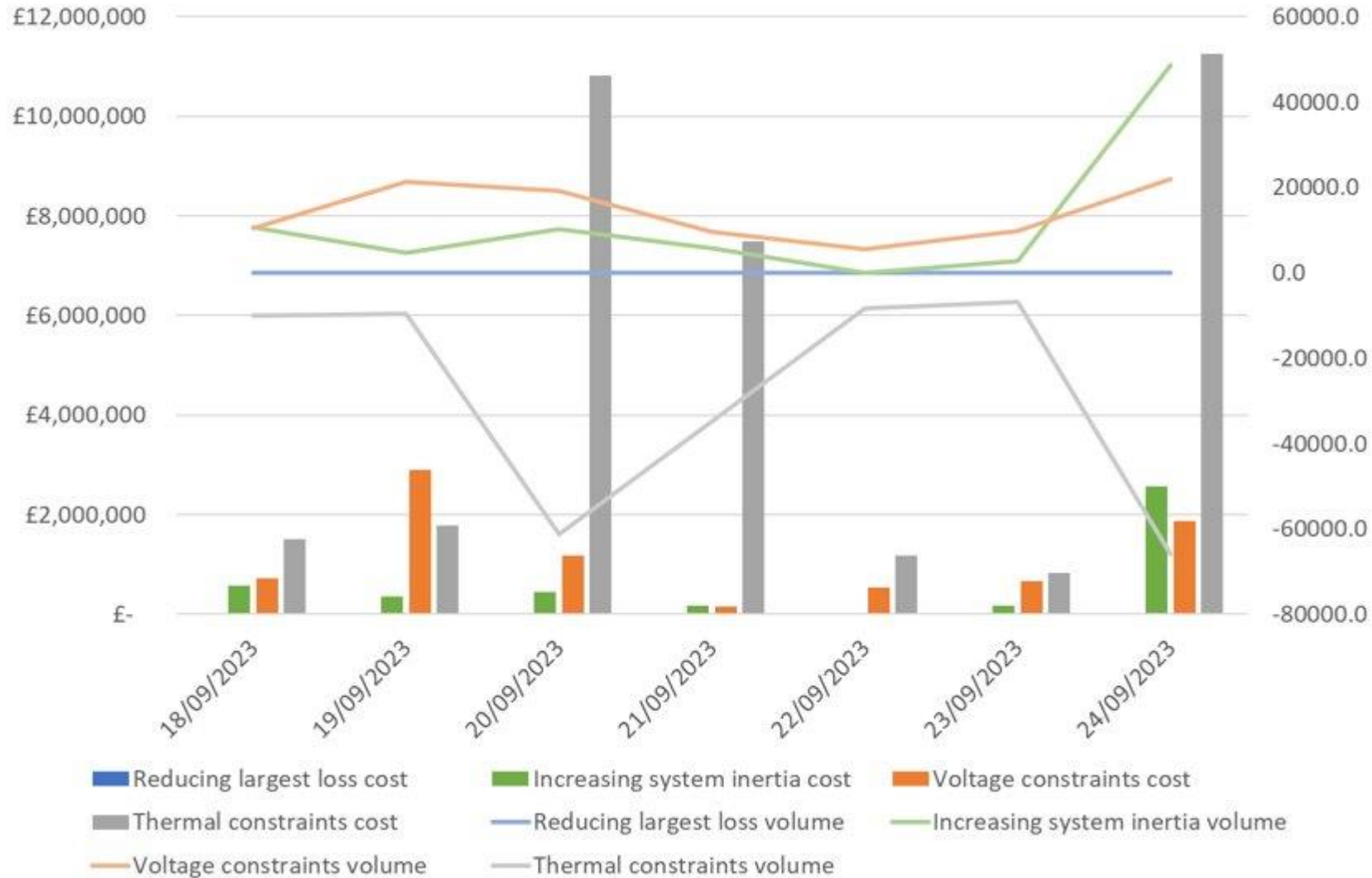
Date	Total (£m)
18/09/2023	6.2
19/09/2023	9.0
20/09/2023	15.8
21/09/2023	12.2
22/09/2023	4.2
23/09/2023	4.2
24/09/2023	18.9
Weekly Total	70.3
Previous Week	40.1

Constraints and Reserve costs were the key cost component for the week.

Please note that all the categories are presented and explained in the MBSS.

Data issue: Please note that due to a data issue on a few days over the last few months, the Minor Components line in Non-Constraint Costs is capturing some costs on those days which should be attributed to different categories. It has been identified that a significant portion of these costs should be allocated to the Operating Reserve Category. Although the categorisation of costs is not correct, we are confident that the total costs are correct in all months. We continue to investigate and will advise when we have a resolution.

ESO Actions | Constraint Cost Breakdown



Thermal – network congestion

Actions were required to manage thermal constraints throughout the week with the most significant costs on Wednesday, Thursday, and Sunday.

Voltage

Intervention was required to manage voltage levels throughout the week.

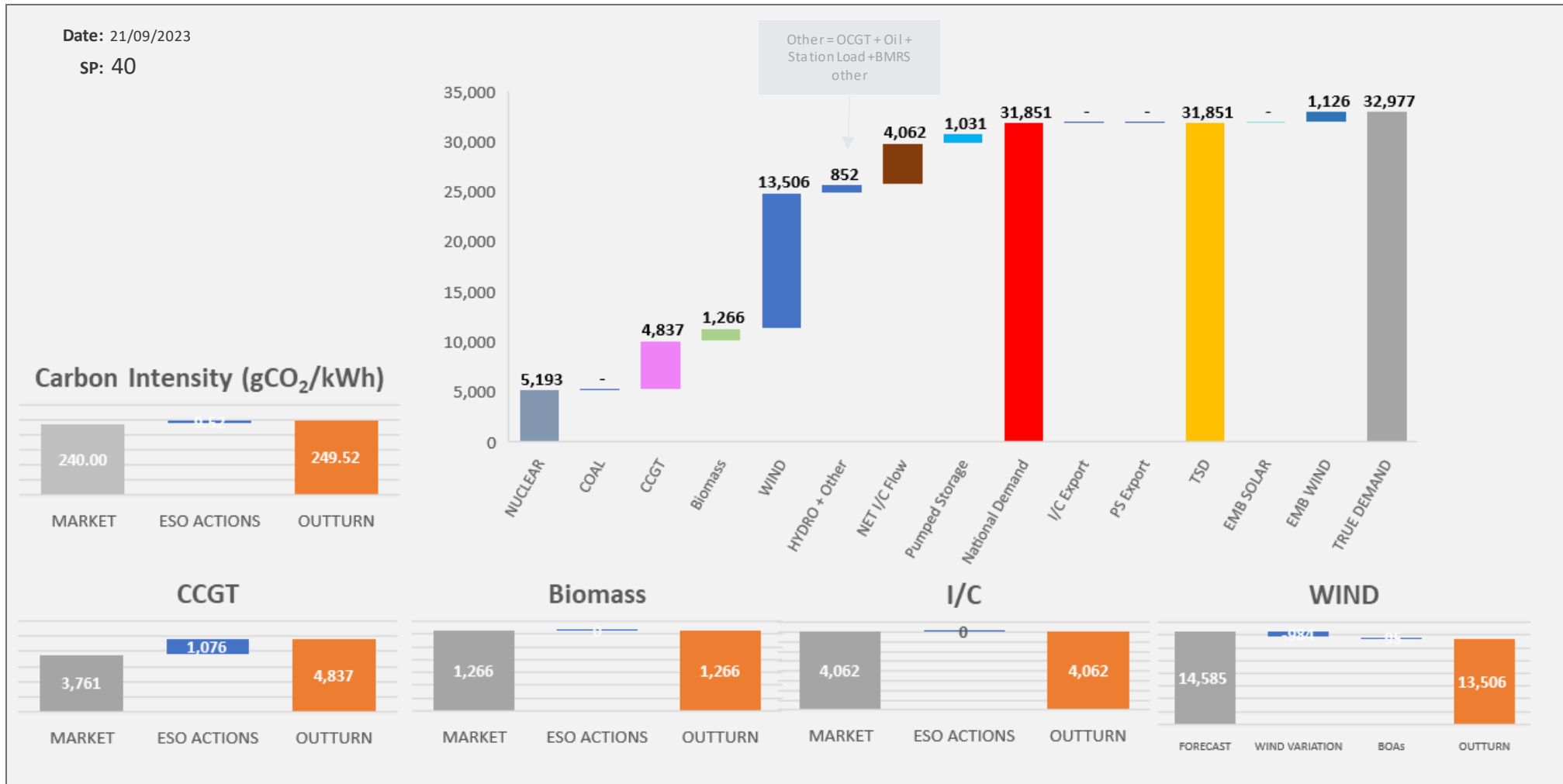
Managing largest loss for RoCoF

No intervention was required to manage largest loss.

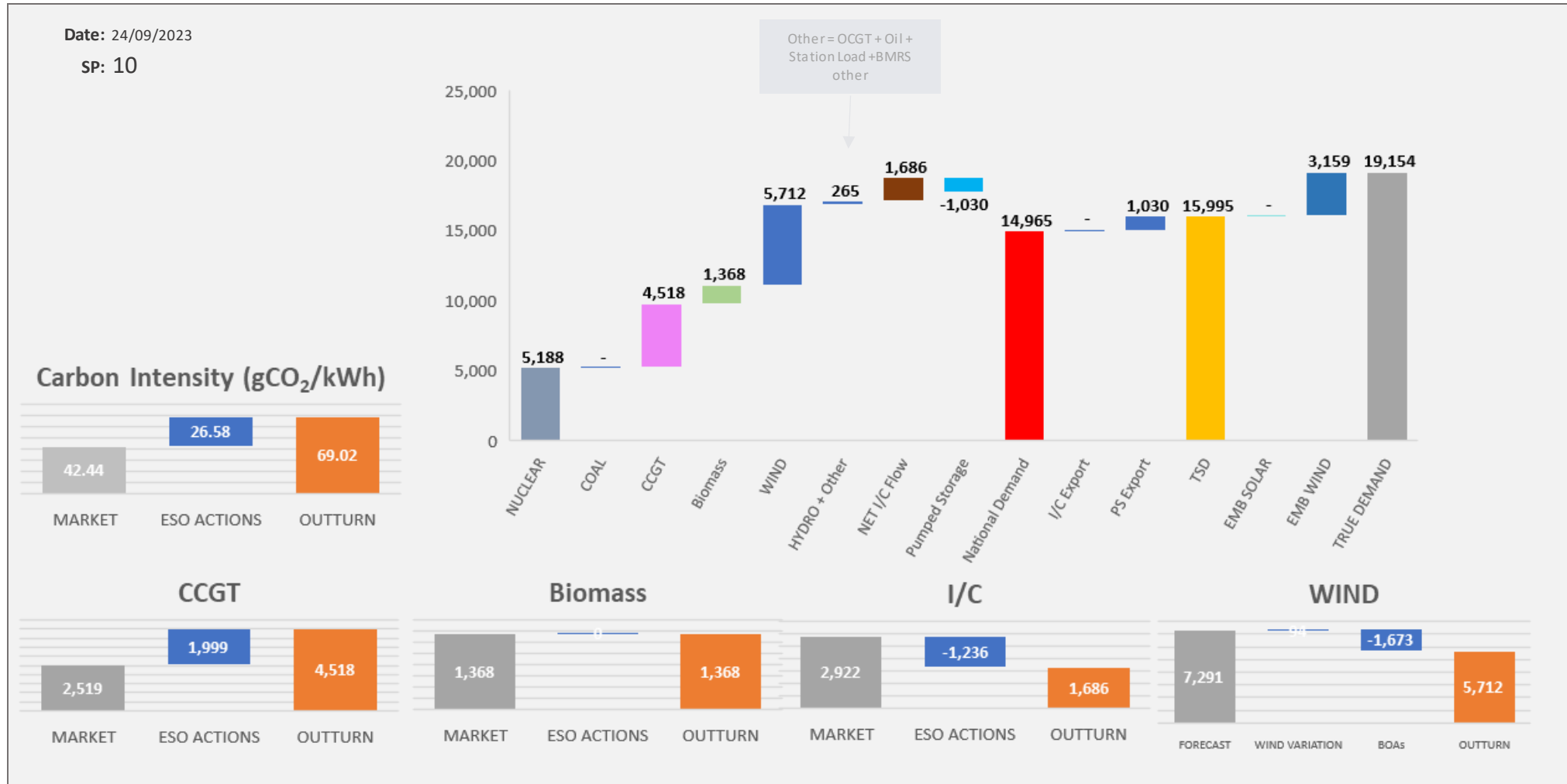
Increasing inertia

Intervention was required to manage System Inertia throughout the week except Friday.

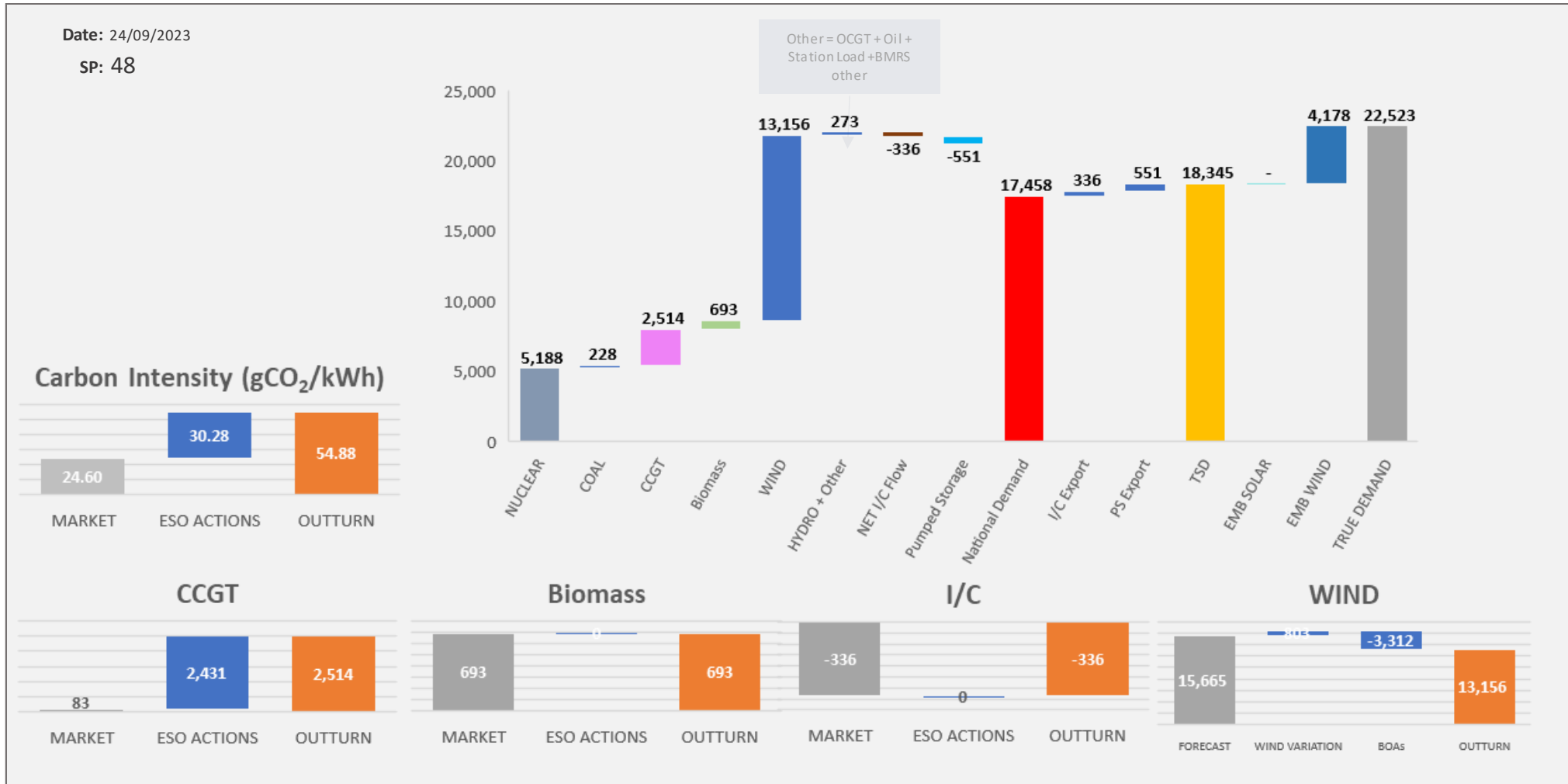
ESO Actions | Thursday 21 September – Peak Demand – SP spend ~£108k



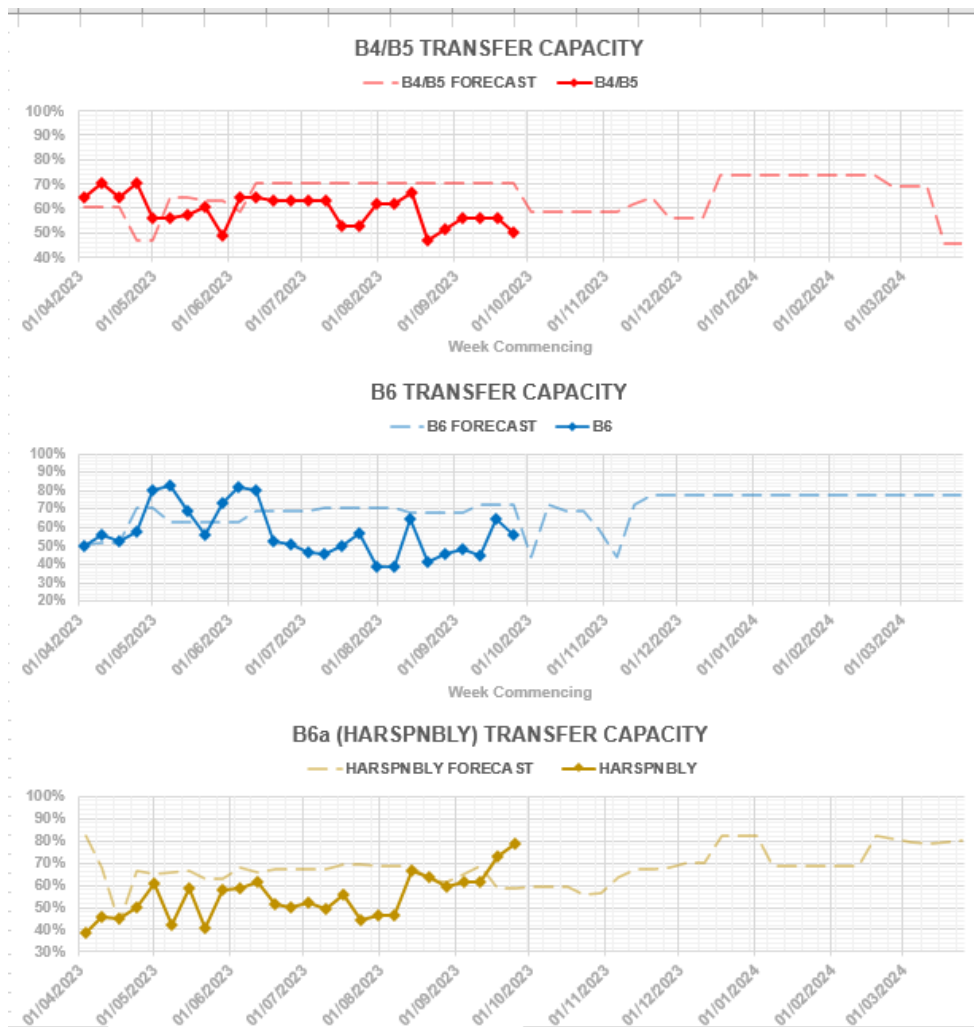
ESO Actions | Sunday 24 September – Minimum Demand – SP Spend ~£382k



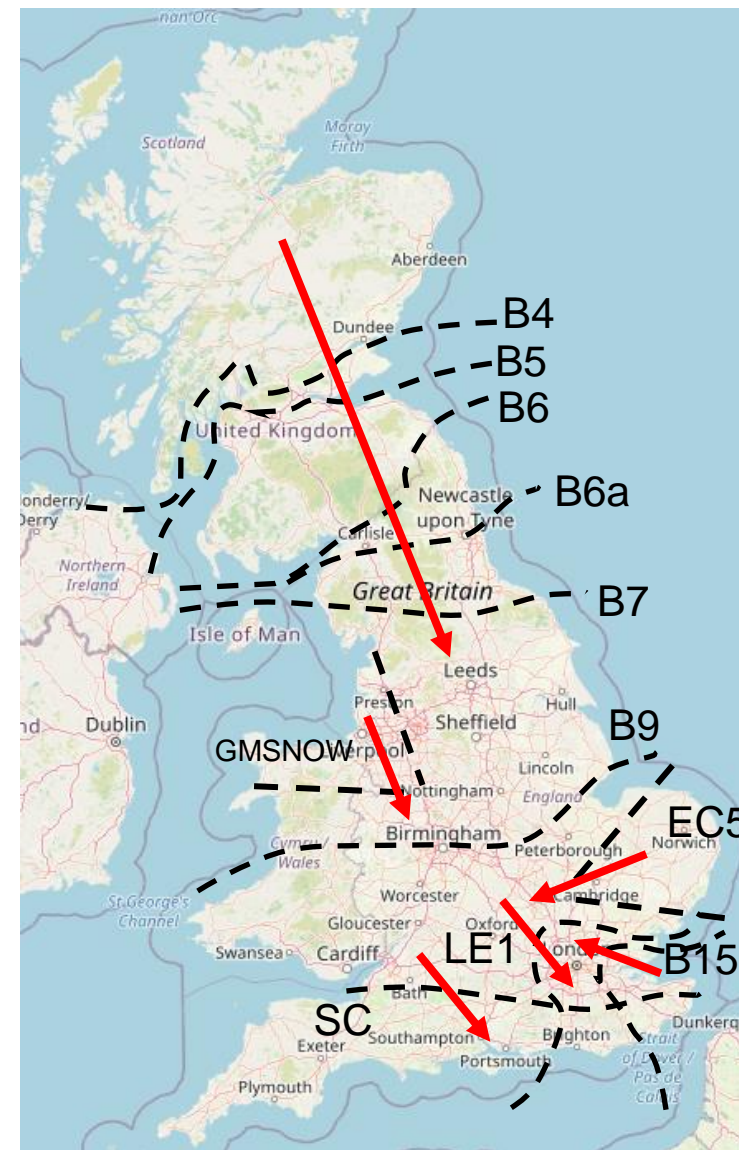
ESO Actions | Sunday 24 September – Highest SP Spend ~£545k



Transparency | Network Congestion



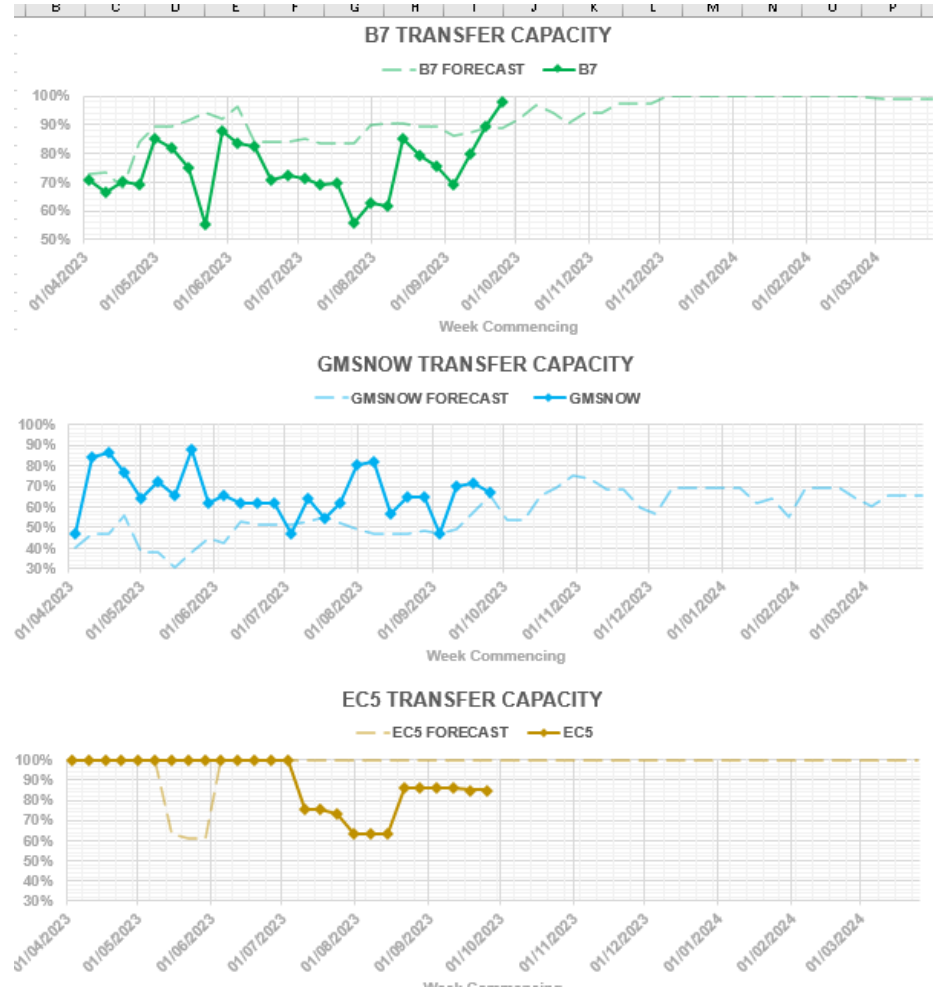
Boundary	Max. Capacity (MW)
B4/B5	3400
B6	6800
B6a	8000
B7	8325
GMSNOW	4700
B9	10600
EC5	5000
LE1	8500
B15	7500
SC	7300



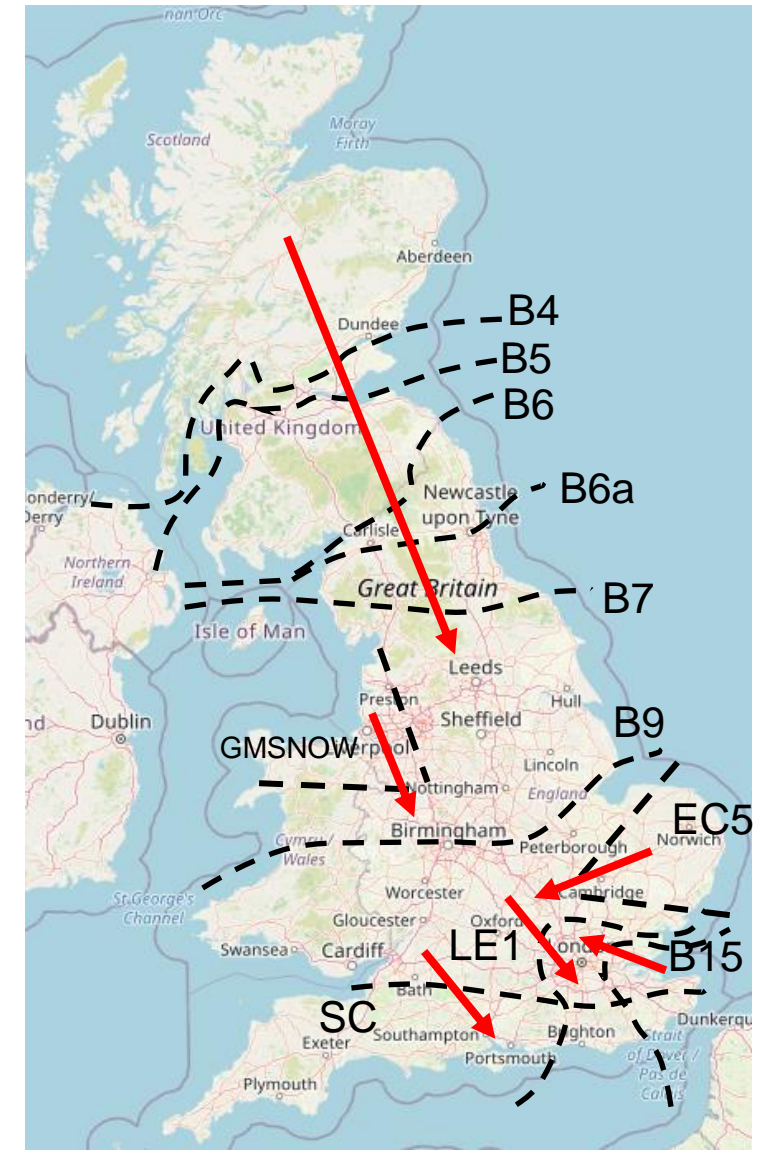
Day ahead flows and limits, and the 24-month constraint limit forecast are published on the ESO Data Portal:

<https://data.nationalgrideso.com/data-groups/constraint-management>

Transparency | Network Congestion

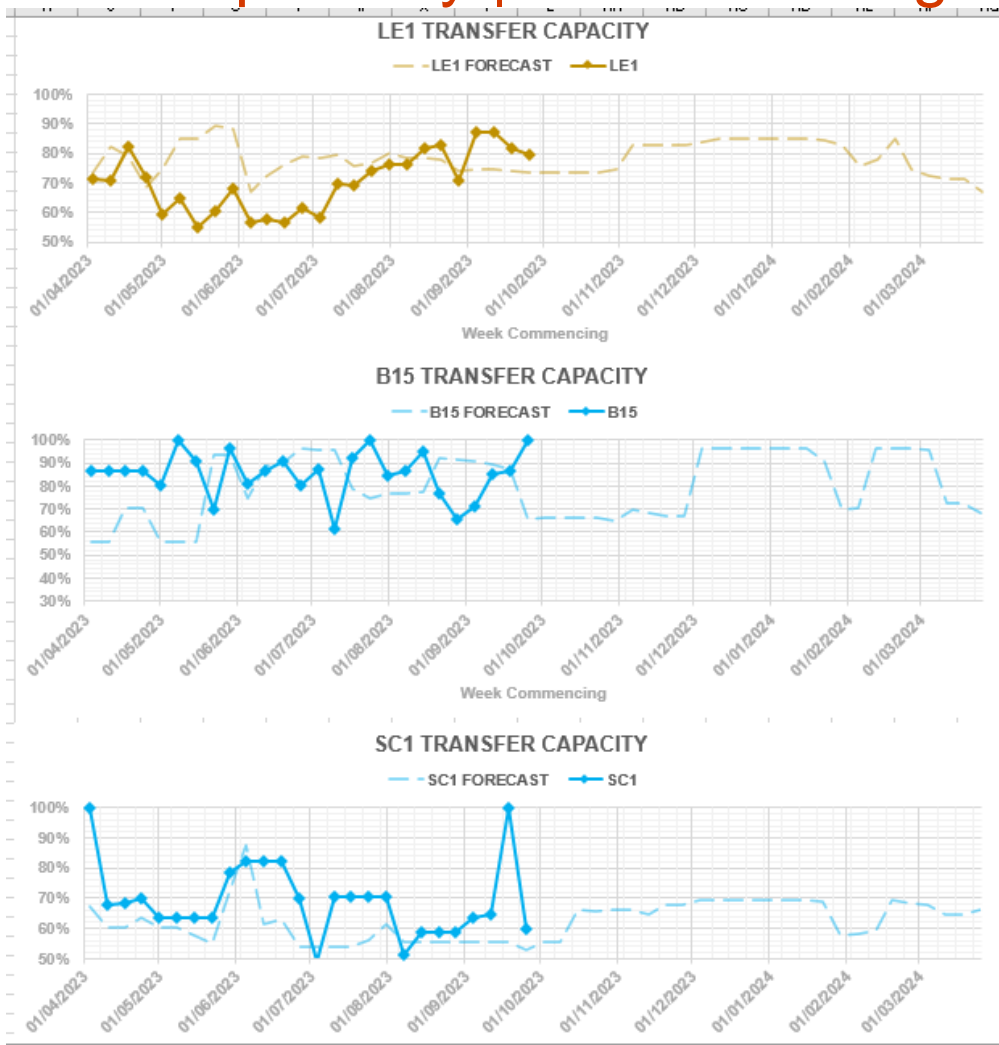


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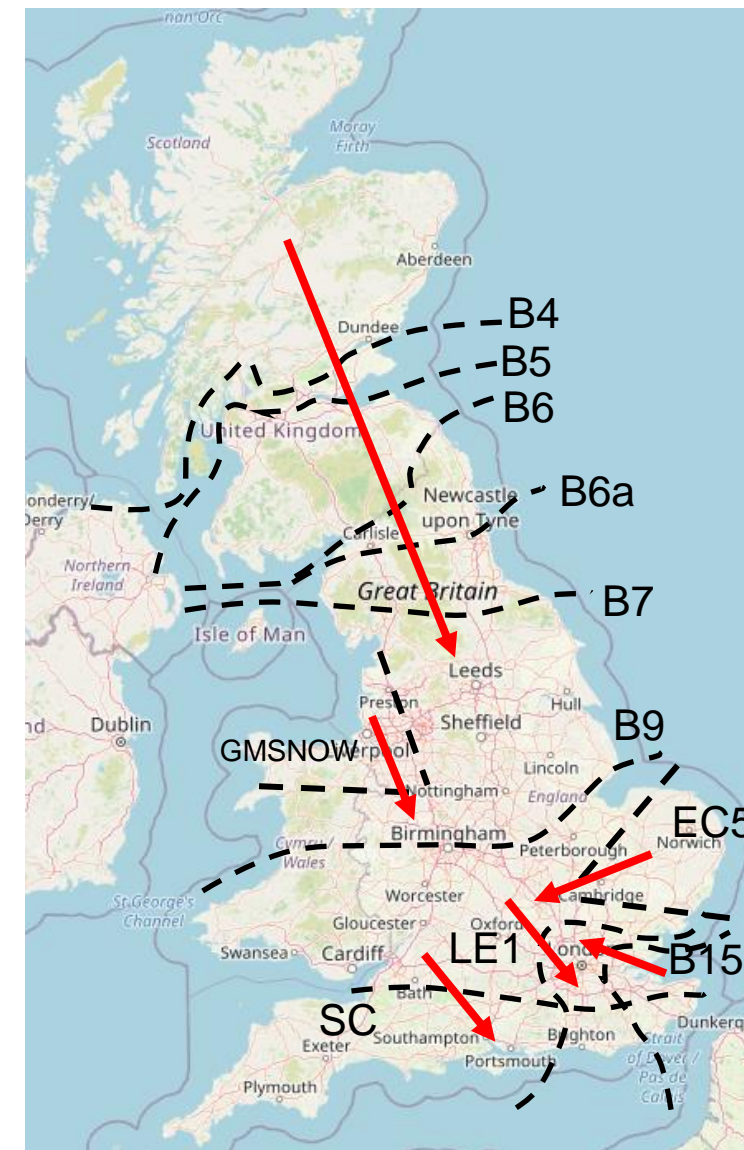


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Transparency | Network Congestion



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Feedback

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@nationalgrideso.com



Appendix

Purpose and scope of the ESO 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 ESO 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
ESO operational approach & challenges
ESO 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 ESO Control Room actions & decision making
Activities & operations of particular market participants
ESO policy & strategic decision making
Formal consultations e.g.: Code Changes, Business Planning, Market development

Managing questions at the ESO Operational Transparency Forum

- OTF participants can ask questions in the following ways:
 - Live via Sli.do code #OTF
 - In advance (before 12:00 on Monday) at <https://forms.office.com/r/k0AEfKnai3>
 - At any time to box.NC.Customer@nationalgrideso.com
- **All questions asked through Sli.do** will be recorded and published, with answers, in the Operational Transparency Forum Q&A on the webpage: [Operational Transparency Forum | ESO \(nationalgrideso.com\)](#)
- **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 ESO 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