

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 ESO) and we will not comment on these challenges. This type of concern can be reported to the Market Monitoring team at: marketreporting@nationalgrideso.com
- Questions will be answered in the upvoted order whenever possible. We will take questions from further down the list when: the answer is not ready; we need to take the question away or the topic is outside of the scope of the OTF.
- Sli.do will remain open until 12:00, even when the call closes earlier, to provide the maximum opportunity for you to ask questions. After that please use the advance questions or email options below.
- All questions will be recorded and published. Questions which are not answered on the day will be included, with answers, in the slide pack for the next OTF.
- Ask questions in advance (before 12:00 on Monday) at: https://forms.office.com/r/k0AEfKnai3
- **Ask questions anytime** whether for inclusion in the forum or individual response at: box.NC.customer@nationalgrideso.com

Future deep dive / focus topics

Today

OTF survey outcomes and report

Future

Pathfinders – 10th July

Fault Ride Through – July

Mandatory services – TBC

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

Changes to Short Term Operating Reserve (STOR) Procurement Requirement

- For the STOR MW auction, it is currently set as **1,210MW** (excluding long term contract volume of **390MW**).
- Following a recent review, the new daily procurement is 1,310MW.
- The long term contracted STOR volume will remain unchanged.
- We will change the requirement for auction on 1st July 2024 and for delivery on 2nd July 2024.
- We publish STOR requirements in our daily procurement platform <u>here</u>.
- For more information about STOR please visit the page <u>here</u>.

The Future of the Operability Strategy Report (OSR)

The Operability Strategy Report (OSR) has focused on our strategy for meeting the challenges of running the electricity system at zero carbon for short periods of time in 2025.

As we look ahead to operating a net zero electricity system, we are exploring how we might improve the OSR to ensure it best communicates operability challenges and forward strategy.



We are seeking your views on the future of the OSR

We are seeking feedback from OSR users to support our work to improve the OSR. In particularly, we are keen to understand:

- What do you find most useful about the current OSR?
- What would you like to see in future OSR publications?
- Are there any parts of the OSR that you do not find useful?
- Can you easily find the OSR on the ESO website?

If you would like to share your thoughts on the future of the OSR please complete this short survey by Friday 5th of July

Enhancing Energy Storage in the BM

Sign up to our webinar on the **24 July** where we will give an update on our work on Enhancing Energy Storage in the BM and we will share the outputs of the work LCPDelta have been doing to help us improve dispatch transparency in our operations

This webinar is aimed at all energy providers interested in skip rates and will cover

- Introduction to the skip rate challenge the ESO and industry are facing
- Stakeholder feedback gathered by LCPDelta
- Methodology to calculate skip rates (redefined as uneconomic dispatch)
- Results from the independent analysis report undertaken by LCPDelta
- Recommendations and conclusions of the analysis
- Next steps
- Q&A





https://events.teams.microsoft.com/event/397bd340-f388-4a62-a853-ae7911d7e989@f98a6a53-25f3-4212-901c-c7787fcd3495

Upcoming Consultations Timeline

Response Release 3 and Quick Reserve Consultations

Consultation published 27th June

Close 29th July

Ofgem
Submission W/C
26th Aug

Expected go live
October /
November

• If you would like a 1-2-1 with the teams either before or during consultation period please contact us at box.futureofbalancingservices@nationalgrideso.com

Demand Flexibility Service Consultation (Indicative Timeline)

Consultation published by mid-July

Close mid-August Ofgem
Submission midSeptember

Expected go live as soon as

November 24

 If you would like a 1-2-1 with the team either before or during consultation period please contact us at <u>demandflexibility@nationalgrideso.com</u>

Frequency Measurement Standards Questionnaire

- ESO is working on establishing a best practice framework for measuring frequency, outlining the minimum requirements that Balancing Service providers must meet to deliver dynamic frequency response services.
- A questionnaire will be shared with existing providers to gain insights into the current state of the industry. This will assist us in shaping the standard, taking into account current capabilities and service requirements.
- The questionnaire will be made available in accordance with the Response Reform consultation timelines, commencing on the **27th of June 2024** and remaining open until the end of the consultation period, **29th July 2024**.
- Link to questionnaire accessible from 27th of June 2024: https://forms.office.com/r/bzpgmhjB3y

Future Event Summary

Event	Date & Time	Link
Balancing Programme – London	27 th June 2024 9:30-17:30	Sign up here
PN Inaccuracy Consultation	Closes 26 th June 2024	Contact us

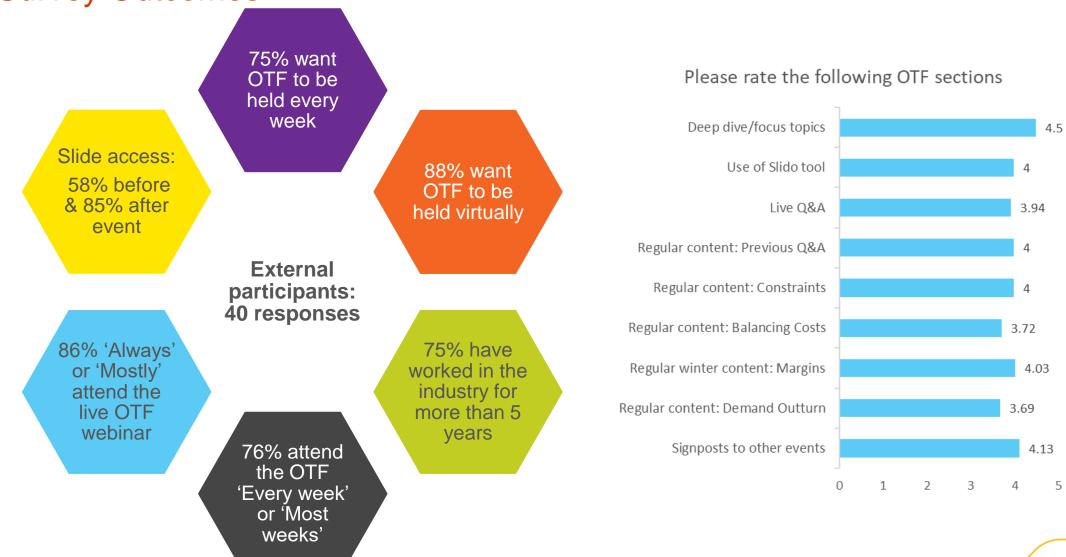
Annual Voltage Control Tests - Notification



- Yearly testing of voltage control will occur over the next few weeks.
- The tests are carried out to validate the volume of demand reduction we could expect and assure the operational process.
- This involves the DNOs reducing their voltage in one or two stages.
- Each voltage reduction stage will be between 2 and 4 percent, which is expected to deliver around 1.5 percent demand reduction;
- Testing will occur during the month of July, with groups of DNOs being instructed to reduce voltage on the dates indicated.
- Additional notifications will go out on BMRS on the day of testing
- Customers may potentially notice a change in their electricity supply, e.g. dimming of lights but they should be otherwise unaffected during these tests.

DNO	Previous Test Date (2023)	Next Test Date (2024)	Testing happening
Scottish Power Distribution (SPD)	13 th July	9 th July	Stage 1 and 2
SP Manweb plc	18 th October	9 th July	Stage 1 and 2
Eastern Power Networks plc (UKPN)	18 th July	11 th July	Stage 1
London Power Networks plc (UKPN)	19 th July	11 th July	Stage 1
South Eastern Power Networks plc (UKPN)	20 th July	11 th July	Stage 1
National Grid Electricity Distribution (South Wales) plc	3 rd August	16 th July	Stage 1 and 2
National Grid Electricity Distribution (South West) plc	1 st August	16 th July	Stage 1 and 2
National Grid Electricity Distribution (West Midlands) plc	13 th September	16 th July	Stage 1 and 2
National Grid Electricity Distribution (East Midlands) plc	12 th September	16 th July	Stage 1 and 2
Northern Powergrid (Northeast) Limited (NPG)	24 th August	30 th July	Stage 1 and 2
Northern Powergrid (Yorkshire) plc (NPG)	17 th August	30 th July	Stage 1 and 2
Scottish Hydro Electric Power Distribution plc	4 th October	30 th July	Stage 1 and 2
Electricity North West Limited (ENW)	30 th August	31 st July	Stage 1
Southern Electric Power Distribution plc (SSE)	6 th September	31 st July	Stage 1 and 2

OTF Survey Outcomes



Key Survey Themes

- 1) OTF specific: Naming individual units
- 2) OTF specific: Requiring names when asking questions via slido
- 3) Cross-ESO: Scheduling of ESO events
- 4) Cross-ESO: Virtual vs in-person attendance at ESO events

OTF Specific: Naming individual units

Feedback received:

A regular request to reconsider our position of not commenting on individual BMUs as this provides useful insight and is often available in published data.

ESO response:

We appreciate your feedback and we have reviewed our position on whether we will comment on individual BMUs and will now follow these principles:

- 1. We will name individual BMUs if the information is already in the public domain (i.e., is it obvious from published datasets). For example, if an interconnector tripped and this is visible from published data.
- 2. We will not name individual BMUs if this information is not available from published datasets (e.g., if it is only mentioned in news articles).
- 3. We will not comment on individual BMU market activity and behaviours. This includes not publishing questions asked in the OTF about specific actions of individual parties.

OTF Specific: Requiring names when asking questions via Slido

Feedback received:

We have received contradictory comments – some people like seeing who has asked questions and have asked us to include names in the '*Previously asked questions*' slides. Other people are concerned that requiring names could lead to harassment on social media.

ESO Response:

We have received differing feedback on our approach asking for and including names in Q&A. We understand both perspectives and hope our approach is a fair compromise.

We require full names or organisations in the live Q&A via Slido but we will not publish the names in the Q&A log or on the previously asked questions slides.

If individuals would prefer to remain anonymous to the forum when asking questions, there are two methods available which are advertised at the start of each OTF session.

- 1. Using the advance question form. Questions asked in this way will be included in the slide pack the following week without names.
- 2. Via <u>box.NC.Customer@nationalgrideso.com</u>. Questions asked in this way will be responded to directly, unless we are explicitly asked to include the answer in the OTF.

Cross-ESO: Scheduling of ESO events

Feedback received:

There isn't a comprehensive list of ESO events so participants are using the OTF to gain visibility but the OTF isn't able to provide a complete picture. There are also perceived frequent clashes between ESO events so participants must choose which event is more important to them.

ESO response:

We're really grateful for your feedback on how we organise and promote our events.

We're working to improve our internal planning, so we don't conflict with other major industry events or overlap with other ESO events. We're also looking at how we can better utilise our website events calendar to ensure you have sight of all the opportunities relevant to you, all in one place and promoted well in advance.

Please sign-up to our weekly newsletter, Plugged In, to receive regular updates on industry information, project progress and events: subscribe here.

We're also looking at how we host our events to make them as accessible as possible.

For example: we recently changed how we run our regular Markets Forums by trialling an online only event, with a recording available in advance to make the content more digestible and then a follow-up, live Q&A session to enable better discussion on the hot topics.

We had 259 people sign-up for the Q&A and around 158 views of the video ahead of the live event. Feedback from the live event about the format has been positive with people appreciating video format and Q&A session a week later. We're also holding another Markets Forum in person in May, which will also be livestreamed.

Cross-ESO: Virtual vs in-person attendance at ESO events

Feedback received:

Participants regularly provide feedback through the OTF that in-person only events are not inclusive. There is a view that all events should have a remote attendance option but this feedback isn't being taken on board by ESO.

ESO response:

The ESO is committed to engaging with industry in an inclusive way. Whilst ultimate decision making will remain with individual teams hosting events, there is now strong guidance in place that events should be widely accessible to customers. For example, hosted as virtual or hybrid events unless there is a clear customer need for an event to be in-person only.

Individual Comments

Survey Comment

2.1 The "regular content" sections are only interesting when things have happened which are unusual or unexpected. For example, if demand f'cast differs largely from out-turn that is interesting, but otherwise showing the min/max demand for the week is not that exciting.

2.2 Tends to be slide-reading rather than insight. The useful parts are not the forecast itself, but *why* the forecast says what it does

2.3 Useful to see what happened. Would like solar and wind stripped out so we see "real" demand.

ESO Response

We agree with the sentiment of this comment. We do call out anything usual that has happened across the week - for example unusual demand patterns over Christmas/football tournaments/royal events. We will start adding comments on the slides for those who are viewing the slides post event.

This slide is included to provide information for the week ahead and it is not clear to us how to apply this feedback directly. However, we have reviewed the slides and the data available to us ahead of the OTF and will consider whether there are items of interest we can include.

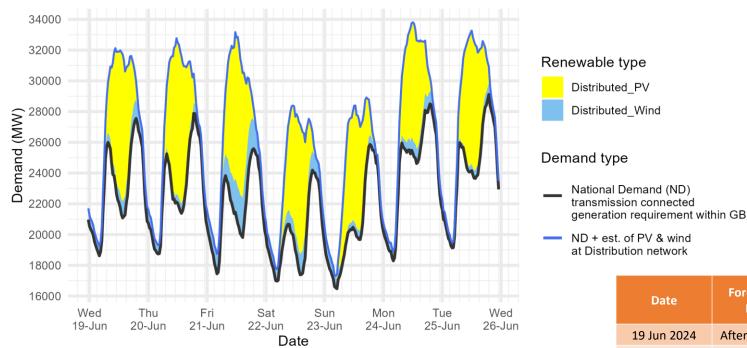
What is referred to here as the 'real' demand is already shown on by the black line on the graph. The contributions of embedded solar and wind are included to provide the more complete picture.

Next steps

- The full report will be published after today's OTF on the OTF website
- We will continue to implement improvements and schedule more deep dives as per the feedback
- We will conduct a short survey at the end of the year to see if these changes have improved the OTF experience

Demand | Last week demand out-turn





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

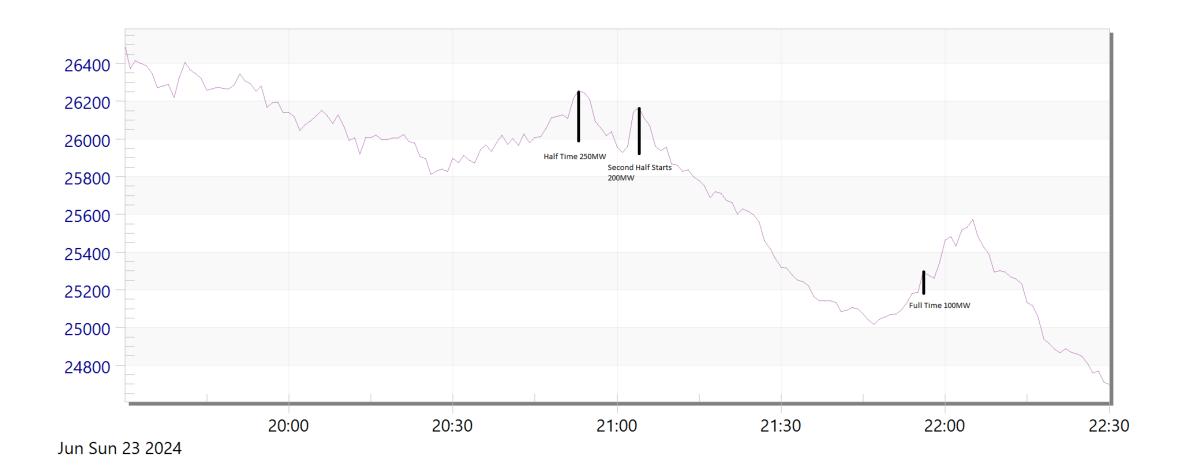
ND values do not include export on interconnectors or pumping or station load

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

Historic out-turn data can be found on the <u>ESO Data Portal</u> in the following data sets: Historic Demand Data & Demand Data Update

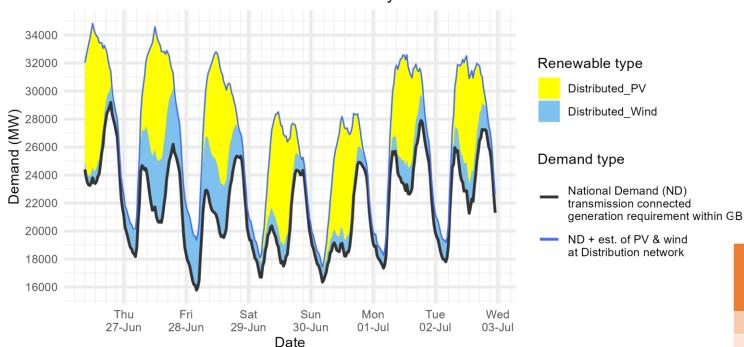
		FORECAST (Wed 19 Jun)			OUTTURN		
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
19 Jun 2024	Afternoon Min	20.7	1.1	9.5	21.1	1.1	9.6
20 Jun 2024	Overnight Min	18.7	0.6	0.0	18.7	0.6	0.0
20 Jun 2024	Afternoon Min	21.8	0.7	9.6	21.4	0.7	9.6
21 Jun 2024	Overnight Min	18.7	0.8	0.0	17.4	1.3	0.0
21 Jun 2024	Afternoon Min	21.0	2.3	6.1	19.8	2.6	8.1
22 Jun 2024	Overnight Min	17.4	0.9	0.0	17.0	0.7	0.0
22 Jun 2024	Afternoon Min	18.3	1.2	6.8	17.4	1.4	8.4
23 Jun 2024	Overnight Min	16.5	0.8	0.5	16.5	0.6	0.3
23 Jun 2024	Afternoon Min	17.7	0.8	8.4	19.7	0.6	7.2
24 Jun 2024	Overnight Min	18.1	0.6	0.0	18.3	0.6	0.0
24 Jun 2024	Afternoon Min	21.9	0.8	8.4	24.6	1.0	7.0
25 Jun 2024	Overnight Min	19.3	0.6	0.0	19.1	0.4	0.0
25 Jun 2024	Afternoon Min	23.0	0.9	7.1	23.7	0.6	8.1

Demand | EURO 2024: Scotland vs Hungary



Demand | Week Ahead





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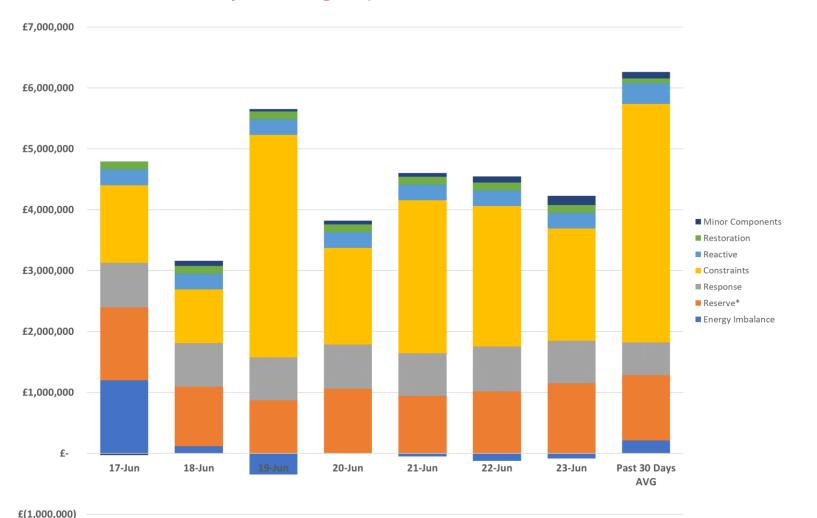
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		FORECAST (Wed 26 Jun)		
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
26 Jun 2024	Afternoon Min	23.4	0.9	9.8
27 Jun 2024	Overnight Min	18.2	1.8	0.2
27 Jun 2024	Afternoon Min	20.6	4.5	7.7
28 Jun 2024	Overnight Min	15.8	3.6	0.0
28 Jun 2024	Afternoon Min	19.5	3.7	7.4
29 Jun 2024	Overnight Min	16.7	1.2	0.5
29 Jun 2024	Afternoon Min	17.5	1.4	8.0
30 Jun 2024	Overnight Min	16.4	0.9	0.1
30 Jun 2024	Afternoon Min	18.2	1.2	7.9
01 Jul 2024	Overnight Min	17.3	0.9	0.0
01 Jul 2024	Afternoon Min	22.6	1.9	6.8
02 Jul 2024	Overnight Min	17.8	1.4	0.0
02 Jul 2024	Afternoon Min	21.2	2 1	7.6

Slido code #OTF

ESO Actions | Category costs breakdown for the last week



Date	Total (£m)
17/06/2024	4.8
18/06/2024	3.2
19/06/2024	5.3
20/06/2024	3.8
21/06/2024	4.5
22/06/2024	4.4
23/06/2024	4.1
Weekly Total	30.1
Previous Week	55.5

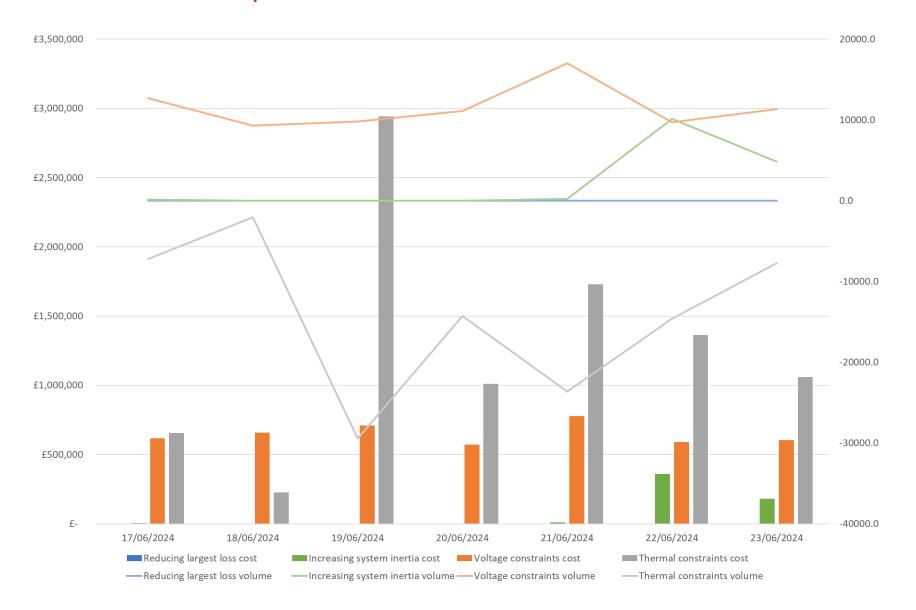
Constraints and Reserve costs were the key cost component for the week.

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

ESO Actions | Constraint Cost Breakdown



Thermal – network congestion

Actions were required to manage thermal constraints throughout the week.

Voltage

Intervention was required to manage voltage levels throughout the week.

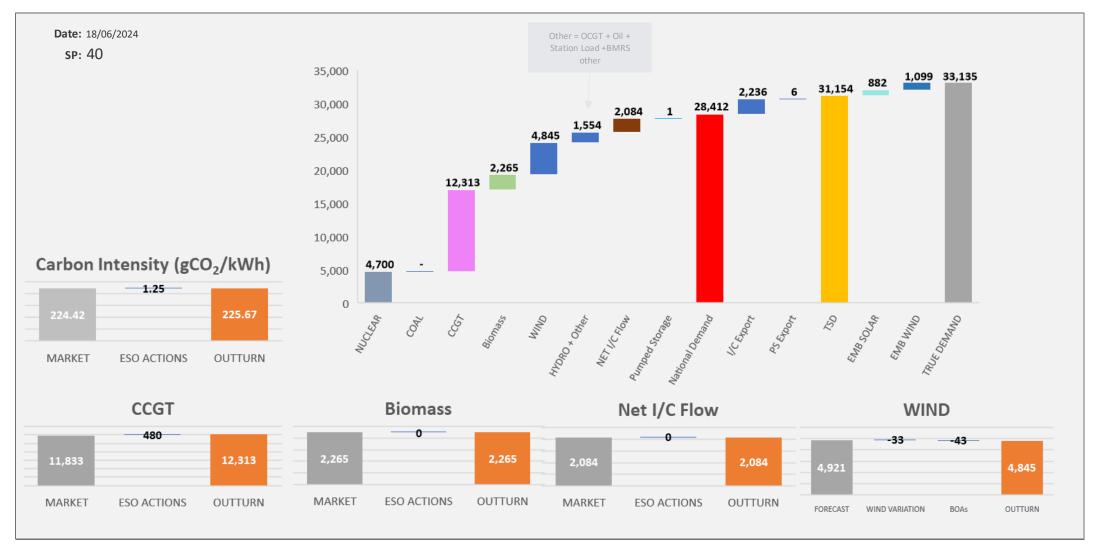
Managing largest loss for RoCoF

No intervention was required to manage largest loss.

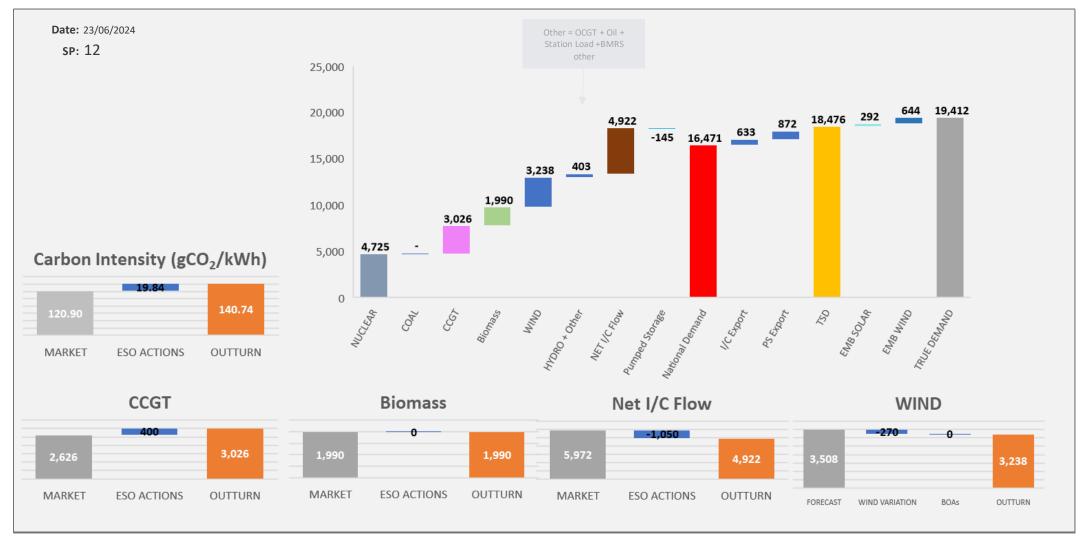
Increasing inertia

Intervention was required to manage System Inertia on Monday, Friday, Saturday and Sunday.

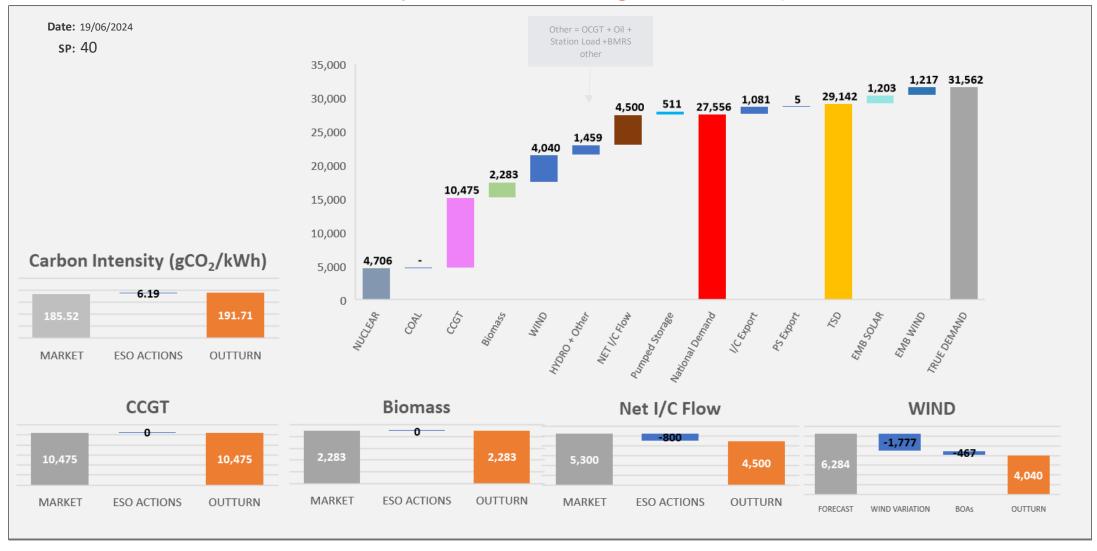
ESO Actions | Tuesday 18 June - Peak Demand - SP spend ~£25k



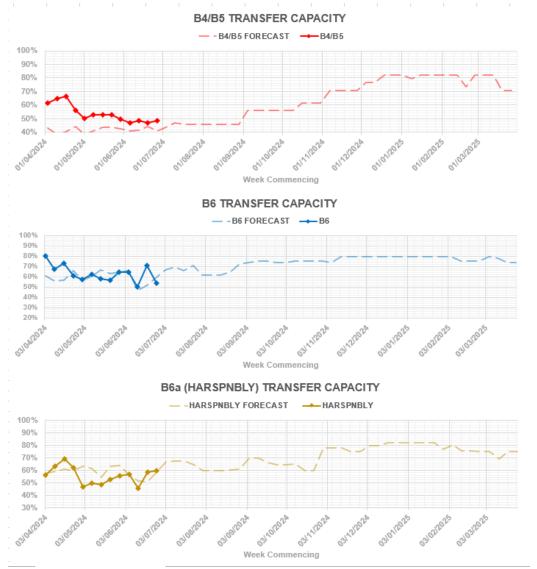
ESO Actions | Sunday 23 June - Minimum Demand - SP Spend ~£95k



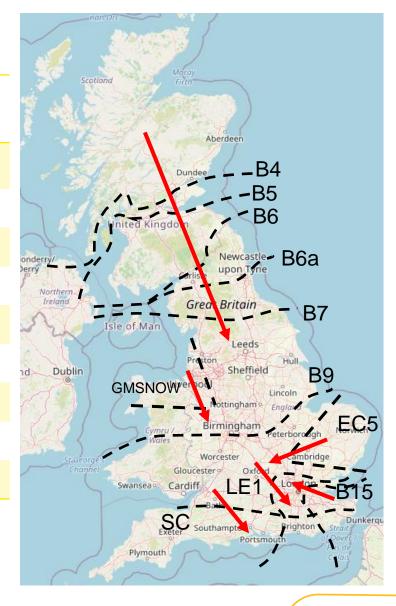
ESO Actions | Wednesday 19 June - Highest SP Spend ~£196k



Transparency | Network Congestion

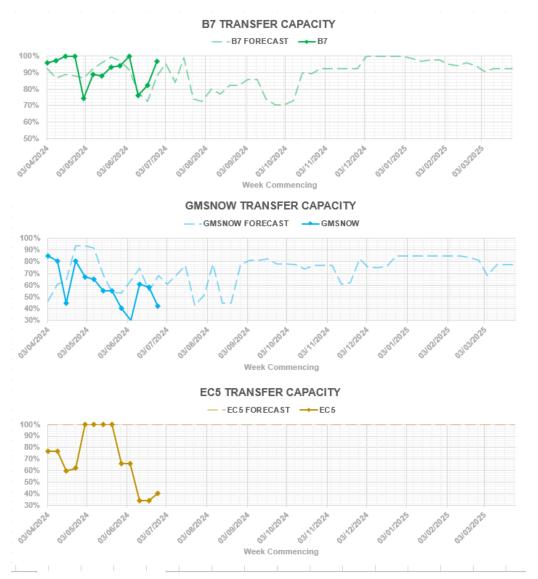


Max. Capacity (MW)	Current Capacity (%)
3400	49%
6800	54%
8000	59%
8325	97%
4700	43%
5000	40%
8500	68%
7500	79%
7300	100%
	Capacity (MW) 3400 6800 8000 8325 4700 5000 8500 7500

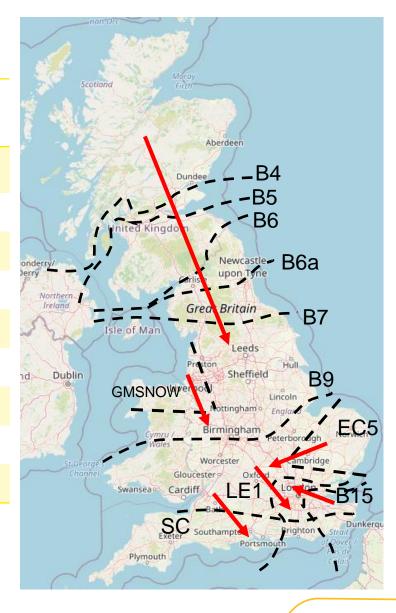


Day ahead flows and limits, and the 24-month constraint limit forecast are published on the ESO Data Portal: Constraints Management

Transparency | Network Congestion

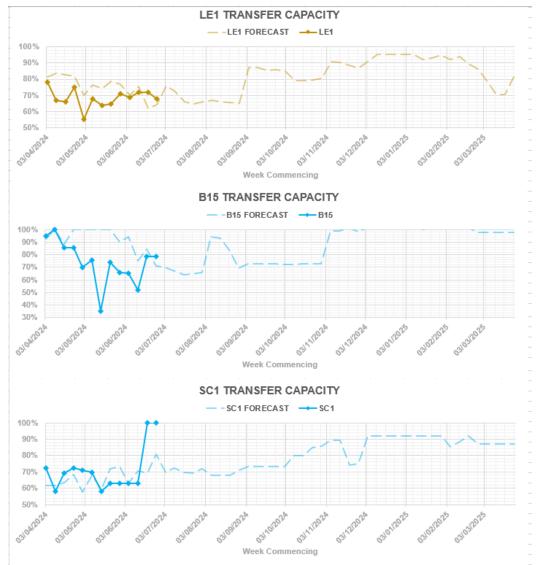


Boundary	Max. Capacity (MW)	Current Capacity (%)
B4/B5	3400	49%
B6 (SCOTEX)	6800	54%
HARSPNBLY	8000	59%
B7 (SSHARN)	8325	97%
GMSNOW	4700	43%
EC5	5000	40%
LE1 (SEIMP)	8500	68%
B15 (ESTEX)	7500	79%
SC	7300	100%

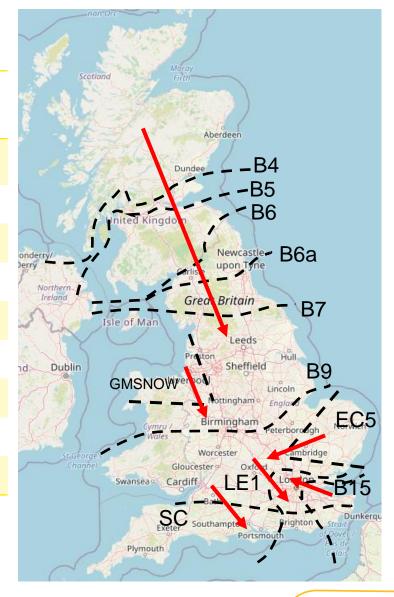


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Transparency | Network Congestion



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B7 (SSHARN)	8325	97%
GMSNOW	4700	43%
EC5	5000	40%
LE1 (SEIMP)	8500	68%
B15 (ESTEX)	7500	79%
SC	7300	100%



Previously asked questions

Q: Why has the platform for ancillary services been under maintenance 1-2 days every week for the last month? Surely this is not what Ofgem expects?

A: For the period 30th May 2024 to 24th June 2024 there were 6 planned outages, which were essential for technical upgrades to our systems.

Q: Do you have a timescale for how long the system constraint in the South-East will last?

A: We have outages ongoing through to beginning of November this year, we expect to see a similar constraint limit from week commencing 17th June 2024 until then.

Reminder about answering questions at the ESO 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 ESO) and we will not comment on these challenges. This type of concern can be reported to the Market Monitoring team at: marketreporting@nationalgrideso.com
- Questions will be answered in the upvoted order whenever possible. We will take questions from further down the list when: the answer is not ready; we need to take the question away or the topic is outside of the scope of the OTF.
- Slido will remain open until 12:00, even when the call closes earlier, to provide the maximum opportunity for you to ask questions.
- All questions will be recorded and published All questions asked through Sli.do will be recorded and published, with answers, in the Operational Transparency Forum Q&A on the webpage: https://www.nationalgrideso.com/what-we-do/electricity-national-control-centre/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 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

slido

Audience Q&A Session

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

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



Participation in the Operational Transparency Forum

Thank you to everyone who participates in the OTF, whether you join weekly, monthly, on specific occasions or follow up with the webinar recordings and published slides. We hear from participant feedback and our ESO colleagues that all of us value the opportunity to share information, ask questions and share the answers.

One of the reasons this format works so well is the professional courtesy we see demonstrated every week.

However, in recent weeks there have been some Slido questions and comments in the Q&A session directed at specific market participants suggesting their actions are not appropriate. This is concerning because:

- The statements are being made in a public forum without the opportunity to reply
- The negative comments may impact these businesses directly, or indirectly e.g.: through social media, etc.
- The individuals asking questions could not be traced using the details provided in Slido

The OTF is not the place to challenge the actions of individual parties (other than the ESO) and we will not comment on these challenges. This type of concern can be reported to the Market Monitoring team at: marketreporting@nationalgrideso.com

Remember, if you have reasons to remain anonymous to the wider forum, or have concerns your question may not be one to ask in public, you can use the advance questions or email options.

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 Slido 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: <u>Operational Transparency Forum | ESO (nationalgrideso.com)</u>
- 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

NESO Information Request Statement

The Energy Act 2023 and the power to request information.

Section 172 of The Energy Act 2023 provides NESO, as the Independent System Operator and Planner, with the power to require information, from anyone carrying out a relevant activity, to allow it to carry out any of its functions. This power will come into effect once NESO is operational.

In advance of this we are consulting on what the Information Request Statement will contain and what an Information Request issued by NESO may look like.

The Information Request Statement and Notice.

The Statement will be available on our website and will contain sections on why a request has been issued, the process of responding to a request, what happens if a recipient does not provide the information and how we will manage any data provided. A draft template of an Information Request Notice is also shared on our website.

The Consultation

We are running a consultation from **May 3rd to May 31st** which can be found at https://www.nationalgrideso.com/what-we-do/how-we-operate/information-request-statement-consultation and would welcome feedback from across industry to make sure we develop a statement which is clear and accessible.

Following the consultation period Ofgem will determine if the draft Statement is approved or if any changes are necessary.