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- Click 'Turn on live captions'

ESO Operational Transparency Forum 10 July 2024

Slido code #OTF

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: <u>https://forms.office.com/r/k0AEfKnai3</u>
- Ask questions anytime whether for inclusion in the forum or individual response at: box.NC.customer@nationalgrideso.com

Stay up to date on our webpage: https://www.nationalgrideso.com/OTF (OTF Q&A is published with slidepacks)

Future deep dive / focus topics

<u>Today</u>

Future

Pathfinders – 24th July

Fault Ride Through – 31st July

Mandatory services – TBC

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

Whistleblower Guidance – Ofgem

The theme of whistleblowing has come up in recent OTF Q&A sessions, and as a result we are providing some information and signposts for industry colleagues.

- Whistleblowing can sometimes be done within an organisation if such procedures are in place, however, some whistleblowers may not be comfortable doing this.
- Should someone in the energy industry wish to whistleblow externally there are prescribed bodies that they can use <u>Whistleblowing: list of prescribed people and bodies - GOV.UK (www.gov.uk)</u>.
- Ofgem is the prescribed body for anything regarding:
 - the generation, transmission, distribution, and supply of electricity,
 - the transportation, shipping, and supply of gas through pipes,
 - smart meter communication service and ancillary activities,
 - the renewable generation of heat or;
 - any other activities in relation to Ofgem's functions.
- Further details and guidance can be found on the Ofgem website. Please visit <u>Whistleblowing for energy sector</u> <u>employees | Ofgem</u> and <u>Guidance on Whistleblowing to Ofgem | Ofgem</u>.
- If whistleblowers want to discuss anything before making a disclosure, Ofgem's guidance provides details of Protect, who offer free, independent legal advice.

Market Monitoring

If there are any concerns about ESO behaviour or market participant behaviour, individuals can confidentially contact our Market Monitoring team on <u>marketreporting@nationalgrideso.com</u>, and they will investigate it against the principles of REMIT or other relevant licences and codes using all of the data that ESO has available.

They commit to investigate every case reported confidentially inclusive of any reports regarding ESO behaviour and have internal ringfencing of report details and status of an investigation from the wider business.

The status of an investigation under REMIT is considered protected information so we will not provide you with clarity on if what you have shared is a potential breach and therefore reported to OFGEM but we will as far as possible outline the market rules we intend to test and general principles for this type of incident.

Slido code #OTF

Scheduling & Dispatch Options Webinar July 17th 1pm-4.30pm

Since our previous engagement on 21 May 2024 on the 'Case for Change' to Scheduling & Dispatch, we have been working with DESNZ and Ofgem as part of the Review of Electricity Market Arrangements (REMA) programme to develop options for reforming dispatch arrangements.

Please join us for a webinar on Wednesday 17 July 2024 between 1pm and 4:30pm, where we will share more detail about the process for establishing these different dispatch options and outline the models for discussion.

During the webinar, we will be hosting virtual breakout sessions on each of the key dispatch models we have identified where we would really appreciate your feedback. We will also hold a Q&A session at the end of the presentation for any questions that you may have.

To keep number of breakout groups manageable by the team, we would sincerely appreciate if we could keep registrations to one person per organisation.

Register here

If you have any questions, please contact us at: <u>box.Market.Strategy@nationalgrideso.com</u>



Future Event Summary

Event	Date & Time	Link
Quick Reserve Phase 1 Consultation	27 th June – 29 th July 2024	More information here
Scheduling & Dispatch Options Webinar	17 th July 13:00-16:30	
Enhancing Energy Storage in the BM	24 th July 2024, 13:00-14:30	Click here to register

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	Test Date (2024)	Testing happening	Status
Scottish Power Distribution (SPD)	9 th July	Stage 1 & 2	Complete
SP Manweb plc	9 th July	Stage 1 & 2	Complete
Eastern Power Networks plc (UKPN)	11 th July	Stage 1	Planned for tomorrow
London Power Networks plc (UKPN)	11 th July	Stage 1	Planned for tomorrow
South Eastern Power Networks plc (UKPN)	11 th July	Stage 1	Planned for tomorrow
National Grid Electricity Distribution (South Wales) plc	16 th July	Stage 1 & 2	Planned for next week
National Grid Electricity Distribution (South West) plc	16 th July	Stage 1 & 2	Planned for next week
National Grid Electricity Distribution (West Midlands) plc	16 th July	Stage 1 & 2	Planned for next week
National Grid Electricity Distribution (East Midlands) plc	16 th July	Stage 1 & 2	Planned for next week
Northern Powergrid (Northeast) Limited (NPG)	30 th July	Stage 1 & 2	
Northern Powergrid (Yorkshire) plc (NPG)	30 th July	Stage 1 & 2	
Scottish Hydro Electric Power Distribution plc	30 th July	Stage 1 & 2	
Electricity North West Limited (ENW)	31 st July	Stage 1	
Southern Electric Power Distribution plc (SSE)	31 st July	Stage 1 & 2	

Slido code #OTF

Demand | Last week demand out-turn

ESO National Demand outturn 03-09 July 2024 34000 32000 Renewable type 30000 Distributed PV Occupation (MM) 26000 24000 24000 22000 Distributed_Wind Demand type National Demand (ND) transmission connected generation requirement within GB 20000 ND + est. of PV & wind at Distribution network 18000 16000 Sun Wed Thu Fri Sat Mon Tue Wed 07-Jul 03-Jul 04-Jul 05-Jul 06-Jul 08-Jul 09-Jul 10-Jul Date

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.

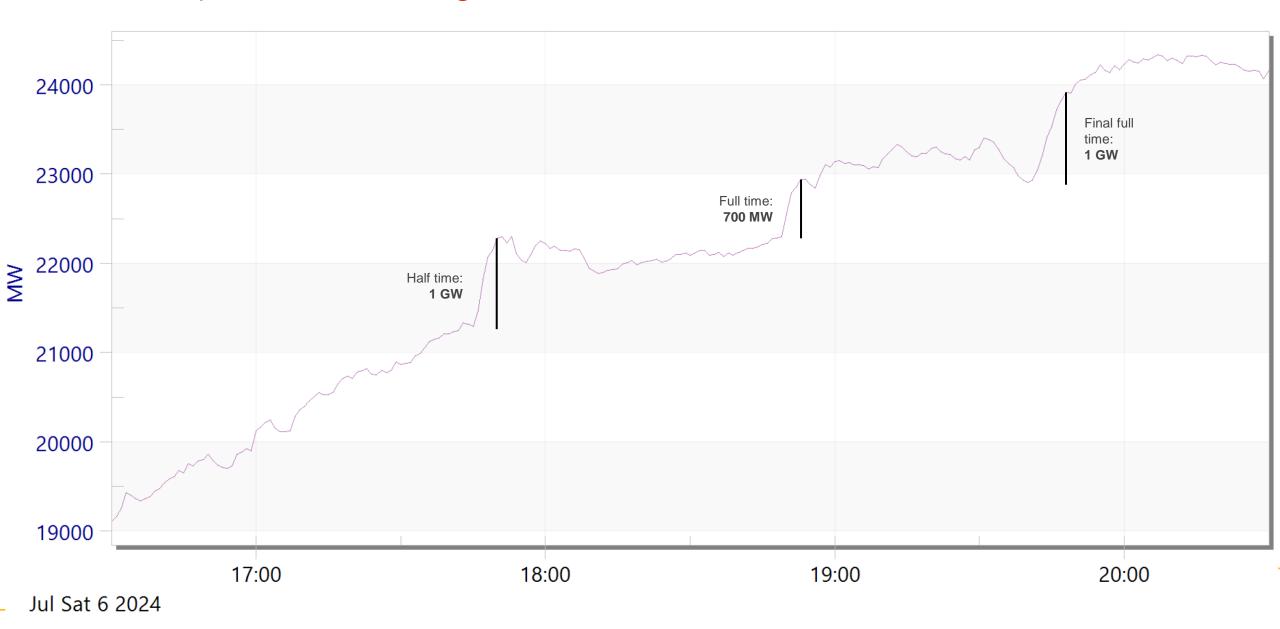
Historic out-turn data can be found on the ESO Data Portal in the following data sets: Historic Demand Data & Demand Data Update

	FORECAST (Wed 03 Jul) OUTTORN			FORECAST (Wed 03 Jul)			
	Forecasting	National	Dist.	Dist.	National	Dist.	Dist.
Date	Point	Demand	wind	PV	Demand	wind	PV
	Point	(GW)	(GW)	(GW)	(GW)	(GW)	(GW)
03 Jul 2024	Afternoon Min	24.8	2.7	4.3	25.1	2.8	4.2
04 Jul 2024	Overnight Min	16.6	2.6	0.0	16.5	2.9	0.0
04 Jul 2024	Afternoon Min	17.7	4.7	8.0	18.5	4.8	8.4
05 Jul 2024	Overnight Min	17.2	2.3	0.0	17.0	2.2	0.0
05 Jul 2024	Afternoon Min	24.6	2.0	3.6	22.4	1.8	7.0
06 Jul 2024	Overnight Min	16.7	1.8	0.0	17.6	1.0	0.1
06 Jul 2024	Afternoon Min	14.8	2.9	8.5	17.7	2.6	7.0
07 Jul 2024	Overnight Min	16.3	0.9	0.4	16.5	0.9	0.3
07 Jul 2024	Afternoon Min	19.1	1.1	7.2	19.7	1.0	8.2
08 Jul 2024	Overnight Min	17.8	0.7	0.0	17.8	0.4	0.0
08 Jul 2024	Afternoon Min	24.1	1.4	5.5	25.3	0.7	5.2
09 Jul 2024	Overnight Min	17.9	1.0	0.0	17.8	1.7	0.0
09 Jul 2024	Afternoon Min	22.7	1.5	6.6	27.3	2.3	3.0

EORECAST (Med 03 Jul)

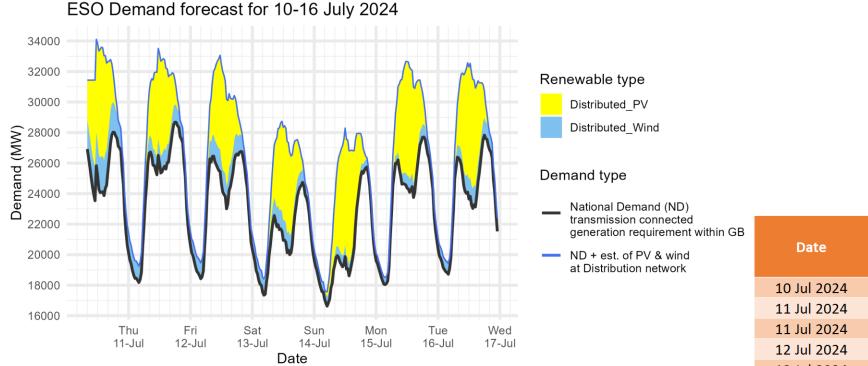
Slido code #OTF

Demand | EURO 2024: England vs Switzerland



Slido code #OTF

Demand | Week Ahead



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

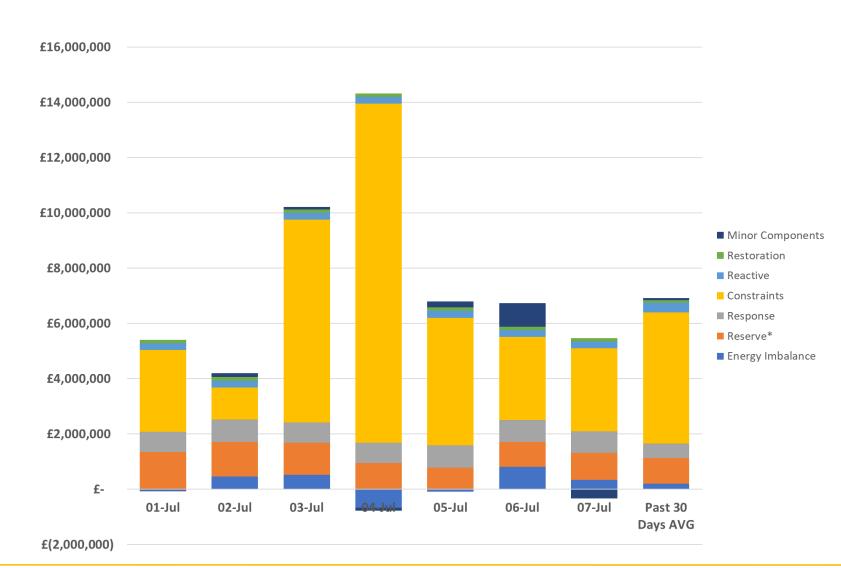
Blue line serves as a proxy for total GB customer demand. It includes demand supplied by the distributed wind and solar sources, but it <u>does not include</u> demand supplied by non-weather driven sources at the distributed network for which ESO has no real time data.

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

			FORECAST (Wed 10 Jul)		
GB	Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
	10 Jul 2024	Afternoon Min	23.9	2.3	6.8
	11 Jul 2024	Overnight Min	18.2	1.1	0.0
	11 Jul 2024	Afternoon Min	25.3	1.1	6.2
	12 Jul 2024	Overnight Min	18.4	1.0	0.0
	12 Jul 2024	Afternoon Min	23.0	1.5	5.7
t is	13 Jul 2024	Overnight Min	17.3	1.0	0.1
	13 Jul 2024	Afternoon Min	20.0	1.3	5.4
	14 Jul 2024	Overnight Min	16.6	0.6	0.3
	14 Jul 2024	Afternoon Min	18.6	0.8	7.4
	15 Jul 2024	Overnight Min	18.0	0.5	0.0
/en	15 Jul 2024	Afternoon Min	23.7	0.9	6.3
	16 Jul 2024	Overnight Min	18.7	0.7	0.0
	16 Jul 2024	Afternoon Min	23.0	1.3	7.2

Slido code #OTF

ESO Actions | Category costs breakdown for the last week



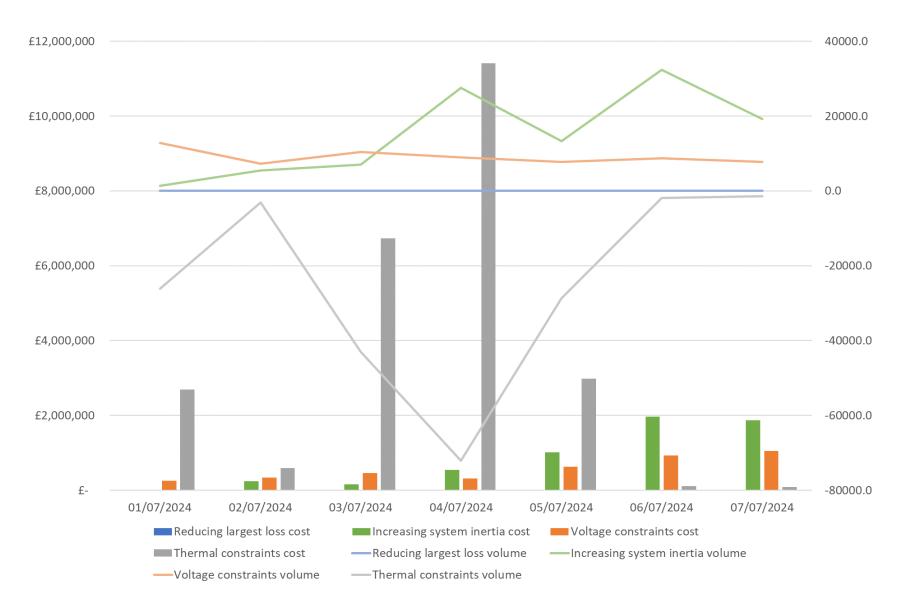
Date	Total (£m)
01/07/2024	5.3
02/07/2024	4.2
03/07/2024	10.2
04/07/2024	13.6
05/07/2024	6.7
06/07/2024	6.7
07/07/2024	5.1
Weekly Total	51.9
Previous Week	51.5

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 Actions | Constraint Cost Breakdown



Slido code #OTF

Thermal – network congestion

Actions were required to manage thermal constraints throughout the week.

Voltage

Intervention was required to manage voltage levels throughout the week.

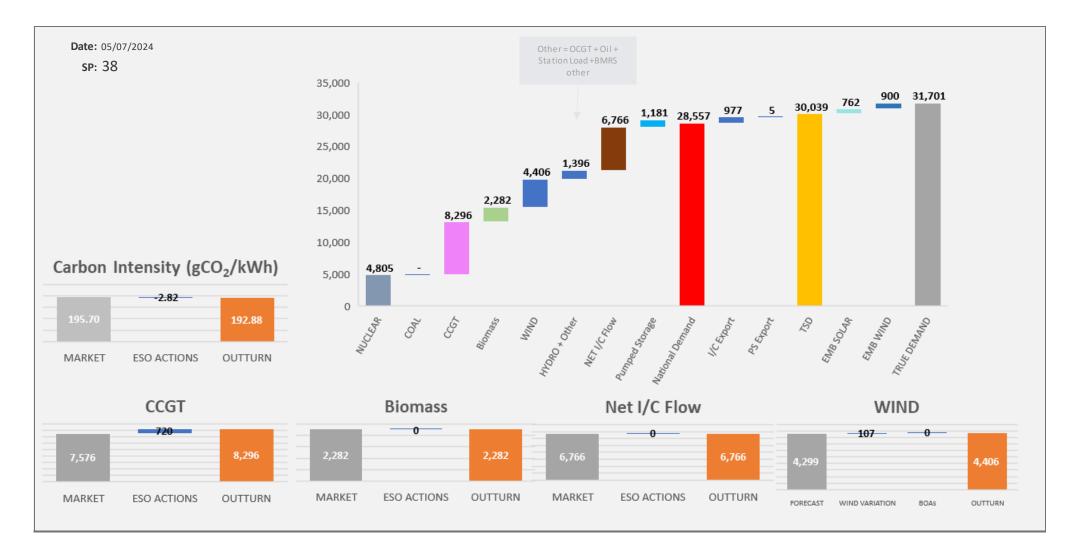
Managing largest loss for RoCoF

No intervention was required to manage largest loss.

Increasing inertia

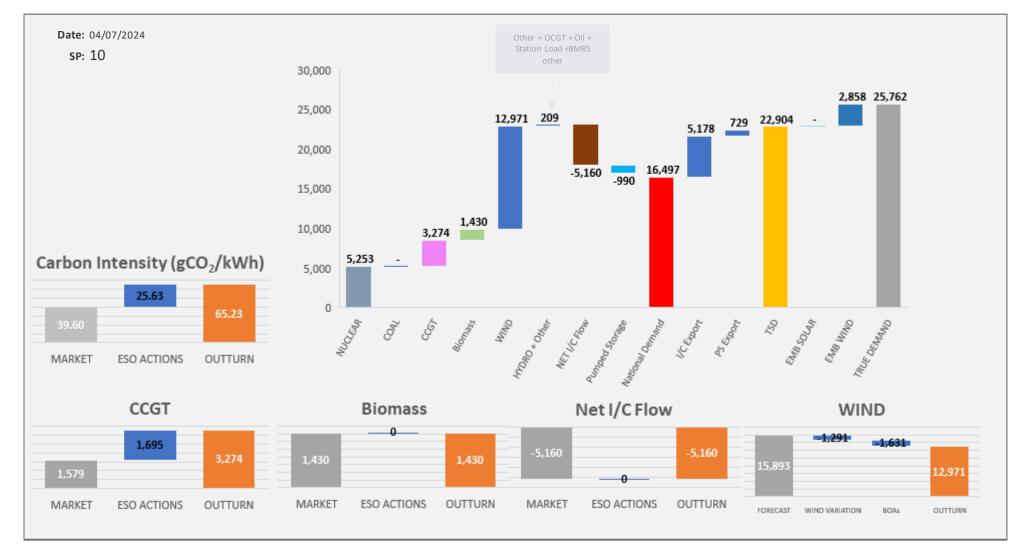
Intervention was required to manage System Inertia throughout the week.

ESO Actions | Friday 5 July – Peak Demand – SP spend ~£13k

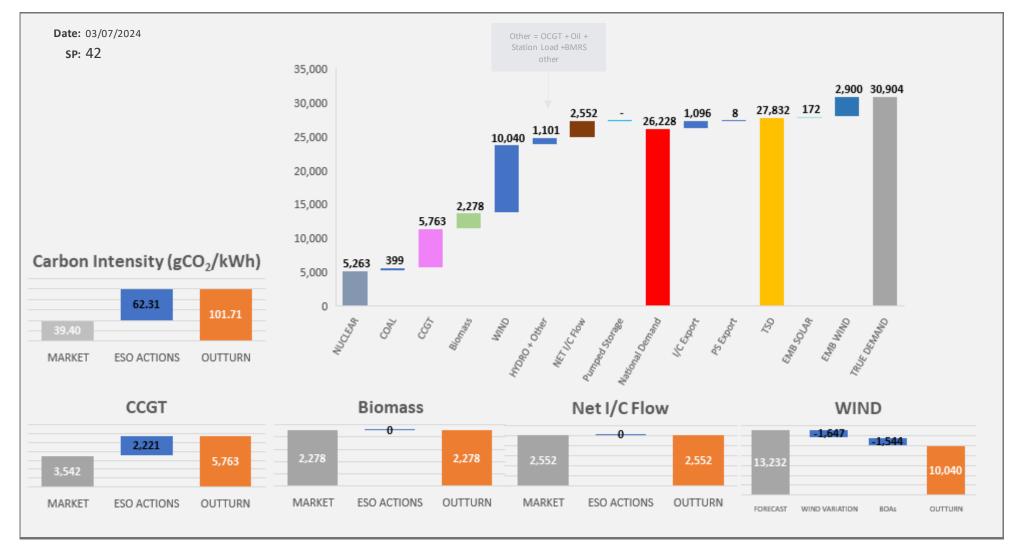


Slido code #OTF

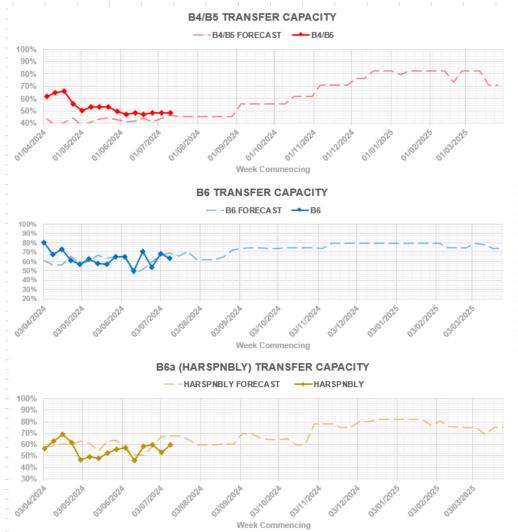
ESO Actions | Thursday 4 July – Minimum Demand – SP Spend ~£287k



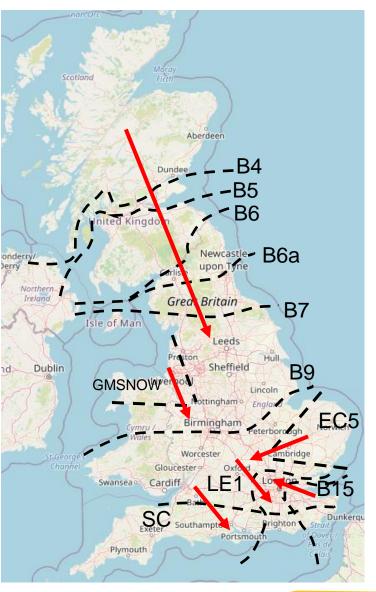
ESO Actions | Wednesday 3 July – Highest SP Spend ~£464k



Transparency | Network Congestion



Boundary	Max. Capacity (MW)	Current Capacity (%)
B4/B5	3400	49%
B6 (SCOTEX)	6800	63%
HARSPNBLY	8000	60%
B7 (SSHARN)	8325	94%
GMSNOW	4700	52%
EC5	5000	48%
LE1 (SEIMP)	8500	69%
B15 (ESTEX)	7500	59%
SC	7300	100%

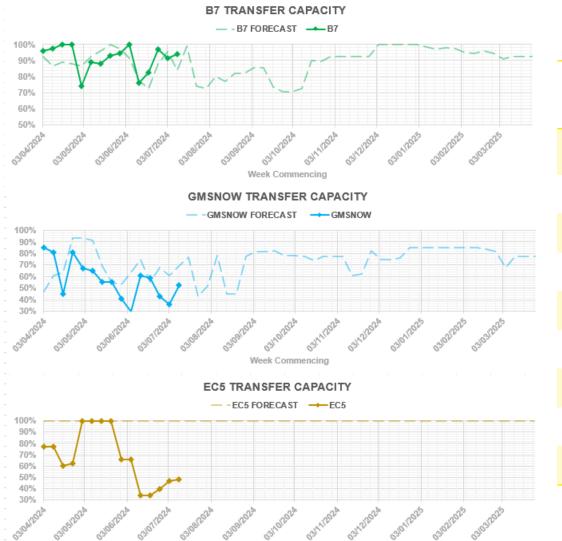


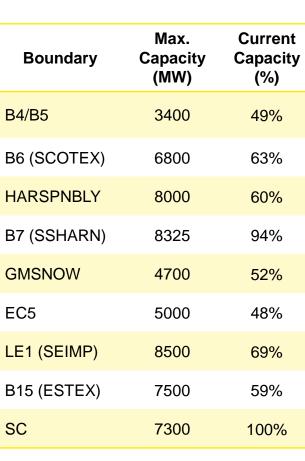
Day ahead flows and limits, and the 24-month constraint limit forecast are published on the ESO Data Portal: Constraints Management

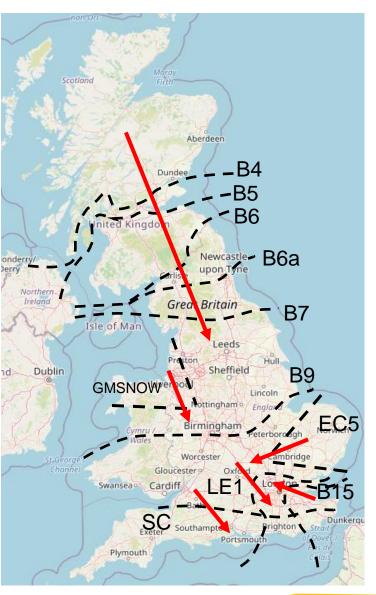
(The forecast and day ahead limits may vary due to changes in the outage plan. The plan is reviewed periodically throughout the year to ensure we are optimising system conditions, whilst managing any necessary outage plan changes)

ESO

Transparency | Network Congestion





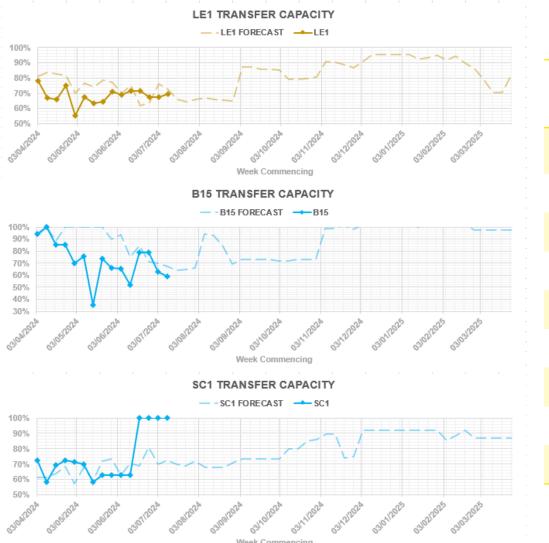


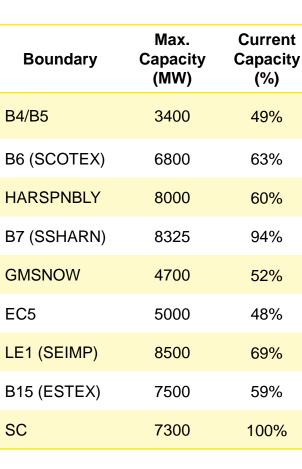
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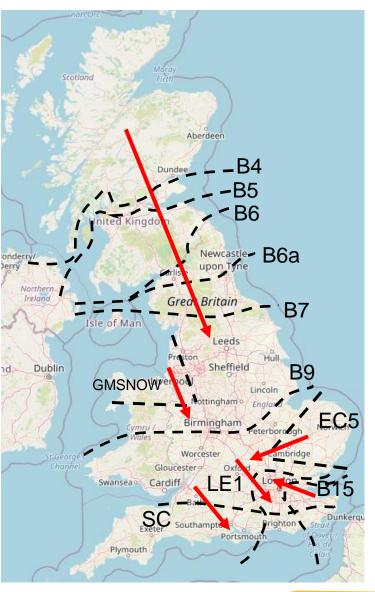
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Slido code #OTF

Transparency | Network Congestion







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(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)

ESO

Previously asked questions

Q: Good morning, we are seeing a lot of TSO-TSO activity on the MOYLE priced at 0 GBP in GB (SO-flagged). Is 0 GBP the correct price? Or should we expect this price to be revised in future? It's not 0 in IE.

Q: We are seeing a lot of BSAD volume on the MOYLE interconnector priced at 0 GBP, but this doesn't appear to be NGESO forward trades - are these prices correct, if not, what/where are the correct prices? Thank you

Q: R.E. CTPT: If you include the trades at £0 (System Flagged or not) this will affect net ESO position and hence cash out prices. The ESO does not take a position from these trades and so they should not feed into the stack. Can these volumes be moved out of NIV?

A: As answered in the slides (OTF 3/7/2024), we were investigating a potential error in the data being sent to BSAD as no SO-SO trades directly involving ESO had been done with Moyle.

UPDATE – ESO can confirm that we are reporting the data correctly in BSAD. We are awaiting final confirmation that the £0 is not affecting the cashout price and will feedback to the OTF ASAP.

Slido code #OTF

Previously asked questions

Q: We saw dynamic moderation volume requirements increase from the 15th June - what's the reason for this?

A: We regularly review our holding of response services to ensure that we are meeting security standards and appropriately mitigating risks while ensure value for consumers, as part of this we have made a small increase to our procurement targets for DM.

The increased response helps managing the frequency deviation. The increased requirement on DM-L and DM-H since 15 June was introduced following a recent review on frequency performance. The change also helps reduce response costs and provide an extra layer of safety assurance when system is running at a reduced inertia level.

Q: Noting you were happy to discuss specific units if the information was in the public domain - The 2 Severn Power units have been sat spare in the BM priced at £99,999 for a bit of time now. Would you expect them to be MEL'd of rather than priced at this level?

A: Economic unavailability can be indicated via price, an offer price £99,999 is a means of doing this, removing the unit from the BM stack entirely. Technical availability should be expressed through MEL per the definitions in Grid Code accompanied by appropriate REMIT where applicable. Where a unit is technically available but unable to participate in the BM this would be an expected data format. If you have any specific issues with specific units data please contact <u>MarketReporting@nationalgrideso.com</u> and we will commit to investigating.

Slido code #OTF

Slido code #OTF

Advanced questions

Q: The MBSS report seems to be getting later and later. It is 8 July and May's report is not published. Is there a reason for the delay or is simply prioritisation?

A: The timing for publication of the MBSS is reliant upon the availability of Settlement data for each whole month. This is normally made available at the end of the following month. We then combine this with data from other sources to produce the completed MBSS.

We commit to publishing the MBSS by the 15th working day of the month after receiving the Settlement data but we are generally able to publish it within the first week of the month. This means the May report should be published by 19th July.

Q: Hi, on 2nd of July at 06:14:53 UTC an outage of IFA2 interconnector had been reported. Several revisions of the outage followed. JAO was still offering transmission rights and RNP offering the nominations of those rights as usual. Point to mention is that RNP was showing NTC at 0MW for day ahead while accepting nominations from market participants. ENTSOE values confirmed day ahead values scheduled. Some hours in intraday had also capacity offered and could be nominated. Is it possible to offer day ahead right while the interconnector is reported out? Also, how does it work on both national grid and RTE side when a trip of an interconnector happens at day ahead stage?

A: Please contact the interconnector owner as the party responsible for declaring outages and selling capacity.

Q: Would you be able to clarify the difference(s) between firm and optional Quick Reserve? Thanks very much!

We are still working on a response to this question.

Outstanding questions

Q: On the topic of the high level of outages of ESO dispatch systems (PAS ASDP for fast reserve) over recent weeks, are the estimated costs to customers of ESO system outages tracked? This could feed into a business case for the ESO for designing/maintaining systems with less down time.

Slido code #OTF

Slido code #OTF

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: <u>marketreporting@nationalgrideso.com</u>
- 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



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 <u>box.NC.Customer@nationalgrideso.com</u>
- 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 <u>https://www.nationalgrideso.com/what-we-do/how-we-operate/information-request-statement-consultation</u> 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.

Slido code #OTF