

A landscape photograph featuring snow-capped mountains in the background and a valley in the foreground. Several bright, glowing yellow light trails curve across the valley floor, suggesting a long-exposure shot of a road or a path. The sky is filled with dramatic, golden-hued clouds, indicating a sunrise or sunset.

ESO Operational Transparency Forum

19 October 2022

You have been joined in listen only mode with
your camera turned off

Introduction | Sli.do code #OTF

Please visit www.sli.do and enter the code #OTF to ask questions & provide us with post event feedback.

We will answer as many questions as possible at the end of the session. We may have to take away some questions and provide feedback from our expert colleagues in these areas during a future forum. **Ask your questions early in the session to give more opportunity to pull together the right people for responses.**

To tailor our forum and topics further we have asked for names (or organisations, or industry sector) against Sli.do questions. If you do not feel able to ask a question in this way please use the email: box.NC.Customer@nationalgrideso.com

These slides, event recordings and further information about the webinars can be found at the following location:

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

Regular Topics

- System events
- Demand review
- Costs for last week
- Constraints
- Questions from last week

Sign posts:

- Demand Flexibility Service
- Dispatch Transparency ("Skip Rate") Event - Delayed
- Firm Regulating Reserve webinar

Transparency Forum Changes

From the 2nd of November your current calendar invite will stop working.

If you have downloaded this from the website please delete this and register using the following link

<https://subscribers.nationalgrid.co.uk/h/d/2A778732FDAC77ED>

After 2nd November, everyone registered on this list will receive a direct calendar invitation allowing us to manage event changes more appropriately and keep you updated on event status. Only those registered will be able to join the event but it will remain open to everybody to register, please use business rather than personal emails for registration.

Please send us questions in advance

Today we are trialling the use of advance questions: <https://forms.office.com/r/k0AEfKnai3>

In order to ensure we effectively respond on any topic please submit questions by 12:00 on Monday 24th for priority, we will endeavour to answer all questions but may still need to take some responses away.

Sli.do will still continue to be used for live Q&A following the weekly slides being presented

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

Advance Questions



Future deep dive/ response topics

Coming soon:

Deep dive into ESO BM actions on 1 October (high renewables, weekend demand) - **02 November 2022**

Items we have taken away and will come back to this forum on in the future

REMIT obligations on ESO

Feedback welcomed on our proposed deep dive topics

Demand Flexibility Service Update

- On 1 September we launched a consultation on a new Demand Flexibility Service. The full consultation on terms and conditions for the service can be found on our website [EBR Article 18 Demand Flexibility Terms and Conditions | National Grid ESO](#)
- **The consultation closed on Monday 3 October** and we had 20 responses from across industry.
- On **Friday 14 October** we submitted all the proposed changes to the DFS Service Terms and related documentation, alongside a summary of the Consultation Responses and our commentary to Ofgem for review
- **Tomorrow** we will publish the key changes we have made as part of the consultation based on Stakeholder Feedback as well as an update on our requirements and Guaranteed Acceptance Price (GAP). You will be able to view this on our website:

<https://www.nationalgrideso.com/industry-information/balancing-services/demand-flexibility>

If you would like to speak to the Demand Flexibility Service team or if you would like to be included on our mailing list, please email

DemandFlexibility@nationalgrideso.com

Dispatch Transparency ("Skip Rate") Event – Delayed

Due to a number of events clashing we've made the decision to further postpone the skip rate event.

We will let you know about new date in the near future.

Thank you for your understanding.

Balancing Reserve* Webinar – Thursday 20 October

We are hosting a webinar to provide further information on our plans to procure **Regulating Reserve** in a firm capacity at day ahead (*provisionally we are proposing to call this product Balancing Reserve, it has been called Firm Regulating Reserve in past slides).

This follows on from a brief presentation at our Autumn Markets Forum event.

Agenda:

- Service Design
- Timeline
- Next steps
- Q&A

The webinar will take place over teams, please follow the link to join.

Key information

Date: Thursday 20 October

Venue: Teams

Time: 11:00 – 12:30

Link::

[Link here](#)

Click to join the webinar

System Events

17th October

At 22:44 the system frequency increased to 50.303Hz and returned to operational limits by 22:49

This was as a result of Interconnector fault while exporting 1029MW.

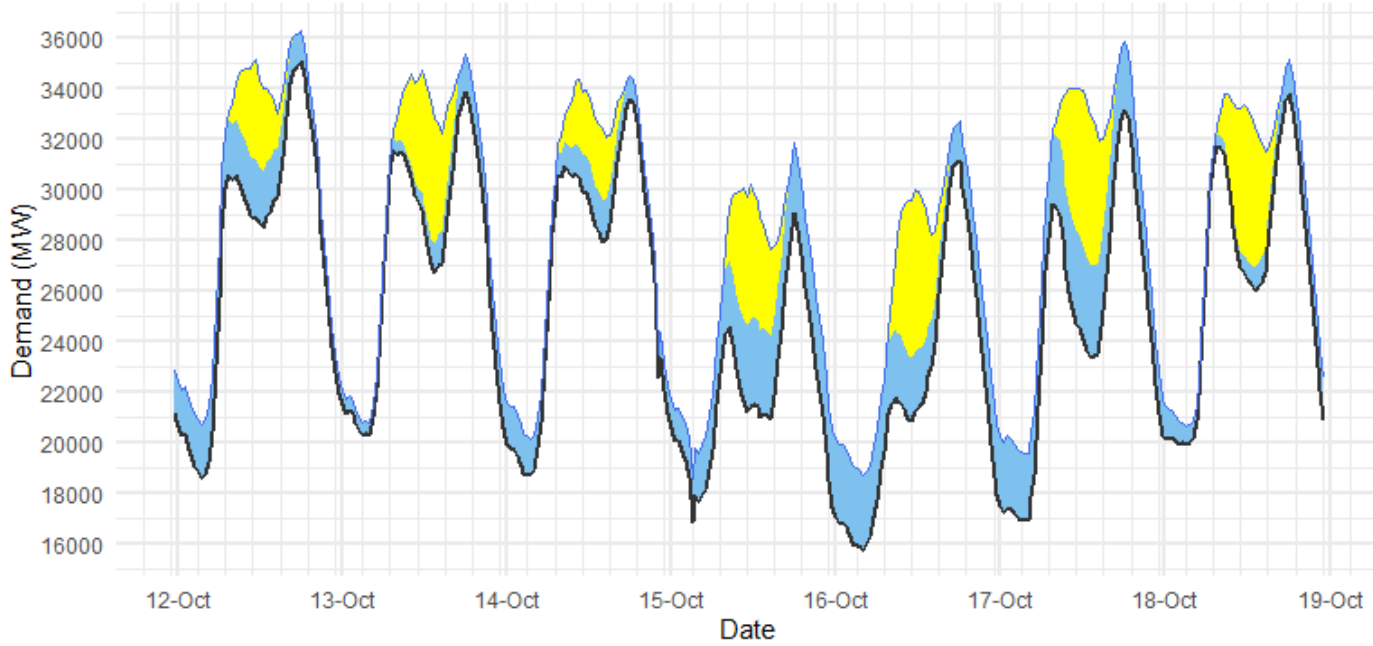
Winter Contingency Service (coal)

In accordance with the contingency service contract terms, there will be proving runs undertaken for contracted plant. We are finalising details of these initial proving runs which will be confirmed shortly.

For the avoidance of doubt, where NGENSO instructs any contracted unit, either for initial proving runs or service instructions, across all three contracted sites (EDF, Drax and Uniper) NGENSO will inform the market by issuing a 'market message' via the BMRS.

Demand | Last week demand out-turn

ESO National Demand outturn 12-18 October 2022



Demand type

- National Demand (ND)
transmission connected
generation requirement within GB
- ND + est. of PV & wind
at Distribution network

Renewable type

- Distributed_PV
- Distributed_Wind

Date	Forecasting Point	FORECAST (Wed 12 Oct)		OUTTURN	
		National Demand (GW)	Dist. wind (GW)	National Demand (GW)	Dist. wind (GW)
12 Oct 2022	Evening Peak	34.7	1.1	35.1	1.2
13 Oct 2022	Overnight Min	20.4	0.5	20.3	0.5
13 Oct 2022	Evening Peak	34.1	1.6	33.9	1.5
14 Oct 2022	Overnight Min	18.3	2.2	18.7	1.4
14 Oct 2022	Evening Peak	32.7	1.8	33.6	0.9
15 Oct 2022	Overnight Min	17.7	1.9	16.9	1.7
15 Oct 2022	Evening Peak	30.0	2.4	29.1	2.8
16 Oct 2022	Overnight Min	16.6	2.2	15.8	2.9
16 Oct 2022	Evening Peak	31.2	2.0	31.2	1.6
17 Oct 2022	Overnight Min	18.2	1.6	17.0	2.6
17 Oct 2022	Evening Peak	35.1	1.6	33.2	2.7
18 Oct 2022	Overnight Min	19.6	1.2	19.9	0.9
18 Oct 2022	Evening Peak	35.7	1.0	33.8	1.4

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

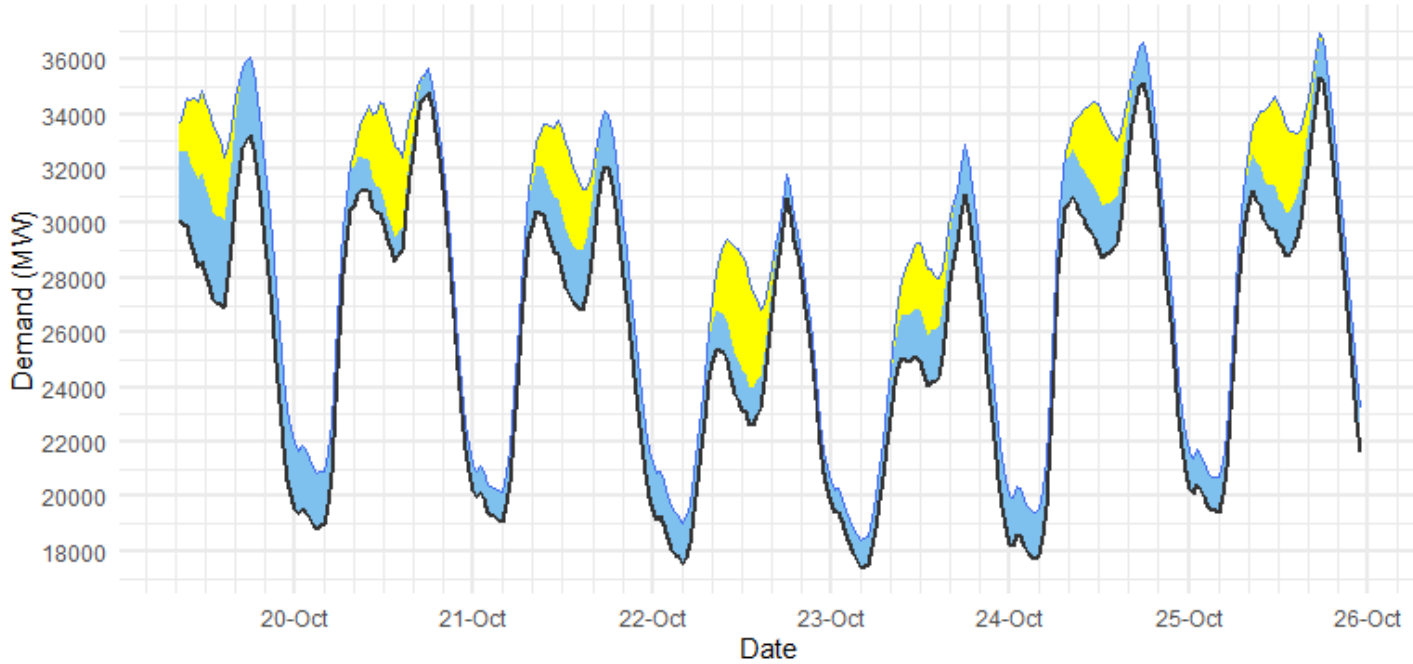
ND values **do not include** export on interconnectors or pumping or station load

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](#)

Demand | Week Ahead

ESO Demand forecast for 19-25 October 2022



Demand type

- National Demand (ND) transmission connected generation requirement within GB
- ND + est. of PV & wind at Distribution network

Renewable type

- Distributed_PV
- Distributed_Wind

		FORECAST (Wed 19 Oct)	
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)
19 Oct 2022	Evening Peak	33.2	2.9
20 Oct 2022	Overnight Min	18.8	2.1
20 Oct 2022	Evening Peak	34.8	0.8
21 Oct 2022	Overnight Min	19.0	1.1
21 Oct 2022	Evening Peak	32.1	2.0
22 Oct 2022	Overnight Min	17.5	1.5
22 Oct 2022	Evening Peak	30.9	0.9
23 Oct 2022	Overnight Min	17.4	1.0
23 Oct 2022	Evening Peak	31.0	1.9
24 Oct 2022	Overnight Min	17.7	1.7
24 Oct 2022	Evening Peak	35.1	1.5
25 Oct 2022	Overnight Min	19.5	1.2
25 Oct 2022	Evening Peak	35.3	1.5

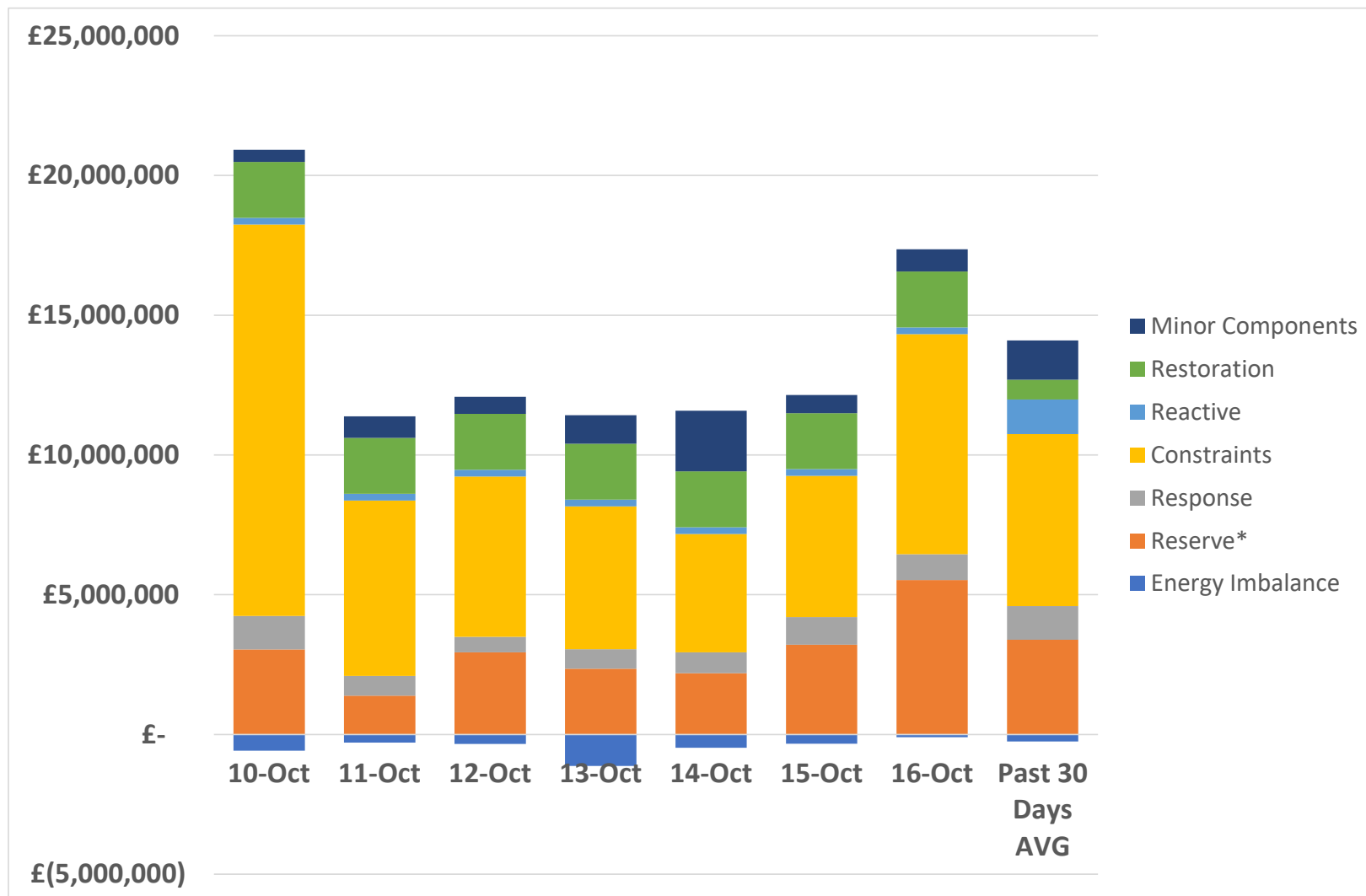
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ESO Actions | Category costs breakdown for the last week

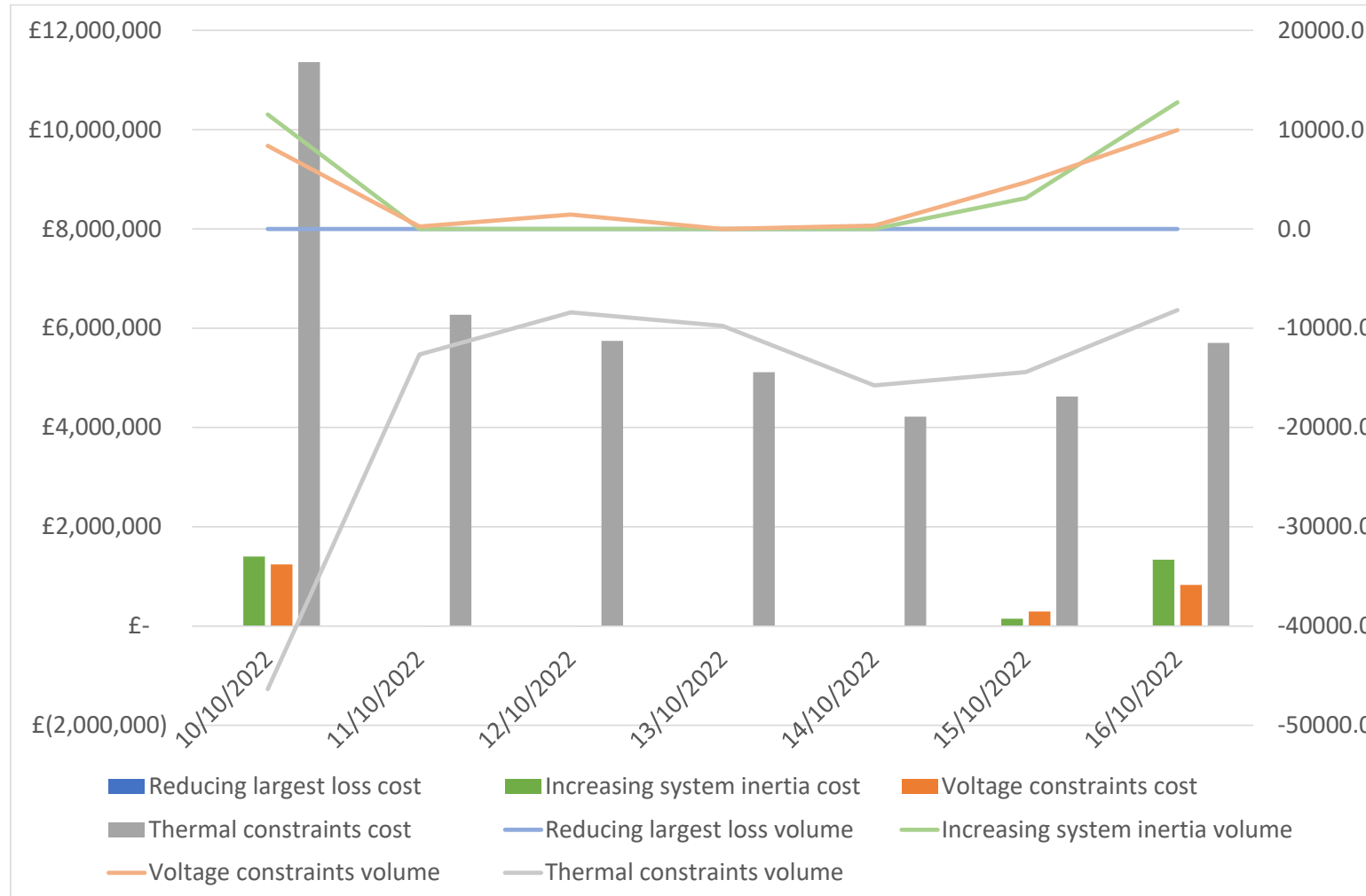


Date	Total (£m)
10/10/2022	20.3
11/10/2022	11.1
12/10/2022	11.7
13/10/2022	10.3
14/10/2022	11.1
15/10/2022	11.8
16/10/2022	17.3
Weekly Total	93.6

Constraints costs (mostly thermal) were the key cost component throughout the week.

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

ESO Actions | Constraint Cost Breakdown



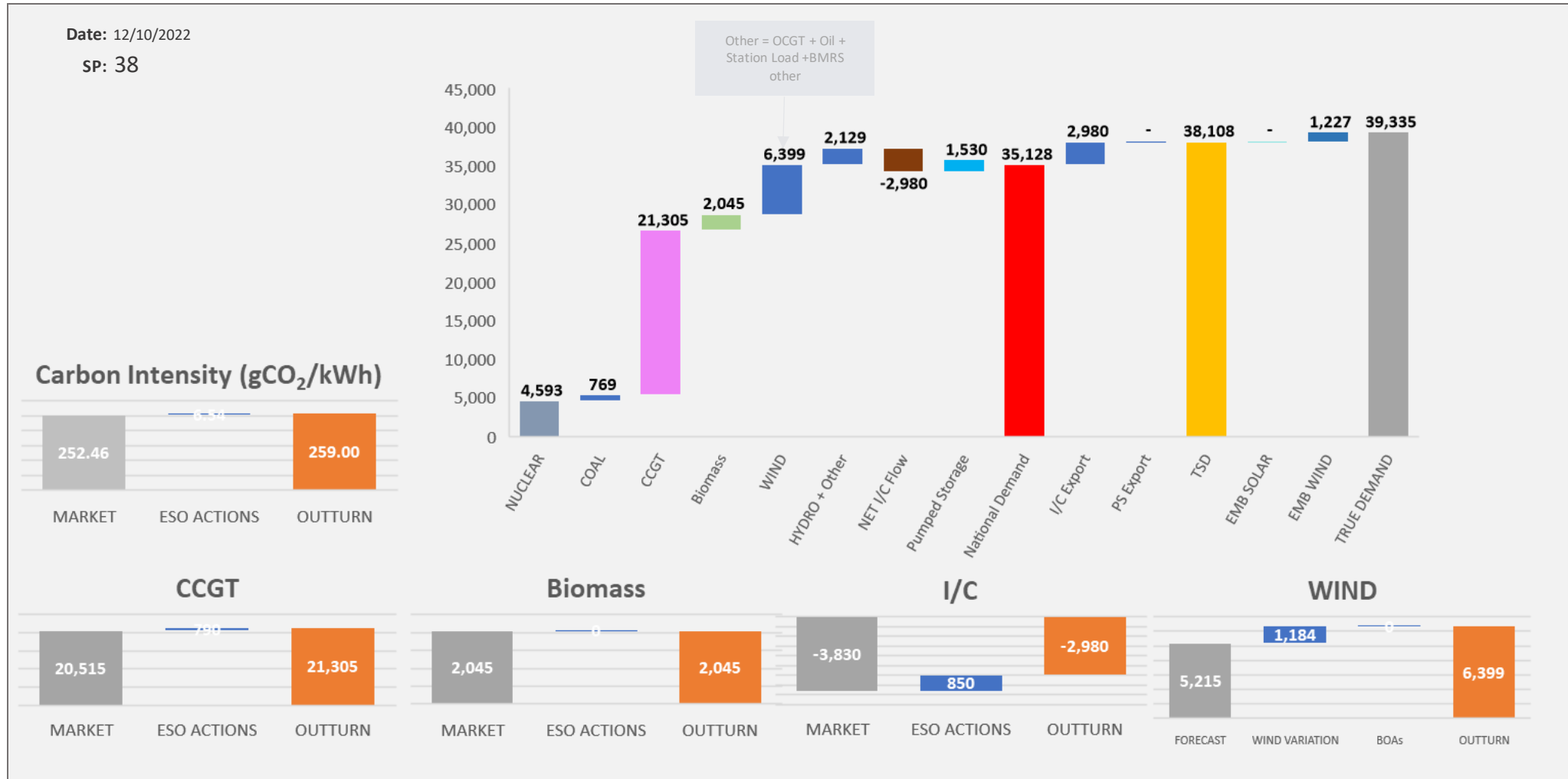
Thermal – network congestion
 Actions required to manage Thermal Constraints throughout the week.

Voltage
 Intervention to manage the voltage levels on Monday and over the weekend.

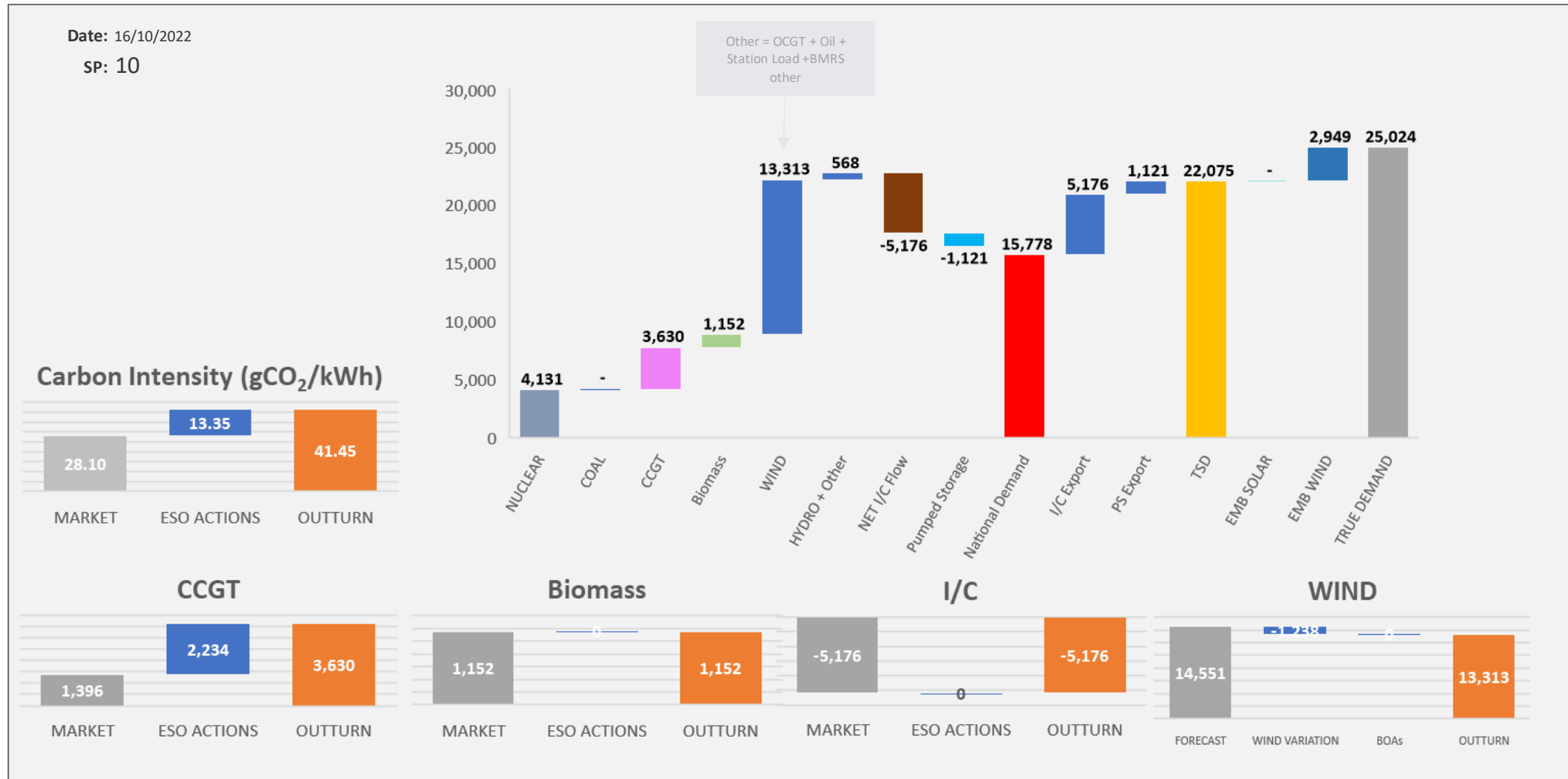
Managing largest loss for RoCoF
 No Intervention required to manage largest loss.

Increasing inertia
 Intervention required to manage system inertia on Monday and over the weekend.

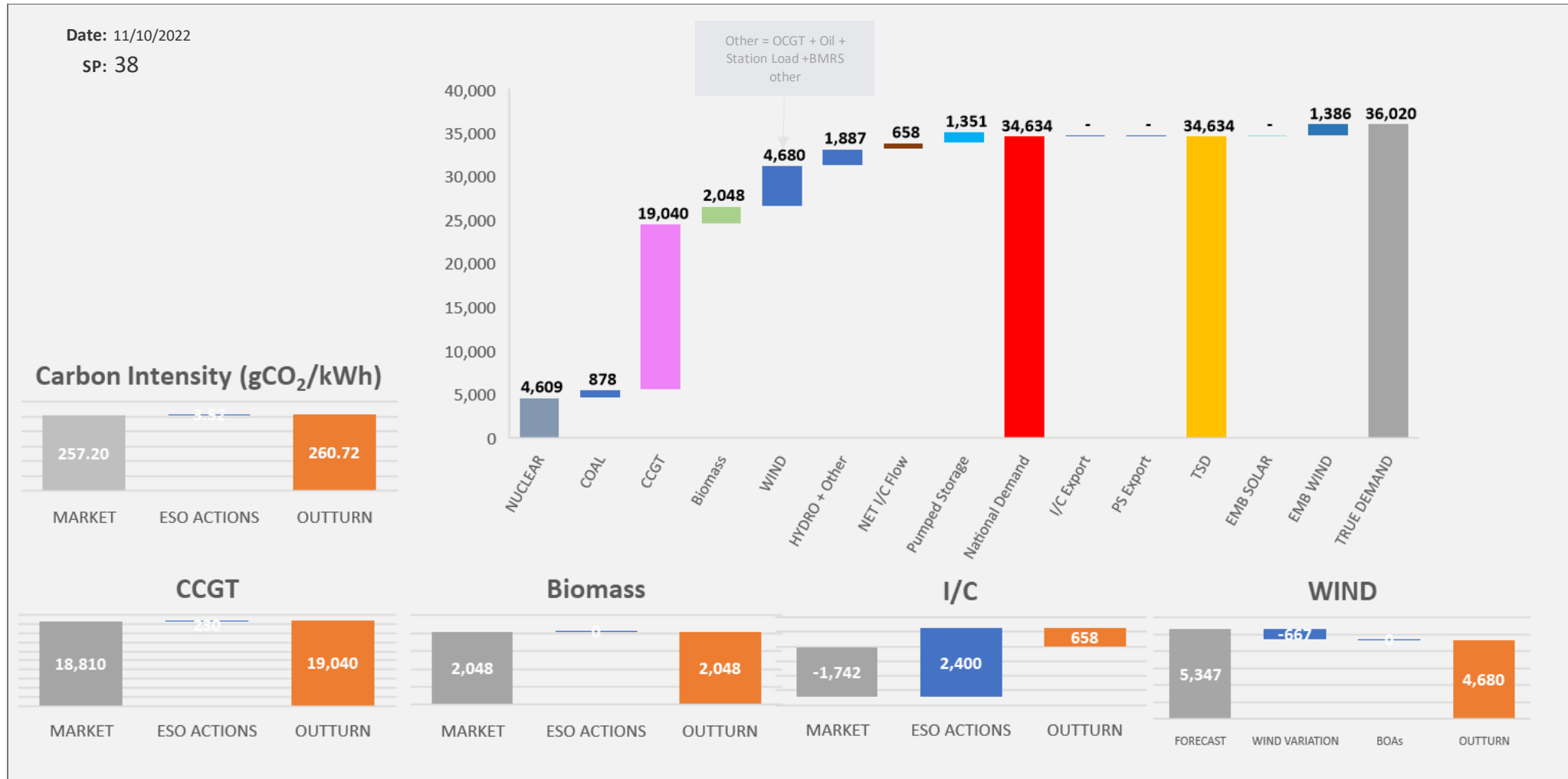
ESO Actions | Wednesday 12 October – Peak Demand – SP spend ~£255k



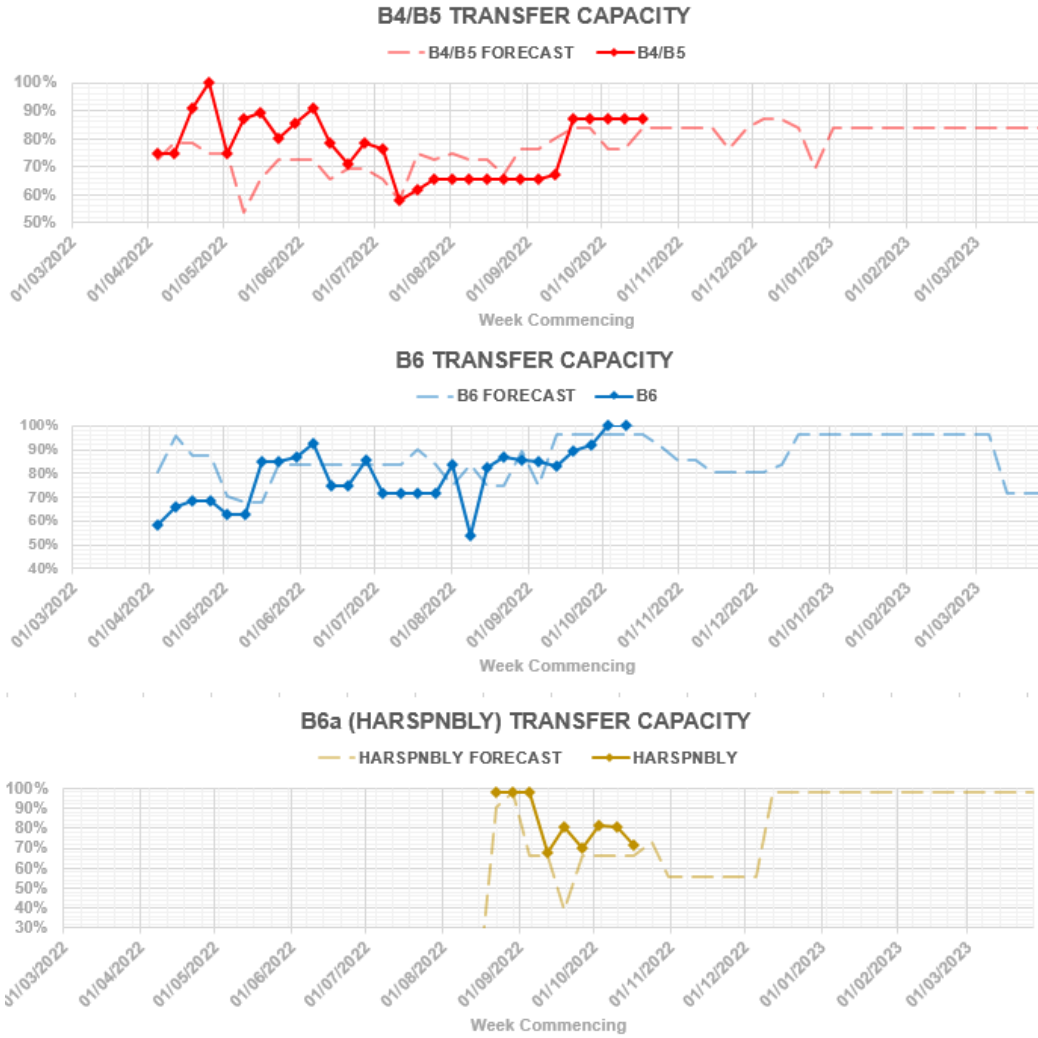
ESO Actions | Sunday 16 October – Minimum Demand – SP Spend ~ -£434k



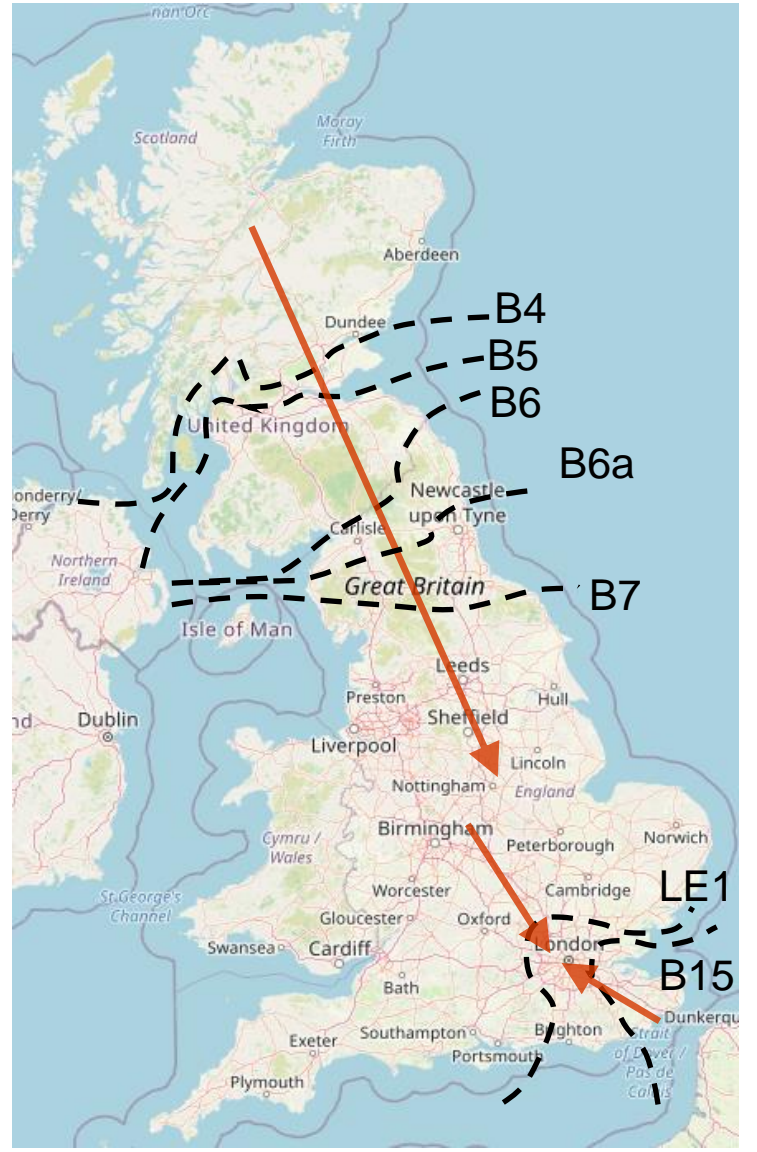
ESO Actions | Tuesday 11 October – Highest SP Spend ~£563k



Transparency | Network Congestion

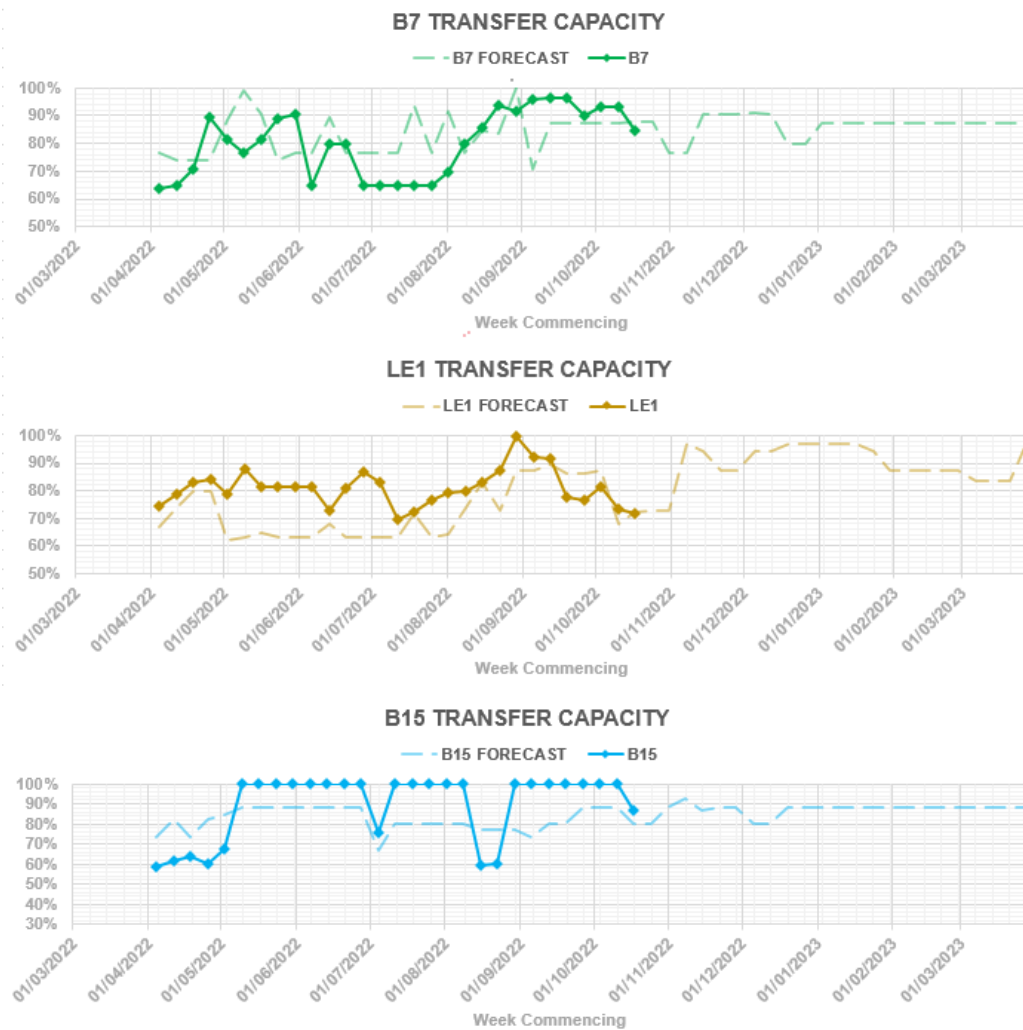


Boundary	Max. Capacity (MW)
B4/B5	2750
B6	5600
B6a	5850
B7	8500
LE1	8250
B15	7500

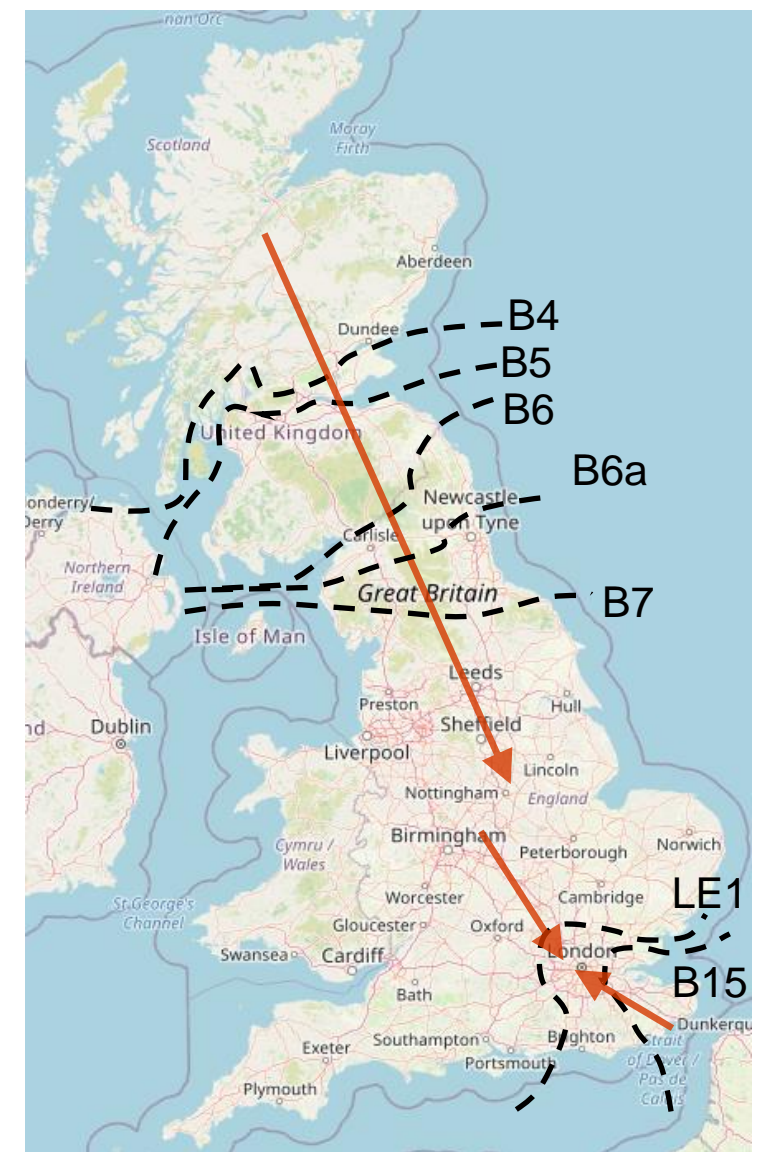


Day ahead flows and limits, and the 24 month constraint limit forecast are published on the ESO Data Portal: <https://data.nationalgrideso.com/data-groups/constraint-management>

Transparency | Network Congestion



Boundary	Max. Capacity (MW)
B4/B5	2750
B6	5600
B6a	5850
B7	8500
LE1	8250
B15	7500



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>

Previous weeks questions

Q: The Irish ICs over July (Moyle basically all July, East-West 10th July) generated to a nomination profile completely away from their PNs. This is a semi-regular occurrence since ISEM. After several years why are PNs still not submitted correctly for Irish ICs?

We've had a look at the data around this and are unable to validate this issue – however we continue to monitor all dynamic data that is submitted and our Control Room is in liaison with providers when data clarification is required.

Questions outstanding we are still working on

Q: Any update on ABSVD moving from R2 to SF runs?

Q: Could you please let us know why the new BSUoS charges data is not available from 5th Oct to 25th October?

Advanced Questions

Q: How long exactly will it take to remove £0 BOAs (the BSCP18 process)?

A: The BSCP18 change won't be instant and would take time to process. Whilst we will work on it instantly, we have to request files from 3rd party data owners which can take up to 3 days to receive, carry out internal processes and submit to IMServ for them to remove the BOA. We believe it would take at least 3 days to complete but could take up to 16 which is the BSCP18 process deadline ahead of the 2nd settlement run.

Q: At the 12 Oct OTF it was stated that constraint limitations of cross border flows are already published on the ESO website. I would be grateful if you could direct me to where that is via a link.

A: All the cross boarder flows are published under this [link](#).

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

