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

21 September 2022

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

OTF improvements – 5 October

- Moving platform to Teams Webinar
- New initial registration, then a rolling invite
- Weekly invite for your diary sent each Tuesday
- Please remove existing recurring Teams invite from your calendars
- Name & company required to ask a question on **slido**
- Questions submitted in advance will be prioritized
- OTF next week will be cancelled due to Market Forum event (28th September)

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:

<https://data.nationalgrideso.com/plans-reports-analysis/covid-19-preparedness-materials>

Regular Topics

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

Sign posts:

- Demand Flexibility Service consultation
- ESO's Markets Forum
- Electricity System Restoration Competitive Procurement Webinar
- Dispatch Transparency ("Skip Rate") Event

Future deep dive/ response topics

Upcoming soon:

ESO Trading on Interconnectors - rearranged for 5th October

Winter Contingency Contracts – rearranged for 5th October

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

System events

No system events this week

Demand Flexibility Service

- On 1st 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](#)
- On Monday 5 September, we hosted a webinar outlining the details of the service. On Tuesday 13th September, an industry open event took place.
- A recording of previous webinars along with the slides and a frequently asked questions document will be available on the National Grid ESO website <https://www.nationalgrideso.com/industry-information/balancing-services/demand-flexibility>
- All formal responses to the consultation must be submitted by emailing the proforma to DemandFlexibility@nationalgrideso.com by the 3rd October 2022 when the consultation formally closes
- The consultation will be reviewed by Ofgem and once approved all details will be published on the National Grid ESO website <https://www.nationalgrideso.com/industry-information/balancing-services/demand-flexibility>

Throughout the consultation we'll be offering opportunities for you to speak to our Demand Flexibility Service team. If you would like to be included on our mailing list, please email DemandFlexibility@nationalgrideso.com

Update: ESO's Markets Forum on 28th September will not include the Standard OTF

Please be advised that after careful consideration we will not be incorporating the standard OTF call into the Markets Forum.

The OTF on 28th of September will therefore be cancelled, we will share our standard slide-pack and answer questions that were taken away.

We very much look forward to still seeing you at this hybrid [event](#), which is being held in London and will also be streamed online.

If you have any questions or feedback from previous Market Forum events, please email box.market.dev@nationalgrideso.com

Key information

Date: 28th September

Venue: etc.venues 133
Houndsditch, Liverpool
Street, London, EC3A 7BX

Time:

9:15-10:00: arrival

10:00-17:00: event

17:00-18:30: networking

Sign up:



Electricity System Restoration Competitive Procurement Webinar

27th September 2022

Northern region tenders

The Northern tender for restoration services includes DNO licensed areas 13 (Merseyside, Cheshire, North Wales & North Shropshire), 15 (North East England), 16 (North West England), 17 (North Scotland), 18 (Central & Southern Scotland), 23 (Yorkshire) will be launching in October 2022.

Our stakeholder webinar has been postponed and will now take place on 27th September 2022 at 2pm. It will provide an overview of the tender timescales, technical requirements, the process through to service go-live and what's different this time round with the ESR procurement. We welcome all technology types to take part in the restoration tenders. This tender will also include [Distributed ReStart](#) services to supplement any full service provisions for the Northern Region.

Please register your details [here](#) and we will send you a placeholder for the session. We look forward to seeing you on 27th September 2022.

Dispatch Transparency ("Skip Rate") Event – Date TBC

We would like to invite you to Wokingham for a transparent discussion about how we dispatch and "Skip Rates".

The event will take place in person at our Wokingham offices. Lunch will be provided and a visit to the control room viewing gallery will be organised.

More information will be shared shortly - we very much look forward to seeing you at this event.

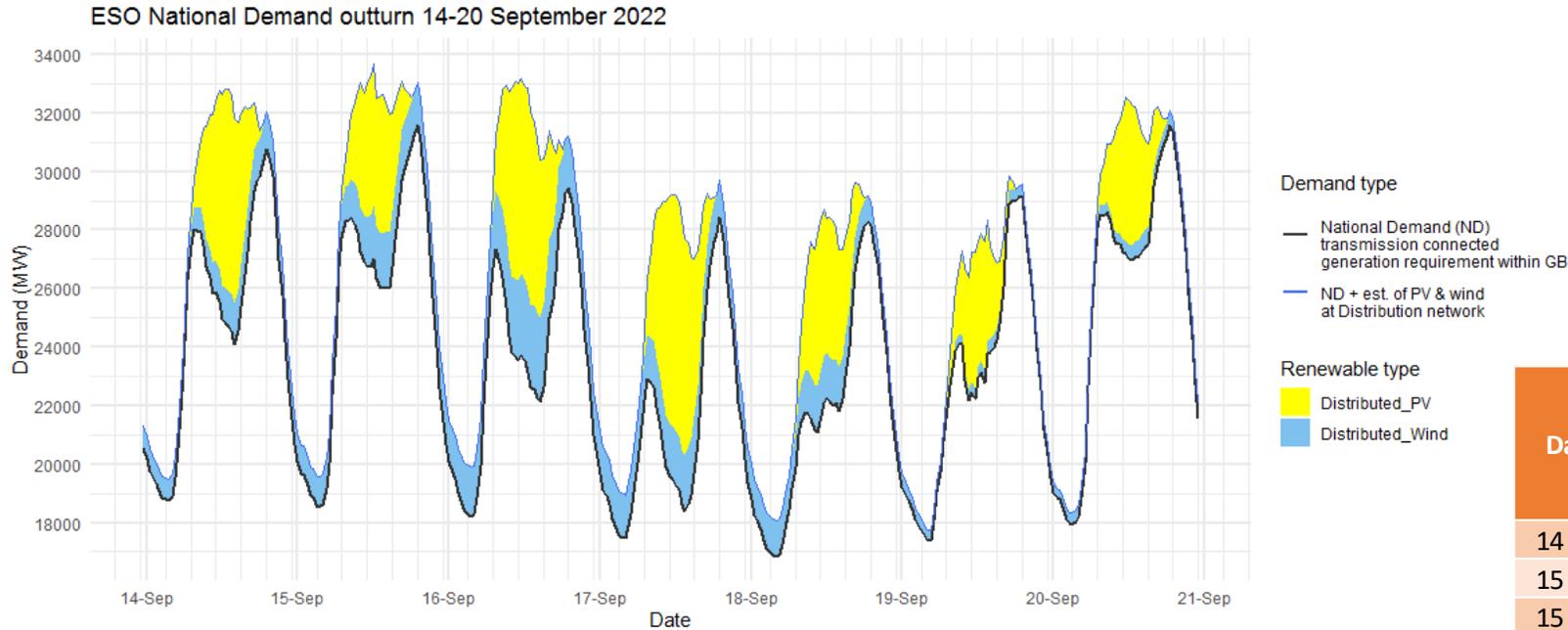
Key information

Date: tbc

Venue: National Grid ESO
Wokingham Office

Time: tbc

Demand | Last week demand out-turn



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 14 Sep)		OUTTURN	
		National Demand (GW)	Dist. wind (GW)	National Demand (GW)	Dist. wind (GW)
14 Sep	Evening Peak	30.4	1.3	30.4	1.3
15 Sep	Overnight Min	18.7	0.9	18.5	1.0
15 Sep	Evening Peak	30.7	1.2	31.2	1.5
16 Sep	Overnight Min	17.8	1.7	18.2	1.7
16 Sep	Evening Peak	29.0	2.3	29.2	1.9
17 Sep	Overnight Min	17.0	1.6	17.5	1.5
17 Sep	Evening Peak	27.4	1.5	27.9	1.3
18 Sep	Overnight Min	16.6	1.3	16.9	1.2
18 Sep	Evening Peak	27.8	0.9	28.3	0.8
19 Sep	Overnight Min	17.9	0.5	17.4	0.4
19 Sep	Evening Peak	30.2	0.4	29.1	0.4
20 Sep	Overnight Min	18.6	0.4	18.0	0.4
20 Sep	Evening Peak	32.9	0.5	31.6	0.5

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

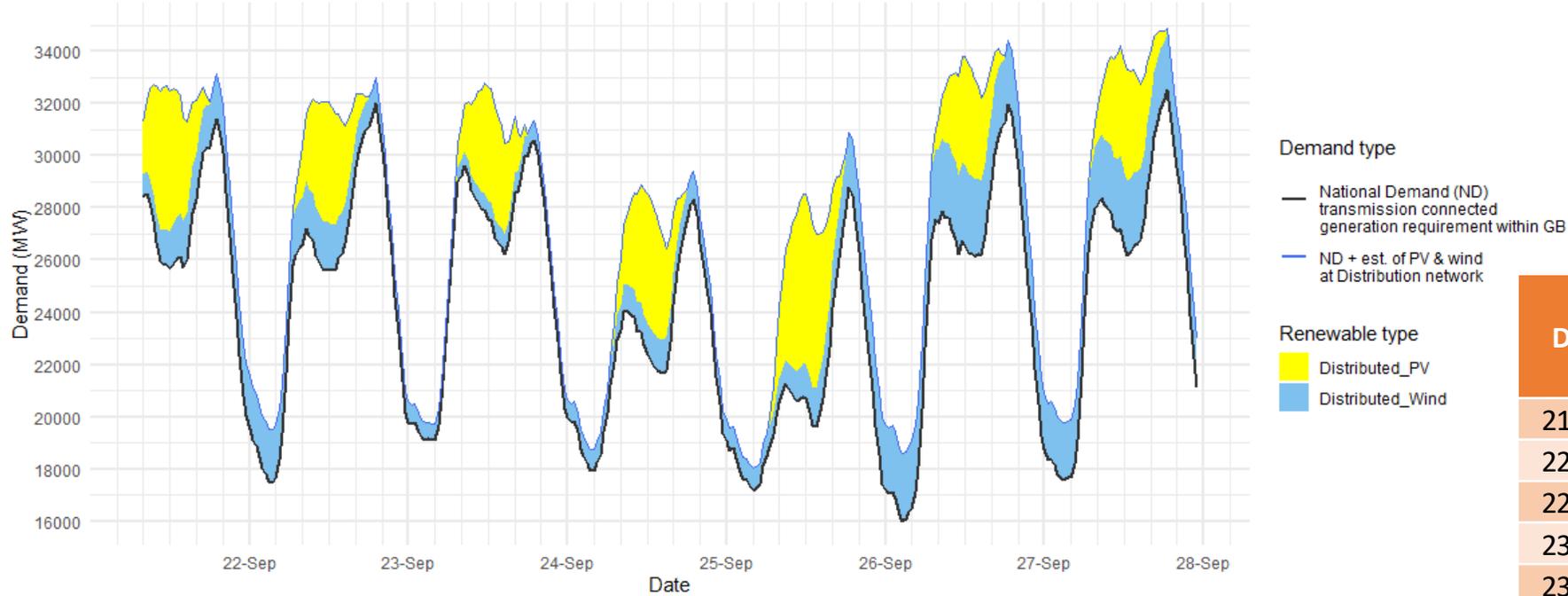
ND values **do not include** export on interconnectors or pumping or station load

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 21-27 September 2022



		FORECAST (Wed 21 Sep)	
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)
21 Sep	Evening Peak	30.8	1.7
22 Sep	Overnight Min	17.5	2.0
22 Sep	Evening Peak	31.5	1.0
23 Sep	Overnight Min	19.1	0.7
23 Sep	Evening Peak	30.5	0.7
24 Sep	Overnight Min	17.9	0.8
24 Sep	Evening Peak	28.1	1.1
25 Sep	Overnight Min	17.2	0.8
25 Sep	Evening Peak	28.8	2.1
26 Sep	Overnight Min	16.0	2.6
26 Sep	Evening Peak	31.9	2.5
27 Sep	Overnight Min	17.6	2.2
27 Sep	Evening Peak	32.5	2.2

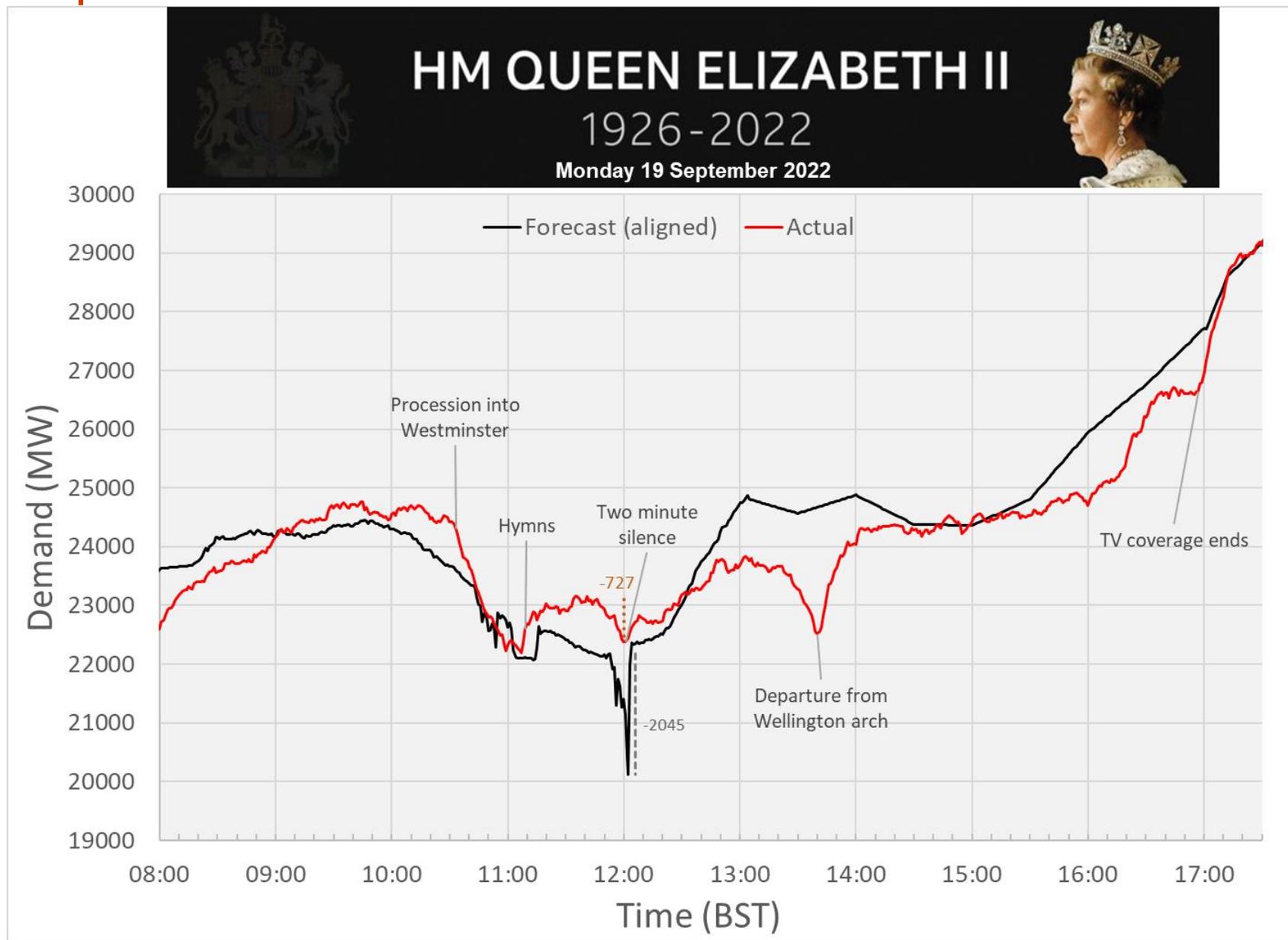
The black line (National Demand ND) is the measure of portion of total GB customer demand that is supplied by the transmission network.

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

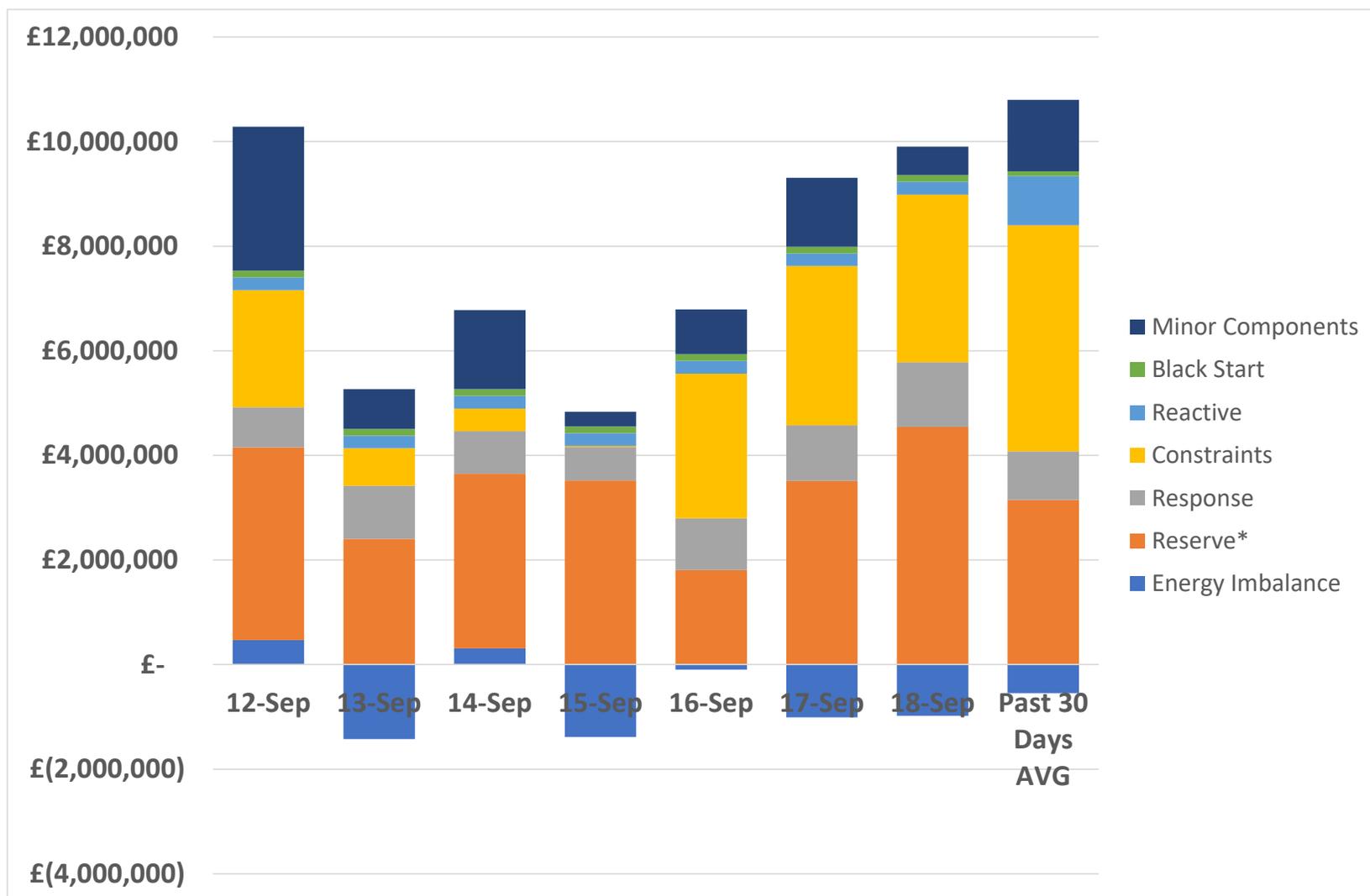
Blue line serves as a proxy for total GB customer demand. It includes demand supplied by the distributed wind and solar sources, but it **does not include** demand supplied by non-weather driven sources at the distributed network for which ESO has no real time data.

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

Demand | The Queen's funeral



ESO Actions | Category costs breakdown for the last week

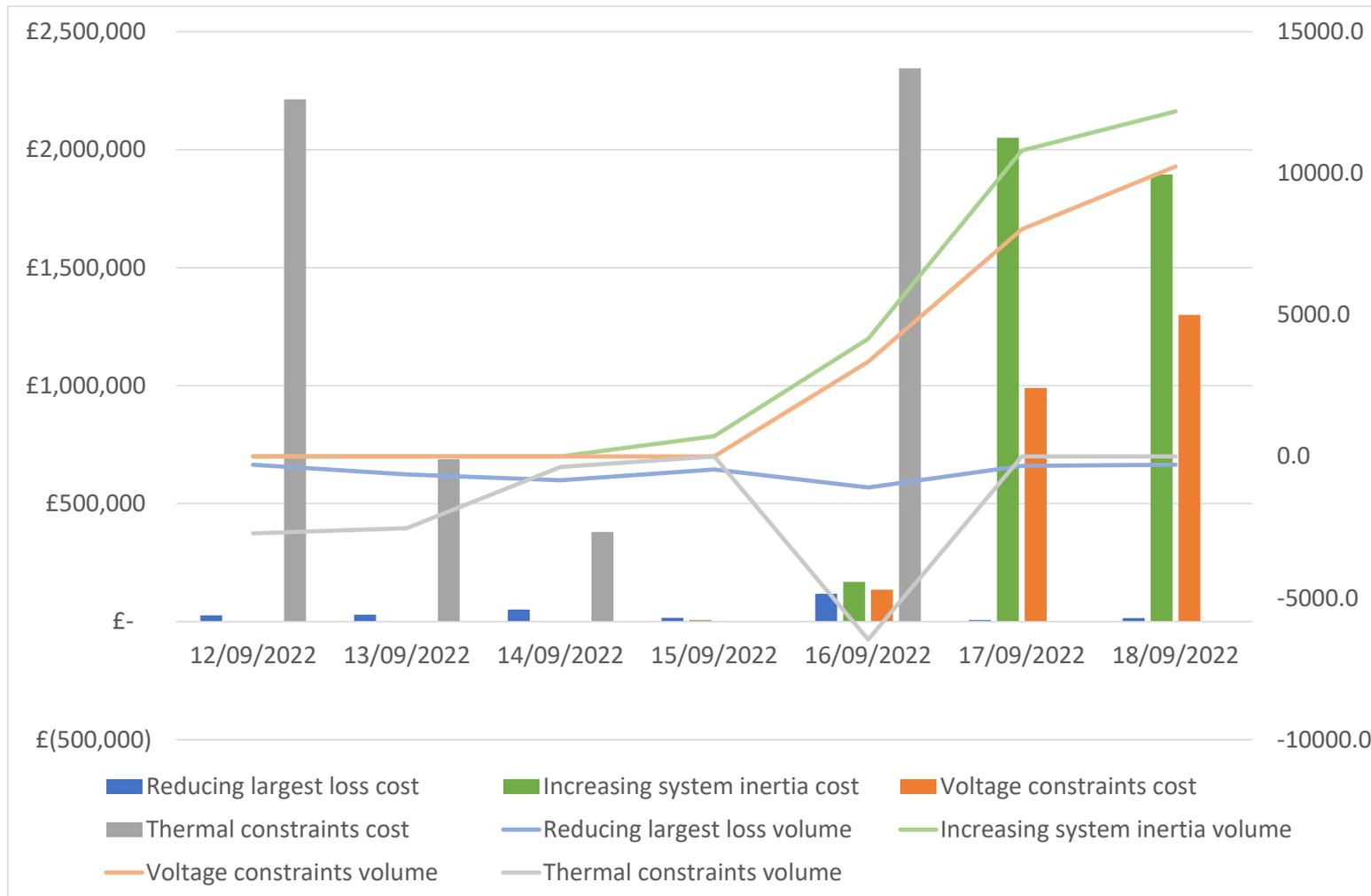


Date	Total (£m)
12/09/2022	10.3
13/09/2022	3.8
14/09/2022	6.8
15/09/2022	3.5
16/09/2022	6.7
17/09/2022	8.3
18/09/2022	8.9
Weekly Total	48.3

Reserve was the key cost component most of the week. Constraint costs were relevant on Monday and over the weekend.

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

ESO Actions | Constraint Cost Breakdown



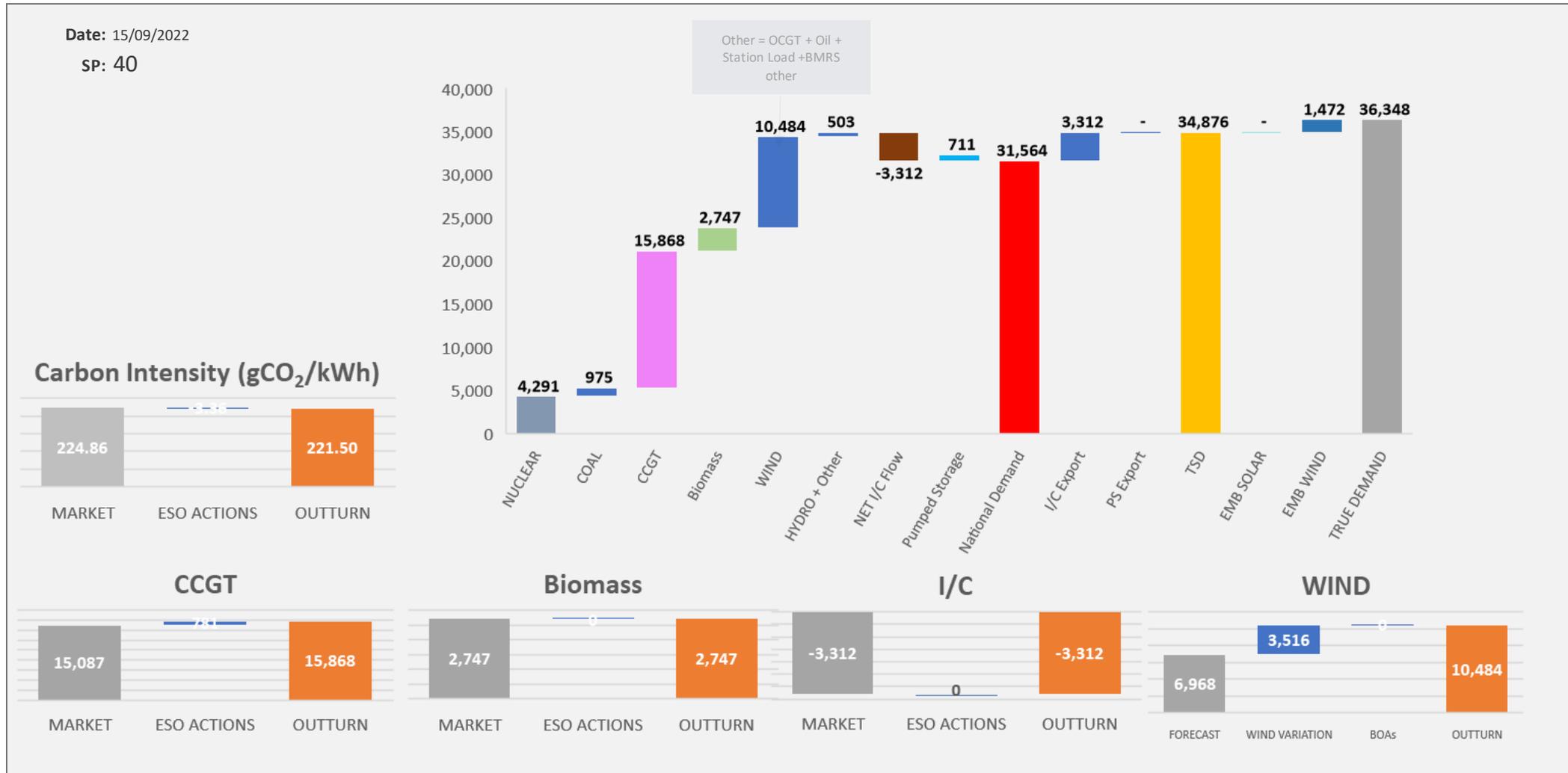
Thermal – network congestion
 Actions required to manage Thermal Constraints throughout the week except Thursday.

Voltage
 Intervention to manage the voltage levels over the weekend.

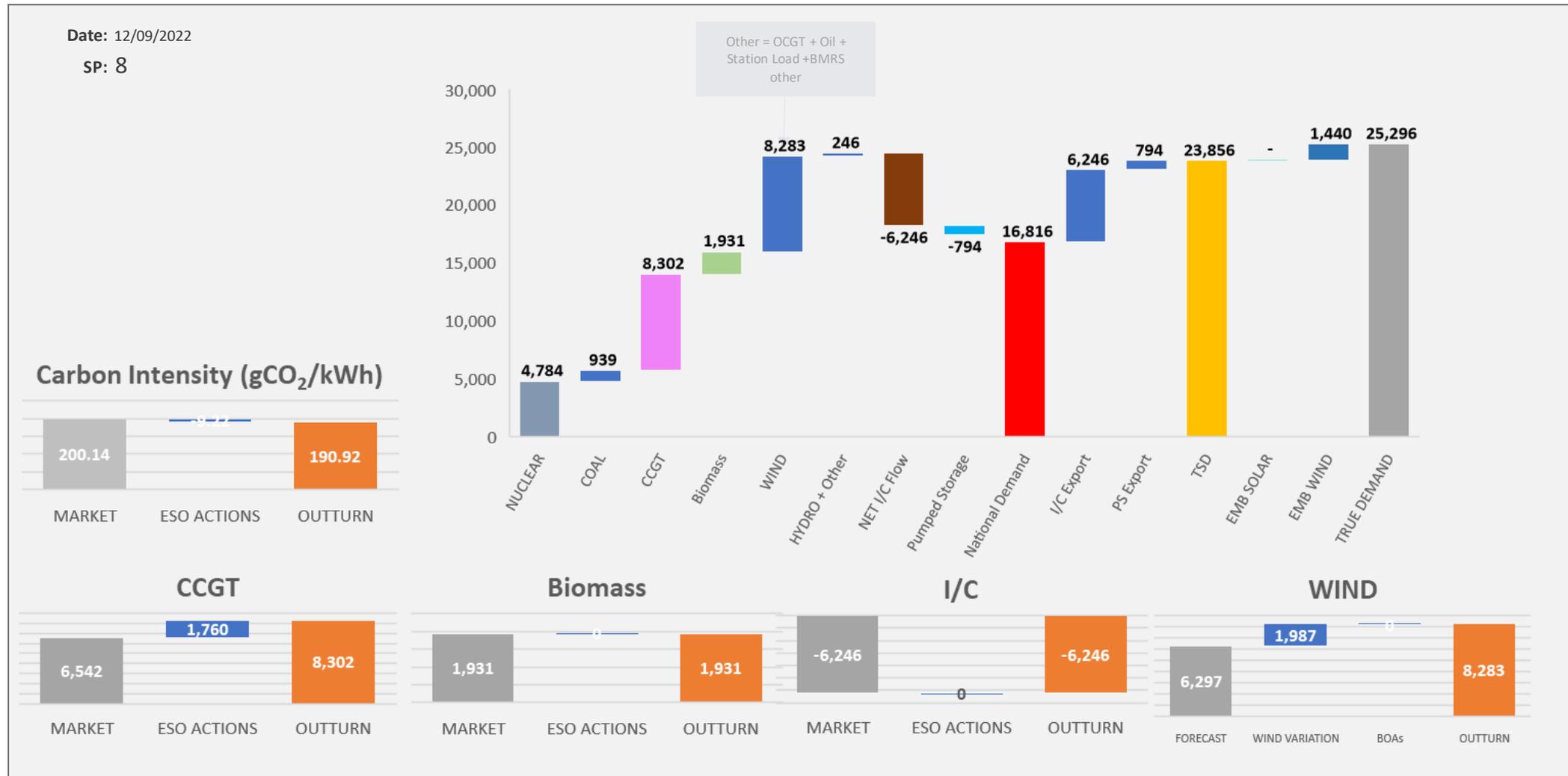
Managing largest loss for RoCoF
 Intervention required to manage largest loss throughout the week.

Increasing inertia
 Intervention required to manage Inertia from Thursday onwards

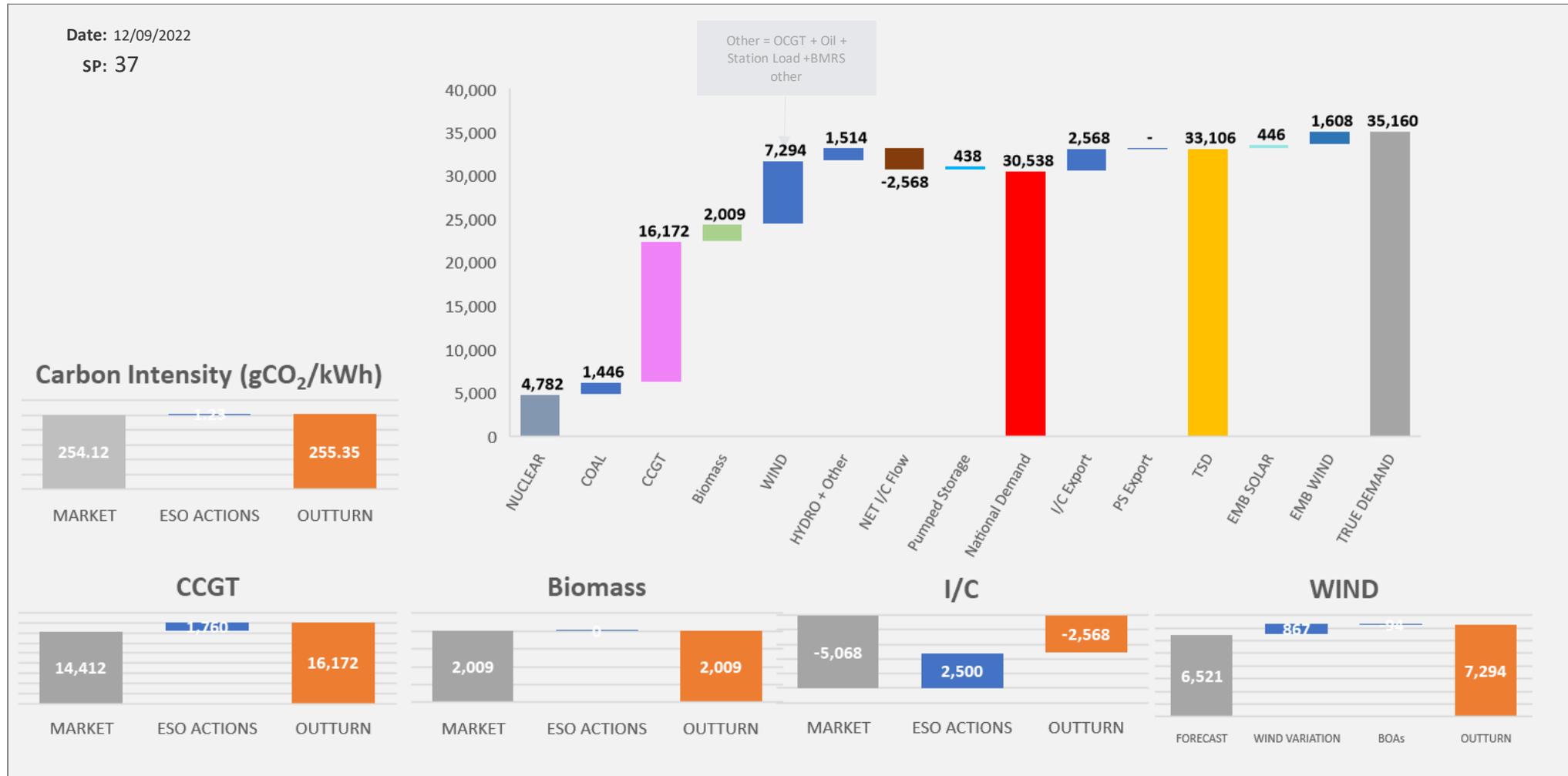
ESO Actions | Thursday 15 September – Peak Demand – SP spend ~£56k



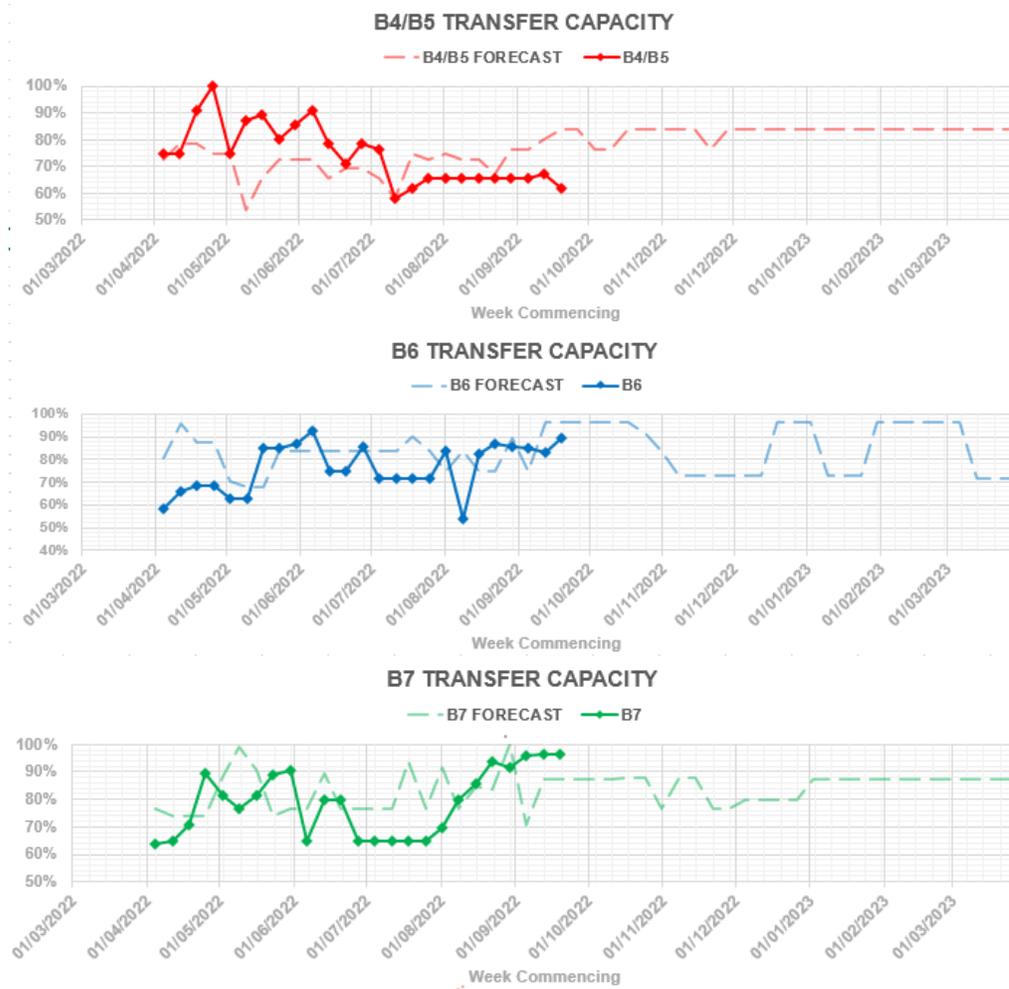
ESO Actions | Monday 12 September – Minimum Demand – SP Spend ~£13k



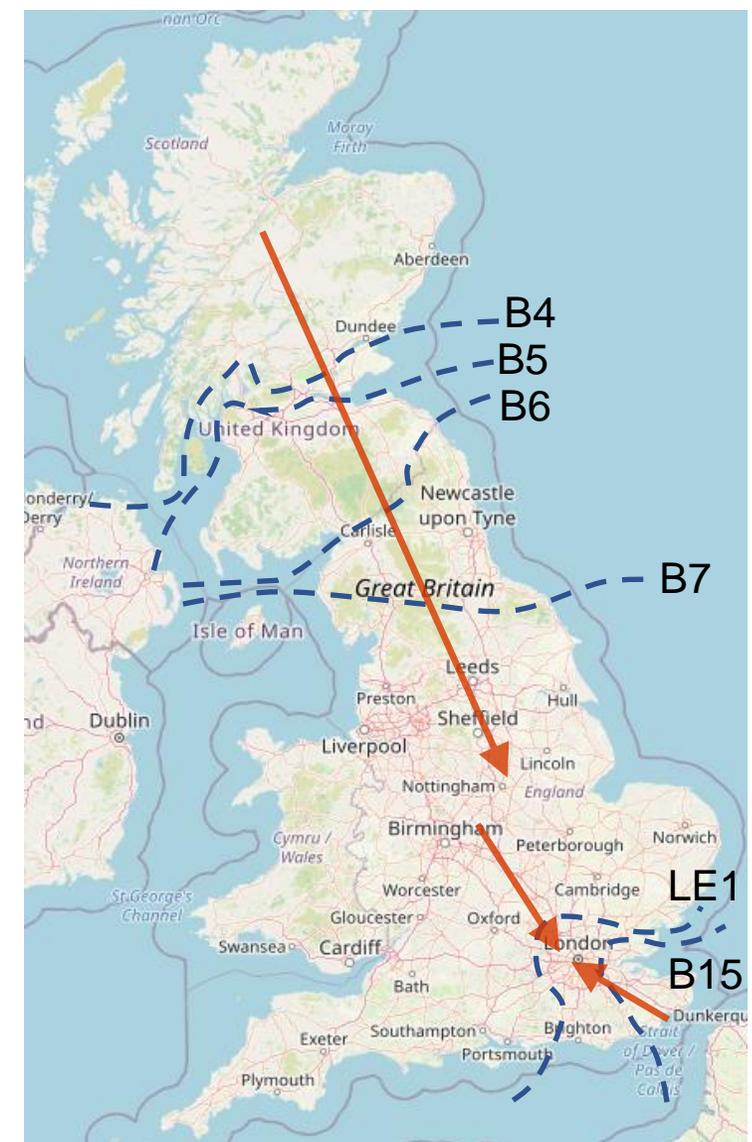
ESO Actions | Monday 12 September – Highest SP Spend ~£520k



Transparency | Network Congestion

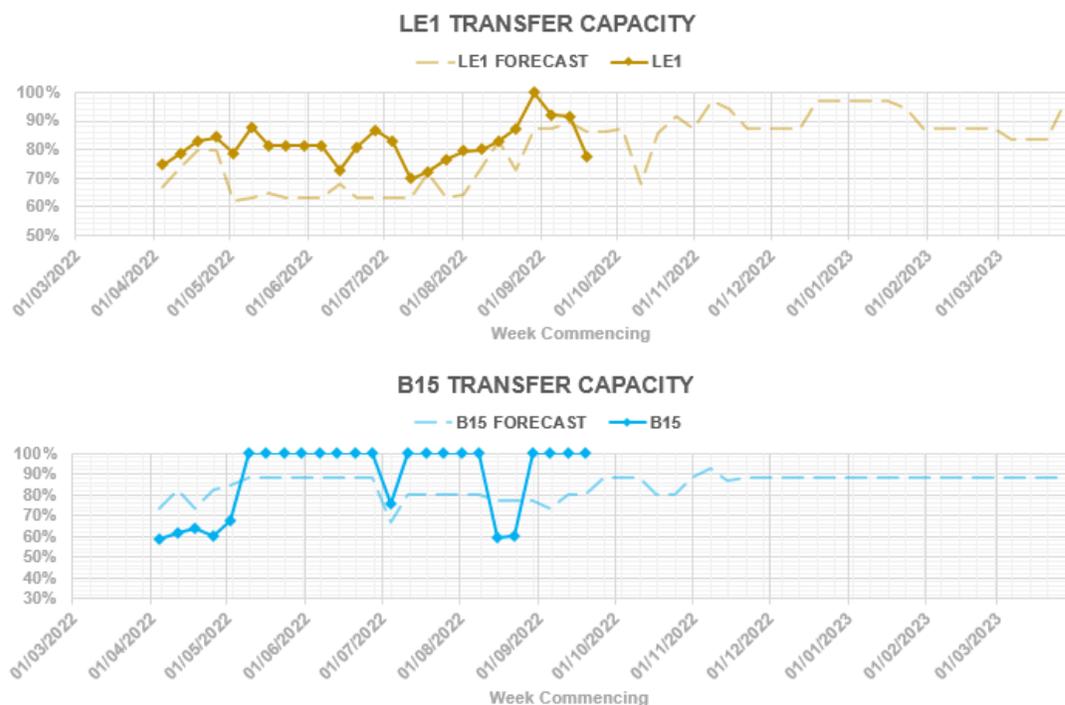


Boundary	Max. Capacity (MW)
B4/B5	2750
B6	5600
B7	8500
LE1	8250
B15	4500

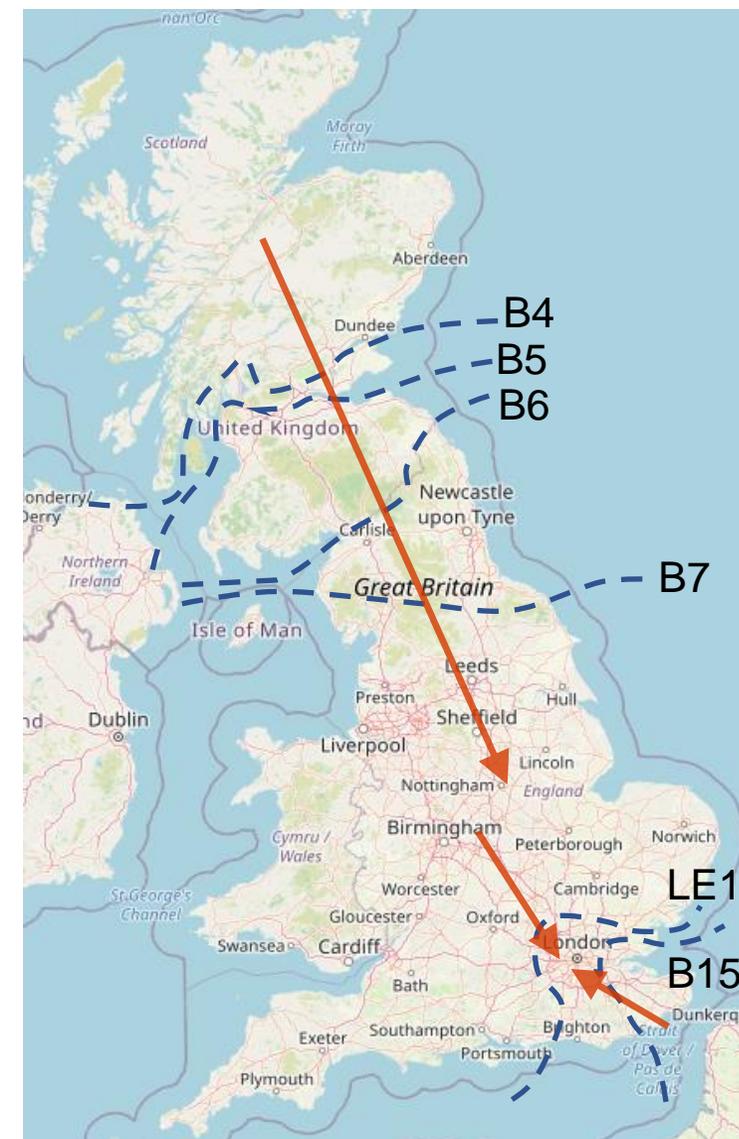


Day ahead flows and limits, and the 24 month constraint limit forecast are published on the ESO Data Portal: <https://data.nationalgrideso.com/data-groups/constraint-management>

Transparency | Network Congestion



Boundary	Max. Capacity (MW)
B4/B5	2750
B6	5600
B7	8500
LE1	8250
B15	4500



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>

Questions outstanding from previous weeks

Q: How many sites still need Loss of Main (LoM) changes? And what is the total MW capacity of these?

A: Our current estimate of the remaining sites and capacity where compliance has not been assured is:

- Approximately 500 sites of capacity from 1MW to 49.9MW with total capacity of 2.6GW. These are subject to immediate enforcement of requirements by DNOs. Enforcing the requirements on these sites could save up to £35m/annum.
- Approximately 1000 sites of capacity ranging from 200kW to 999kW with a total capacity of 0.44GW. DNOs are expected to start enforcing the requirements on these in March 2023. Enforcing the requirements on these sites could save up to £3.6m/annum.
- Approximately 46,000 sites of capacity below 200kW with a total capacity of 1.2GW. A significant percentage of these are expected to be already compliant with the requirements. Plans to enforce the requirements on non-compliant sites are currently being scoped as these could save an additional £3.9m/annum.

Questions outstanding from previous weeks

Q: Surely without market trades on I/C's they will not meet their CM obligation and only enough trades are being done to get out of CM notice event. So IC users being paid for IC's to meet their requirement on top of CM payment. IC owners having no input to flow direction. You think this is reasonable?

A: Interconnectors are eligible to participate in the Capacity Market. This is a matter of policy for Government.

Trading on interconnectors is one of the tools we use to manage flows on interconnectors. We trade on interconnectors to meet our requirements of operating the system in real-time. We do not trade on interconnectors to get out of a CM notice event or to enable interconnectors to meet their CM obligations.

A CM notice is not an operational tool used by our control room. A CM notice is intended to notify capacity providers with CM agreements that they will be expected to deliver their capacity for the relevant settlement period if the notice remains in place, or potentially face penalties in line with the CM Rules and Regulations. It is not the responsibility of the ESO to either deliver or advise on how capacity market providers deliver in line with their agreements; this is the responsibility of the CM providers.

Questions outstanding we are still working on

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?

Q: Slide 6 ESR tender - what feedback do you have for stakeholders on derogation you have said in GC156 working group ESO is seeking as this directly impacts on current South East tender - in terms of the min tech requirement tender parties have to meet to be compliant?

We will come back to those questions in the future:

Q: Ref Q @ top of slide 25; could someone please explain exactly what “a requirement from ESO” where “such requirement being under ESEC” per footnote 3 of 2022 Direction is? Also, means ESEC has to be activated 1st before requirement for coal applies - otherwise this Direction does not legally apply.

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

slido



Audience Q&A Session

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

