

# ESO Operational Transparency Forum

8 June 2022

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

## Introduction | Sli.do code #OTF

Please visit [www.sli.do](http://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](mailto: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

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

## Questions outstanding from previous weeks

Q: On interconnectors, I wanted to know if there is non-GB generation using the GB network to access other markets. In which case they should pay TNUoS - as transit gas pays for gas transmission. Any plans to consider changes to TNUoS charges for this?

A: Current EU retained law stipulates that there should be no transmission charges on interconnector flows. We have no plans to change this arrangement currently.

## Questions outstanding we are still working on

Q: Re ESO interconnector register, how did you arrive at the 'MW Effective From' dates? These seem v optimistic, with a further 24GW of interconnectors coming on by 2029. E.g. neuconnect online from Dec 2023 in register but on Neuconnect website they say not operational until 2028

Q: Eleclink has been live for over a week. Are data flows coming through correctly? i.e. Planned exports via eleclink feeding through into TSDF?

## Upcoming events

### OTF Stakeholder workshop

*Come and meet the face behind the voice on the OTF*

- We would like to gather ideas and feedback to continue improving the OTF
- Lunch will be provided
- Visit to control room viewing gallery with some of our regular OTF experts

24 June 1100-1300

*In person at our Wokingham offices*

Sign up by 17 June



<https://forms.office.com/r/G1M277Eqng>

### Demand Forecasting Consultation

For historical reasons, the Grid Code requires ESO to publish forecasts of quantities called National Demand and Transmission System Demand

- In the current system, these quantities are neither 'National' nor 'Demand'
- We want to **engage with stakeholders** to explain what we are forecasting
- To explore what stakeholders would **find most useful**
- To discuss how forecasts interact with the market mechanisms, and what constraints it puts on forecasting
- To discover routes to realising an **improved service**

24 June 1330-1530

*In person at our Wokingham offices*

Sign up by 17 June



<https://forms.office.com/r/k1baP8k2Yb>

## Announcements

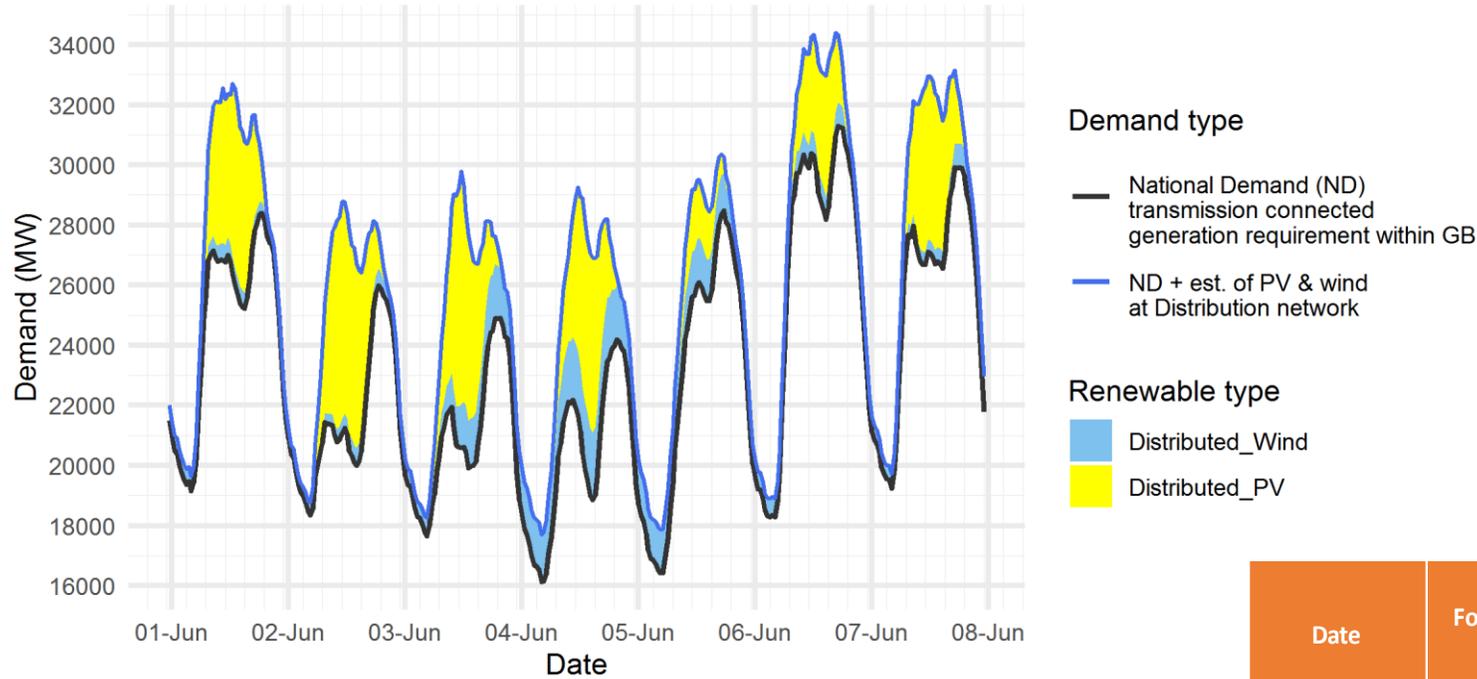
### Electricity System Restoration (ESR) – South East Region Tender

We are pleased to announce that the ESO has launched the Expression of Interest (EOI) stage for the South East region tender. All the information required and the EOI pack can be found on our website [here](#)

The deadline for the submission is 5pm 1st July 2022.

# Demand | Last week demand out-turn

ESO National Demand outturn 01-07 June 2022



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

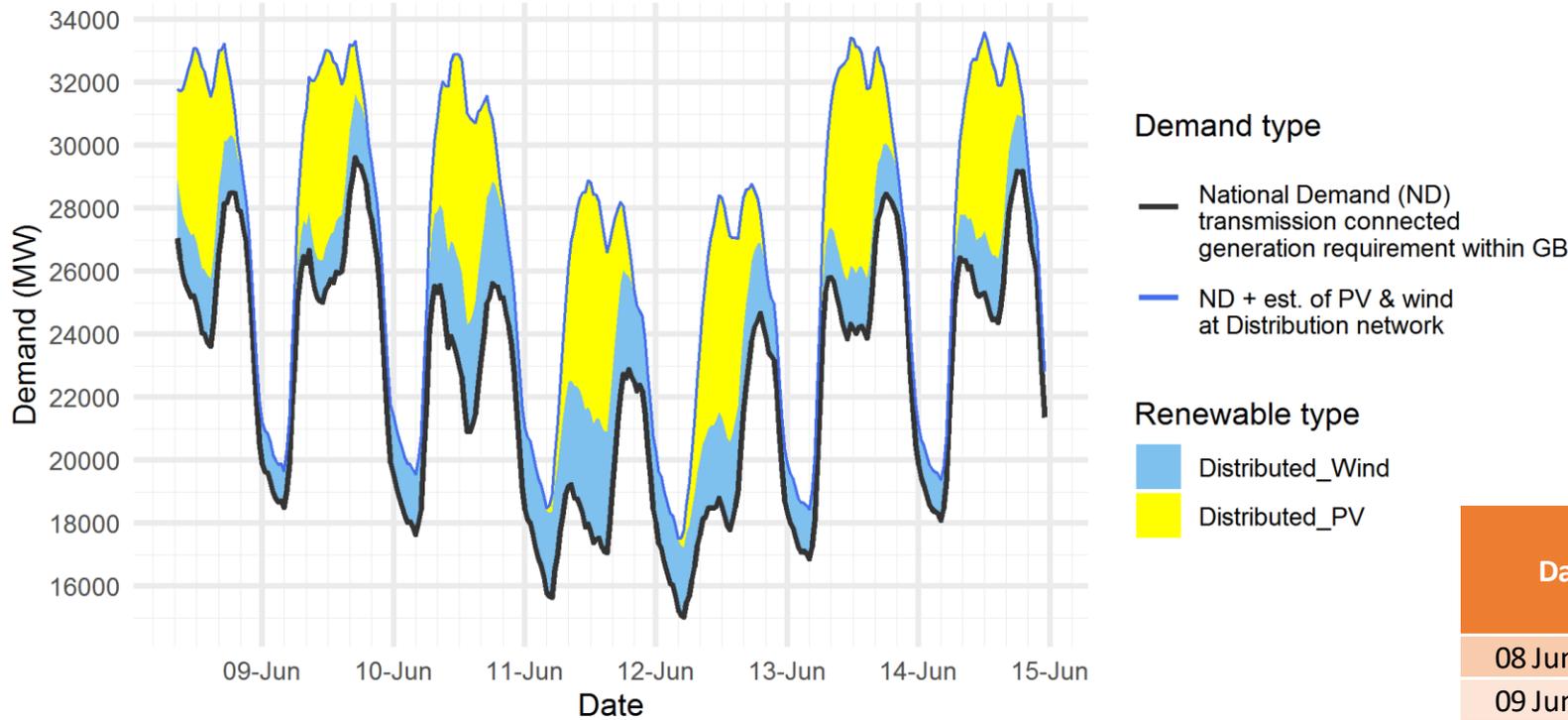
Blue line serves as a proxy for total GB customer demand. It includes demand supplied by the distributed wind and solar sources, but it **does not include** demand supplied by non-weather driven sources at the distributed network for which ESO has no real time data.

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

Date	Forecasting Point	FORECAST (Wed 01 Jun)			OUTTURN		
		National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
01 Jun 2022	Afternoon Min	25.1	0.7	6.0	25.2	0.5	5.0
02 Jun 2022	Overnight Min	18.9	0.4	0.6	18.4	0.3	0.1
02 Jun 2022	Afternoon Min	19.6	0.6	6.7	20.0	0.6	6.1
03 Jun 2022	Overnight Min	18.2	0.6	0.1	17.7	0.6	0.1
03 Jun 2022	Afternoon Min	18.7	1.5	6.0	19.9	1.6	6.2
04 Jun 2022	Overnight Min	16.7	1.3	0.1	16.1	1.6	0.0
04 Jun 2022	Afternoon Min	19.0	1.5	5.3	18.8	2.3	5.8
05 Jun 2022	Overnight Min	16.2	0.8	0.3	16.4	1.4	0.0
05 Jun 2022	Afternoon Min	20.3	0.8	5.3	25.5	1.4	1.7
06 Jun 2022	Overnight Min	17.7	0.5	0.0	18.3	0.6	0.0
06 Jun 2022	Afternoon Min	24.9	0.8	6.0	28.2	0.8	4.0
07 Jun 2022	Overnight Min	18.3	0.7	0.0	19.2	0.5	0.0
07 Jun 2022	Afternoon Min	24.9	1.3	5.5	26.6	0.6	4.3

# Demand | Week Ahead

ESO Demand forecast for 08-14 June 2022



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

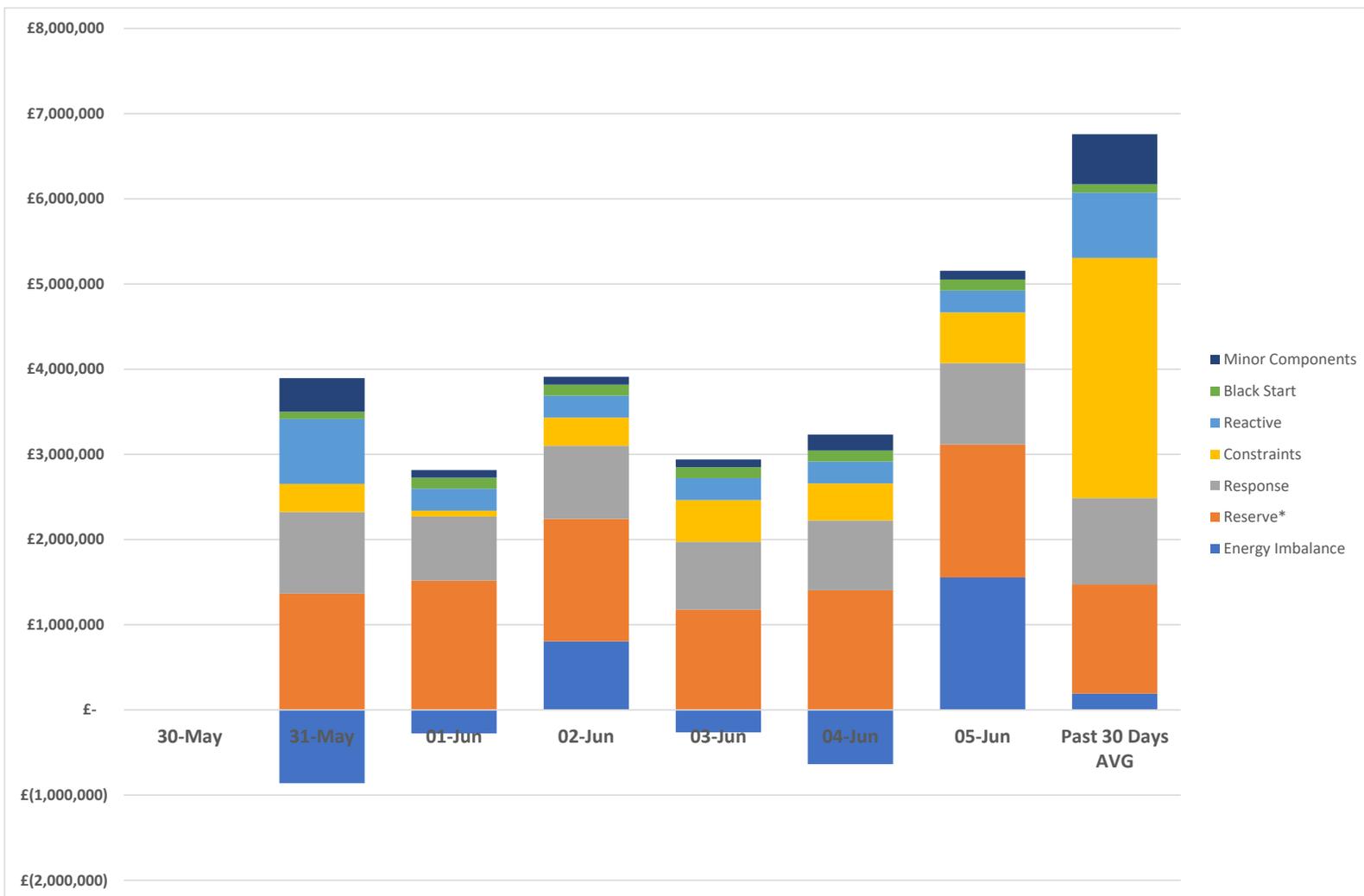
ND values **do not include** export on interconnectors or pumping or station load

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.

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		FORECAST (Wed 08 Jun)		
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
08 Jun 2022	Afternoon Min	23.6	2.1	5.8
09 Jun 2022	Overnight Min	18.5	1.1	0.0
09 Jun 2022	Afternoon Min	25.6	1.6	5.4
10 Jun 2022	Overnight Min	17.6	1.9	0.0
10 Jun 2022	Afternoon Min	20.9	3.4	6.7
11 Jun 2022	Overnight Min	15.6	2.7	0.5
11 Jun 2022	Afternoon Min	17.1	3.9	5.7
12 Jun 2022	Overnight Min	15.0	2.2	0.5
12 Jun 2022	Afternoon Min	17.8	2.8	6.5
13 Jun 2022	Overnight Min	16.9	1.5	0.1
13 Jun 2022	Afternoon Min	23.9	1.9	6.0
14 Jun 2022	Overnight Min	18.1	1.3	0.0
14 Jun 2022	Afternoon Min	24.4	2.0	5.5

# ESO Actions | Category costs breakdown for the last week



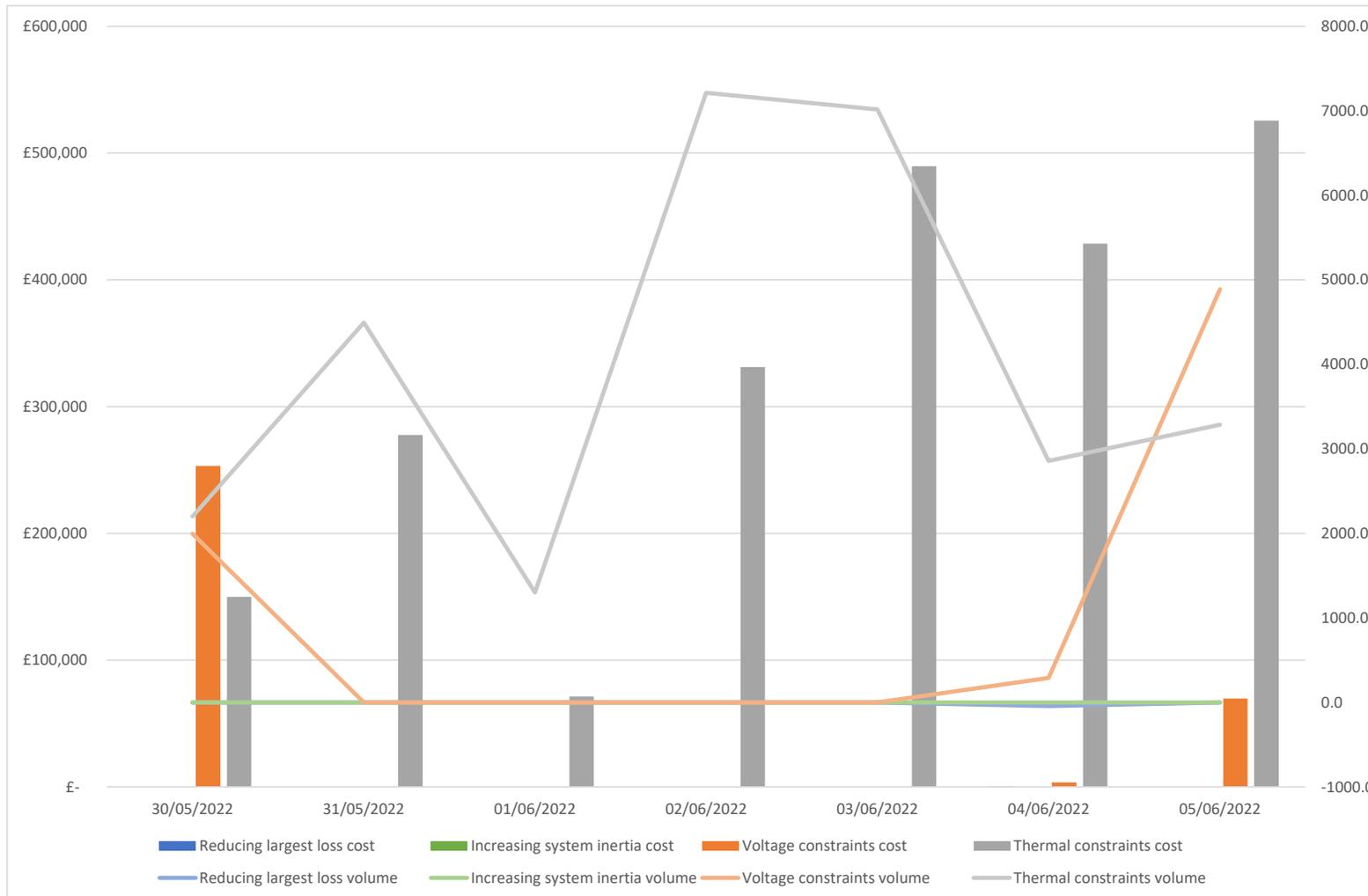
Date	Total (£m)
30/05/2022	6.0
31/05/2022	3.0
01/06/2022	2.5
02/06/2022	3.9
03/06/2022	2.7
04/06/2022	2.6
05/06/2022	5.2
<b>Weekly Total</b>	<b>25.9</b>

Reserve category was the key cost component

\*Reserve includes Operating Reserve, STOR, Fast Reserve, Negative Reserve, Other Reserve

Past 30 Days Average is displayed in the chart

# ESO Actions | Constraint Cost Breakdown



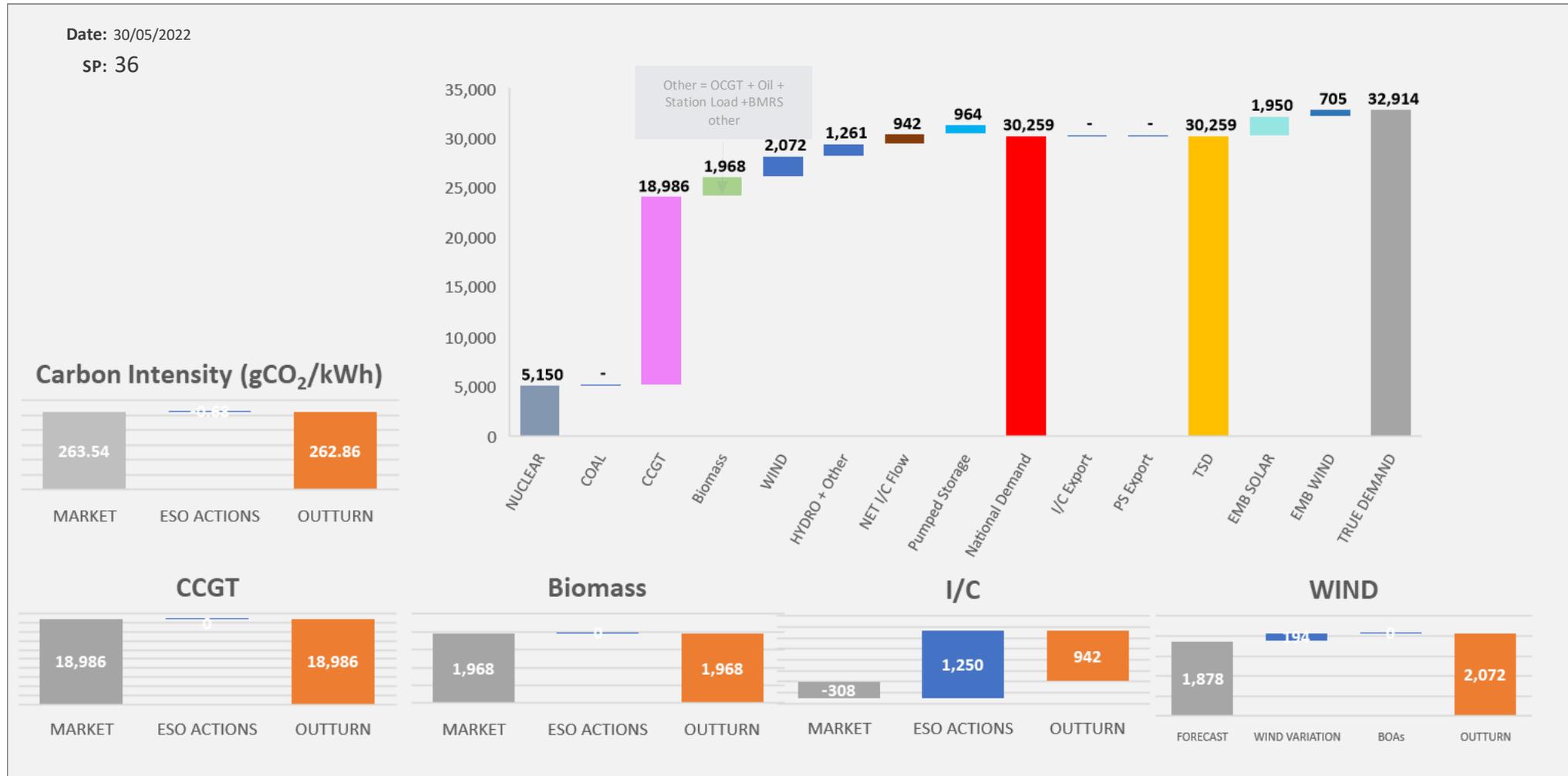
**Thermal – network congestion**  
 Actions required to manage Thermal Constraints throughout the week

**Voltage**  
 Actions taken to synchronise generation to meet voltage requirements were taken on Monday, Saturday and Sunday

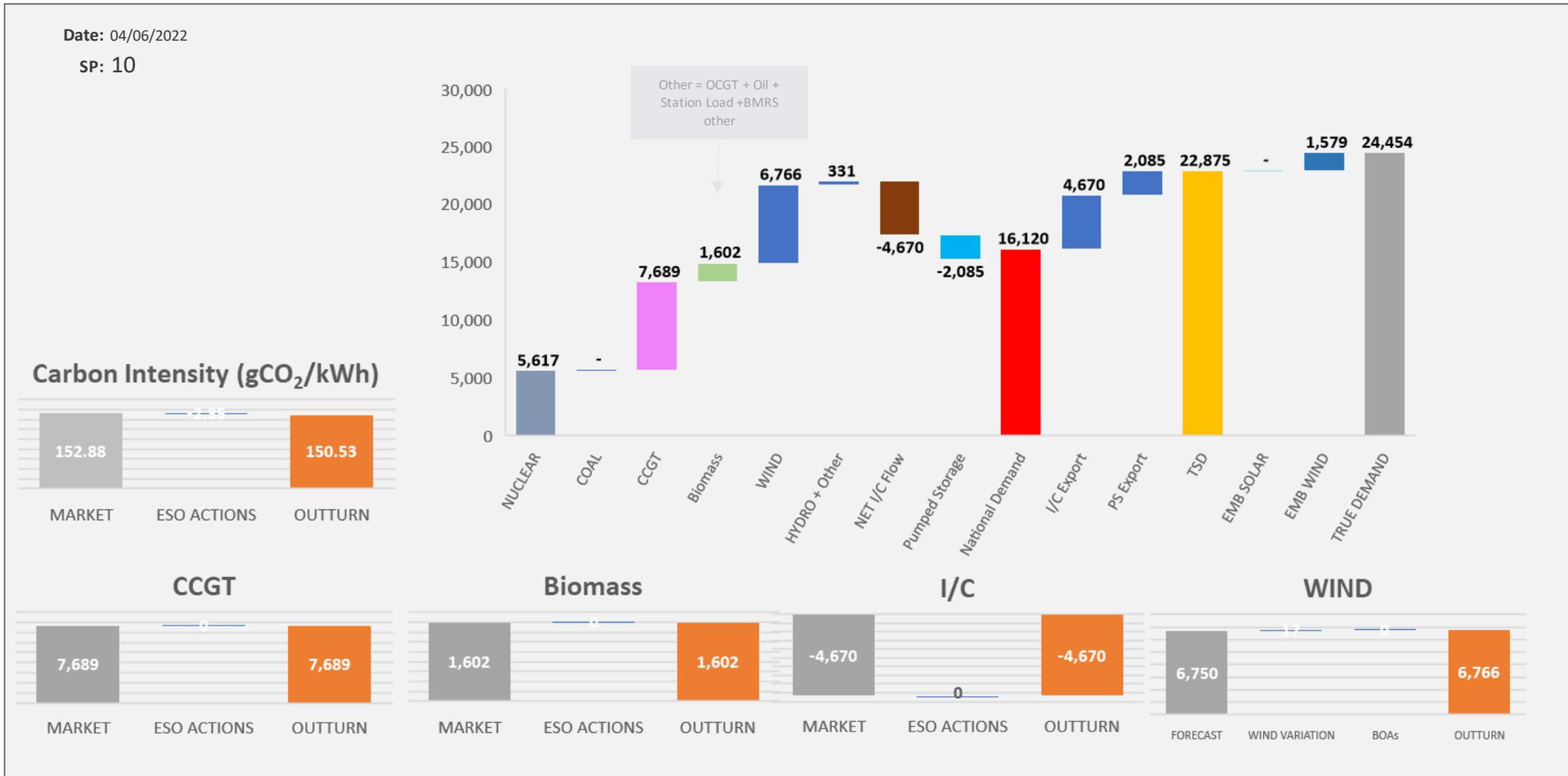
**Managing largest loss for RoCoF**  
 No Intervention required to manage largest loss

**Increasing inertia**  
 No Intervention required to increase minimum inertia

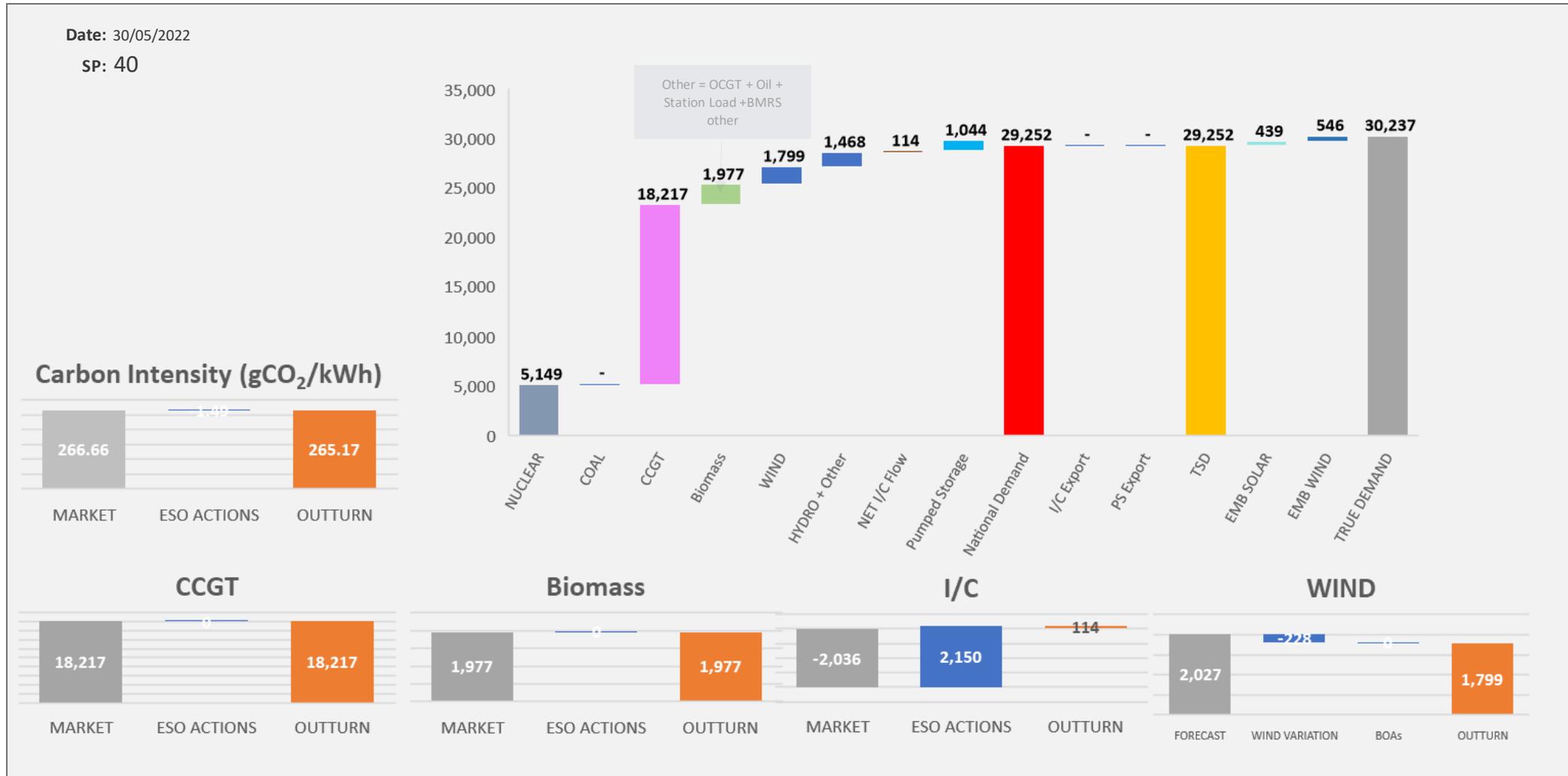
# ESO Actions | Monday 30 May Peak



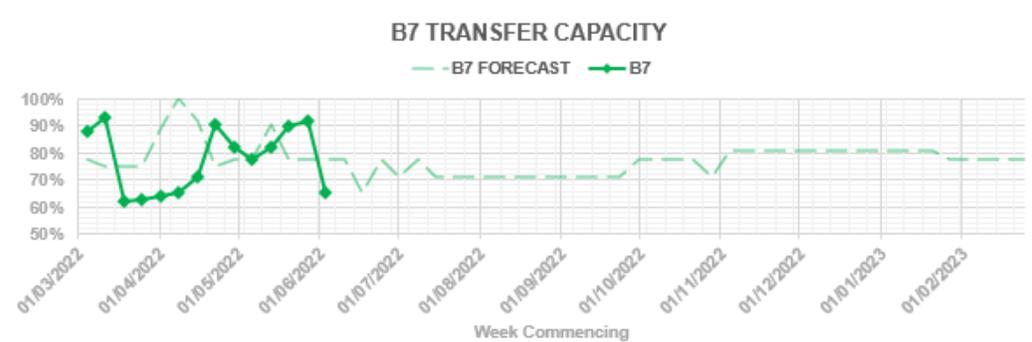
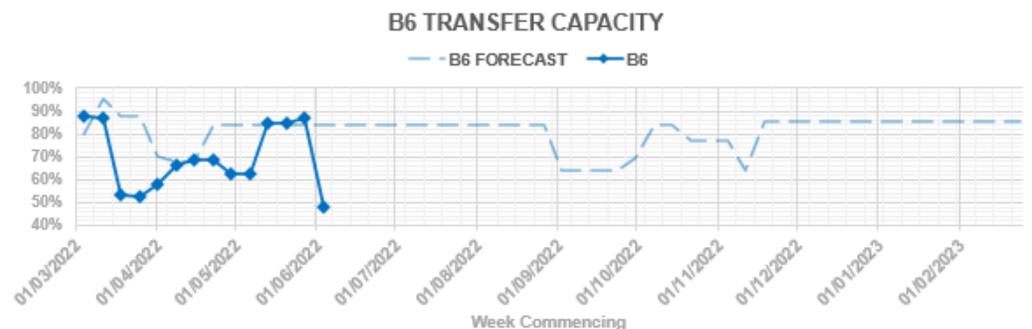
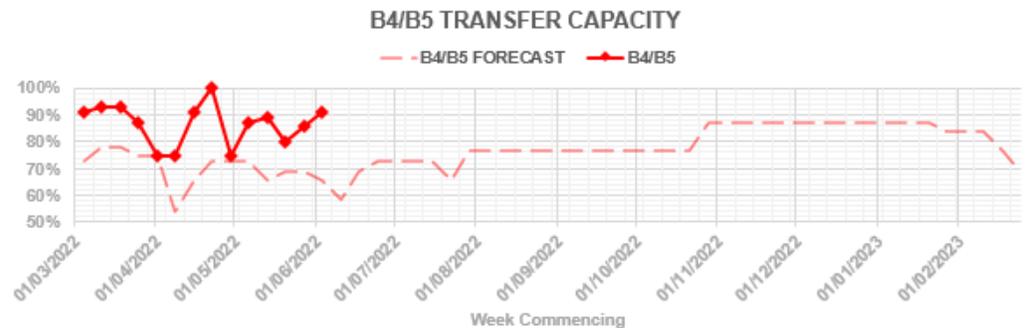
# ESO Actions | Saturday 04 June Minimum



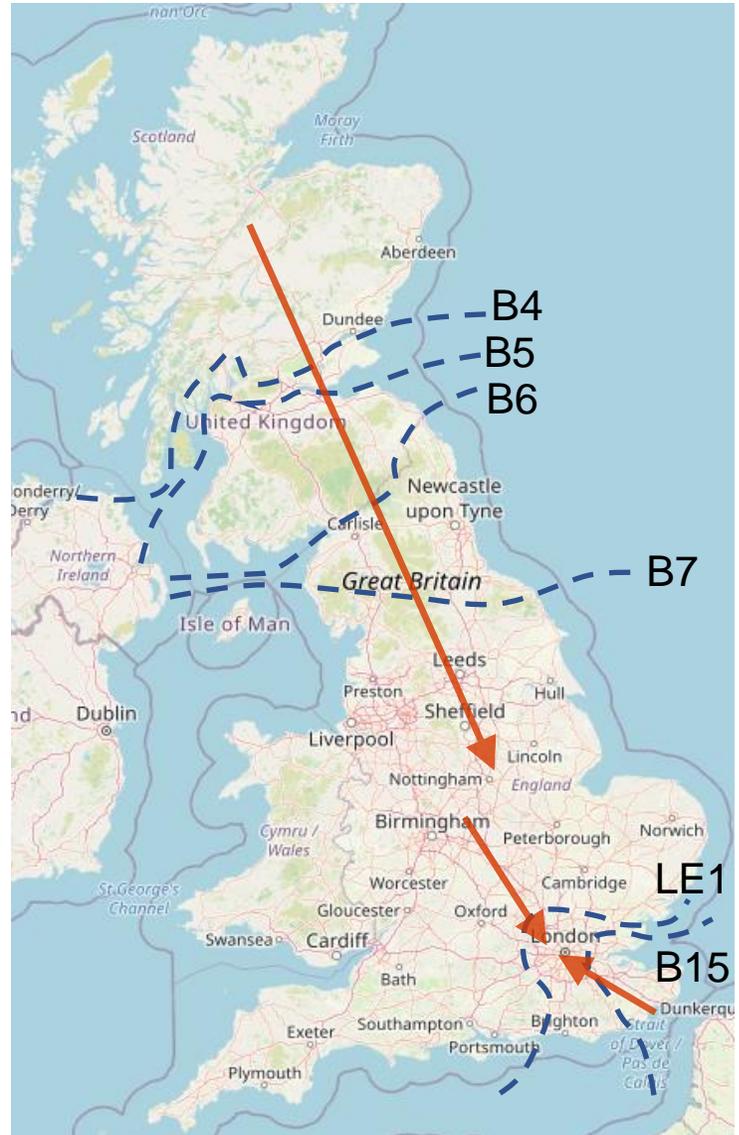
# ESO Actions | Monday 30 May Highest Spend ~£0.2m



# Transparency | Network Congestion

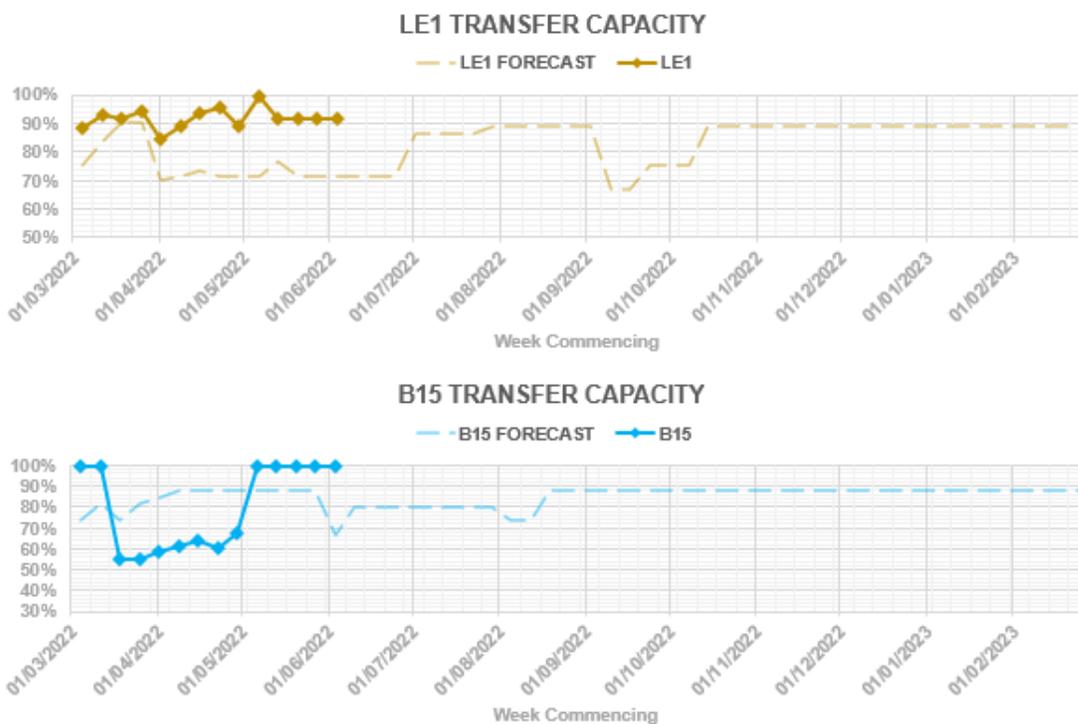


Boundary	Max. Capacity (MW)
B4/B5	2750
B6	5600
B7	8400
LE1	7000
B15	7500

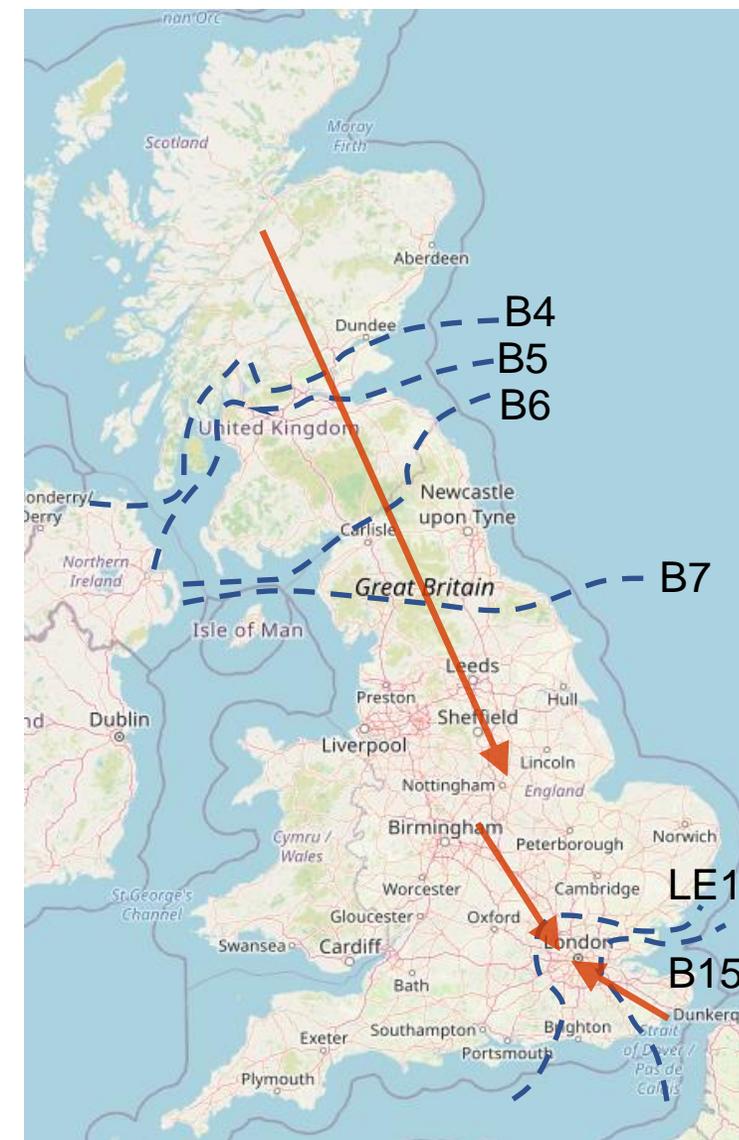


Day ahead flows and limits, and the 24 month constraint limit forecast are published on the ESO Data Portal: <https://data.nationalgrideso.com/data-groups/constraint-management>

# Transparency | Network Congestion



Boundary	Max. Capacity (MW)
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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>

**slido**



## **Audience Q&A Session**

① Start presenting to display the audience questions on this slide.

## Q&A

Please remember to use the feedback poll after the event. We welcome feedback to understand what we are doing well and how we can improve the event ongoing.

If you have any questions after the event, please contact the following email address: [box.NC.Customer@nationalgrideso.com](mailto:box.NC.Customer@nationalgrideso.com)

