Public

NESO Operational Transparency Forum

03 June 2026

Welcome to the Operational Transparency Forum!

You are in listen-only mode with your camera turned off.

Live Captioning Available. To enable live captions in Microsoft Teams:

- Click on the 3 dots icon / ‘More’
- Click ‘Turn on live captions’

NESO
National Energy System Operator

Key Points

Slido code #OTF

- **Ask Questions and give feedback:** Use **Sli.do event code #OTF.**
- **Submit early:** Ask questions early to give our experts time to answer.
- **No Edits:** Don't edit questions after submission; submit a new question, if needed.
- **Identify Yourself:** Provide your name or organization. Anonymous questions won't be answered live**.** If you have reasons to remain anonymous to the wider forum, please use the advance question or email options below.
- **Report Concerns:** Report concerns to the Market Monitoring team at **marketreporting@neso.energy.**
- **Question Order:** Questions are answered in upvoted order. Some may be taken away or answered later.
- **Sli.do Open:** Sli.do remains open **until 12:00** for maximum question opportunities. After that please use the advance questions or email options below.
- **Q&A:** All questions are recorded & published. Unanswered questions will be included in the next slide pack.
- **Ask questions anytime** whether for inclusion in the forum or individual response through our Advance Questions form or at: box.nc.customer@neso.energy.
- **Stay Updated:** Visit our webpage at: https://www.neso.energy/what-we-do/systems-operations/operational-transparency-forum for updates and previous OTF material.

Note: To access previous OTF webinars from Slido, click on the three lines to the left of forum title.

Focus Topics

Slido code #OTF

Today

- Update on Interconnector trading
- New record minimum demand- 24th May 2026

Future

- 10th June
  - Freedom of Information Requests
  - BP3 End Scheme report publication
- 17th June
  - No deep dive planned
- 24th June
  - May Balancing Costs

If you have questions/suggestions of areas to cover during above presentations or ideas for focus topics you would like us to consider, please send them to us at: box.nc.customer@neso.energy

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Response Reform June Webinar: MFR and Dynamic Response

Join us for the Response Reform webinar on **09 June 2pm – 3pm.**

This webinar will include current thinking on a compliant, accessible replacement for Mandatory Frequency Response (MFR) as well as aligning the technical requirements of the Dynamic Regulation (DR) service (e.g. 1 second response time, performance monitoring bands and grace period arrangements) with the other Dynamic Response Services.

Sign up here.

If you have any questions contact: box.futureofbalancingservices@neso.energy

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Reserve & Response: Request for Information

We have launched three Requests for Information as part of our Reserve and Response Reform programmes and welcome your feedback.

- **Locational Procurement Market Design**: NESO propose to transition procurement of Reserve and Response services on the EAC platform to a 12-zone model as opposed to the existing system-wide/national model in use today.
- **Reserve Reform RFI**: Following the launch of both Quick and Slow Reserve, and embedding of Balancing Reserve, NESO are keen to understand industry views on the existing design and implementation of the services for possible future iterations.
- **MFR and DR Reform**: NESO are seeking input on compliant, accessible replacement for Mandatory Frequency Response (MFR) as well as aligning the technical requirements of the Dynamic Regulation service with the other Dynamic Response Services.

Please respond by **03 July 2026**. Details on how to respond are included in each of the links above. We look forward to hearing your views.

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Future Event Summary

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Event	Date & Time	Link
Transmission Network Use of System (TNUoS) Tariff Model Training Workshop	9 June (9:30 – 16:00)	Register here (by 22nd May)
Response Reform Webinar: MFR and Dynamic Response	9 June (14:00-15:00)	Register here
NESO Markets, Balancing and Dispatch Summer System Update - London	22 June (09:00 – 17:30)	Register for London here
NESO Markets, Balancing and Dispatch Summer System Update - Glasgow	2 July (09:00 – 17:30)	Register for Glasgow here
Reserve & Response: Request for Information	Close date: 3 July	Locational Procurement Market Design Reserve Reform RFI MFR and DR Reform

Check out the NESO Events Calendar for more...

Public

Interconnector Operations Deep Dive

How does NESO manage ICs as part of the system?

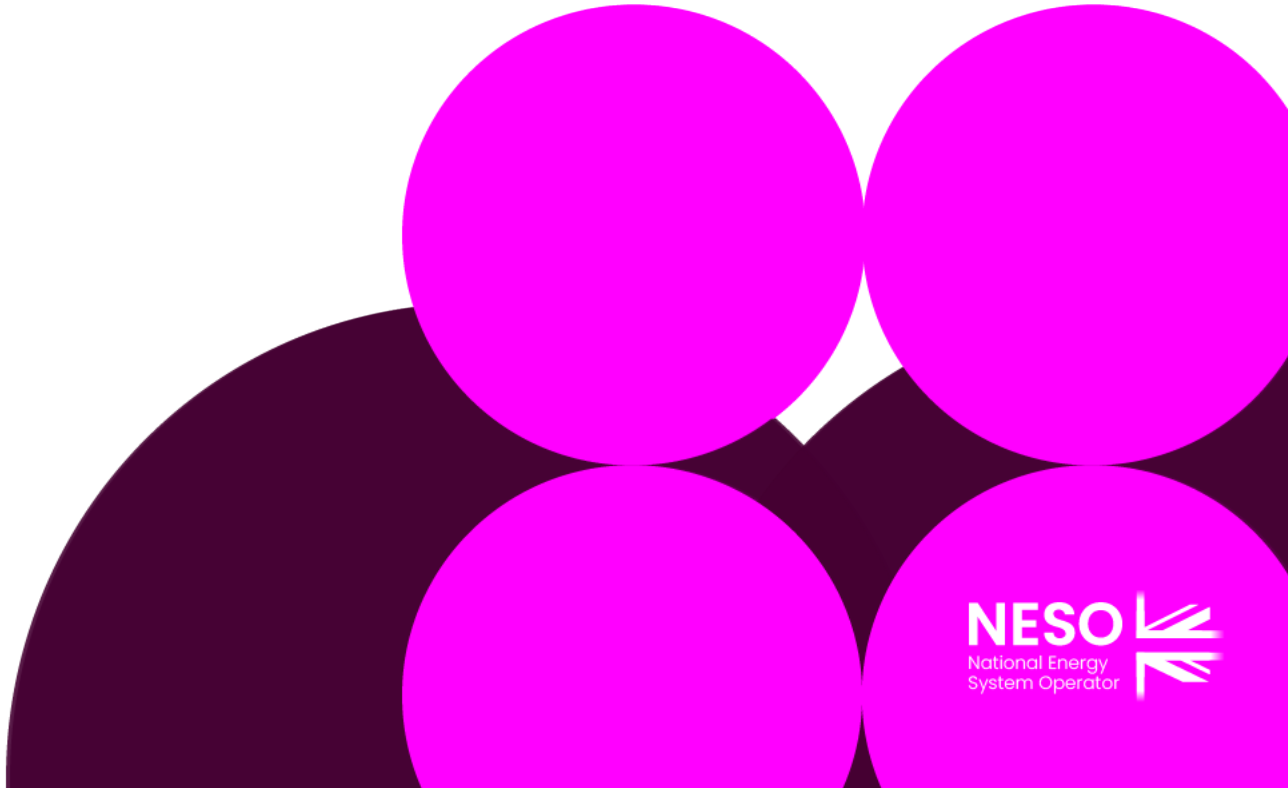
3rd June 2026

NESO
National Energy System Operator

Agenda

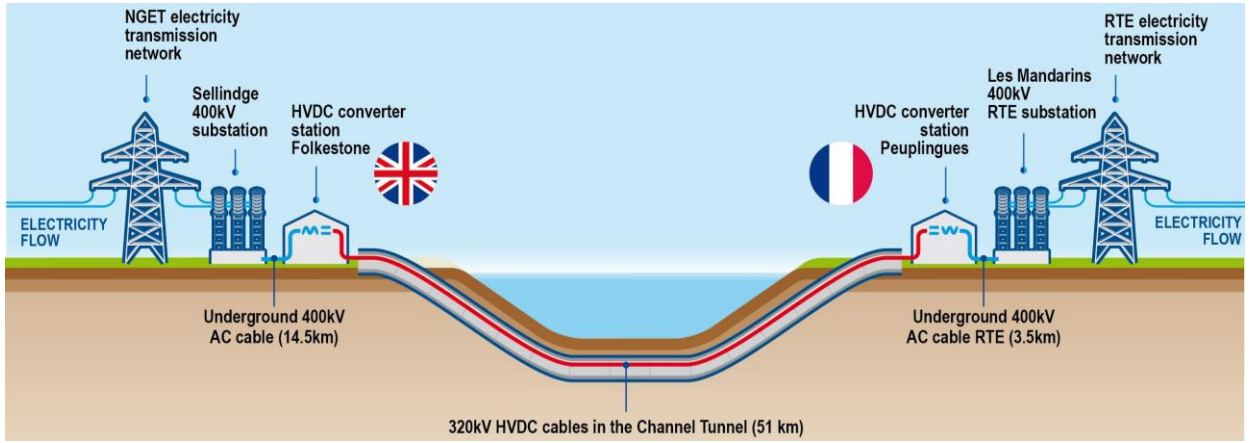
1. Interconnectors Overview
2. Interconnector Flows
3. Interconnector Actions Overview
4. Actions: Day-ahead
5. Actions: Intraday
6. Actions: Within Gate
7. Actions: Post Real Time

Interconnectors Overview

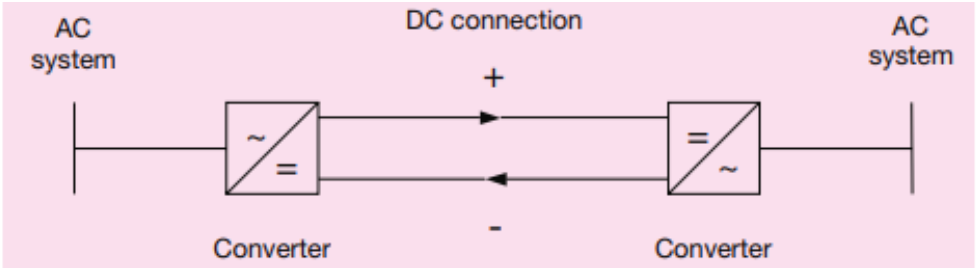


What is an Interconnector?

- Connects the electricity systems of two countries via high voltage direct current (HVDC) subsea cables.
- Allows the trading and sharing of electricity, with flows generally going from the country with the lowest price to the country with the highest price.
- Converter stations at each end of the cable convert DC back to AC, then connects to the onshore transmission network.

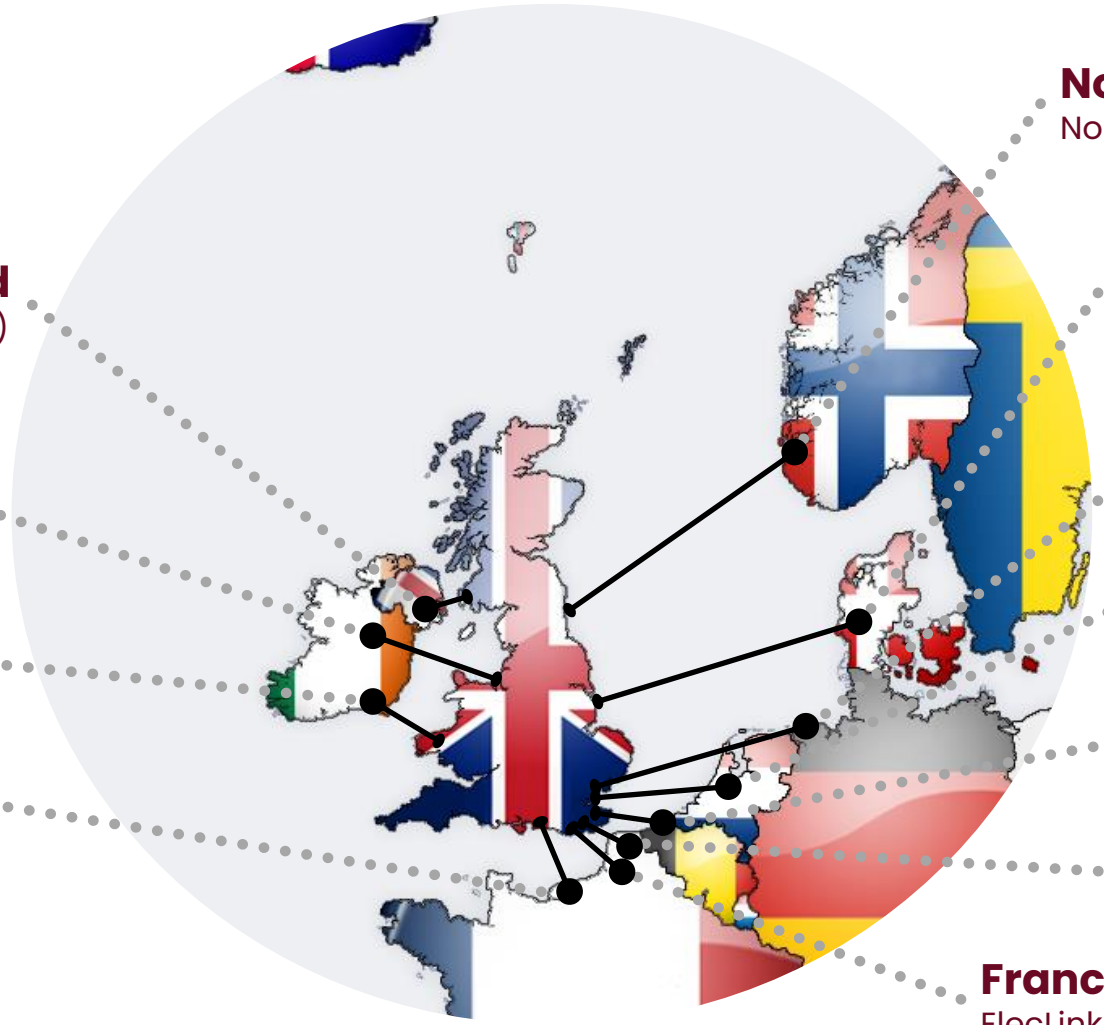


High Level ElecLink Diagram



High Level HVDC Interconnector Architecture

GB Interconnectors



Norway
North Sea Link (1.4 GW)

Denmark
Viking Link (1.4 GW)

Germany
Under construction:
NeuConnect (1.4 GW)

The Netherlands
BritNed (1 GW)

Belgium
NemoLink (1 GW)

France
IFA (2 GW)

France
ElecLink (1 GW)

N Ireland
Moyle (500 MW)

Ireland
EWIC (500 MW)

Ireland
GreenLink (500 MW)

France
IFA2 (1 GW)

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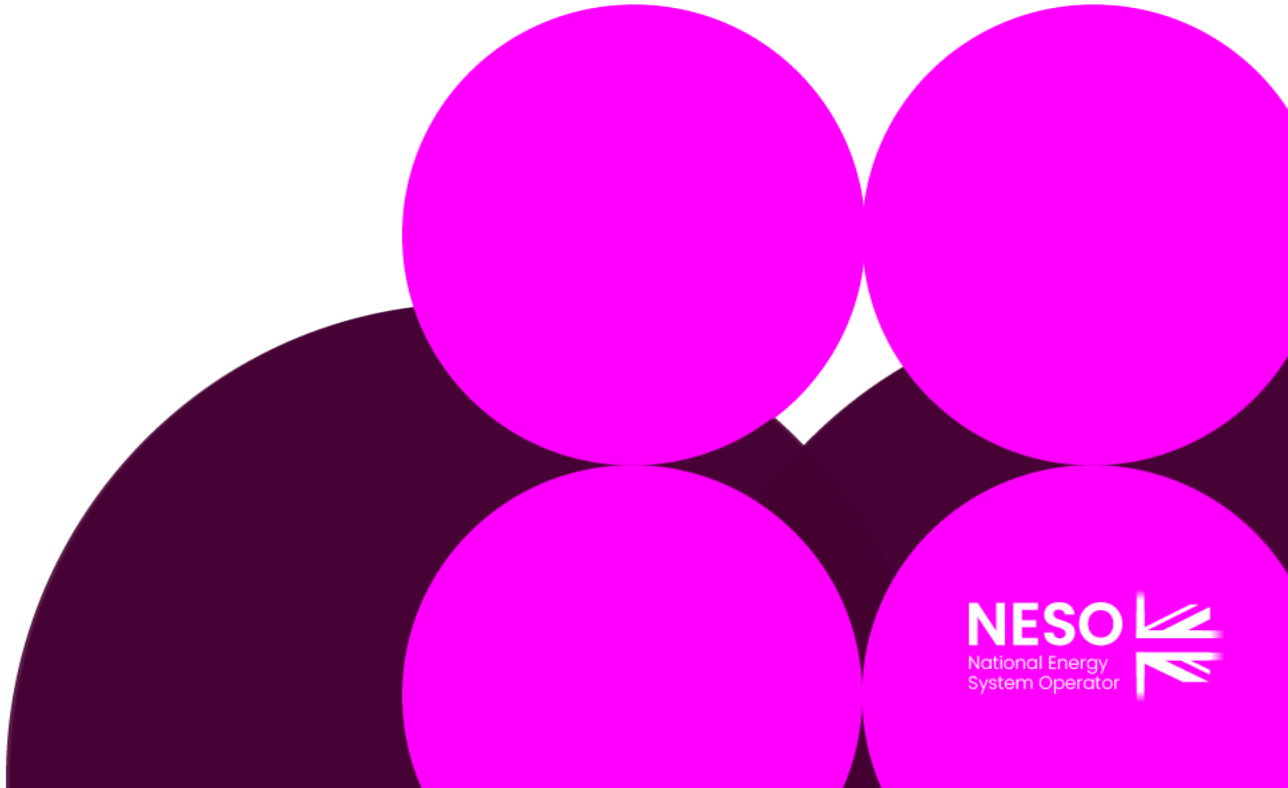
Interconnector Flows



What determines Interconnector Flows? (1)

Interconnector flows are market driven = They are set by Market Participants

- **They are not set by System Operators (e.g. NESO) or the Interconnector Owner(s)**
- Interconnector flows are set according to market prices on either side of the interconnector;
- In general, the ***spread/difference*** between the two market prices drive the interconnector flow;
    - Power will flow from the lower price market to the higher price market.
- How this spread translates to flow depends on the interconnector's **capacity allocation mechanism…**
- **Implicit**
    - Capacity is allocated 'implicitly' as a result of wholesale energy trades;
    - Usually determined by 'coupled' energy auctions;
- **Explicit**
    - Capacity must be bought 'explicitly' (as a specific product) by a market participant;
    - Capacity can then be nominated by the market participant, as required;
    - The corresponding energy must also be bought/sold *separately* within the national markets.

Coupled Energy Auction: *Power exchange order books in different regions are linked to implicitly allocate cross-border transmission capacity. More info here*: European Market Coupling | EPEX SPOT

What determines Interconnector Flows? (2)

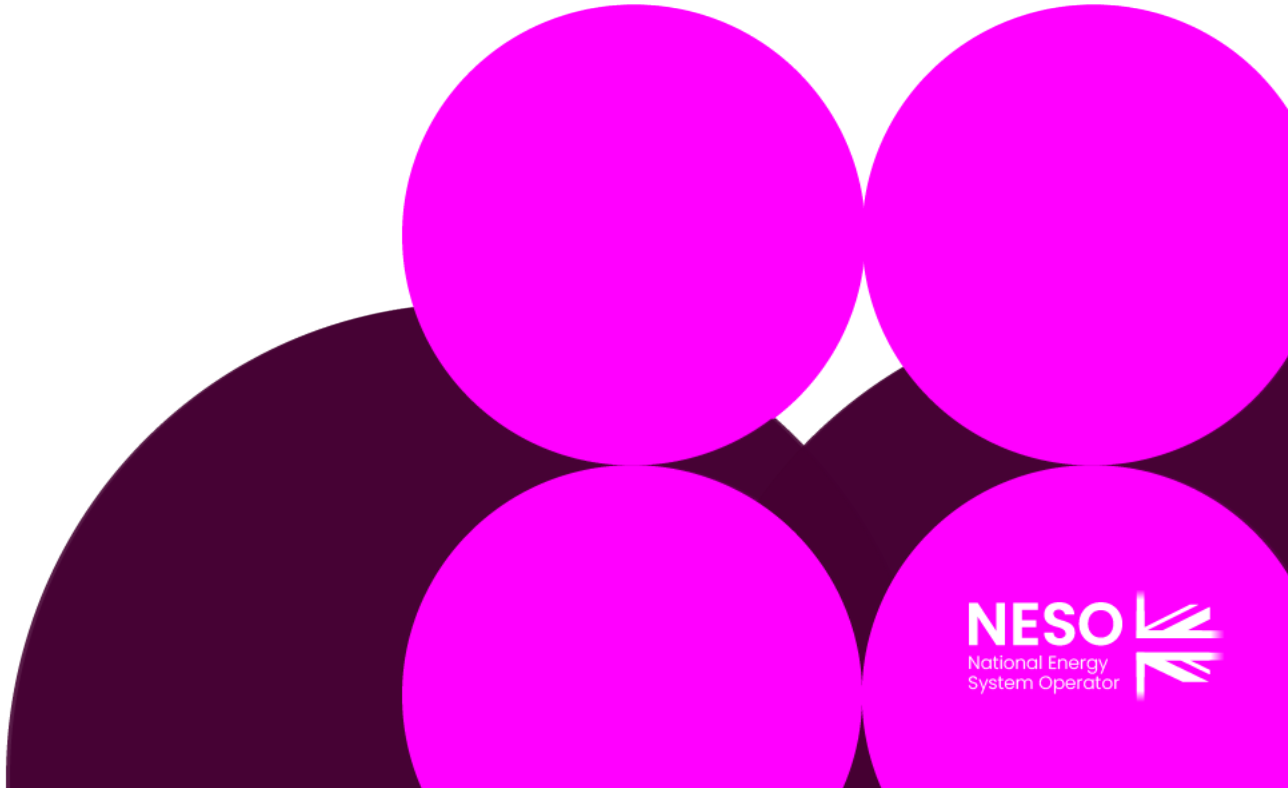
Interconnector flows are market driven = They are set by Market Participants

- GB interconnectors utilise a variety of capacity allocation mechanisms:
- Each mechanism usually covers a specified timeframe;
- Therefore, the *actual* or *forecast* **spread** (i.e. price difference between markets) is what is captured at that time.

Implicit Capacity Mechanisms	
Day-ahead:	Intraday:
NSL	EWIC, Moyle, Greenlink

Explicit Capacity Mechanisms		
Long Term:	Day-ahead:	Intraday:
IFA, IFA2, Eleclink, BritNed, NEMO, Viking Link	IFA, IFA2, Eleclink, BritNed, NEMO, Viking Link	IFA, IFA2, Eleclink, BritNed, NEMO, Viking Link

Interconnector Actions Overview



Why do we need to take actions on ICs?

- NESO takes actions on the interconnectors for margin or constraint reasons to maintain system security.
- Many new connections have been added to the network: demand, generation, ICs etc.
- Network is not infinite.
- Network reinforcement has not kept pace with connections.
- This can result in system constraints which NESO must manage.
- ENCC must assess system security to allow them to make decisions.

The main actions NESO take are as follows…

Order of Actions: Everyday Actions

Everyday Actions	Order	Comments
Reconfigure Transmission Network to reduce network congestion: Change substation running arrangements, Tap Quad Boosters, and make use of enhanced ratings	Normal operating practice – no cost	Changing daily operating conditions can result in different network configurations to reduce congestion.
Review and refine reserve requirement within day dependent on system conditions	Normal operating practice – no cost	Changing system conditions can relieve requirements for reserve or increase requirements. This can change at any time as the conditions change.
All deliverable Offer action on all available BM participants	#1 based on Cost	Scheduled from Day Ahead, action taken in real time – some offers may not be available due to network congestion.
Issue warming instructions to cold BM participants	#1 based on Cost	Scheduled from Day Ahead, action taken in real time.
Buy/Sell energy from continental Europe	#1 based on Cost	Scheduled from Day Ahead, action taken from Day Ahead to ~2hrs ahead of time by NESO Traders.
Reconfigure CCGTs to increase available energy (e.g.sync additional GTs)	#1 based on Cost	Scheduled from Day Ahead, managed within the control timescales within day.
SO-SO trade in cost order	#1 based on Cost	SO to SO trade with other SO in Europe/ Ireland.
Instruct Demand Flexibility product	#1 based on Cost	For predominantly peak periods (16:00 to 19:00) activated within day.

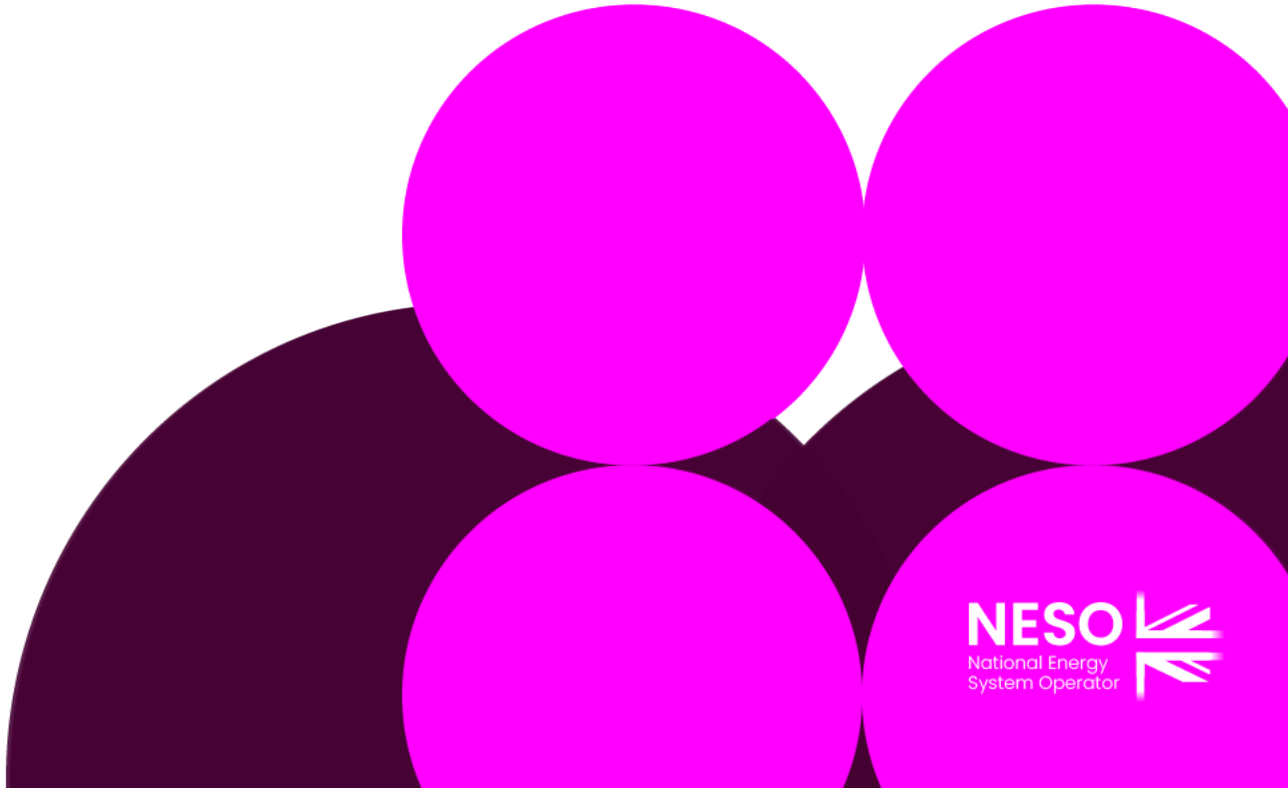
Order of Actions: Enhanced Actions

Enhanced Actions (if everyday actions are insufficient)	Order	Comments
Consider recalling TO assets from outage to increase available network capacity	#2	Anytime through to control room timescales, depending on ERTS (Emergency Return to Service) time and criticality of works.
Net Transfer Capacity/Intraday Trading Limit (NTC/ITL) restrictions	#3	Required to ensure I/C flows remain within operation security limits. Used as a last resort after all reasonable commercial actions and system optimisations have been taken. Can be use for margin extremes when an interconnector flow can result in an EMN or HRDR being issued (this is detailed further in the internal and external NTC policies).
Use of Emergency Assistance (EA) from other SO	#4	Enacted close to real-time. Only applicable if capacity is available on interconnectors. EA can be withdrawn at any time.

Order of Actions: Emergency Actions

Emergency Actions (if enhanced actions are insufficient)	Order	Comments
Emergency Instruction (EI) to interconnectors	#5	Only applicable if this does not cause demand control in the interconnected countries.
Use of MaxGen	#5	This should be used at the same time as EI to other SO. This service will be initiated by the issuing of an Emergency Instruction.
OC6.5.3 Fast Demand Control instructions to DNOs	#6	This could be via voltage control or demand control of fast disconnection blocks up to 20%, protecting critical sites.
OC6.5.4. Demand Control Rotation Protocol	#7	In-day rota'd demand control disconnections up to 40%, protecting critical sites. NESO has emergency powers to do this, when approved by Gold CMT.

Interconnector Actions: Day-ahead



Day-ahead Overview

Key Points

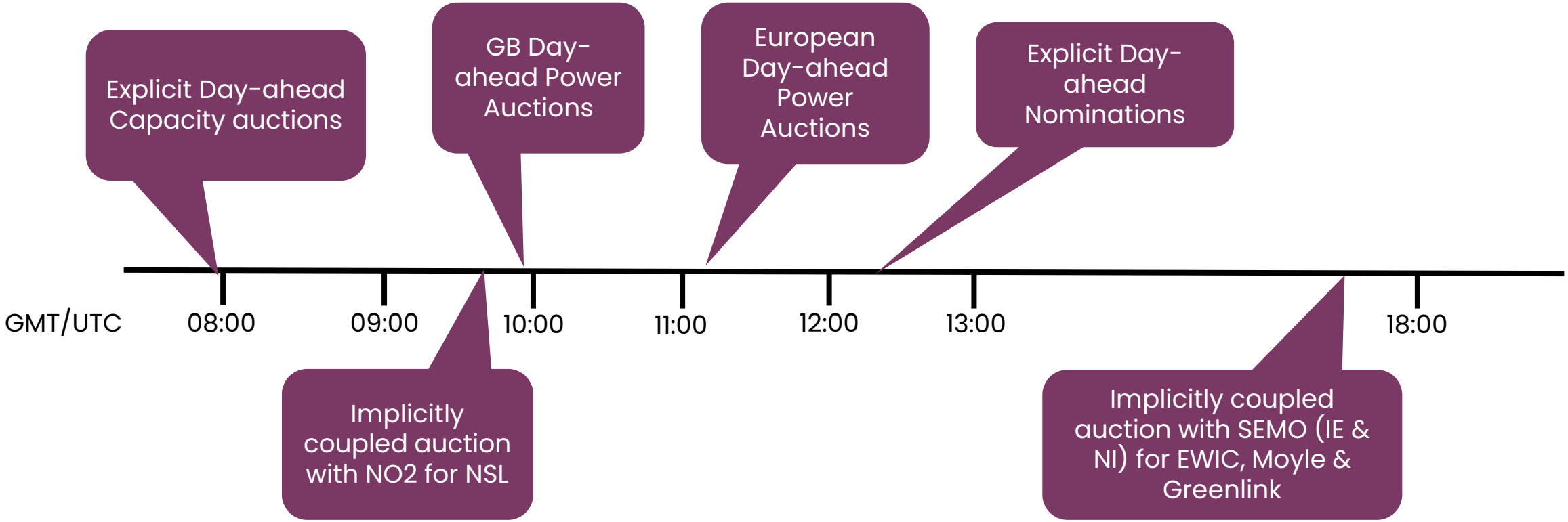
- An operational day runs from 23:00
- Not all ICs have the same timelines or provide the same services
- Simplified process to show as linear timeline

1. Day-ahead (i.e. before 23:00)

- The Strategy team in ENCC plan for a secure system 24-4 hours ahead of real time.
- This includes looking at generation and demand forecasts, margin and interconnector flows.
- If NTC or ITL restrictions are required, these are set by the Strategy team in the evening (different interconnectors have different deadlines between 16:00 and 20:30.)

Market Timings: Day-ahead

Timings are approximate

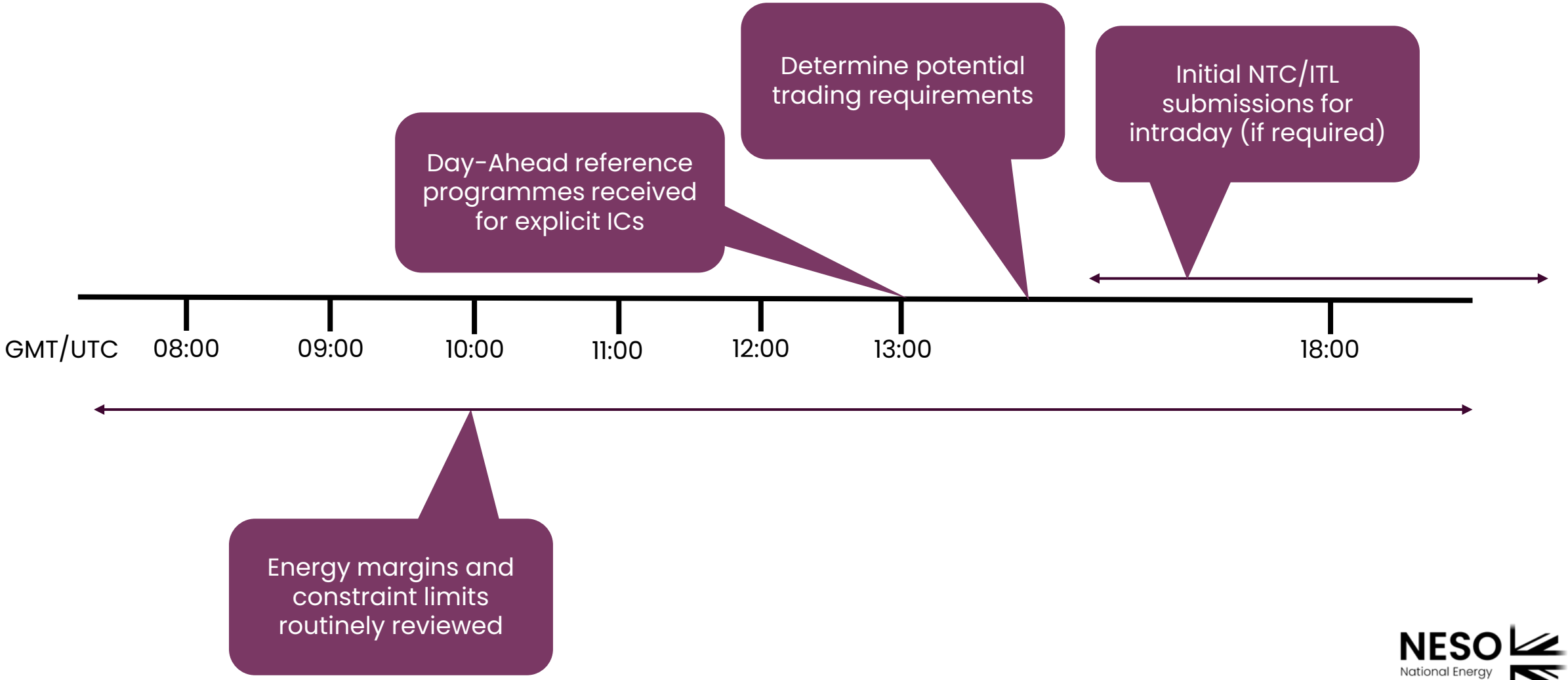


For detailed timings of capacity and implicitly coupled auctions see the relevant provider's website

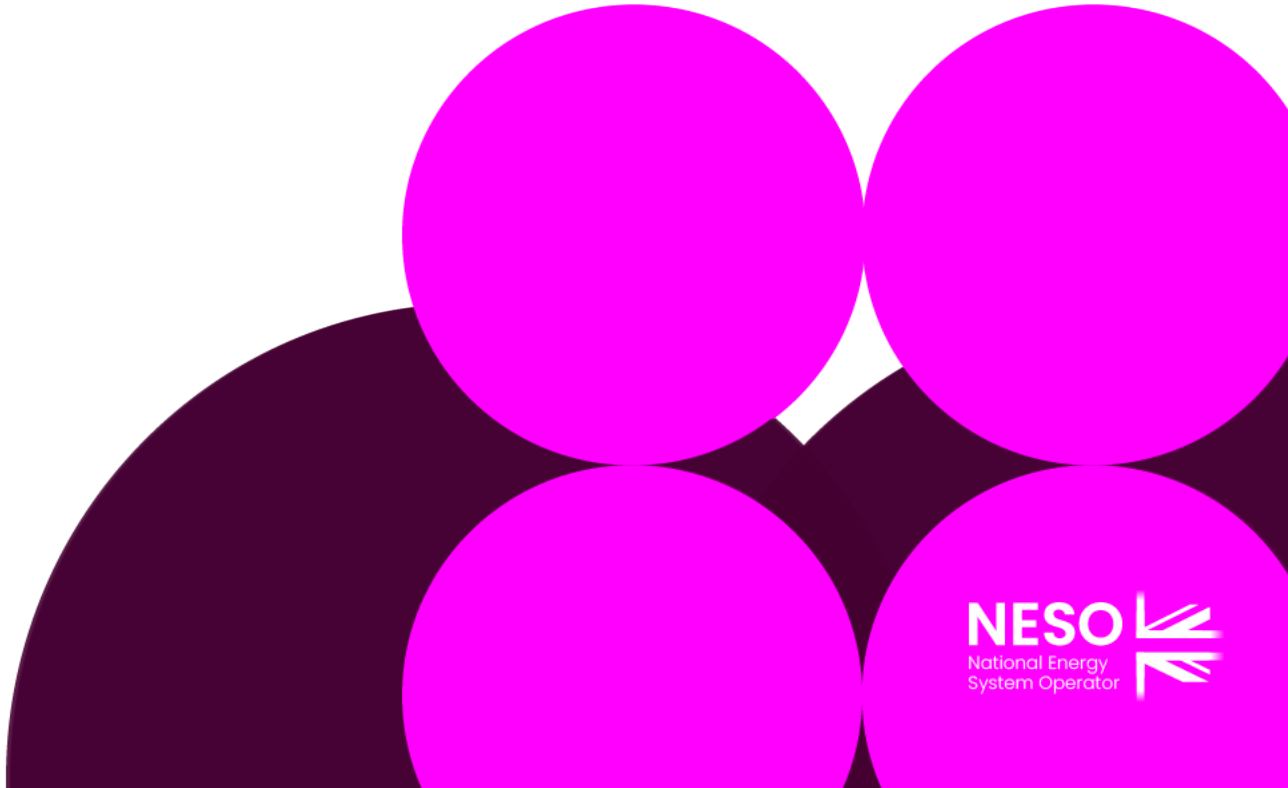
https://support.nordpoolgroup.com/support/solutions/articles/8000088463-about-the-n2ex-day-ahead-auction
https://www.epexspot.com/en/tradingproducts
https://www.semopx.com/markets/intraday-market/

NESO Timings: Day-ahead

Timings are approximate



Interconnector Actions: Intraday



Intraday Overview

2. Intraday (before gate-closure)

Decisions made are based on the information we have **available at the time.**

- IC intraday auctions
  - Trading
  - NTC/ITL can be updated for each ID auction.
- Assessing if SO-SO trades/emergency actions may be required (discussions with connected TSO)

NESO Interconnector (Market) Trading

Balancing Mechanism actions are not possible on Interconnectors.

Instead, Over-The-Counter (OTC) trading is used to adjust the flow where necessary.

- NESO's Trading team works with the Control Room to identify opportunities or required trades;
- Interconnector trades are arranged through competitive, ad-hoc auctions with *Qualified Counterparties* ;
- Trades are conducted during the '*Intraday*' timeframe, up to ~2 hours ahead of real-time delivery;
- Trades can take place on interconnectors which operate explicit capacity mechanisms;
    - **IFA,**
    - **IFA2,**
    - **Eleclink,**
    - **BritNed,**
    - **NEMO,**
    - **Viking Link**

Qualified Counterparties *– Companies who are registered interconnector users, and who have a signed GTMA with NESO, sufficient credit posted and completed the necessary testing with NESO's trading process.*

Interconnector Timings: Intraday (ID)

Time	23:00	23:30	00:00	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	06:30	07:00	07:30	08:00	08:30	09:00	09:30	10:00	10:30	11:00	11:30	12:00	12:30	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30	19:00	19:30	20:00	20:30	21:00	21:30	22:00	22:30
SP	47	48	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
IFA	ID1 - 18:15 - 18:45																ID2 - 04:15 - 04:45																ID3 - 12:15 - 12:45								ID4 - 16:15 - 16:45							
BritNed	ID1 - 18:30 - 19:00																ID2 - 04:50 - 05:20								ID3 - 08:50 - 09:20								ID4 - 12:50 - 13:20															
NemoLink	ID1 - 20:45 - 21:10												ID2 - 02:30 - 02:55												ID3 - 08:30 - 08:55												ID4 - 14:30 - 14:55											
IFA2	ID1 - 18:15 - 18:45																								ID2 - 08:15 - 08:45								ID3 - 12:15 - 12:45								ID4 - 16:15 - 16:45							
ElecLink	ID1 - 18:05 - 18:35																ID2 - 02:30 - 03:00																							ID3 - 14:30 - 15:00							
Viking Link	ID1 - 17:00 - 17:30																ID2 - 04:00 - 04:430																ID3 - 12:00 - 12:30								ID4 - 16:00- 16:30							

For detailed timings of capacity auctions see the relevant provider's website

IFA & IFA2: https://ifa1interconnector.com/auctions

BritNed: https://www.britned.com/market-dashboard/

NEMO: https://www.nemolink.co.uk/trade-with-us/

ElecLink: https://www.eleclink.co.uk/customers-auctions.php

Viking Link: https://www.viking-link.com/trade-with-us/auction

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NESO Interconnector (Market) Trading

Transparency of NESO trading actions

- NESO Interconnector Trade Requirements are published in real time,
- Then, once an auction completes, it is updated with results, in real time
  https://www.neso.energy/data-portal/interconnector-requirement-and-auction-summary-data
- Upcoming NESO trades (interconnector & other BMU) are published on individual basis:
  https://www.neso.energy/data-portal/upcoming-trades-0
- All historic NESO trades are published after delivery:
  https://www.neso.energy/data-portal/historic-gtma-grid-trade-master-agreement-trades-data
- During delivery, NESO trades are also displayed in DISBSAD:
  https://bmrs.elexon.co.uk/adjustment-actions-disbsad

EU – NESO Trading Limits

Market Notice detailing EU-NESO Trading restrictions

Restriction:

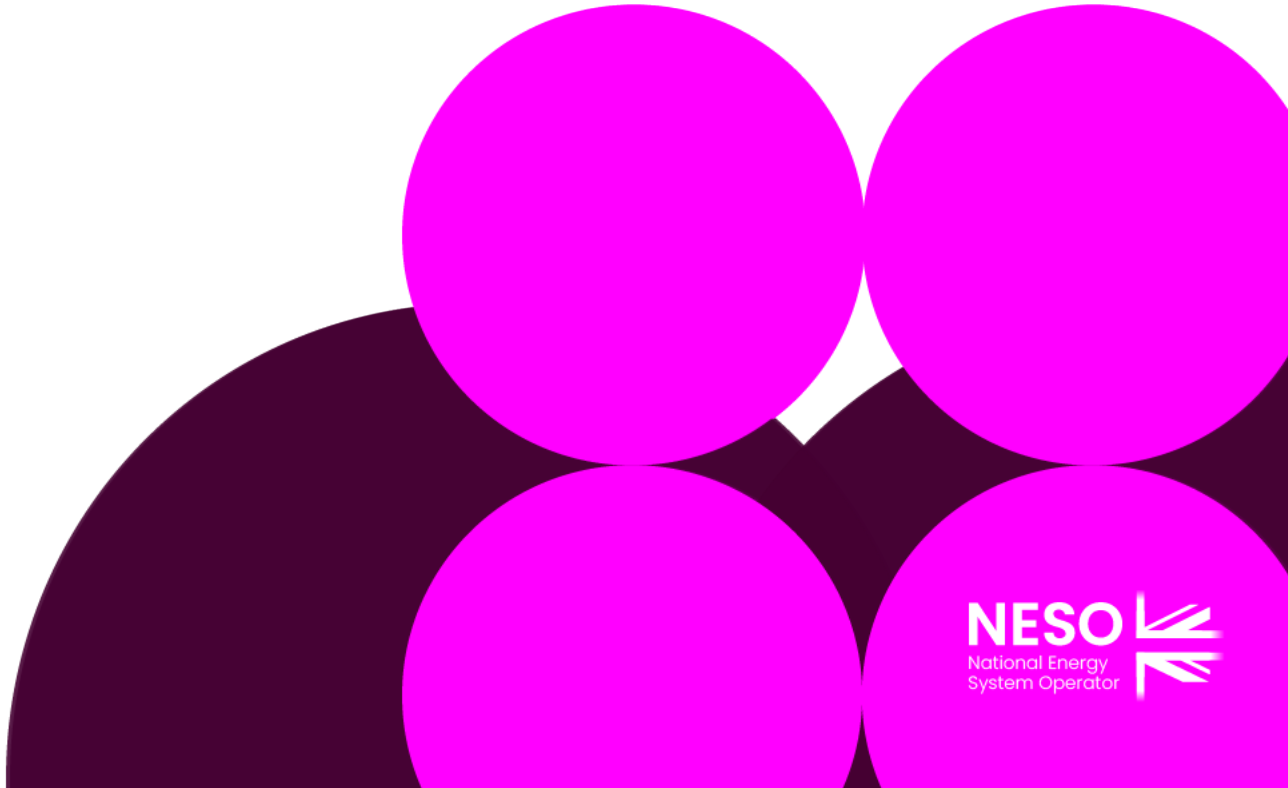
- Maximum of 300MW trade on an Interconnector if trading in *opposite* direction to the Day Ahead schedule (each Interconnector assessed independently)
- No restriction if trading in *same* direction as Day Ahead schedule
- AND, total of 1500MW across all affected Interconnectors
- Each hour assessed separately

Interconnector	Country	TSO
IFA, IFA2, ElecLink	France	RTE
Viking Link	Denmark	Energinet
BirtNed	Netherlands	TenneT
NEMO Link	Belgium	Elia

Key Points:

- Restriction is **only** on NESO trading activity, **not** market participants
- Short-term measure in place until the end of the year when a longer-term solution is planned
- NESO does not have concerns over electricity system security
- NESO can request additional volume above the limits if required for system security

Interconnector Actions: Within Gate



Within Gate Overview

3. Within Gate (Real Time)

Emergency Assistance/SO-SO trades can only be requested once we have the firm IC reference programmes.

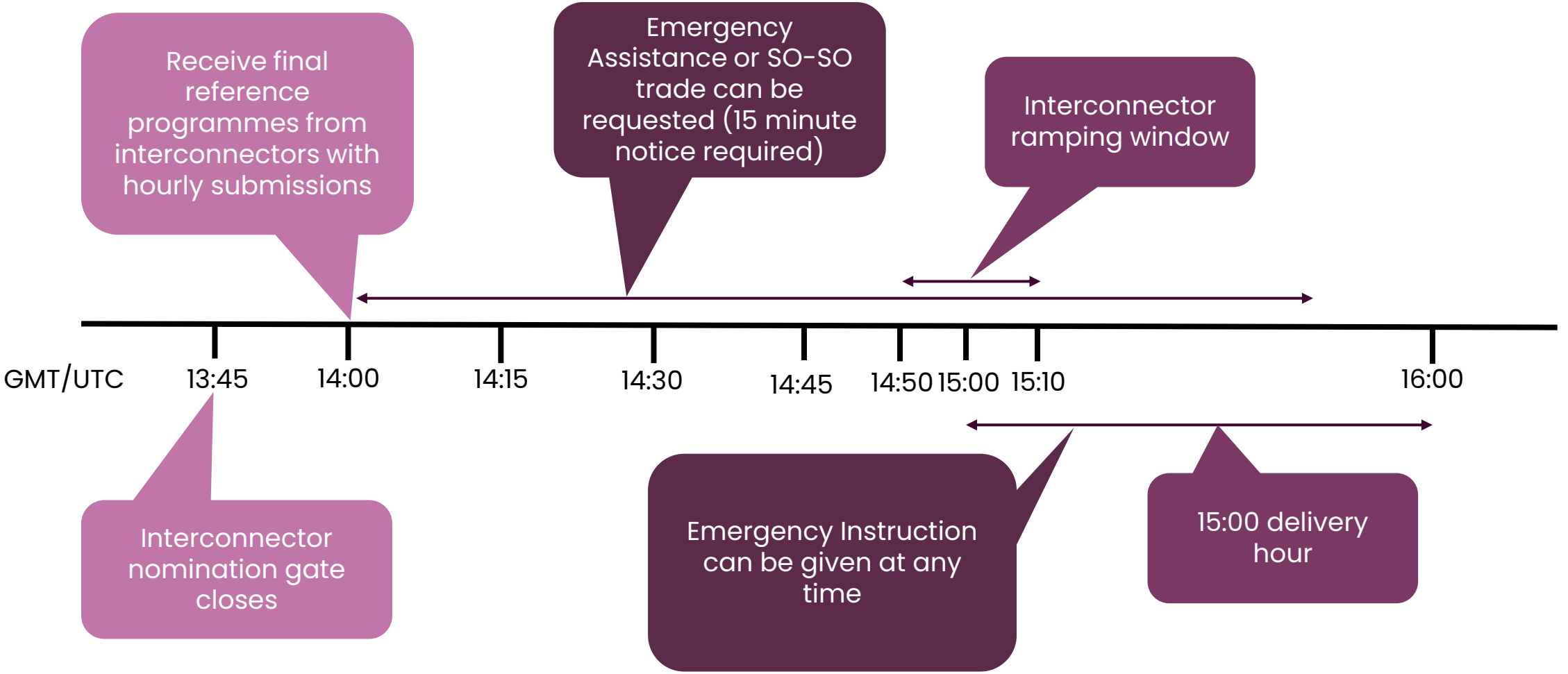
EA/EI could be needed for many reasons including:

- Market liquidity
- IT issues
- Market participant non-delivery
- Transmission system equipment faults

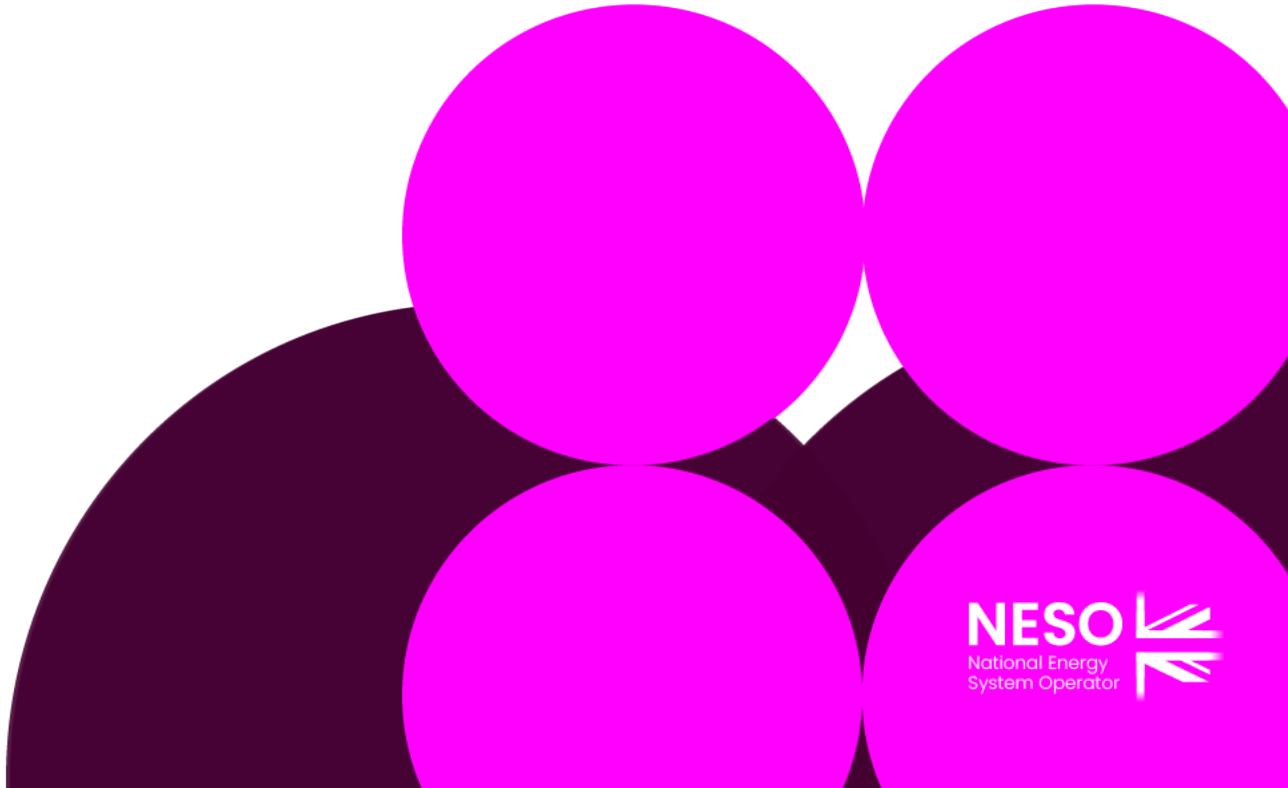
Example on next slide shown for a delivery hour of 15:00

Interconnector Timings– Within Gate

Timings are approximate



Interconnector Actions: Post Real Time



Post Real Time Overview

4. Post Real Time

- Ongoing trilateral operational discussions with Interconnector Operators and connected TSOs
- Costs & volumes are included in and reported via the final Balancing Services Adjustment Data (BSAD) at D+1 but can be re submitted or adjusted post – event.
- BSAD is published on the data portal (here) & provided to Elexon for Cashout calculations and is available on the Elexon Insights portal (Adjustment actions (DISBSAD) | Insights Solution)

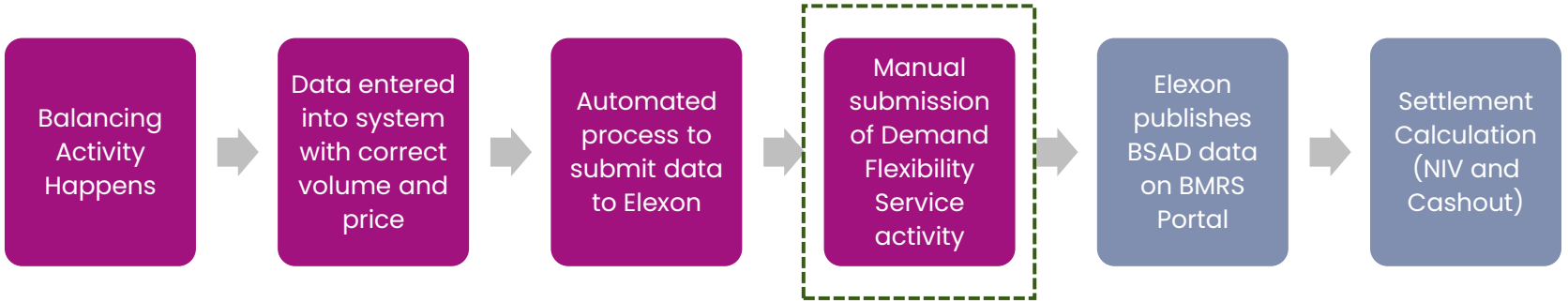
The BSAD methodology statement can be found here: BSAD Methodology

Useful Information regarding imbalance pricing including how BSAD feeds in can be found: Imbalance Pricing Guidance - Elexon Digital BSC

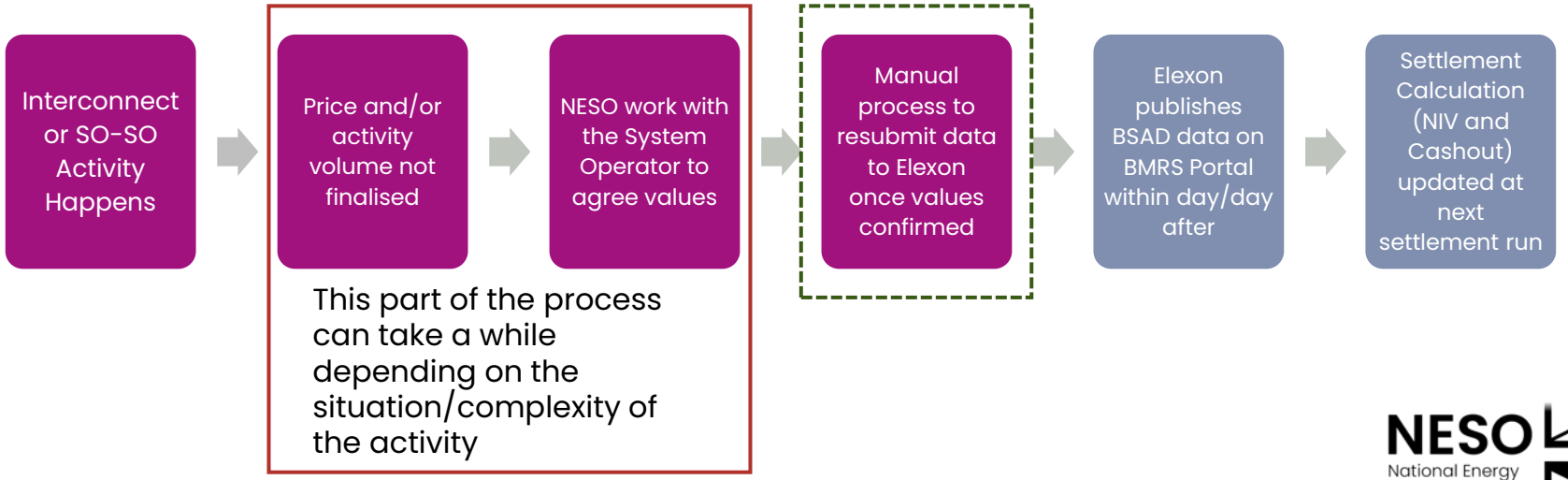
BSAD Process Resubmissions

NESO Activity
Elexon Activity

This is the process if there are no issues and is largely automated – from balancing activity to NESO submission is within/next day



This is the process when the activity is not agreed in real time or ahead of time e.g. System Operator to System Operator



Further Information

For more information on interconnector operations and services, please see the previous deep dives presented at OTF:

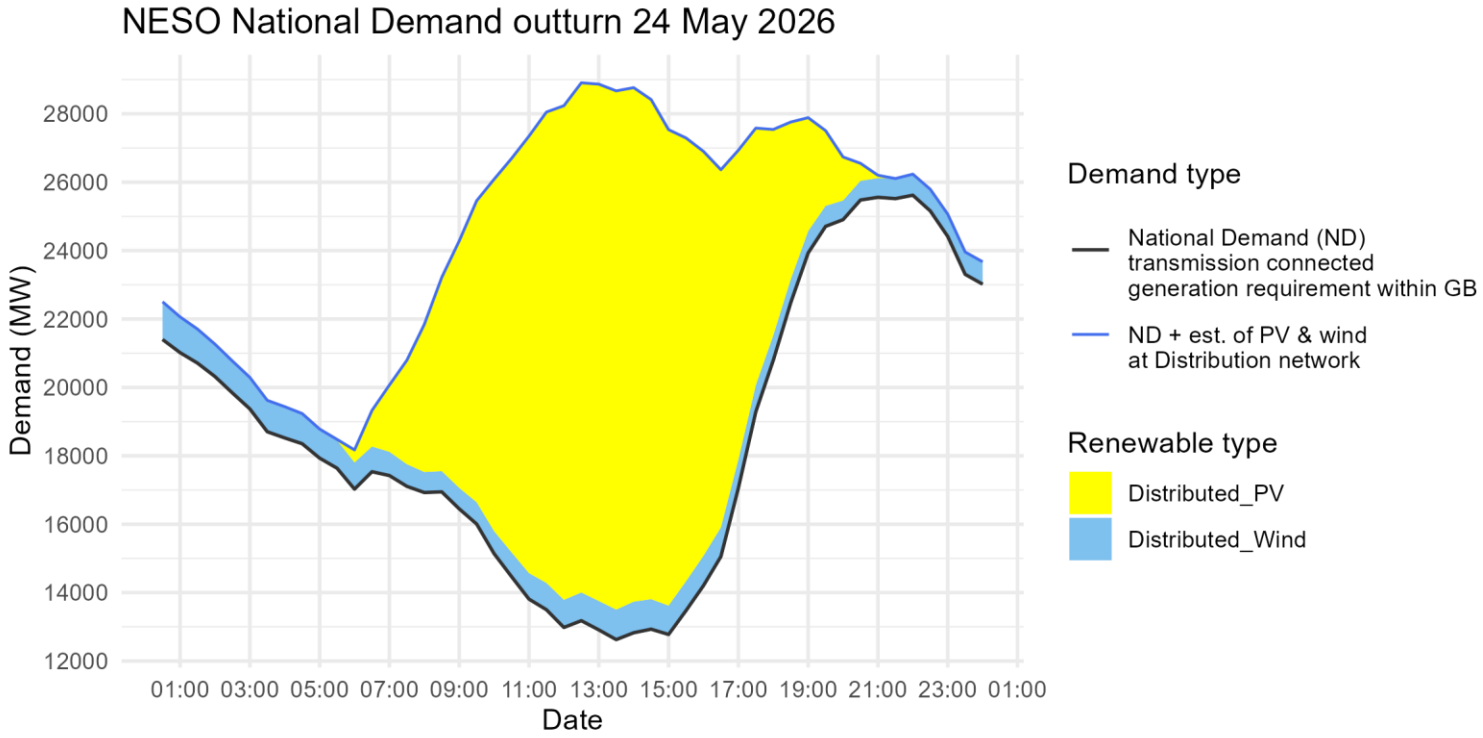
Settlements BSAD Deep Dive 26th February 2025

Interconnector Refresh 5th March 2025

Interconnector Special 8th March 2023

Demand | New record minimum demand

Slido code #OTF



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 NESO has no real time data.

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

From March to October, the table will display overnight minimum (between 00:00 and 07:30) and daytime minimum (between 07:30 and 16:30) as well as an additional column: distributed PV.

Distributed generation

Peak values

OUTTURN	
Daily Max Dist. PV (GW)	Daily Max Dist. Wind (GW)
15.2	1.1

National Demand

Minimum Demands

OUTTURN			
Time	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
06:00	17.0	0.8	0.4
13:30	12.6	0.9	15.2

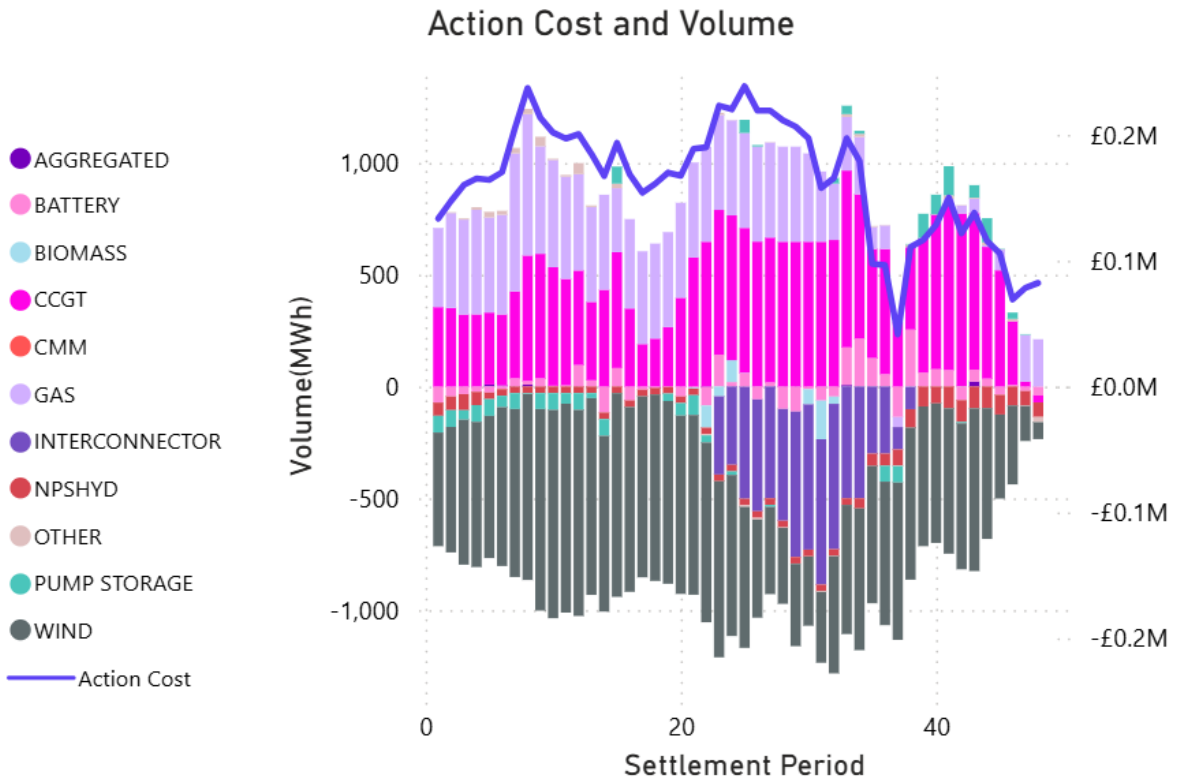
National Demand

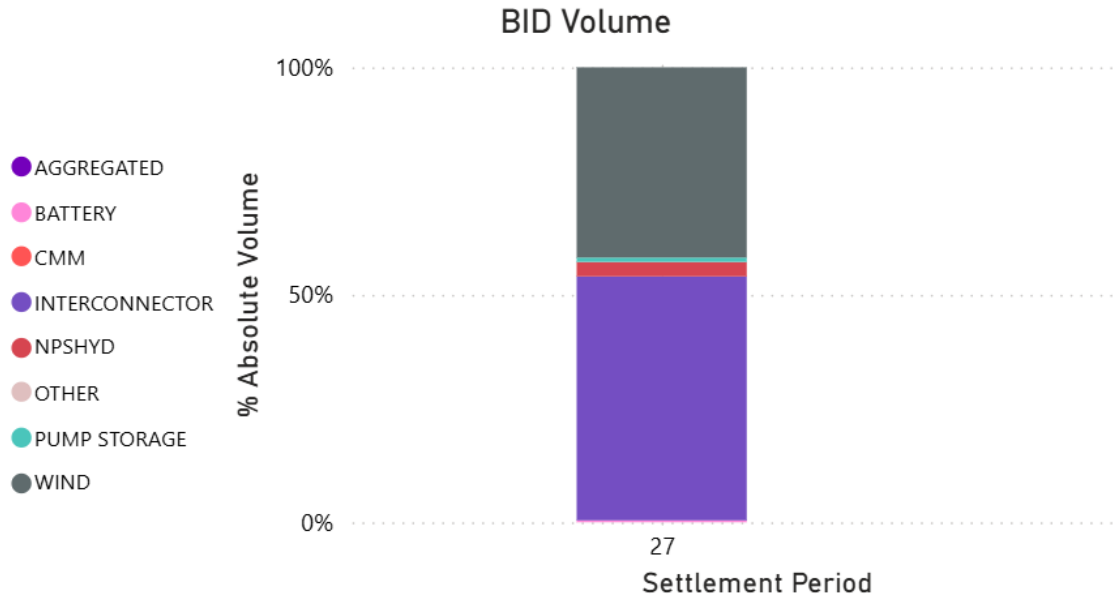
Previous Minimum Demand

OUTTURN				
Date	Time	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
2025-05-25	15:00	12.8	5.1	10.6

Demand | New record minimum demand

Slido code #OTF





Aggregated cost of action taken in BM and breakdown of fuel type by volume

- 35% of all actions on this day were wind, some interconnector actions taken throughout late morning/afternoon period
- 5% of actions taken in the BM were on batteries throughout the day - ranging from 0 to 15% of actions depending on settlement period

Percentage of Absolute Volume of Bids taken in the lowest demand SP

- Bids over Interconnectors outweighed wind curtailment in this settlement period
- 0.4% of actions were on batteries
- Offers taken within and around this settlement period were taken for voltage and inertia support, not for replacement energy of Thermal Constraint Actions

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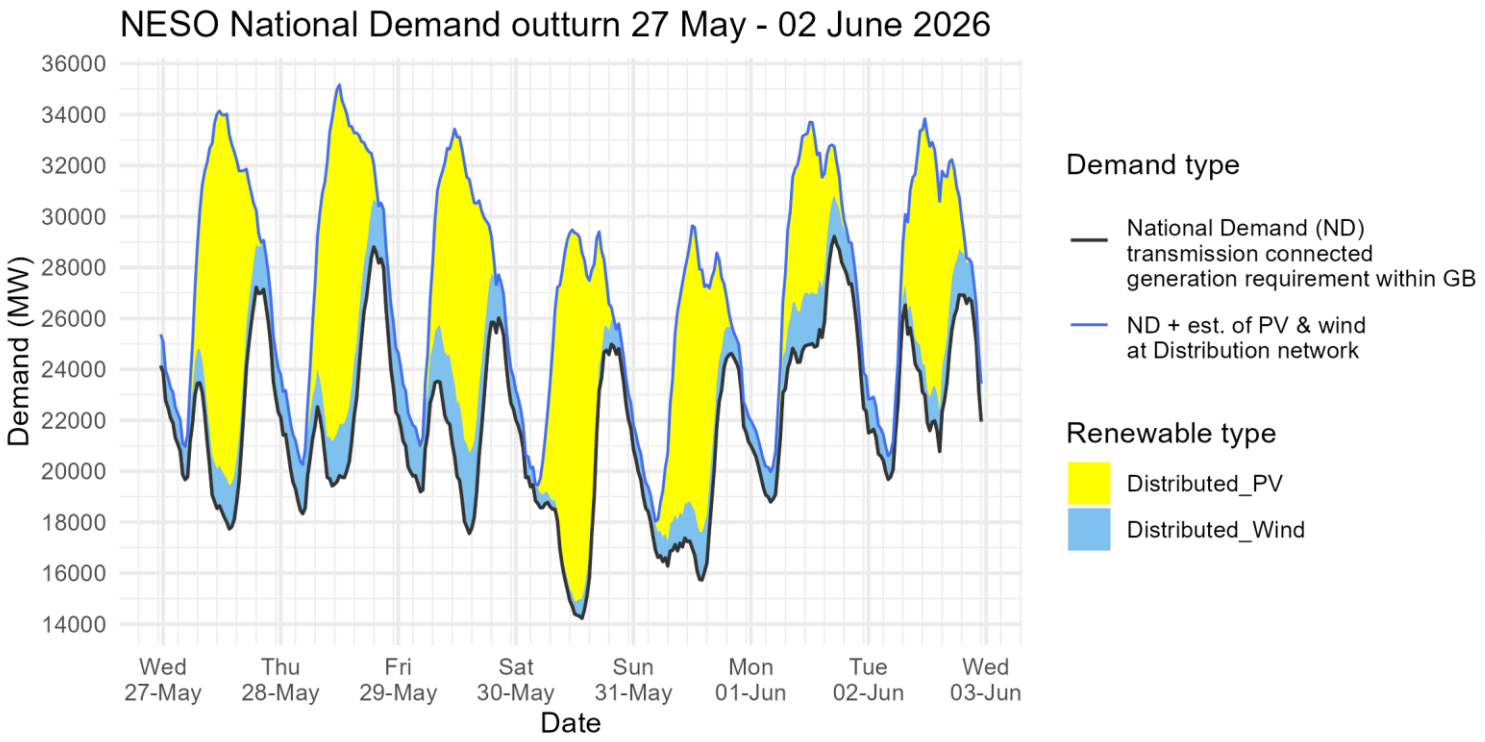
Demand | Last week demand out-turn

Slido code #OTF



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 NESO has no real time data.

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

From March to October, the table will display overnight minimum (between 00:00 and 07:30) and daytime minimum (between 07:30 and 16:30) as well as an additional column: distributed PV.

Distributed generation

Peak values by day

Date	OUTTURN	
	Daily Max Dist. PV (GW)	Daily Max Dist. Wind (GW)
27 May 2026	14.3	2.0
28 May 2026	13.5	2.6
29 May 2026	10.8	3.3
30 May 2026	14.5	1.3
31 May 2026	11.1	1.9
01 Jun 2026	6.8	2.1
02 Jun 2026	10.0	2.0

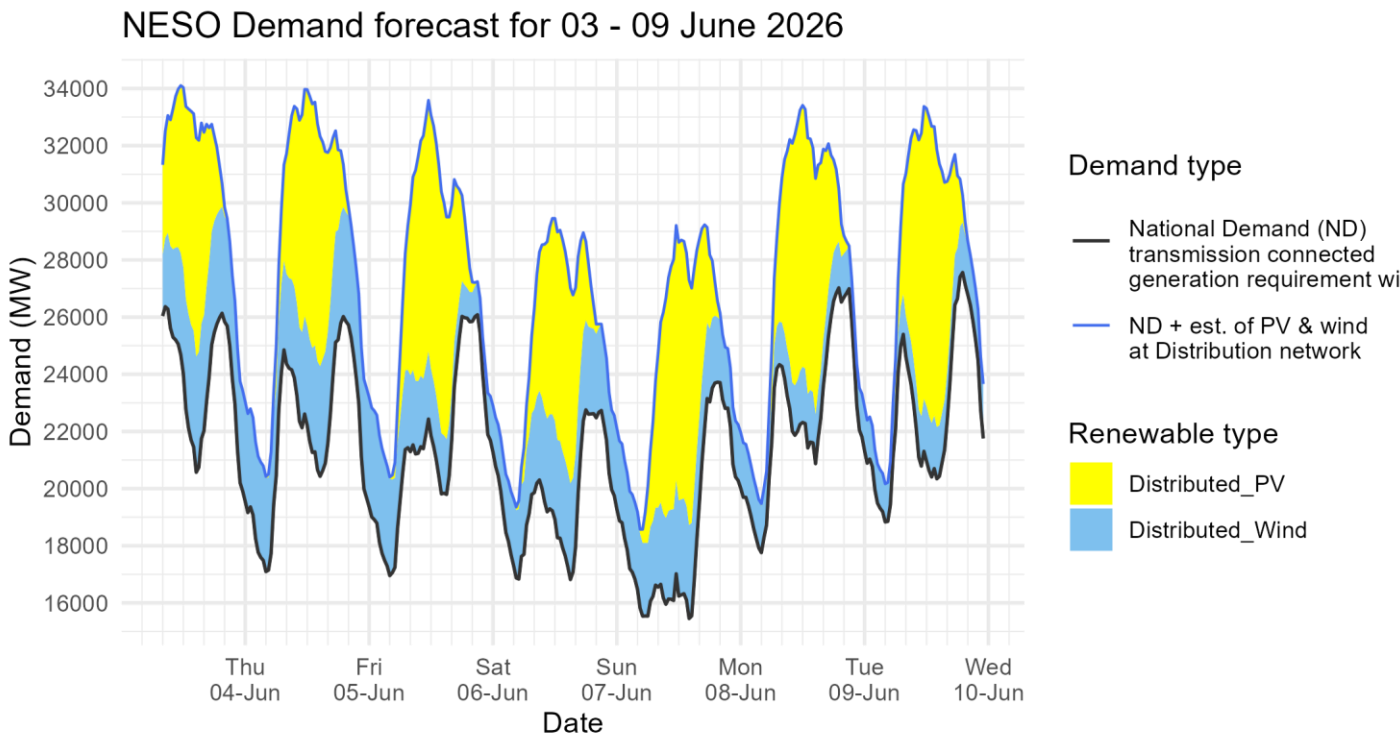
National Demand

Minimum Demands

Date	Forecasting Point	FORECAST (Wed 27 May)			OUTTURN		
		National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
27 May 2026	Daytime Min	19.4	1.7	12.9	17.7	1.7	13.8
28 May 2026	Overnight Min	18.9	1.8	0.0	18.3	1.9	0.1
28 May 2026	Daytime Min	19.7	1.6	13.0	19.4	1.8	12.7
29 May 2026	Overnight Min	18.8	2.0	0.0	19.2	1.7	0.1
29 May 2026	Daytime Min	18.0	2.6	11.3	17.6	3.2	10.7
30 May 2026	Overnight Min	18.1	0.6	2.5	18.6	0.6	0.6
30 May 2026	Daytime Min	16.2	1.2	12.0	14.2	0.8	13.6
31 May 2026	Overnight Min	16.8	1.4	0.1	16.5	1.0	1.8
31 May 2026	Daytime Min	17.0	2.1	9.2	15.7	1.9	10.3
01 Jun 2026	Overnight Min	18.2	1.1	0.1	18.8	1.2	0.0
01 Jun 2026	Daytime Min	23.3	2.2	5.9	23.2	1.5	3.0
02 Jun 2026	Overnight Min	18.2	1.9	0.0	19.7	0.9	0.0
02 Jun 2026	Daytime Min	19.8	2.4	10.4	20.8	1.6	8.2

Demand | Week Ahead

Slido code #OTF



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

From March to October, the table will display overnight minimum (between 00:00 and 07:30) and daytime minimum (between 07:30 and 16:30) as well as an additional column: distributed PV.

National Demand

Minimum Demands

		FORECAST (Wed 03 Jun)		
Date	Forecasting Point	National Demand (GW)	Dist. wind (GW)	Dist. PV (GW)
03 Jun 2026	Daytime Min	20.6	4.1	7.7
04 Jun 2026	Overnight Min	17.1	3.3	0.1
04 Jun 2026	Daytime Min	20.4	3.9	8.0
05 Jun 2026	Overnight Min	17.0	3.4	0.1
05 Jun 2026	Daytime Min	19.8	1.9	7.8
06 Jun 2026	Overnight Min	16.8	2.5	0.3
06 Jun 2026	Daytime Min	16.8	3.4	6.8
07 Jun 2026	Overnight Min	15.5	2.6	0.5
07 Jun 2026	Daytime Min	15.5	3.3	8.6
08 Jun 2026	Overnight Min	17.8	1.6	0.1
08 Jun 2026	Daytime Min	20.9	1.7	8.3
09 Jun 2026	Overnight Min	18.8	1.3	0.0
09 Jun 2026	Daytime Min	20.3	1.8	9.7

Public

NESO Actions | Category Cost Breakdown

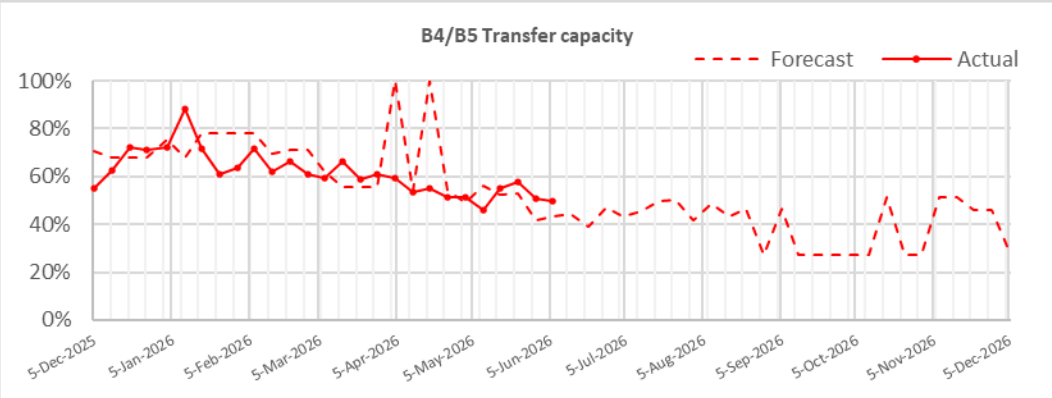
Slido code #OTF

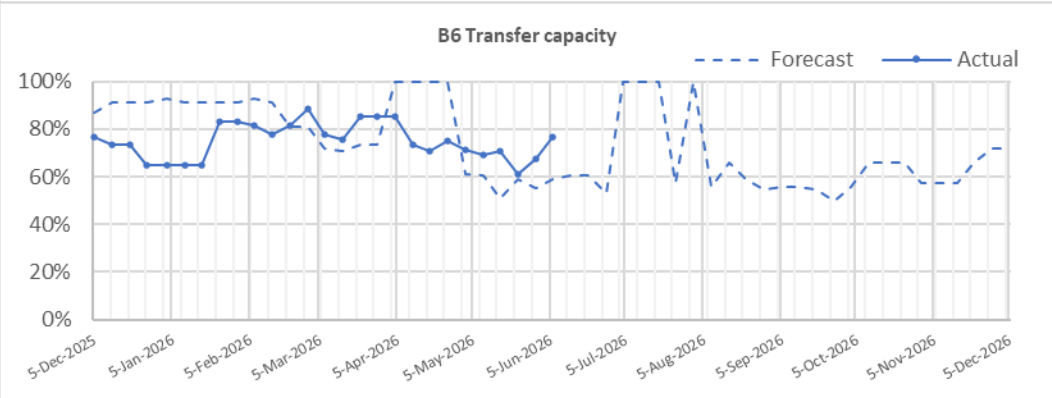
Due to some in-house tool issues we do not currently have the most recent balancing cost breakdown data. We are currently working on a solution & will update ASAP.

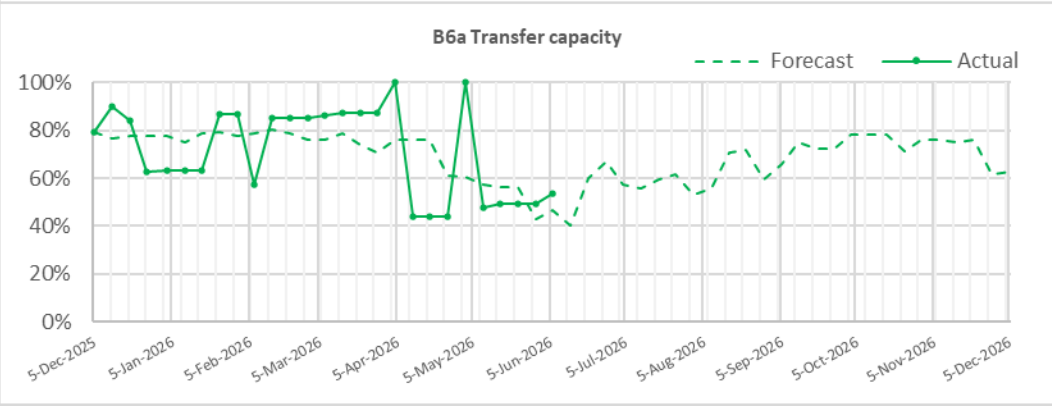
NESO
National Energy System Operator

Transparency | Network Congestion

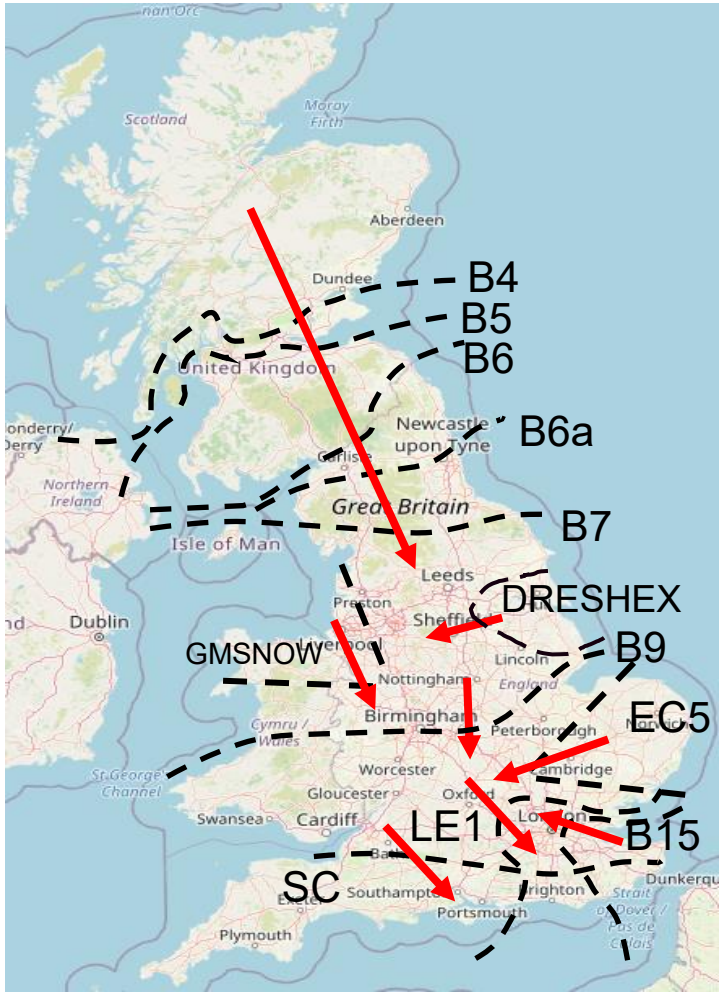
Slido code #OTF







Boundary	Max. Capacity (MW)	Current Capacity (%)
B4/B5	3400	50
B6 (SCOTEX)	6800	76
B6a	8000	54
B7 (SSHARN)	9850	64
GMSNOW	5800	39
FLOWSTH (B9)	12700	79
DRESHEX	9675	44
EC5	5000	100
LE1 (SEIMP)	8750	69
B15 (ESTEX)	7500	73
SC1	7300	55



The forecast line is updated with the 12-week ahead view, and this happens each week. So, everything up to 12 weeks ahead is the forecast from 12-week ahead view, and everything after that is the fixed long-term forecast view.

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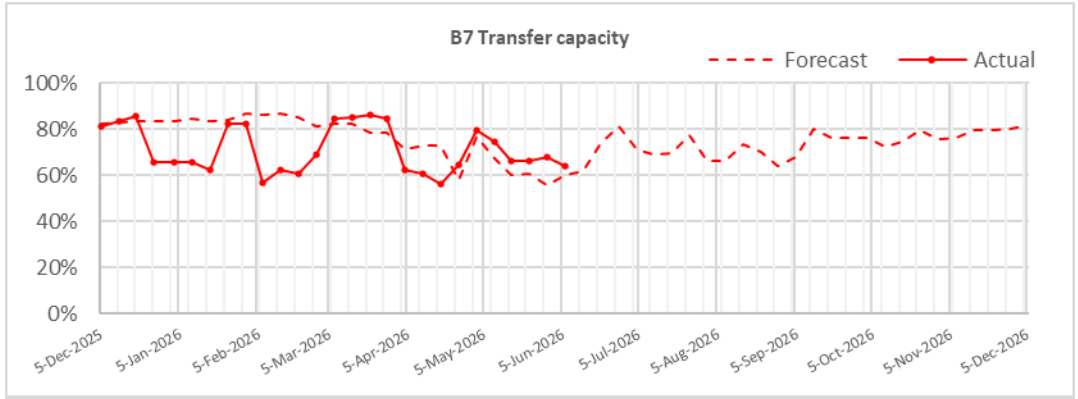
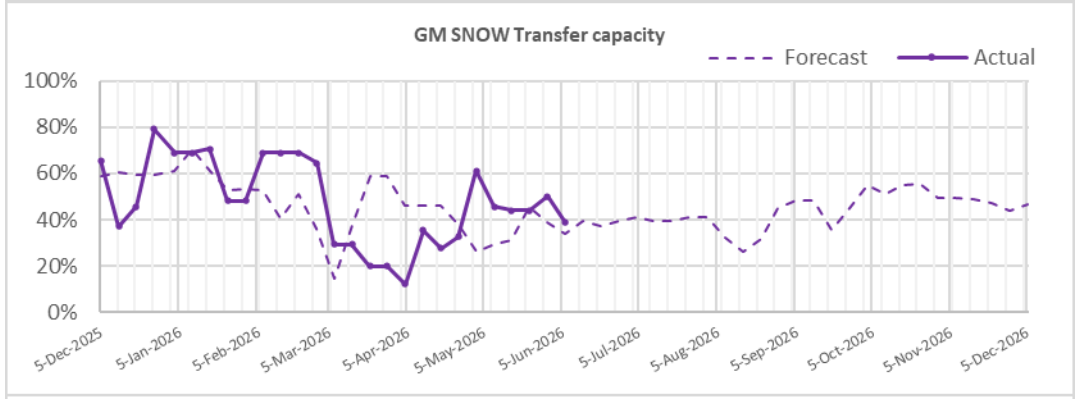
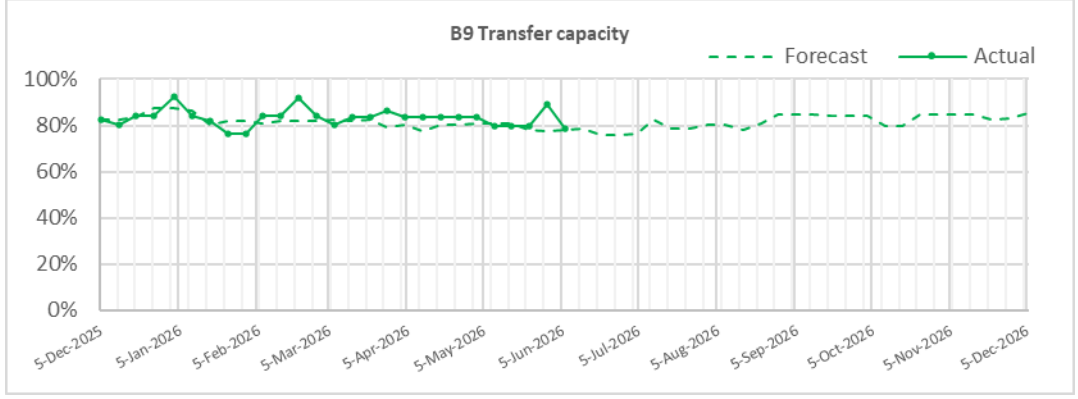
Transparency | Network Congestion







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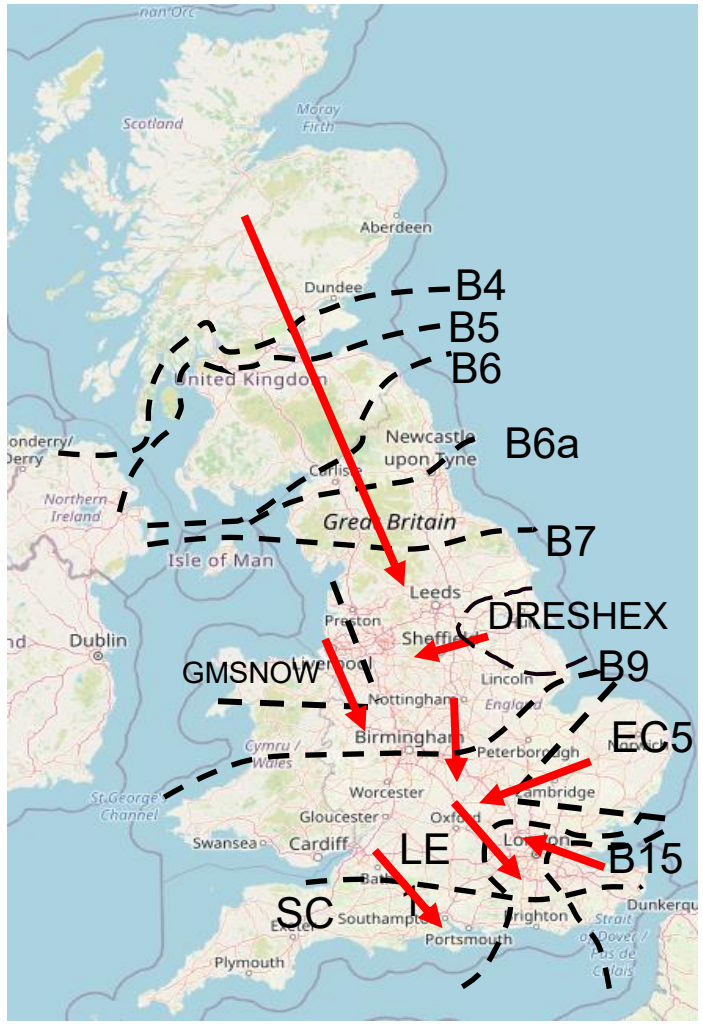
GMSNOW	5800	39
FLOWSTH (B9)	12700	79
DRESHEX	9675	44
EC5	5000	100
LE1 (SEIMP)	8750	69
B15 (ESTEX)	7500	73
SC1	7300	55

Slido code #OTF



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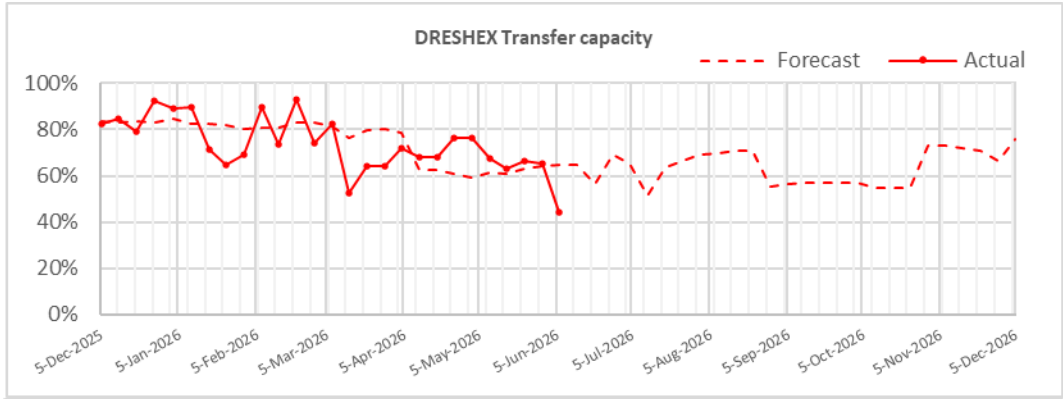
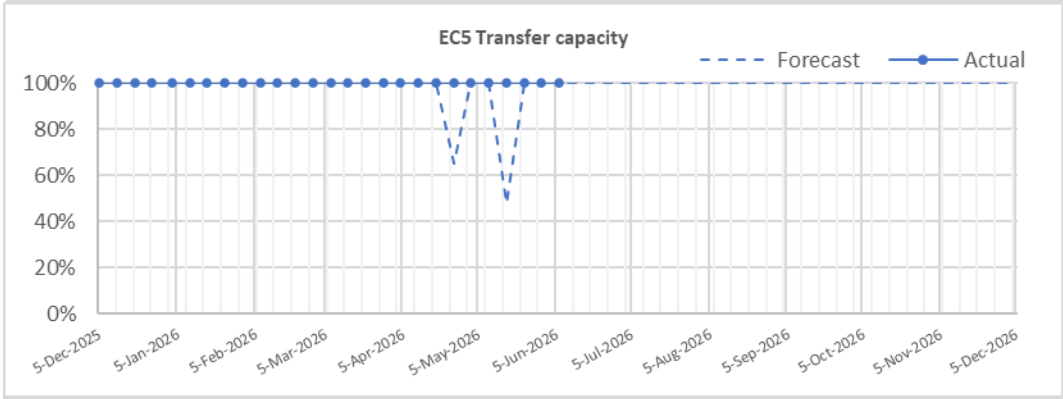
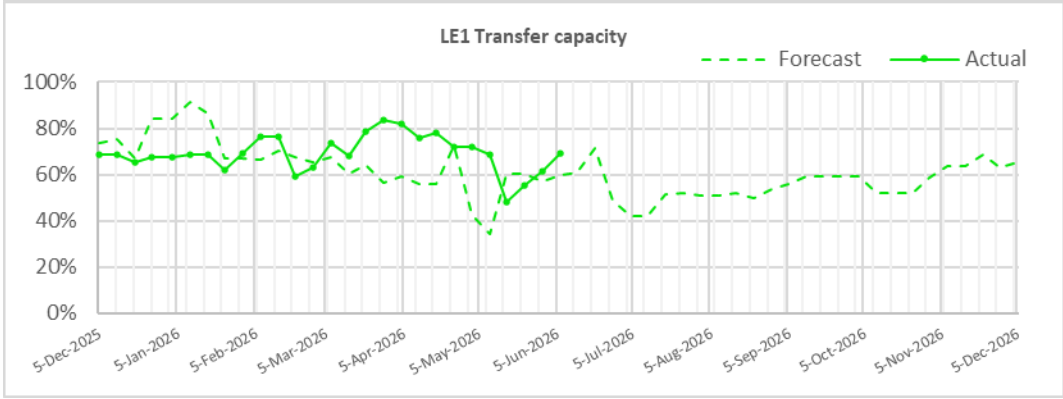
Transparency | Network Congestion







Boundary	Max. Capacity (MW)	Current Capacity (%)
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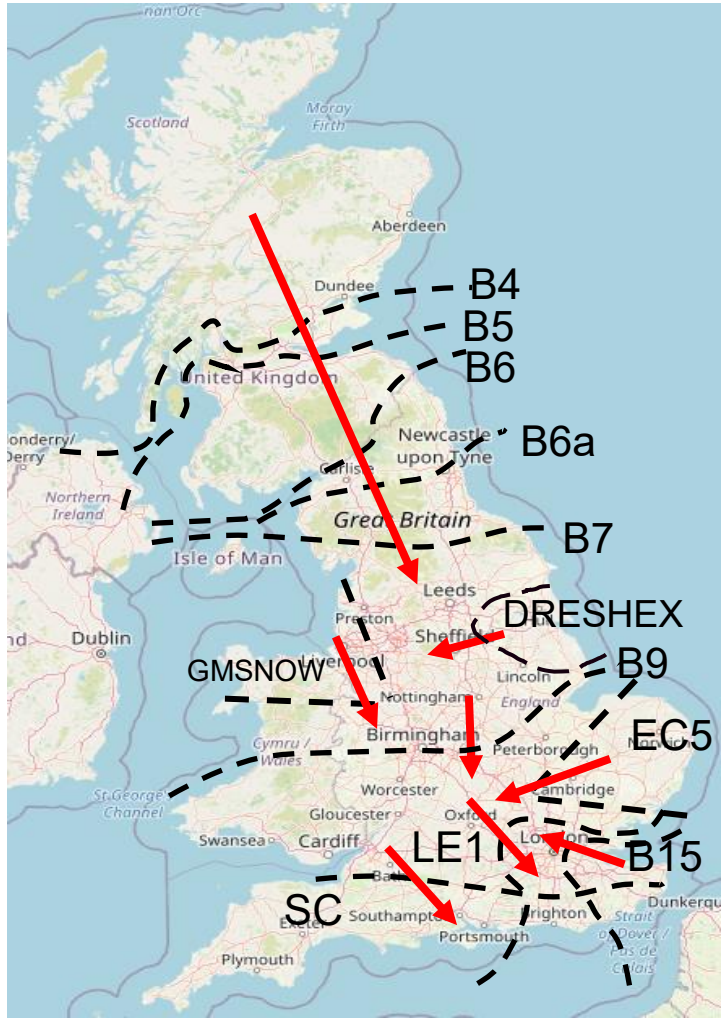

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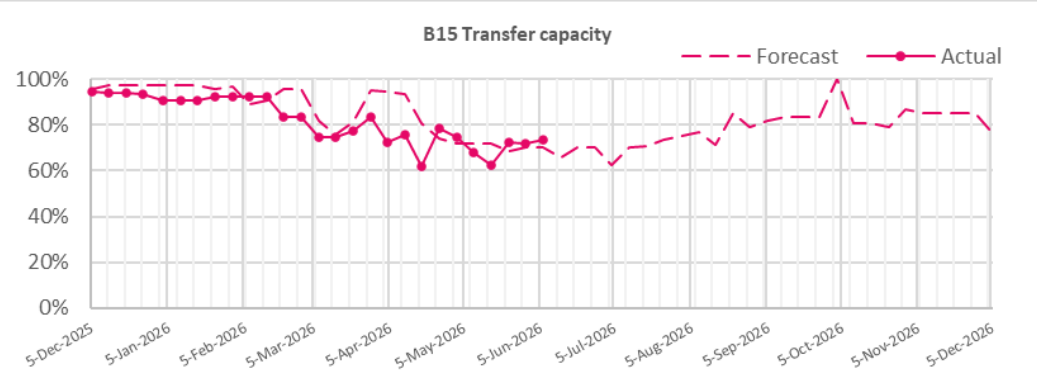
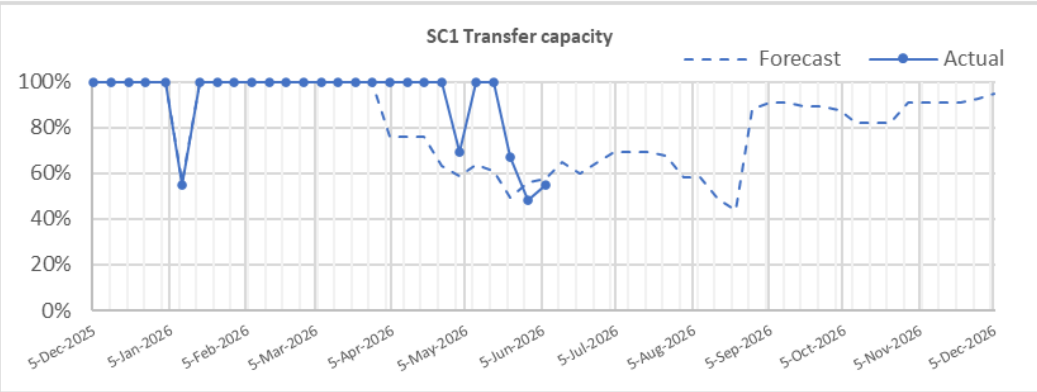
NESO National Energy System Operator

Transparency | Network Congestion





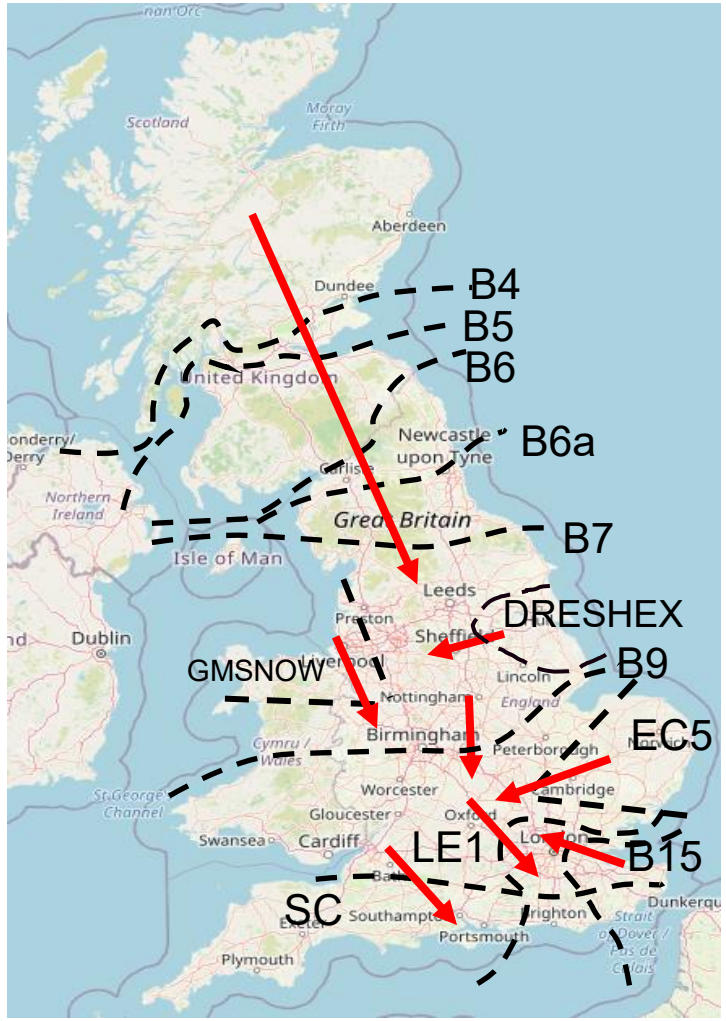
The forecast line is updated with the 12-week ahead view, and this happens each week. So, everything up to 12 weeks ahead is the forecast from 12-week ahead view, and everything after that is the fixed long-term forecast view.

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.

Boundary	Max. Capacity (MW)	Current Capacity (%)
B4/B5	3400	50
B6 (SCOTEX)	6800	76
B6a	8000	54
B7 (SSHARN)	9850	64
GMSNOW	5800	39
FLOWSTH (B9)	12700	79
DRESHEX	9675	44
EC5	5000	100
LE1 (SEIMP)	8750	69
B15 (ESTEX)	7500	73
SC1	7300	55

Slido code #OTF



NESO National Energy System Operator

PSA Skip Rates – bids & offers combined

Slido code #OTF

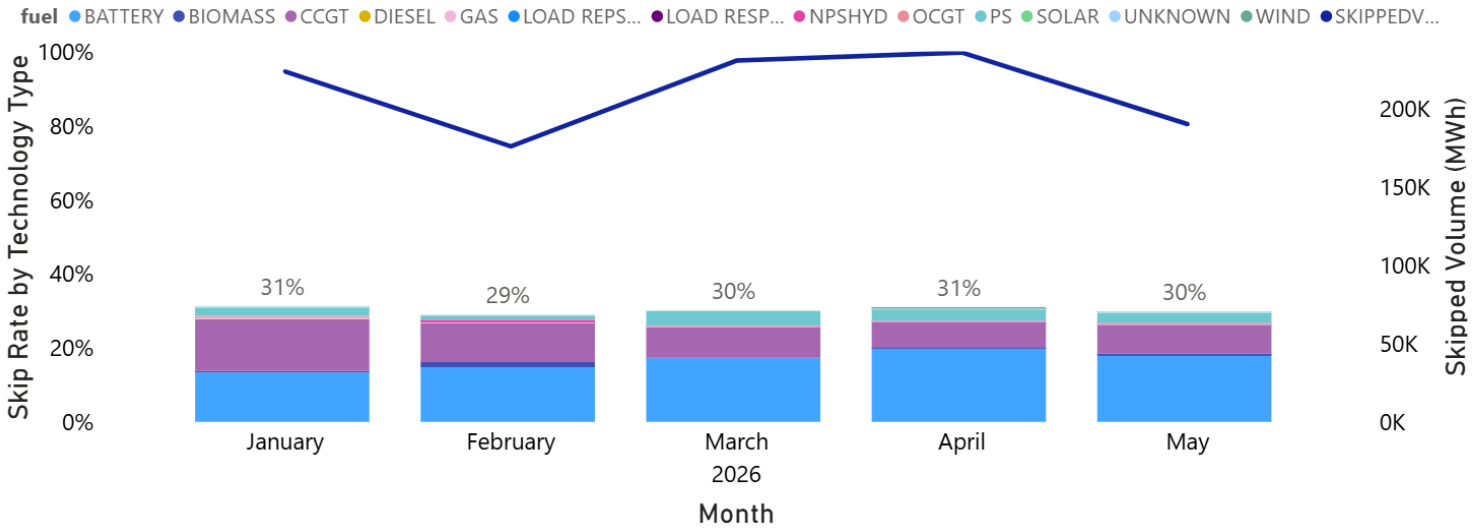
The current skip rate methodology only considers energy actions within the BM

We welcome your comments and feedback on these figures and how we present this data.

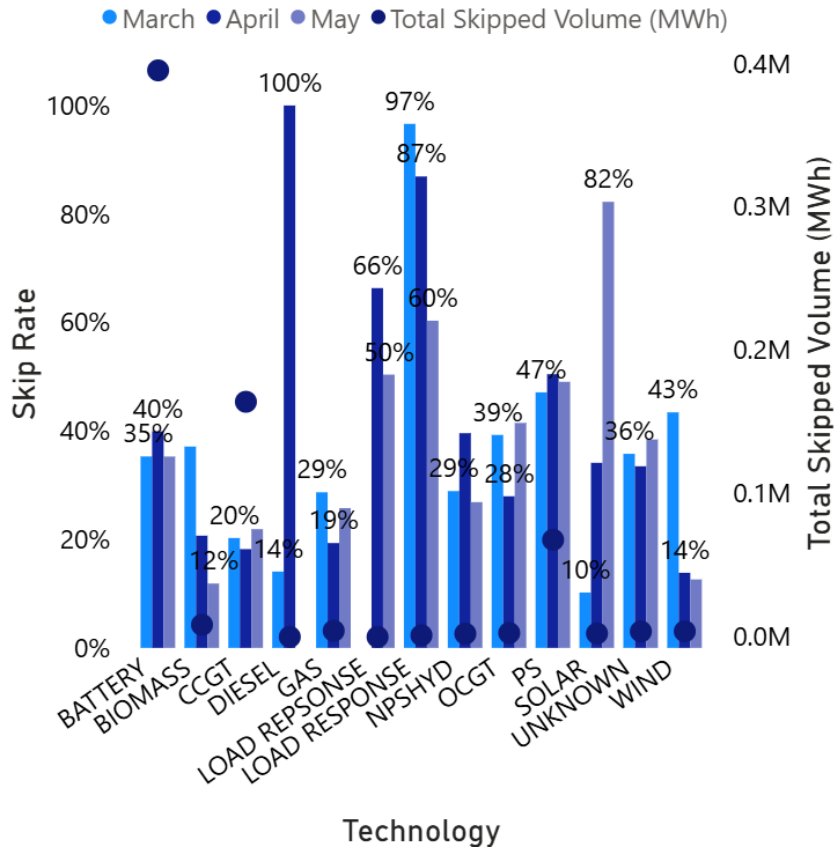
These graphs are based on stage 5 of the Post System Action definition.

Weekly Average w/e	PSA Skip Rate (%)
10/05	27%
17/05	32%
24/05	35%
31/05	28%

Relative Technology Skip Rate



Technology Specific Skip Rate – last 3 months



Gas: Gas reciprocating units
NPSHYD: Non-Pumped Storage Hydro
PS: Pumped Storage

Contact us on box.SkipRates@neso.energy

Skip rate data and more info on skip rates including methodology can be found on our website.

Rerecorded deep dive can be found on our webpage: here

Previously Asked Questions

Slido code #OTF

Q: (20/05/2026) Given the concern/interest on interconnectors - could you not do a brief ad hoc session on this next week?

A: We published answers to all questions related to this topic same day on the OTF webpage (https://www.neso.energy/document/304926/download) given the interest in the topic. However, we have noted your feedback.

Q: (20/05/2026) Why does the OTF stop during Bank Holiday weeks? The grid has to run 24/7/365. Timely sharing of information to the industry is important. For those taking time off the OTF is recorded.

A: This is due to the limited staffing available during the bank holiday weeks. Though we welcome your feedback and will take this on board.

Q: (20/05/2026) Would appreciate NESO commenting on their approach to the significant last-minute changes to the LT2029 tender. Do NESO understand the impact of changes like this? It is a thoroughly unacceptable way to "engage" the market.

A: As the LT2029 tender is a live competitive process all communications regarding this tender should be through the determined tender query process.

We encourage you to engage with NESO on this tender through these processes in line with the published tender rules.

Previously Asked Questions

Q: Have you or will you be talking about the emerging Super El Nino in any forum, e.g the operational transparency forum or otherwise? I would be interested to read/hear about NESCO's stance/view/preparations on and for this.

To provide some context on my interest, I work in risk management and also within the energy industry so I am personally interested in this as a subject.

A: We have been in close dialogue with the Met Office regarding the possible risks to the global weather conditions associated with an El Nino event. Based on these conversations we have put in place a range of processes to monitor the evolving situation and the potential impacts on global energy markets. As part of our usual operations, we have consulted with the industry on season ahead preparedness and developed our own analysis which considers a range of scenarios, including a strong El Nino event. We will publish our early view of winter in the next few weeks which outlines our preparations.

Advance Q: (19/05/2026) Can you please tell me what was the:

1. Average Accepted Offer Price for 2025/26 (financial year)

2. Average Accepted Bid Price for 2025/26 (financial year)

A: The Bid offer data is available via the Elexon Insight Solution webpage and we would recommend to refer here for your answers: https://bmrs.elexon.co.uk/.

Previously Asked Questions

Slido code #OTF

Q: (20/05/2026) my clients seem to be chasing compliance mangers who have gone to ground! Do they have a service level for replying to emails and calls?

A: The Compliance Managers are working hard to try to reply to the vast amount of emails, they also have regular meetings with the customers where issues and questions can be raised.

Feel free to write to the Compliance team at: box.ECC.Compliance@neso.energy along with the project details.

Q: (20/05/2026) Given it looks like we're going to run out of time in this session before we cover the questions on interconnectors, could NESO please make a concerted effort to get answers to these questions published as soon as possible, as this is a live issue which is affecting trading and optimisation today?

A: Thank you for the feedback. As promised during the OTF session, we published the answers to most of the questions the very next day on NESO website here: https://www.neso.energy/document/304926/download.

Q: (13/05/2026) Can you please confirm understanding regarding the "limited duration assets" BM parameters; whilst only BESS or other limited duration will need to vary these parameters, ALL BM participants will need to have a value entered (even if this is just constantly fixed)? Thanks.

A: BMUs that are Limited Duration will have a default value that is defaulted every day. Please see the latest DVCD Rules: https://www.neso.energy/document/381641/download

NESO National Energy System Operator

Previously Asked Questions

Q: (20/05/2026) Could NESO accelerate the provision of GC0105/GC0151 reports regarding the increase in frequency volatility events seen in the last month, so the industry has timely access to relevant information? See grid code mod GC0178 for why this is important.

A: There is currently an ongoing GC0181 workgroup discussion focused on enhancing the GC0105 reporting framework. This includes consideration of several aspects, including the frequency and timeliness of report delivery, to ensure the information provided meets industry needs.

Advance Q: (26/05/2026) At the OTF on 20 May I asked the question below. Why does it not appear on the latest Q&A spreadsheet?

Could NESO accelerate the provision of GC0105/GC0151 reports regarding the increase in frequency volatility events seen in the last month, so the industry has timely access to relevant information? See grid code mod GC0178 for why this is important.

A: It did not appear on the Q&A spreadsheet published after the OTF because your question did not have an answer ready at the time of publication. See answer provided above to your question. Here is the link to the Q&A doc from last OTF: https://www.neso.energy/document/304926/download.

Advance Questions

Slido code #OTF

Advance Q: (27/05/2026) How many sites have accessed the BM using the BM Wider Access route? On average how long has that access taken per BMU?

To date almost 230 Balancing Mechanism Units (BMU) have been registered through the BM Wider Access route. These Additional BMUs (Supplier) and Secondary BMUs (Virtual Lead Party) participate in the BM by using one or more embedded assts per BMU. Over 8250 individual embedded assets providing over 4.2GW generation and over 2.2GW demand capacity have accessed BM participation through BM Wider Access.

To start the BM Wider Access Route the provider needs to have either a Supplier Agreement or a Virtual Lead Party Agreement completed and signed; and the asset or assets to make up the BMU must be operational. Once the provider begins registration the process is expected to take less than five months to complete the requirements for the SORT Upload. A provider completing their first BM Registration may need the full five months, particularly where they are setting up new communications and systems to integrate their new BMU into NESO BM systems. This timeline is reduced if the provider chooses to use existing communications and systems.

Once communications and systems are in place, further new unit registrations by a provider can be completed within weeks, particularly where the timeline is chosen to align with the scheduled SORT Upload. This short timeline has been enabled through using the Single Markets Platform (SMP) which gives providers control over completing and submitting their BM registration data.

Balancing Mechanism Wider Access | National Energy System Operator

NESO National Energy System Operator

NESO OTF Q&A Guidelines

Slido code #OTF

- **Anonymous Questions:** We won't answer questions from unidentified parties live. If you need to stay anonymous, use the advance question or email options.
- **Challenge Concerns:** The OTF isn't the place to challenge actions of individual parties (except NESO). Report such concerns to the Market Monitoring team at: mailto:box.nc.customer@neso.energy.
- **Question Order:** We'll answer questions in the order they are upvoted. If we can't answer a question right away, we'll take it away or address it later.
- **Slido Availability:** Slido will stay open until 12:00, even if the call ends earlier, to give you more time to ask questions.
- **Q&A:** All questions asked through Slido will be recorded and published with answers in the Operational Transparency Forum Q&A on our webpage: https://www.neso.energy/what-we-do/systems-operations/operational-transparency-forum
- **Takeaway Questions:** These will be included in the next OTF pack. We might ask you to email us to clarify details
- **Out of Scope Questions:** These will be forwarded to the right NESO expert or team for a direct response. We might ask you to email us to ensure we have the correct contact details. For more information about the OTF's purpose and scope, check the appendix of this slide pack.

NESO National Energy System Operator

slido

Slido code #OTF

Audience Q&As

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

Send us your feedback..

Slido code #OTF

Using the poll in Sli.do after the event.

If you have any questions after the event, please contact the following email address: **box.nc.customer@neso.energy.**

NESO
National Energy System Operator

Appendix

Purpose and scope of the NESO Operational Transparency Forum

Slido code #OTF

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 NESO events, provide deep dives into focus topics, and allow industry to ask questions.

Scope

The OTF covers:

- Regular updates, deep dives, and focus topics
- NESO's operational strategies and challenges
- Data published by NESO
- Data and processes from other parties (e.g., BMRS by Elexon, consultations by Elexon, Ofgem, DESNZ)
- Industry questions (answers live or taken away for answering later)

Out of Scope

The OTF does not cover:

- Data owned by other parties
- Specific actions and decisions of the NESO Control Room
- Activities and operations of individual market participants
- NESO's policy and strategic decisions
- Formal consultations (e.g., Code Changes, Business Planning, Market Development)

NESO National Energy System Operator

Skip Rates – 'In Merit' datasets

We recognise that these datasets aren't as intuitive as they could be – specifically the column headings. Please be reassured that we are looking at ways to improve this - we will update the documentation to include this information and will also discuss the datasets in more detail at the webinar on 27th February.

We will use 'accepted' and 'instructed' differently in this context, even though they are normally the same.

These datasets show the units that should have been instructed if decisions were solely based on price, rather than all units that were instructed. Therefore this dataset does not match the total accepted volume datasets in Elexon.

In Merit Volume = Accepted Volume + Skipped Volume

In Merit Volume
- This is the recreated in merit stack showing the lowest cost units that were available to meet the requirement, where the requirement is based on the volume of units that were actually instructed
- Therefore this is the volume that should have been accepted if decisions were solely based on price
- The sum of this column is the total instructed volume in the 5 minute period (subject to the relevant exclusions)

Accepted Volume
- This is the volume that was accepted in merit, as a subset of the 'In Merit Volume' column – i.e. how much volume was accepted in merit
- The sum of this column will be less than the sum of the 'In Merit Volume' column, unless there is no skipped volume
- Note: this column does not list all instructed units

Skipped Volume
- This is the volume that was skipped, as a subset of the 'In Merit Volume' column – i.e. of the volume that we should have instructed, how much was skipped

It's possible that the list of units increases, decreases, or stays the same between stages, but the total 'In Merit Volume' will always remain the same (or no volume is excluded) or decrease (due to exclusions).