Public

GC0117 Improving transparency and consistency of access arrangements across GB by the creation of a pan-GB commonality of Power Station requirements

Send Back Workgroup meeting 2 (Workgroup 25)
Tuesday 11 November 1pm
Online Meeting via Teams

NESO
National Energy System Operator

WELCOME

NESO
National Energy System Operator

Agenda

Topics to be discussed	Lead
Introductions	Chair
Workgroup Responsibilities and Membership	Chair
Objectives and Timeline	Chair
CBA Process	CBA Representative
TIDE Project	MS
Forecast Embedded Generation Levels	RNP Information
Consequential Code Changes	NESO SME
Confirmation of BELLA versus BEGA numbers	Chair Update
Terms of Reference	All
Action Review	Chair
AOB	Chair
Next Steps	Chair

Expectations of a Workgroup Member

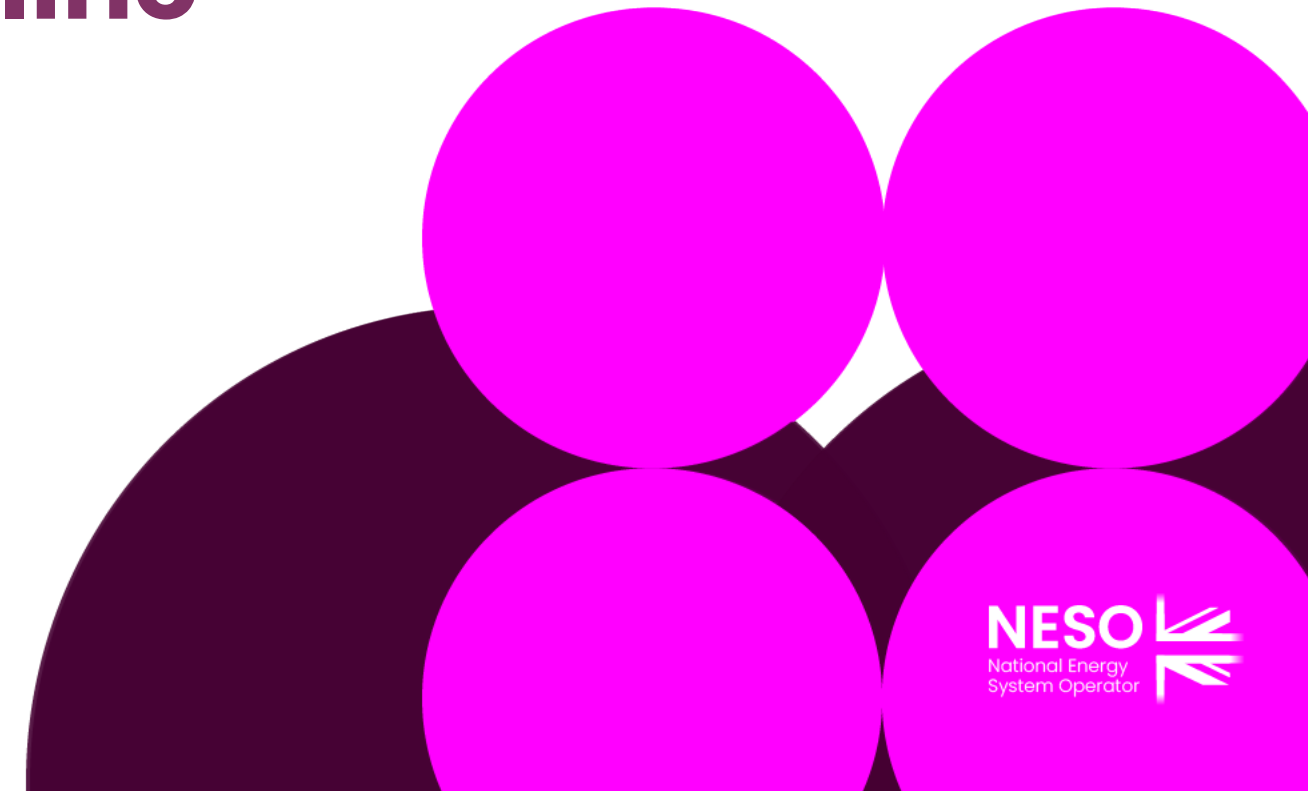
- Contribute to the discussion
- Be respectful of each other's opinions
- Language and Conduct to be consistent with the values of equality and diversity
- Do not share commercially sensitive information
- Be prepared - Review Papers and Reports ahead of meetings
- Complete actions in a timely manner
- Keep to agreed scope
- Email communications to/cc'ing the .box email

Your Roles

- Help refine/develop the solution(s)
- Bring forward alternatives as early as possible
- Vote on whether or not to proceed with requests for Alternatives
- Vote on whether the solution(s) better facilitate the Code Objectives

Objectives and Timeline

Claire Goult – NESO Code Administrator



Timeline

Objectives

Consider send back details

Review Terms of Reference

Timeline for GC0117 as of October 2025

Workgroups		
Workgroup 2 (25)	11 November 2025	Progress Check
Workgroup 3 (26)	02 December 2025	
Workgroup 4 (27)	21 January 2026	Progress Check
Workgroup 5 (28)	26 February 2026 (Propose alternate date)	GCRP ends 2pm
Workgroup 6 (29)	19 March 2026	Review Second CAC and confirm vote
Post Workgroups		
Present Second CAC to Panel	**23 April 2026**	**Panel papers due 15 April**
Second Code Administrator Consultation	13 May – 15 June 2026	1 month
Second Draft Final Modification Report to Panel	22 July 2026	Panel on 30 July 2026
Second Final Modification Report to Ofgem	07 August 2026	
Implementation Date	10 Business Days after Authority Decision	

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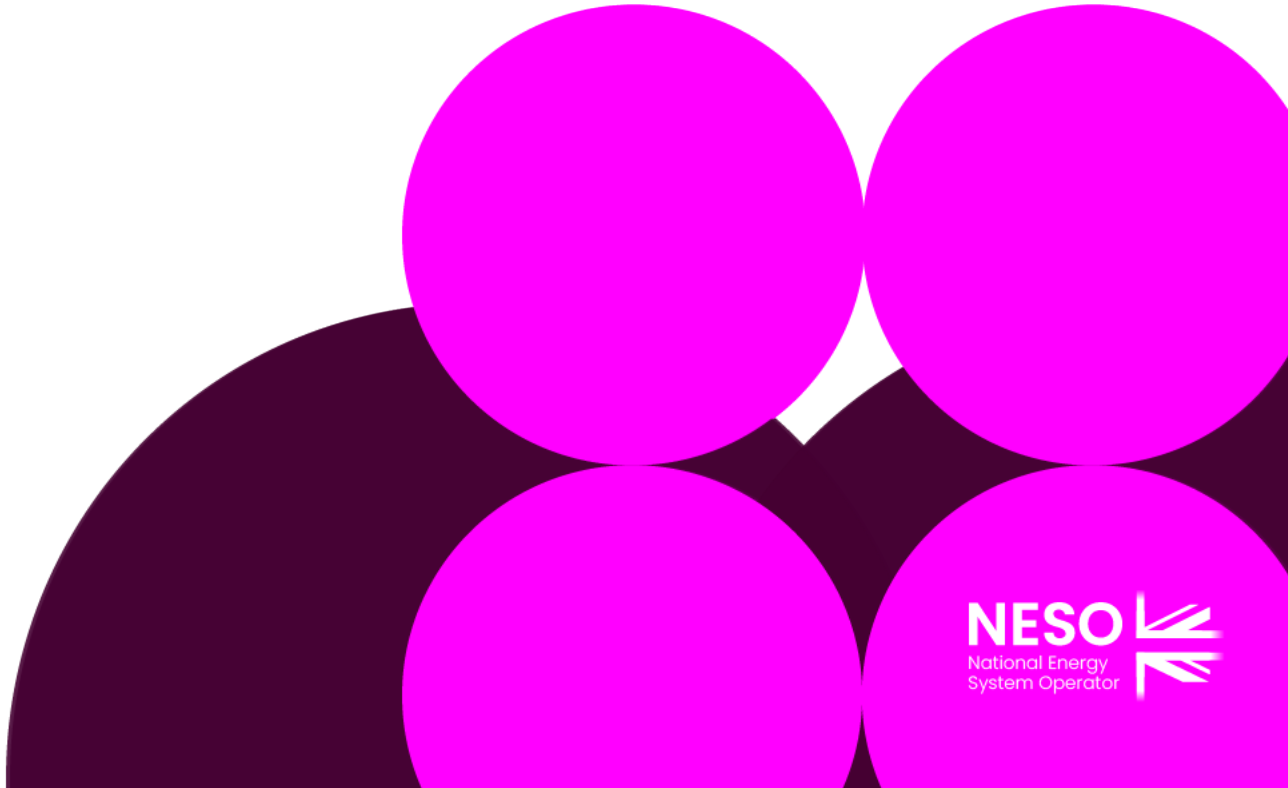
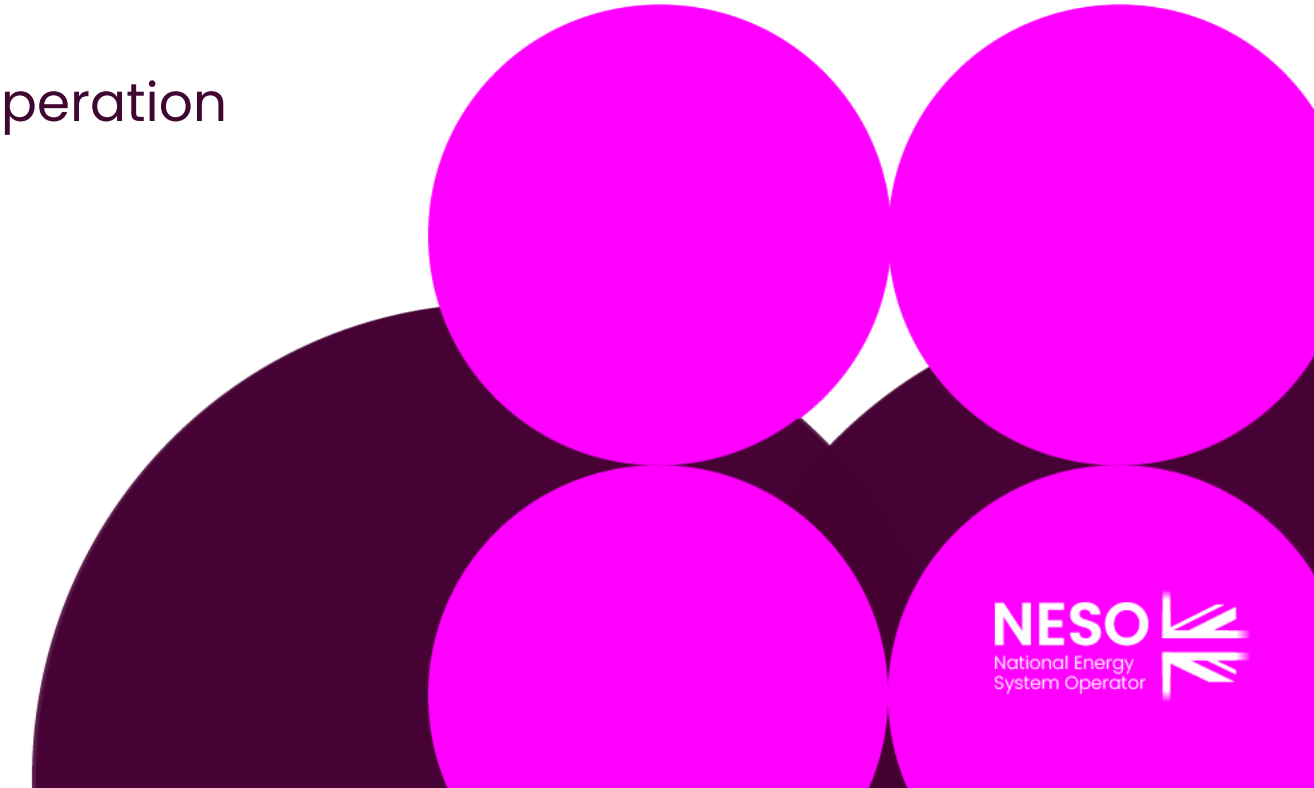
CBA Process

Sundeep Klair - CBA Representative



TIDE Project

Mahmoud Shepero – NESO Zero Carbon Operation

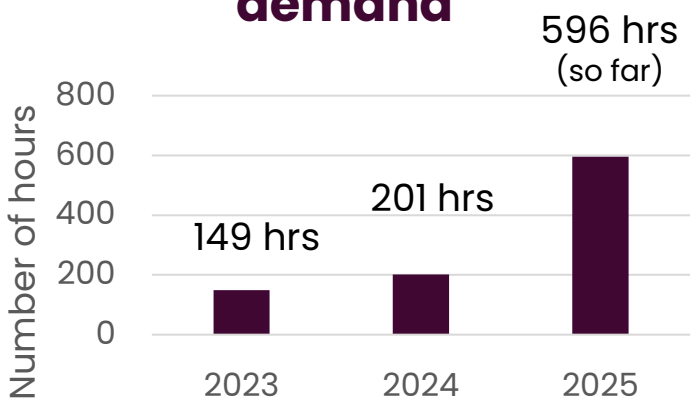


Public

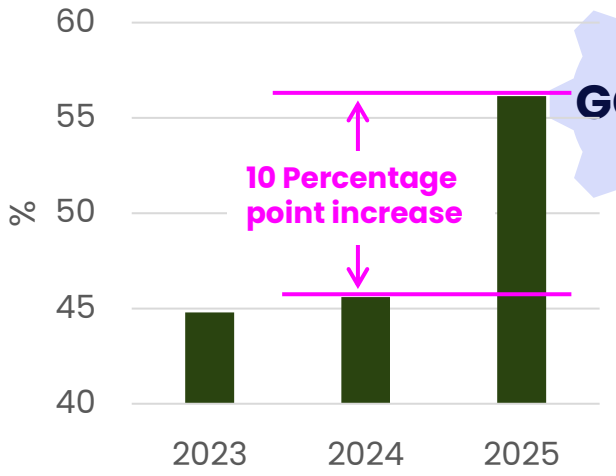
Transformation to Integrate Distributed Energy (TIDE)

DER/CER visibility and access

Number of hours where embedded DERs supplied ≥1/3 of GB demand



Highest % of GB demand supplied by embedded DERs



CP 2030 Implementation Plan

TIDE

Balancing Programme

GC0117

Connections Reform

REMA

GC0139

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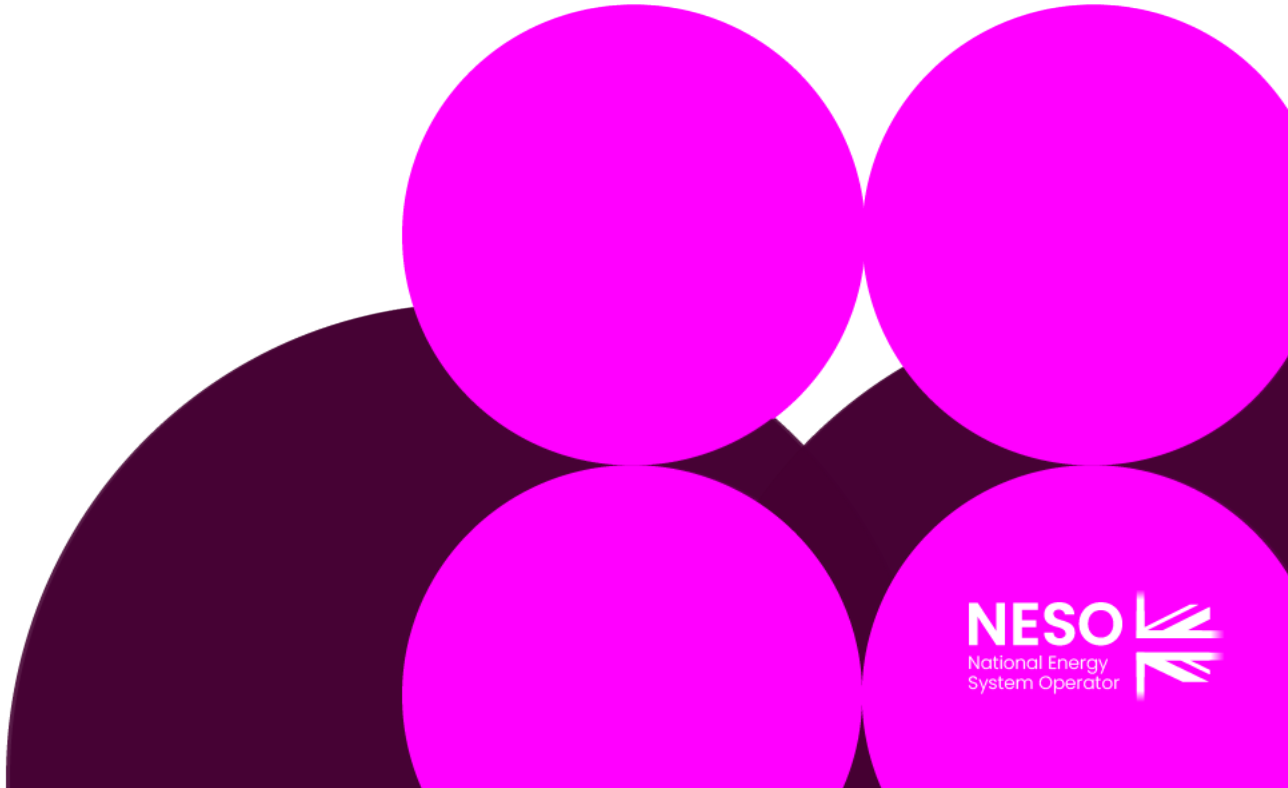
Clean Power 2030

9 DERs are Type B-D PGMs.
CERs are Type A PGMs.

Forecast Embedded Generation Levels

Michael Taylor – RNP Information



ECR & TEC Connections Figure Data & Limitations

Data has been sourced from the:

- **Transmission Entry Capacity (TEC) Register** (NESO, September 2025)
- **Embedded Capacity Register (ECR)** from the following DNOs (September 2025):
  - National Grid Electricity Distribution (NGED)
  - Northern Powergrid (NPg)
  - UK Power Networks (UKPN)
  - SP Energy Networks (SPEN)
  - SP Electricity North West (ENW)
  - Scottish and Southern Electricity Networks (SSEN)

The following has been removed from the TEC Register data:

- 'Built' connections as these have no energisation date;
- 'Scoping' connections as these are not yet confirmed.

- Where possible, data has been organised by connection year, with some limitations.
- NPg, SSEN and ENW have limited target energisation dates data (Figure 4). This impacts
  - **NPg**: 478 Connections
  - **SSEN:** 702 Connections
  - **ENW:** 227 Connections
  - **Total:** 1407 >1MW Connections
- Presented data is from 2027, to align to the Reformed National Pricing assessment period. Please note, NGED has forecast 803 new connections in 2026.

The connection queue is subject to change following decisions made in the Connections Reform Programme. As such, these figures should be considered indicative only.

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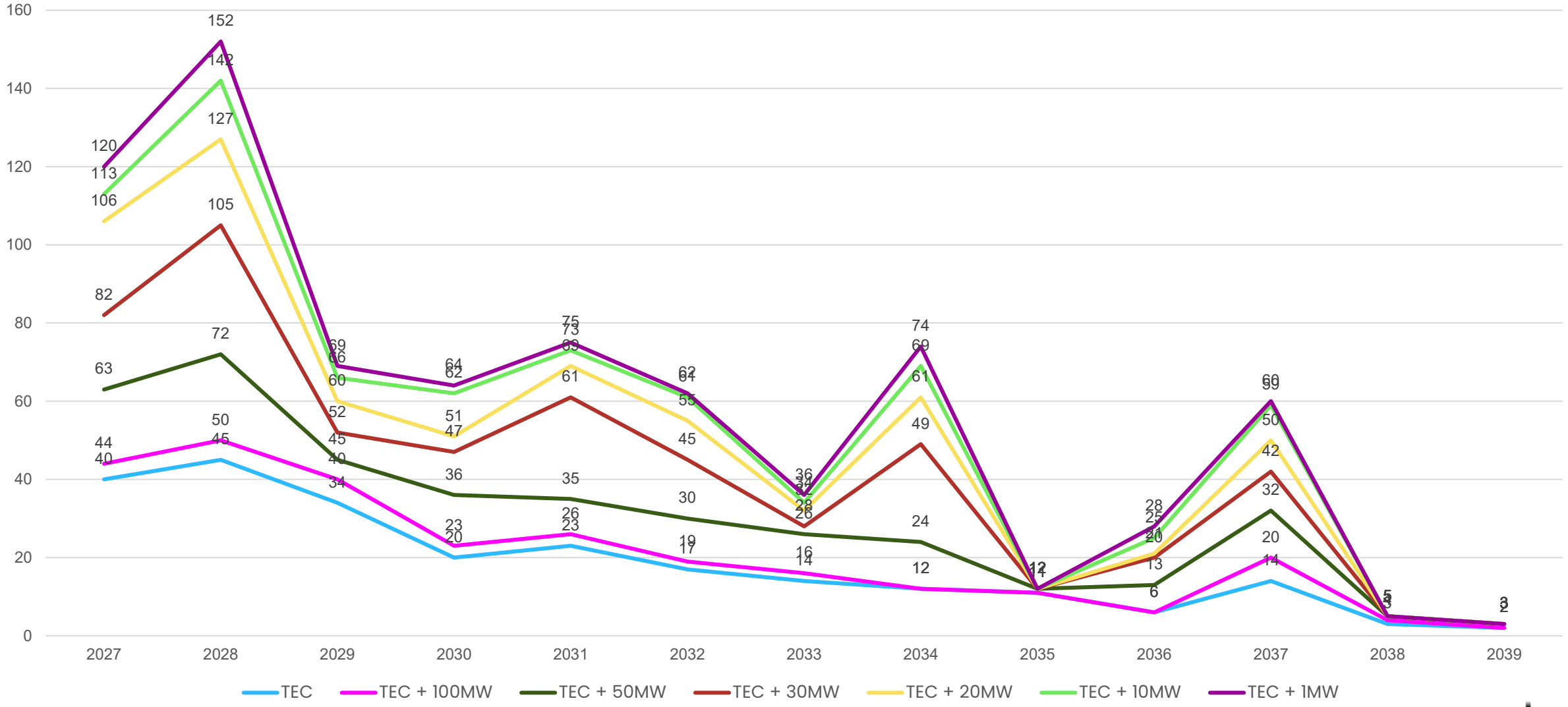
Figure 1.

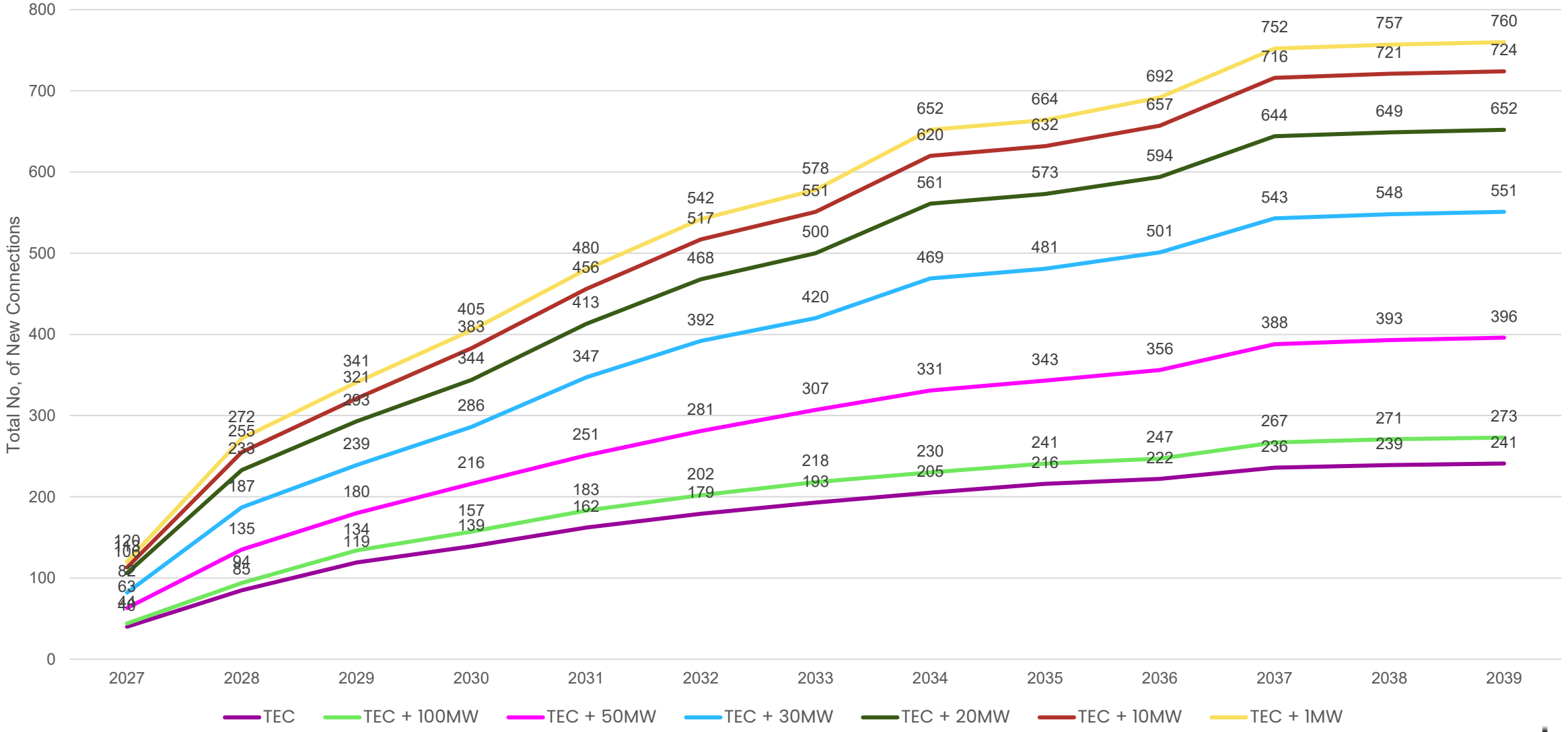
No. of Connections per year from the TEC Register and Connections Queue



* 1717 New ECR Connections do not have a target energisation date and are not represented on this graph.

* See Slide 1 for limitations.

Figure 2. Cumulative No. of Connections over time from the TEC Register and Connections Queue



* 1717 New ECR Connections do not have a target energisation date and are not represented on this graph.

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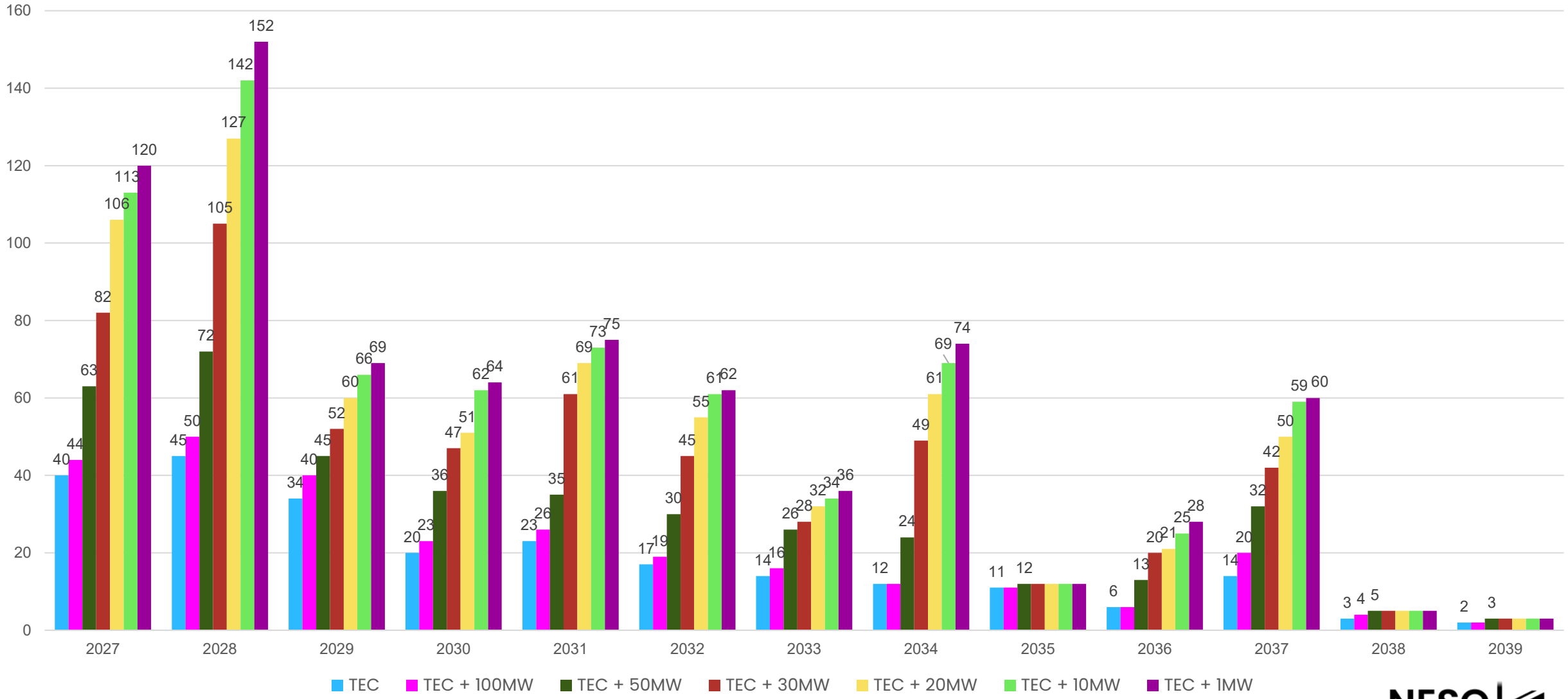
Figure 3.

No. of Connections per year from the TEC Register and Connections Queue

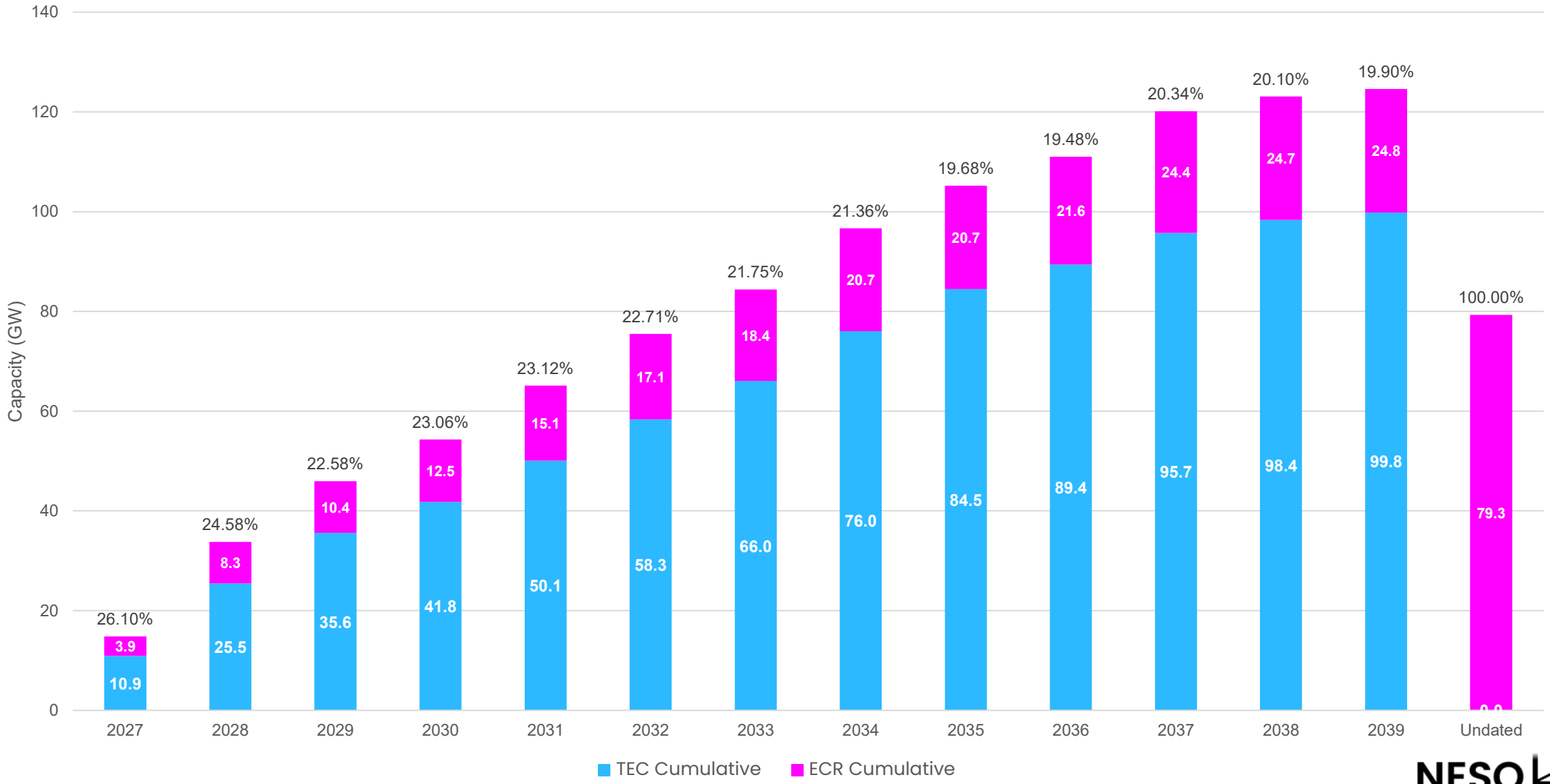


* 1717 New ECR Connections do not have a target energisation date and are not represented on this graph.

* See Slide 1 for limitations.

Figure 4.

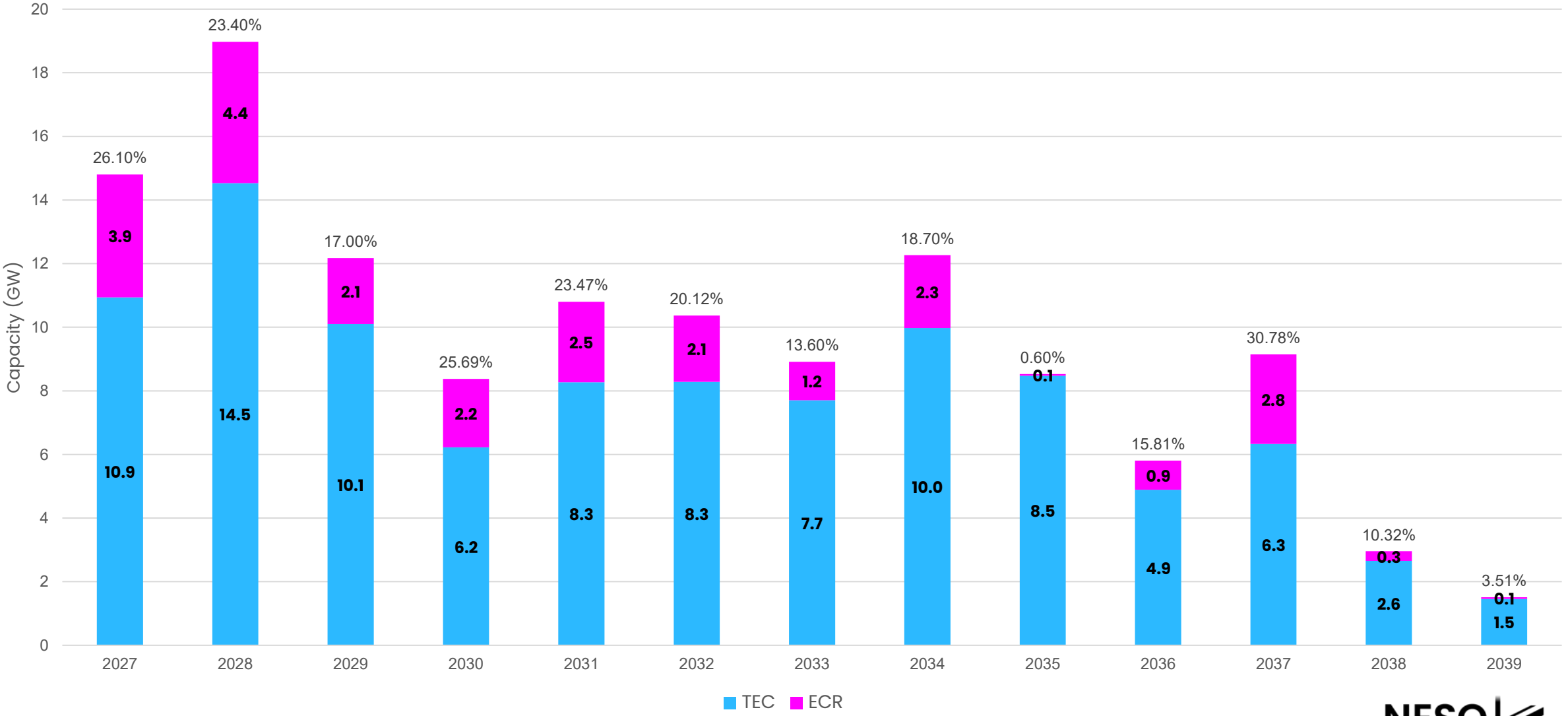
Cumulative Capacity added per year from ECR and TEC



* See Slide 1 for limitations.

Figure 5.

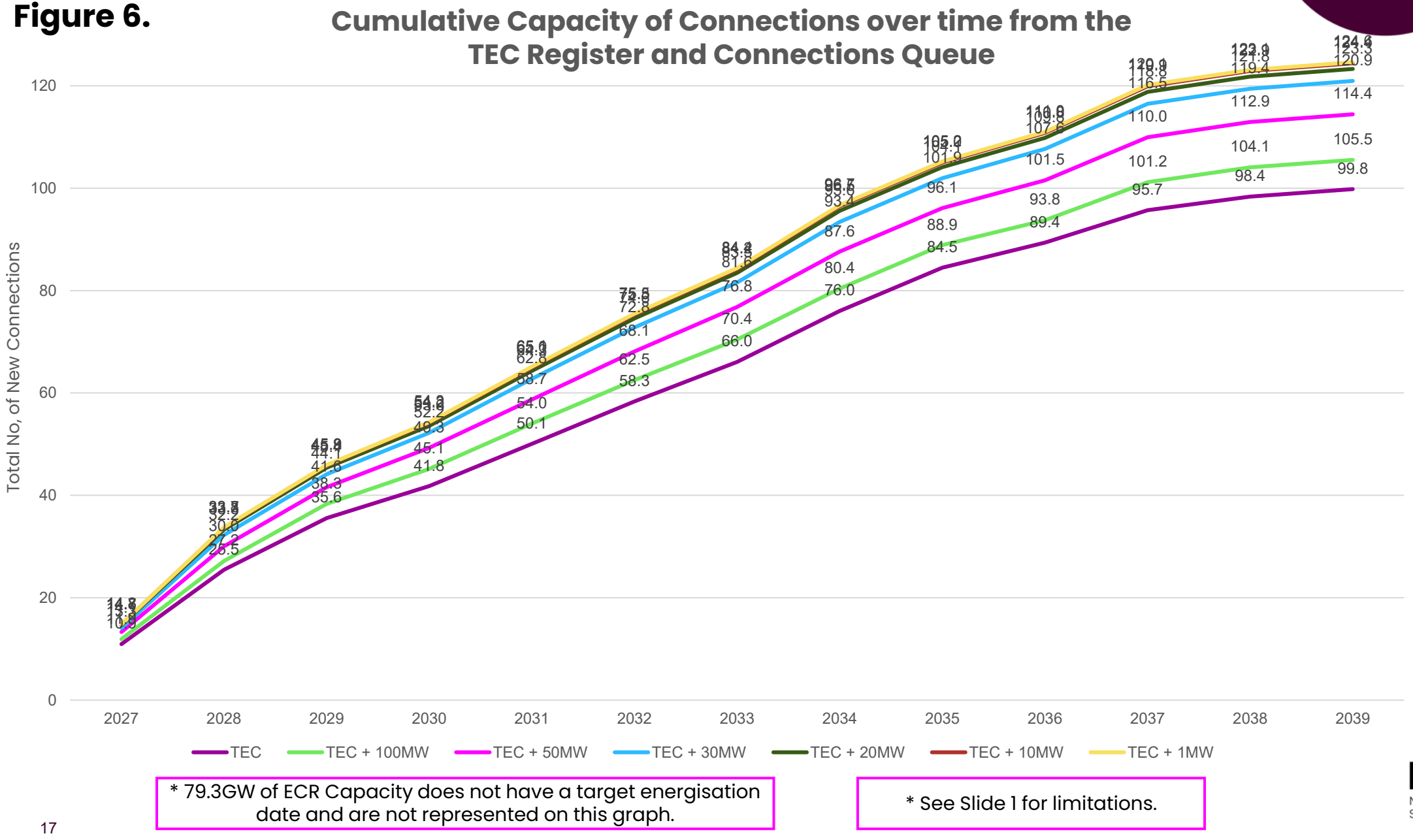
Capacity added per year from ECR and TEC



* 79.3GW of ECR Capacity Is undated.

* See Slide 1 for limitations.

Figure 6.



* 79.3GW of ECR Capacity does not have a target energisation date and are not represented on this graph.

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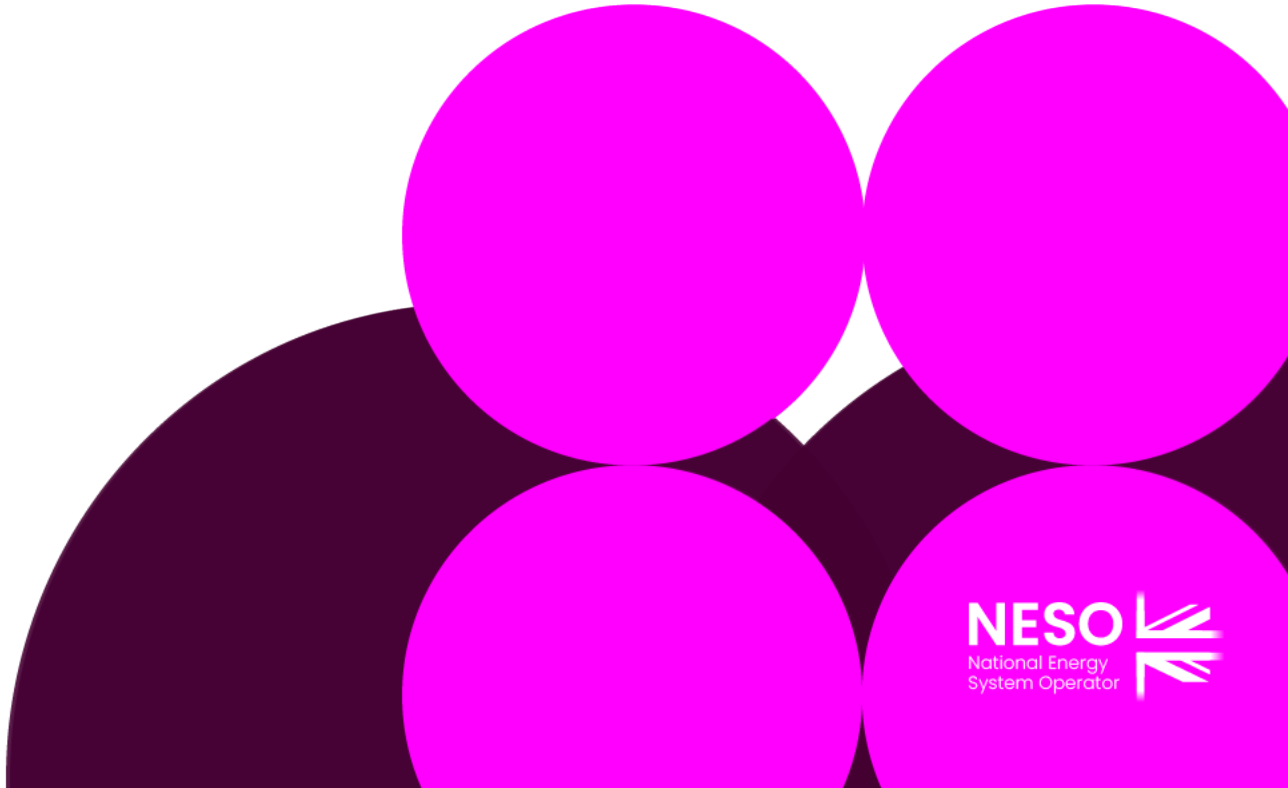
Consequential Code Changes arising from GC0117

Tony Johnson - NESO Subject Matter Expert



Consequential Code Changes

Grid Code

- Clarifications to Compliance Process – An approach similar to that used for GC0171 could be adopted as a starting point – would be required after GC0117 decision but ahead of the GC0117 obligations coming in
- Changes to data flows and IT Systems necessary to facilitate GC0117 – post decision but before implementation – even if retrospectivity were to be covered the earliest would be 3 years after GC0117 decision
- Possible retrospective modification to be considered post GC0117

Distribution Code/G99

- Change definition of Large Power Station
- Clarification of the compliance process
- Other consequential GC0117 issues

SQSS

- Change definition of Large Power Station

CUSC

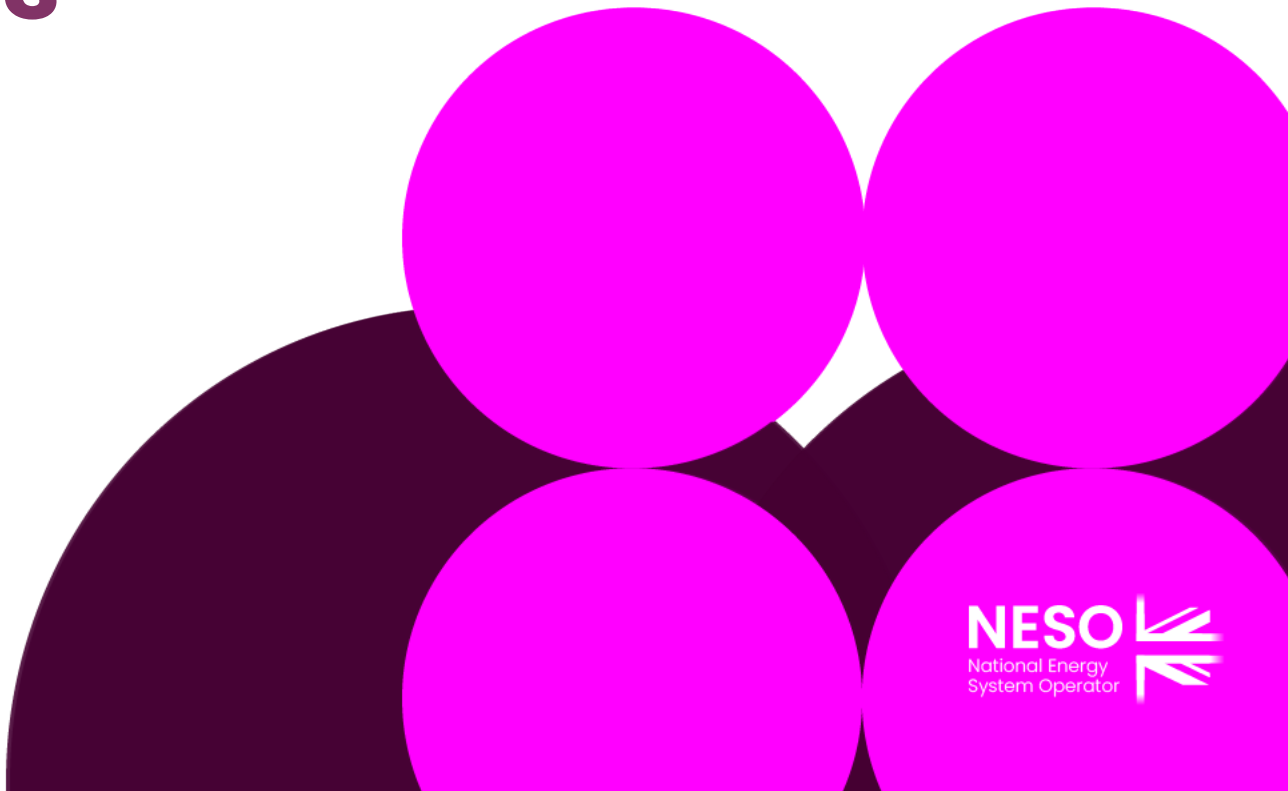
- Change definition of Large Power Station

General

- Code changes would need to be consistent with developments for Reformed National Pricing (RNP – formerly REMA) and TIDE.

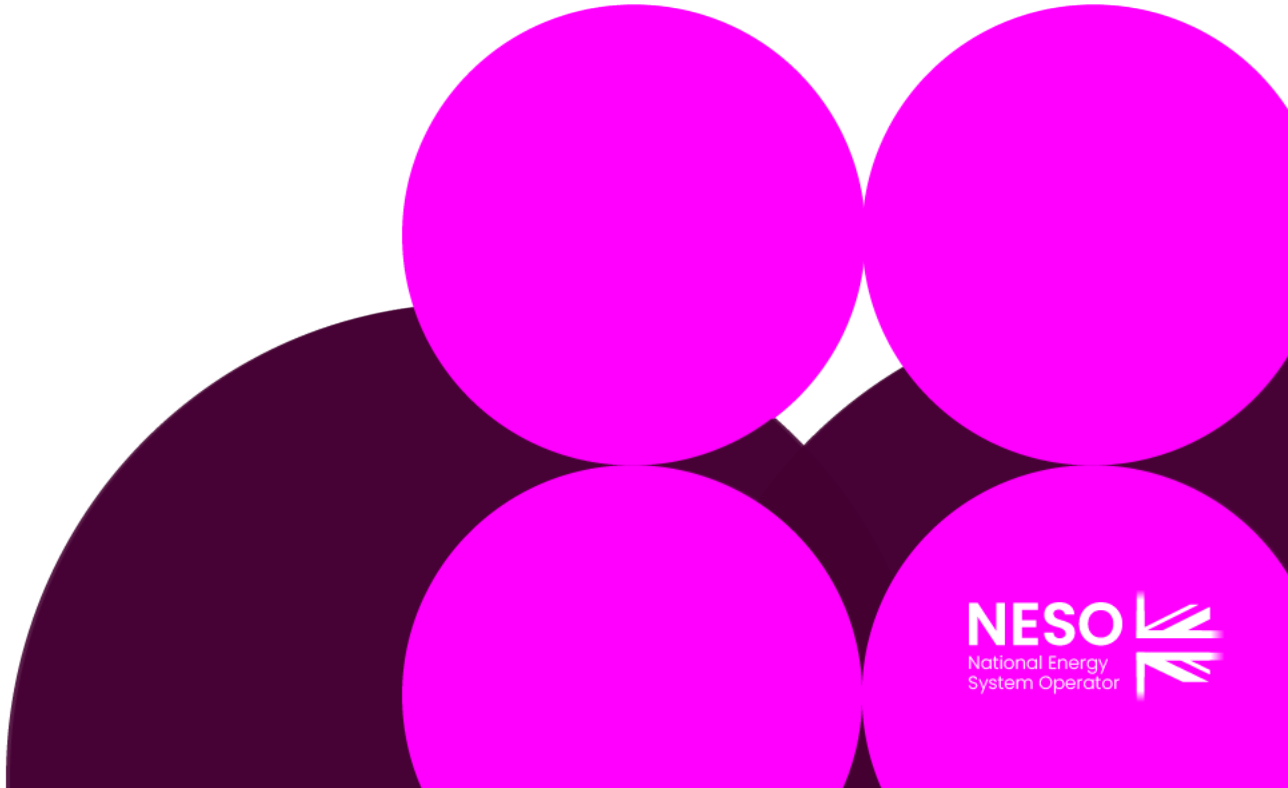
Confirmation of BELLA versus BEGA numbers

Update



Action Review

Claire Goult – NESO Code Administrator



GC0117 Actions Review

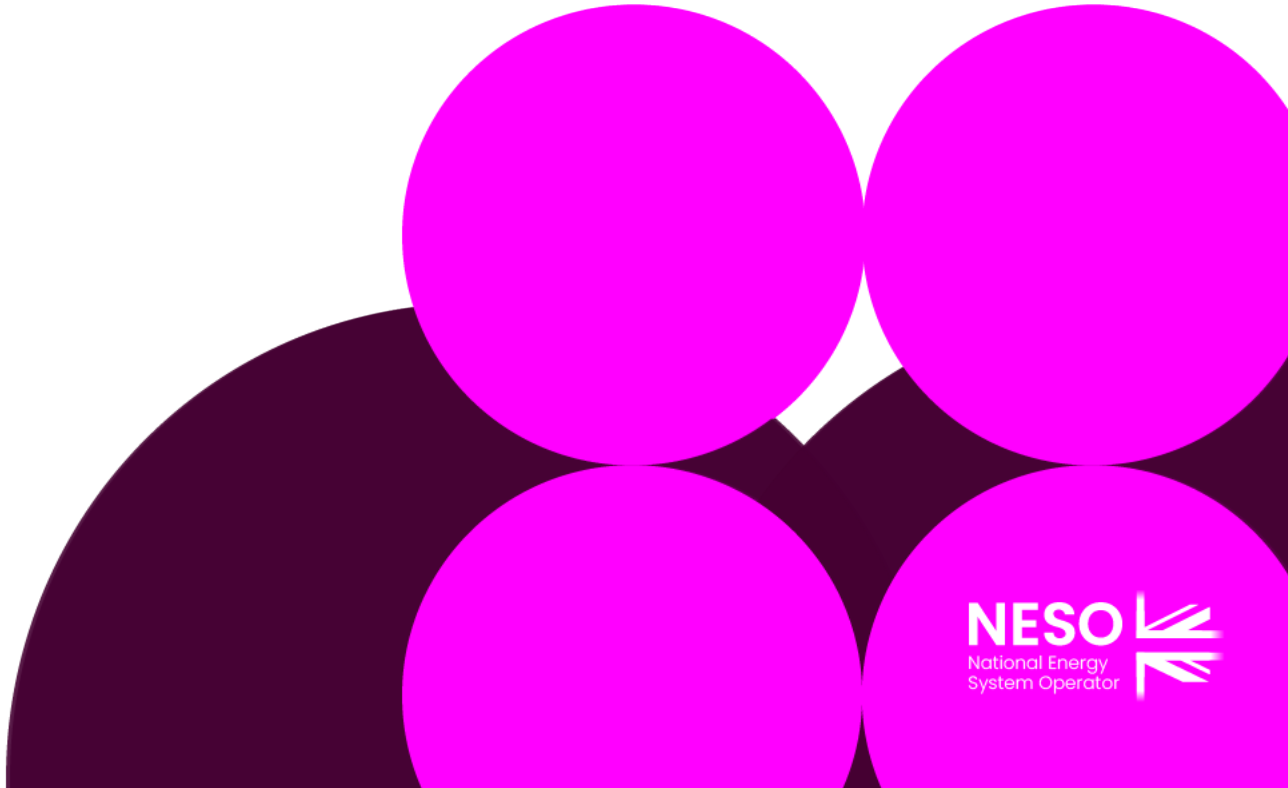
Action Number	Workgroup Raised	Owner	Action	Due by	Status	Latest
1	WG1 (24)	CG/JR	Send out updated slides and remaining invites	WG2 (25)	Closed	
2	WG1 (24)	CG	Raise concerns regarding voting expressed by members internally	WG2 (25)	Propose to close	
3	WG1 (24)	TJ	Engage with CBA team to ensure any of the CAC responses are reflected in the CBA (raised by AC)	TBC	Propose to close	
4	WG1 (24)	TJ	Regarding consequential changes to other codes, provide further information and timelines	TBC	Propose to close	
5	WG1 (24)	TJ	Research BELLA versus BEGA numbers	TBC	Ongoing	Reached out to internal teams in connections.
6	WG1 (24)	PD	Ofgem to confirm if the new CBA is only to be done on the 'Original Proposal (OP)' solution (ie 10MW) or OP and Alternative	WG2 (25)	Propose to close	Confirmed CBA will be done on both
7	WG1 (24)	TJ	CBA Representative to attend the Workgroup meeting to explain the process clearly	TBC	Propose to close	
8	WG1 (24)	MS (TIDE project)	Presentation on TIDE to discuss the relationship with GC0117	WG2 (25)	Propose to close	
9	WG1 (24)	CG	Adding in to the report a simple table showing the total level of embedded generation in 2019, 2025 and forecast to be in 2030 (Suggested by GG)	TBC	Ongoing	Will be added into Second CAC

GC0117 Actions Review

Action Number	Workgroup Raised	Owner	Action	Due by	Status	Latest
10	WG1 (24)	PD	Confirm whether all the additional items mentioned in the Ofgem letter need to be explicitly added to the ToR, or if they are implicitly covered	WG2 (25)	Propose to close	Confirmed no new ToR to be added

Any Other Business

Claire Goult – NESO Code Administrator

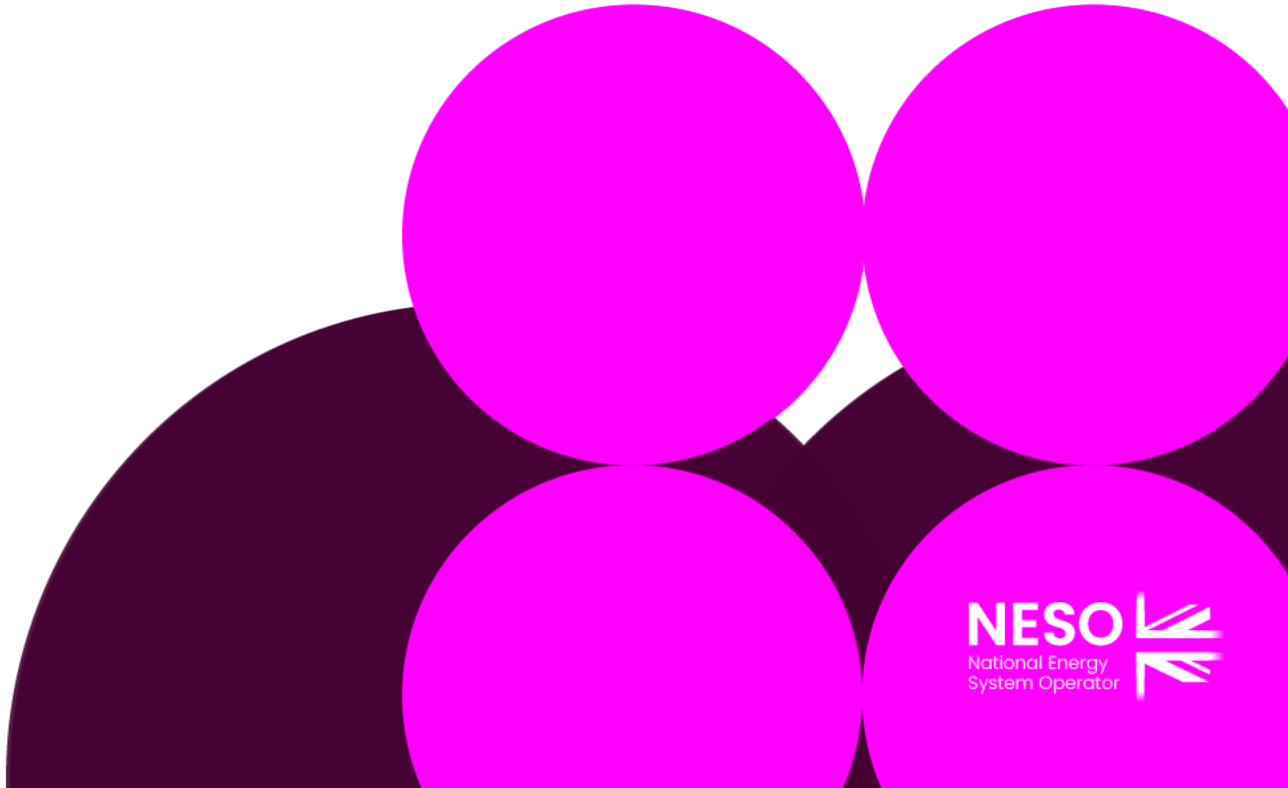


Questions

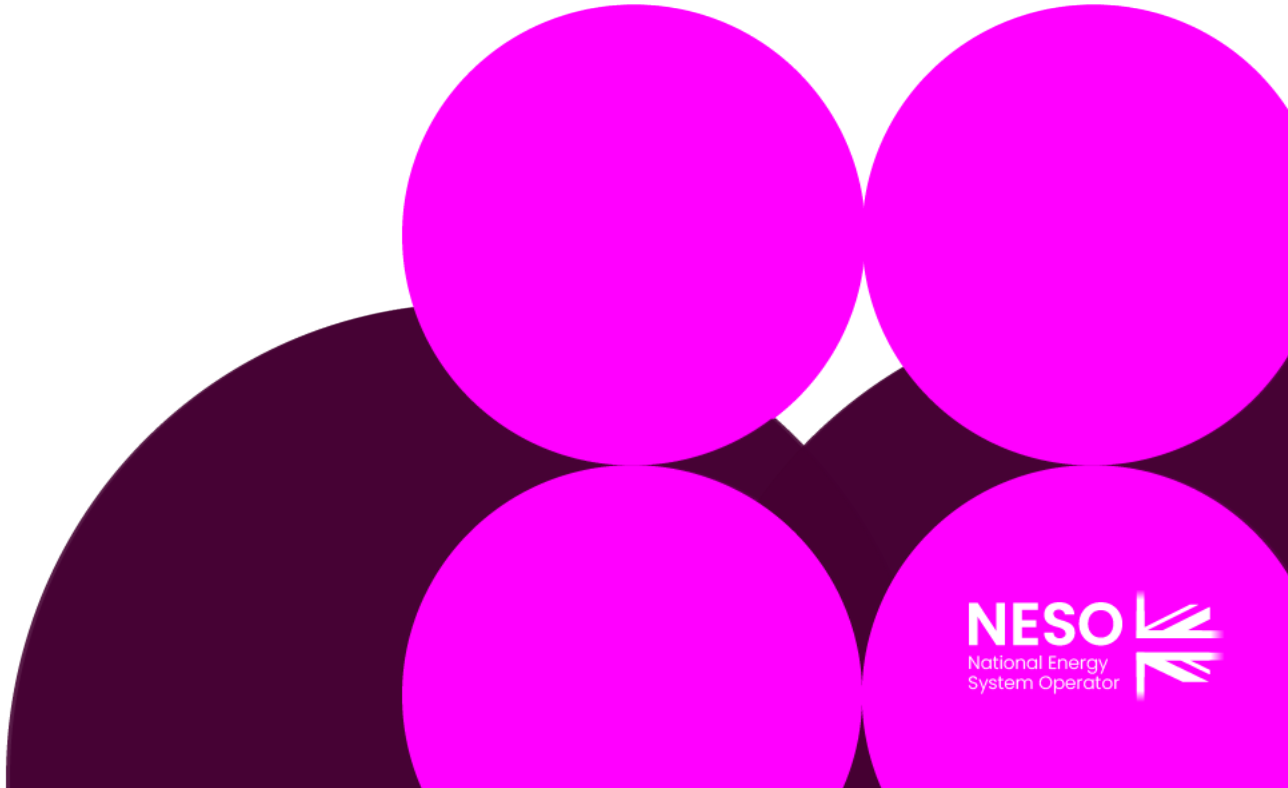
1. Is there any reason why data sharing between DNOs and NESO for constraint and operational purposes should not be permitted?
2. Do we recognise potential challenges for existing projects within an ANM scheme, particularly where such projects may need to be withdrawn from the ANM scheme to participate in the BM?
3. Is there any reason why Technical Limits, Connections Reform and GC0117 cannot proceed concurrently?
4. Do you agree there is no overlap between the Grid Code and G99 progress of this modification?
5. Do you believe retrospectivity should be applied?
6. How do you think visibility and control should be addressed going forwards, noting the high balancing costs currently seen?

Next Steps

Claire Goult – NESO Code Administrator



Appendix



Terms of Reference

Workgroup Term of Reference
a) Implementation and costs;
b) Review draft legal text should it have been provided. If legal text is not submitted within the Grid Code Modification Proposal the Workgroup should be instructed to assist in the developing of the legal text;
c) Consider whether any further Industry experts or stakeholders should be invited to participate within the Workgroup to ensure that all potentially affected stakeholders have the opportunity to be represented in the Workgroup. Demonstrate what has been done to cover this clearly in the report
d) Consider EBR implications
e) The current transmission and generation characteristics in Scotland compared to those in England and Wales and whether the rationale for the thresholds being set at the current levels still applies given the current and projected generation composition and transmission infrastructure;
f) Cross code impacts (BSC, CUSC and DCode) and impact on EBR;

Terms of Reference

Workgroup Term of Reference
g) Consider any emerging thinking from the Open Network project;
h) Any interaction with generator licencing thresholds or requirements;
I)The impacts for stakeholders including NGESO, iDNOs, TOs, DNOs and generators;
j) Implications for new connectees in relation to data exchange, planning, market engagement and any other areas of change;
k) The implications associated with implementing any changes retrospectively so that they apply to existing connectees rather than just for new connectees; and
l) The implementation options together with the associated costs and benefits.