

Public

# NESO Customer Connections Seminar

5 November 2024

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This document contains the slides from all sessions that took place at the Customer Connections Seminar on 5 November 2024. Key session content is listed below.

## Slide number

### Main sessions

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- Connections Reform [17 – 41](#)

### Breakout sessions

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- Connections Operations [67 – 71](#)

# Welcome and NESO Update

9:45 – 10:15



# Biniam Haddish

E&W Generation Connections  
Operations Manager

# Agenda

1. Registration	9:00 – 9:45
2. Welcome and NESO update	9:45 – 10:15
3. Connections Reform with NESO, Ofgem and DESNZ	10:15 – 11:30
4. Break	11:30 – 12:00
5. Breakout Session 1 (Choice of 4)	12:00 – 12:30
6. Lunch	12:30 – 13:20
7. Breakout session 2 (Choice of 4)	13:20 – 13:55
8. Breakout Session 3 (Choice of 4)	13:55 – 14:30
9. Break	14:30 – 15:00
10. NESO, ENA and Networks panel	15:00 – 16:00
12. Closing Remarks	16:00 – 16:30
13. Networking	16:30 – 17:30
* Visit our Networking Stands	11:30 – 17:00

# Agenda

## **Networking stands: 11:30 – 17:30**

- Contract Managers + Operability Assessment Team
- Offshore Hybrid Assets
- Digital, Data and Applications
- Customer Experience
- National Grid Electricity Transmission
- SP Energy Networks
- SSE Transmission

## **Breakout Sessions: choice of three throughout the day**

- Reform Methodologies
- Reform Codes
- Tactical Initiatives
- Connections Operations



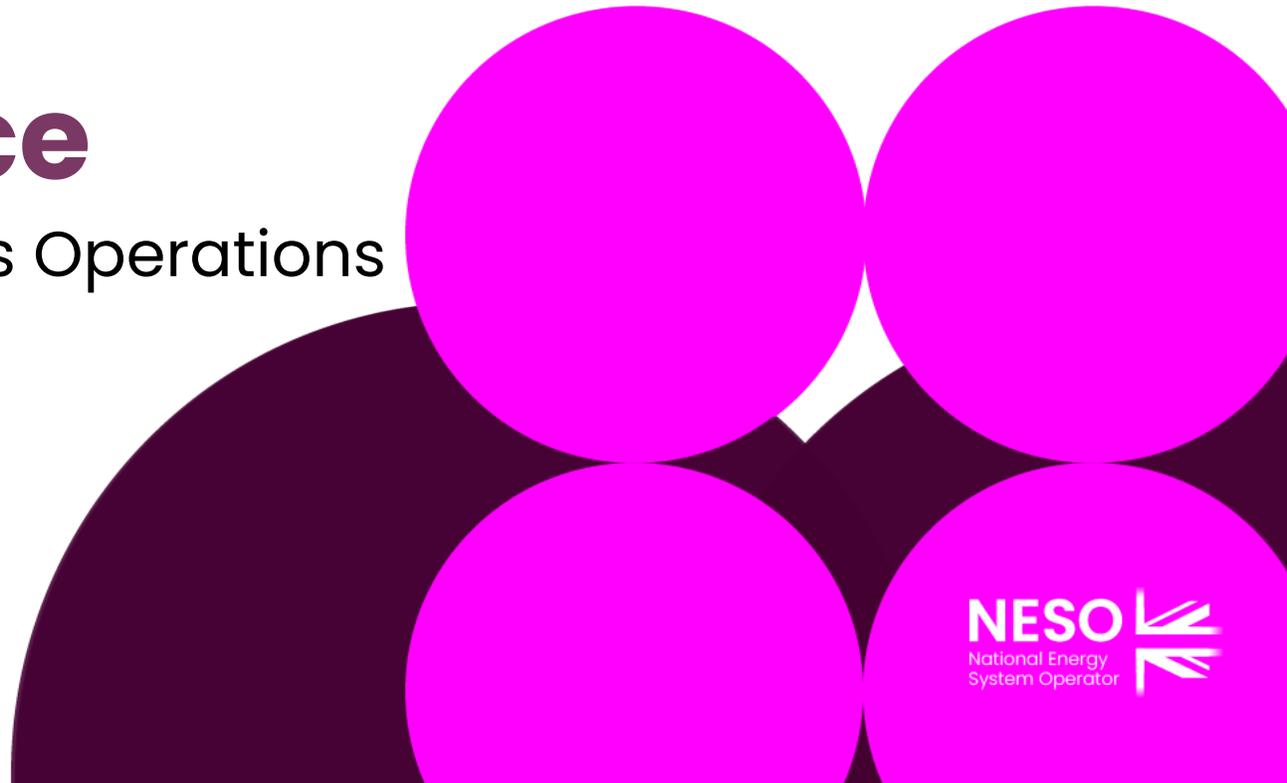
# Robyn Jenkins

Head of Connections Change Delivery



# Nicola Bruce

Head of Connections Operations



# Achieving clean power by 2030



## Matt Vickers

Director of Connections  
Reform Programme

# Introduction



We are the National Energy System Operator for Great Britain, making sure that Great Britain has the **essential energy it needs by ensuring supply meets demand** every second of every day.

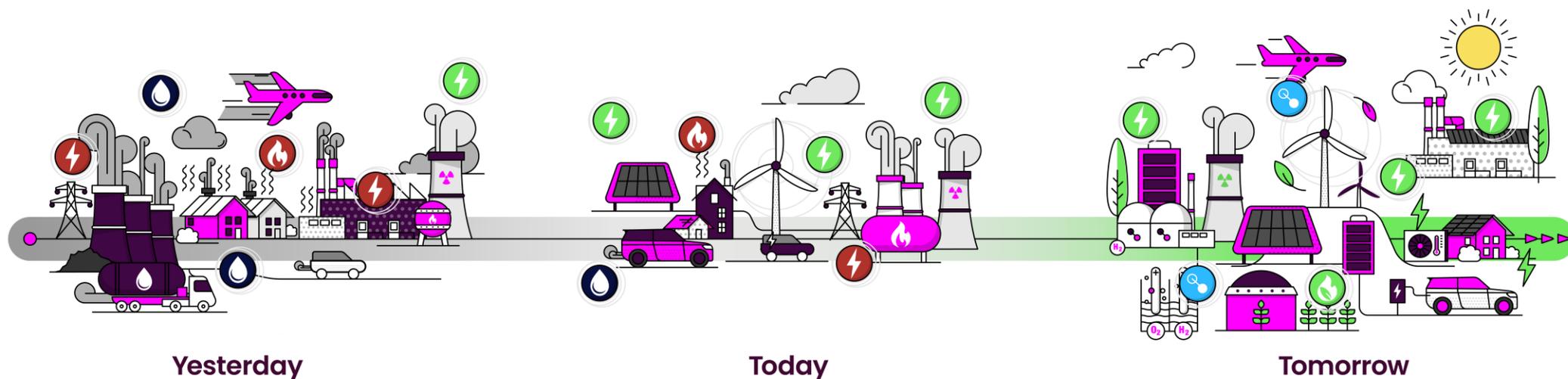
NESO is built on our previous experience as the Electricity System Operator (ESO).

We are a **public body, independent of the energy industry and Government.**

# What Government asked NESO to do

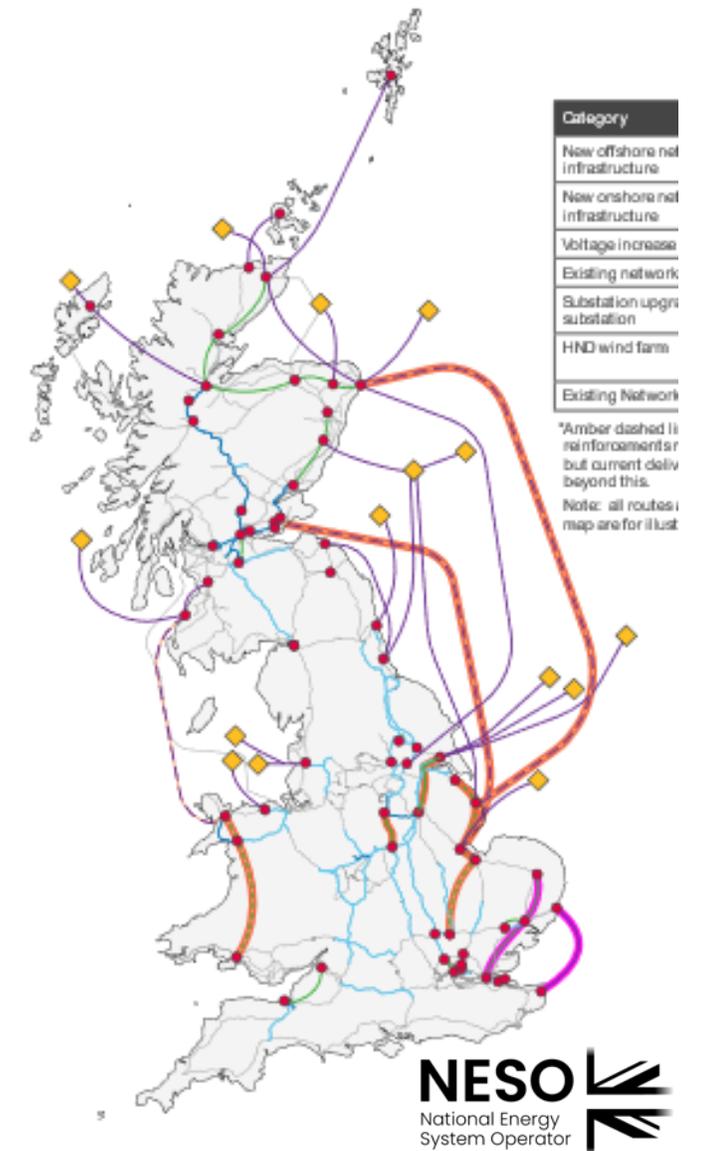
**HM Government has an ambition for Britain to be supplied with clean power by 2030.**

**The National Energy System Operator has been asked to provide independent advice on the pathway towards the 2030 ambition.**



# Reforming the grid connections process can power Britain's economic growth

- 1. Increase the role of GB's homegrown resources**
- 2. Empower business and consumers to act flexibly**
- 3. Creating opportunities for local growth**
- 4. Deliver positive impacts on nature, & public health**
- 5. Set up GB up as a global leader in clean power**

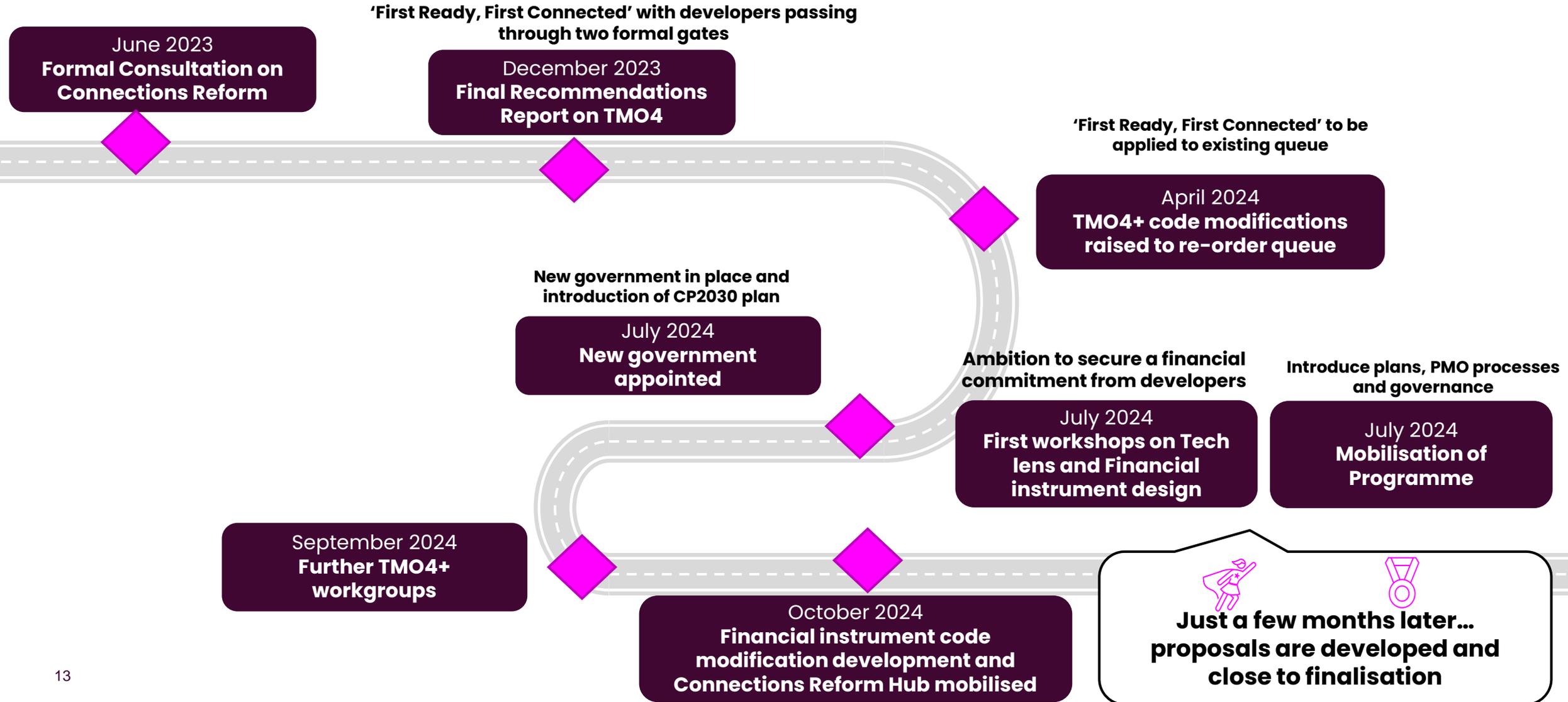


# We must do things differently to reach 2030

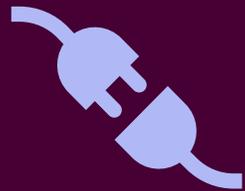
- 1. Transform the grid connections process**
- 2. Unlock the power of flexibility**
- 3. Create the clean power network of the future**
- 4. Cement Great Britain's leadership in offshore wind**
- 5. Lead the way in clean power development**
- 6. Make digitalisation central to delivery**

# Working together to deliver for Britain

We are not starting from scratch, but there is more work to do...



# There's lots more to do



Connections  
Reform

A connections process needs to be aligned to the technology mix we need for 2030 and beyond

# NESO Clean Power 2030 Advice

Technology	Unit	2023	2030		2035
		Installed	Further Flex and Renewables	New Dispatch	FES24 HT
Offshore Wind	GW	14.72	50.65	43.12	88.95
Onshore Wind	GW	13.69	27.33	27.33	31.25
Solar	GW	15.14	47.35	47.35	69.19
Nuclear	GW	6.08	3.52	4.13	5.00
Battery	GW	4.68	27.38	22.63	28.96
LDES	GW	2.75	7.86	4.57	10.46
Interconnectors	GW	8.40	12.45	12.45	23.65
Other Renewables	GW	4.74	5.70	5.70	5.69
Low carbon dispatchable	GW	-	0.28	2.69	7.23
Biomass & BECCS	GW	4.33	3.99	3.81	4.96
Fossil fuel	GW	41.23	35.17	35.17	5.40

# What's next?

**Expanding upon our progress so far, we are directing our reform efforts towards two primary areas:**

- **Accountability:** By introducing clearer milestones for project progression, we will ensure that projects can progress as necessary and be held accountable along the way.
- **Flexibility:** We will enable flexibility for the queue to be reformed in line with the technology mix that Britain needs.

**We invite you to respond to our methodologies consultation which seeks your views on the specific approaches and guidelines to be followed in the connections process**

Public

# Connections Reform

with NESO, Ofgem, DESNZ

10:15 – 11:30

# Agenda

## Topic

## Time

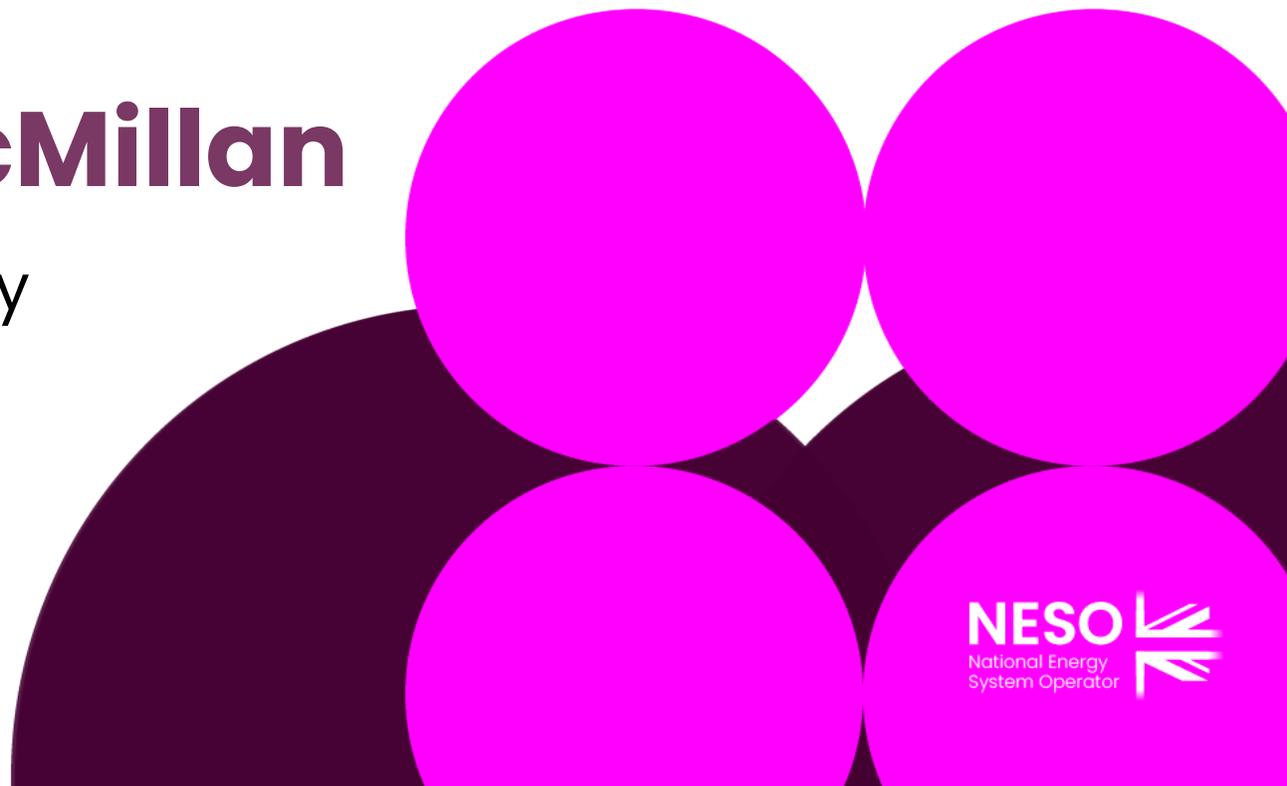
- |   |         |
|---|---------|
| • Ofgem Update                                    | 10 mins |
| • Overview of publication documents               | 05 mins |
| • Overview of three overall designs               | 05 mins |
| • Our overall preferred connections reform design | 20 mins |
| • Plan & Next steps                               | 5 mins  |
| • Q&A   | 30 mins |

# Ofgem update



## Alasdair MacMillan

Policy Lead – Electricity  
Connections

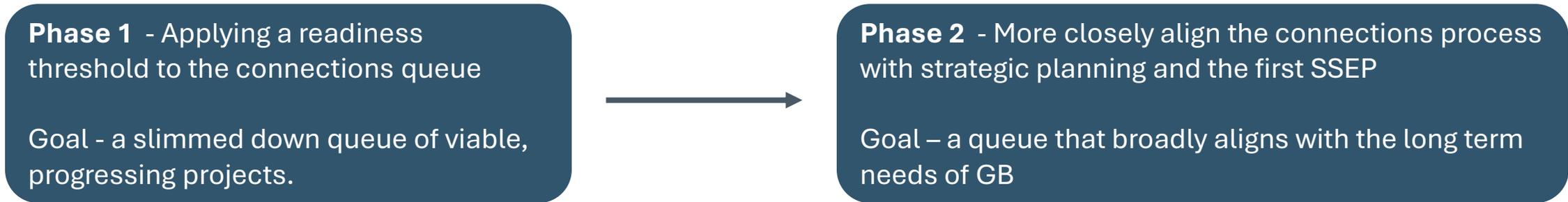


# Connections reform – where are we?

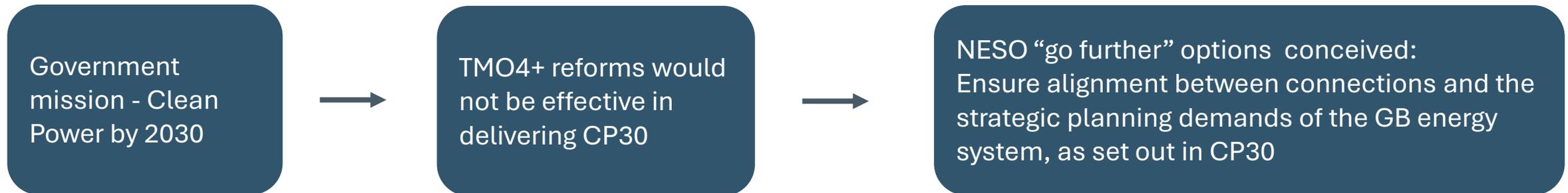
November 2024



Connections Reform was initially envisaged in two phases

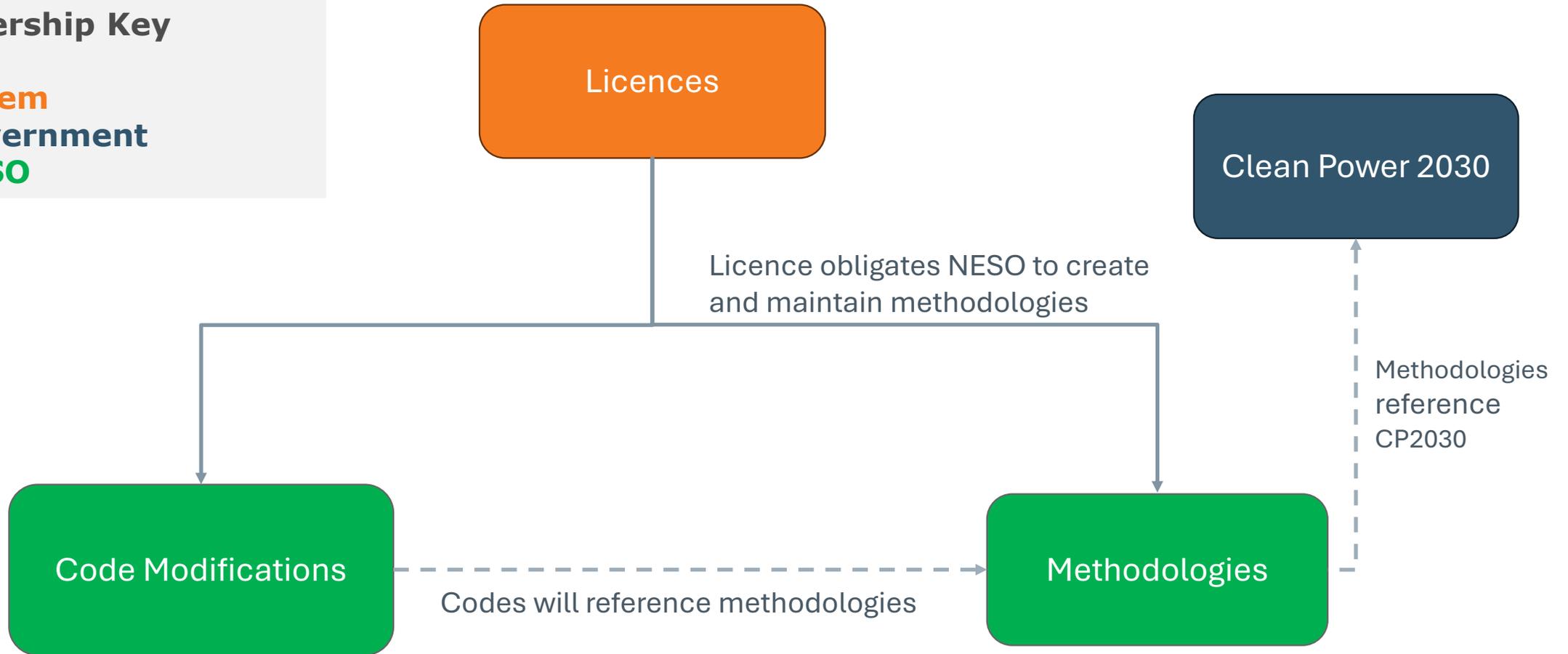


However, there is now a need to accelerate that process of alignment



**Ownership Key**

- **Ofgem**
- **Government**
- **NESO**



- *CMP434 & CM095 – Implementing Connections Reform*
- *CMP435 & CM096 – Application of Gate 2 Criteria to existing contracted background*

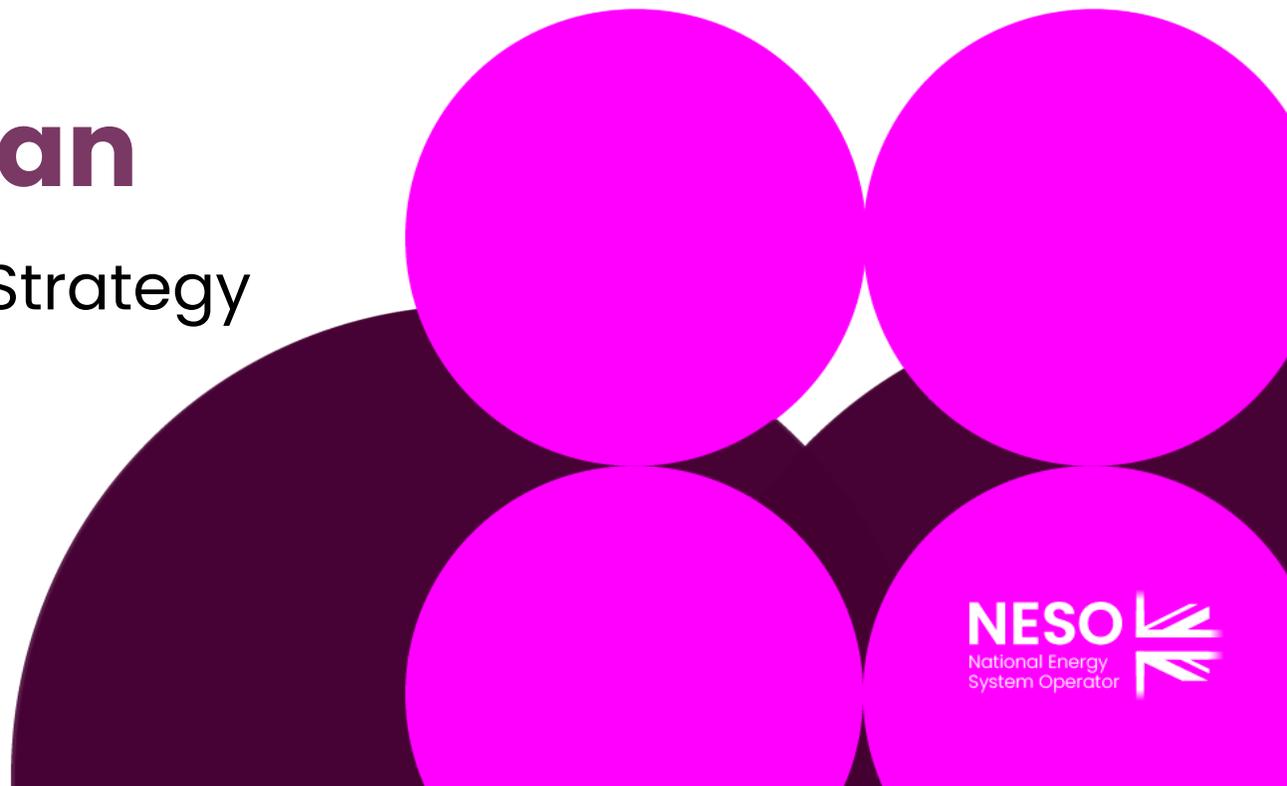
- *Gate 2 Criteria*
- *Connections Network Design Methodology*
- *Project Designation*

# Connections Reform overview



**James Norman**

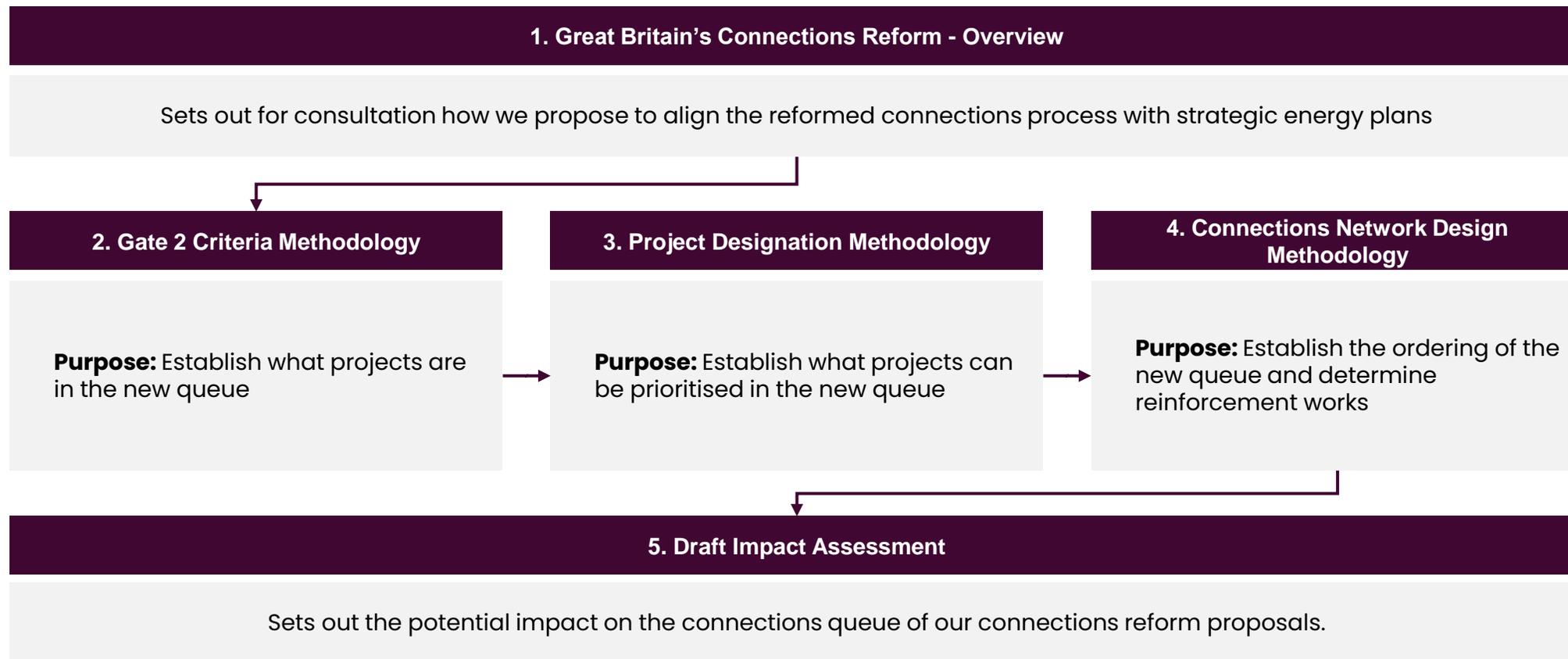
Head of Connections Strategy



# Overview of publication documents

# Overview of publication documents

Following extensive industry engagement, we're consulting on a new, agile, future-proof process for transmission system connections. Our reform proposals cover all transmission-level projects and any generation or storage projects affecting the transmission system. We've published several documents for consultation to gather your feedback and refine our designs.



# Overview of the three designs

# Key building blocks to align connections reform with strategic energy planning

Variable	Definition	Options			
1	<b>Time horizon for determining "aligned" project</b>	Under what time horizon is alignment considered	2030	2035	2035+
2	<b>Approach for managing scope of the new queue</b>	How we determine the size and make-up of the new queue	Readiness based	CP30 Plan aligned projects prioritised, then followed by any other 'ready' projects	Only 'ready' CP30 Plan aligned projects or 'ready' projects not known or out of scope of CP30

□ Final recommendation, as included in consultation
 □ Other assessed options

# Overview of three overall designs

## Three potential overall designs

1

New queue formed of:

- i) 'ready' projects already in the queue
- ii) 'ready' NESO designated projects
- iii) then, any new 'ready' projects that 'align with' the CP30 Plan are prioritised in future Gate 2 windows

2

New queue is formed of:

- i) 'ready' projects 'aligned with' the CP30 Plan
- ii) 'ready' projects not known at time of the CP30 Plan or otherwise outside scope of CP30 Plan

**Our preferred design**

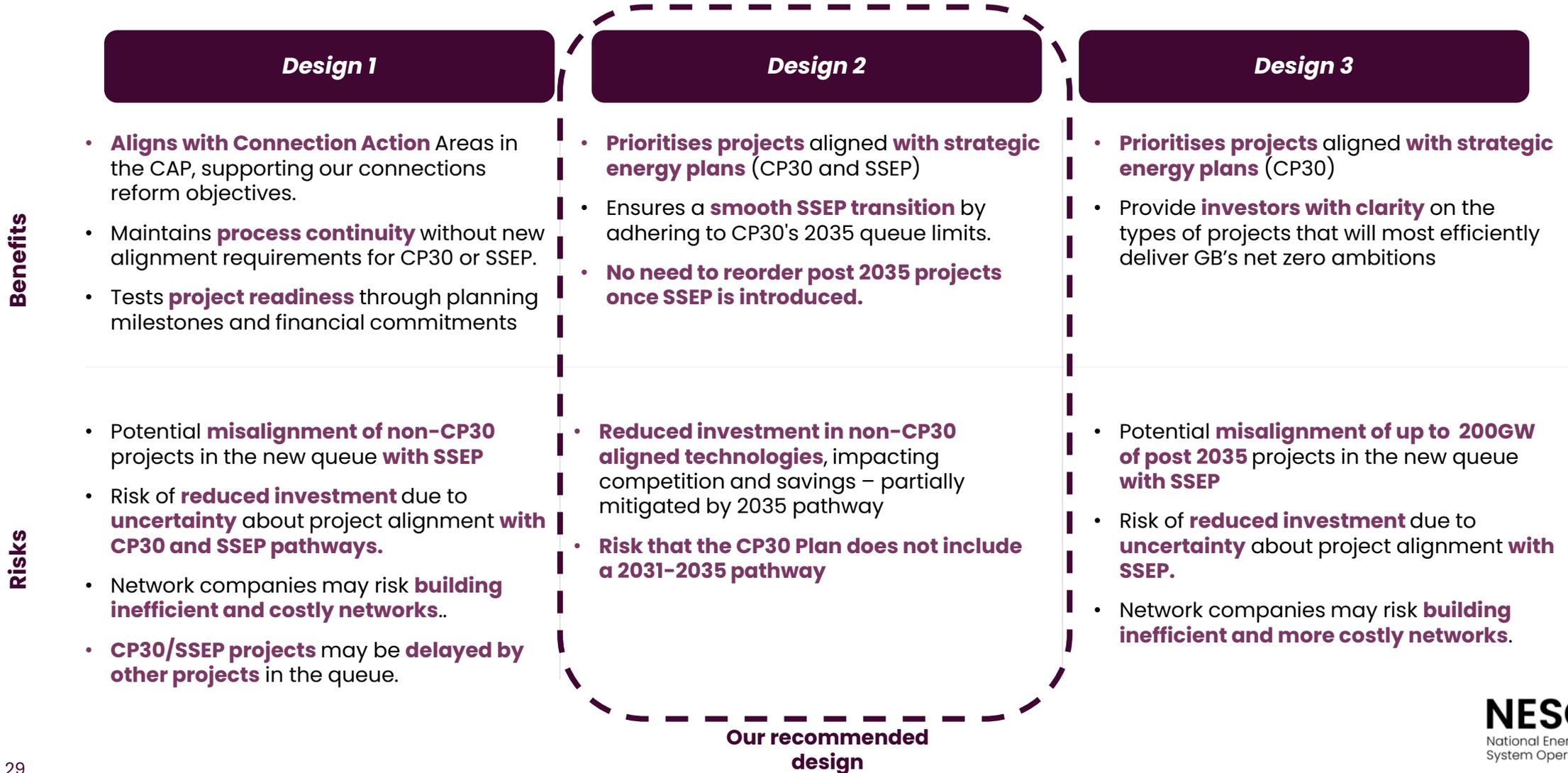
3

New queue is formed of:

- i) 'ready' projects 'aligned with' the CP30 Plan
- ii) 'ready' projects not known at time of the CP30 Plan or otherwise outside scope of CP30 Plan
- iii) any other 'ready' projects

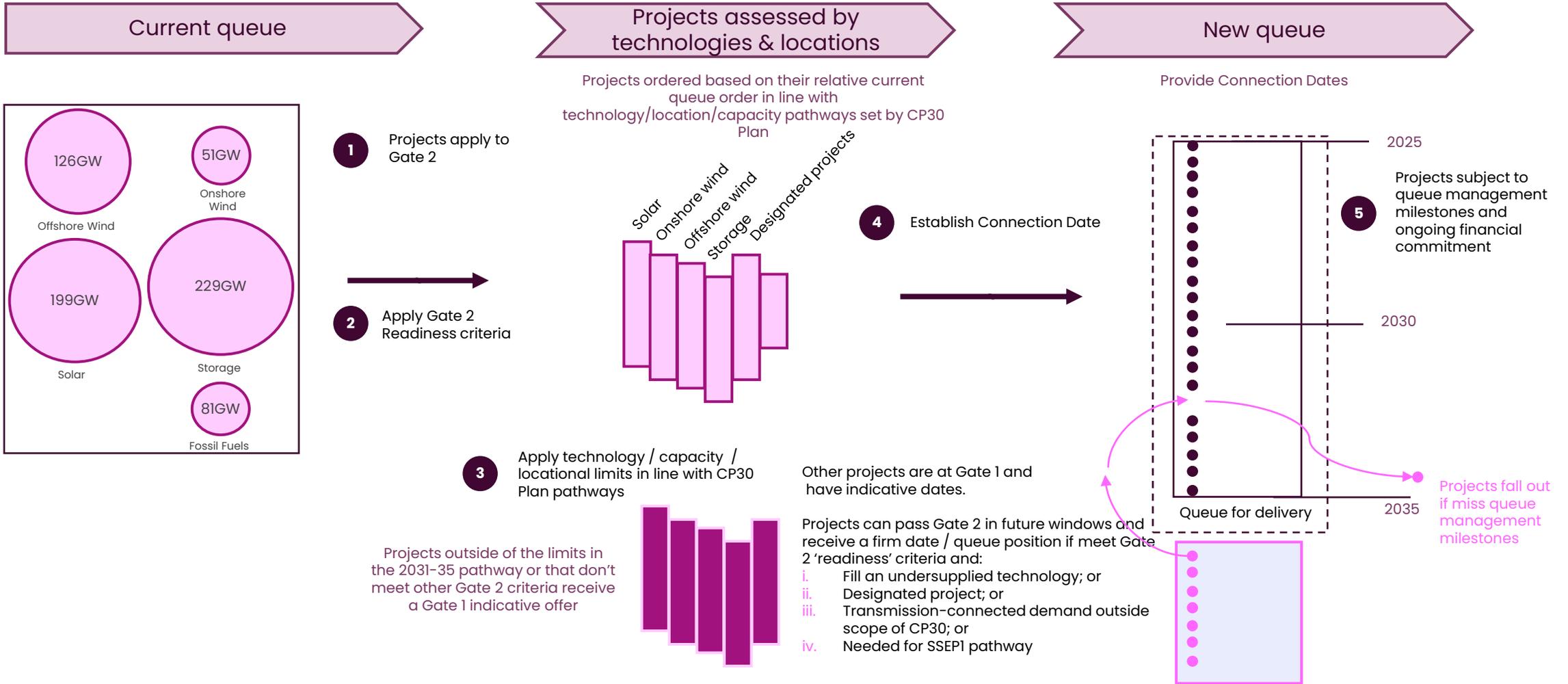
For more information on the link between Connections Reform and CP2030, visit the **Reform Methodologies breakout** and come to our **Webinar on 14<sup>th</sup> November**.

# Key benefits and risks of the three designs



# Our preferred design

# Deep Dive on Design Option 2



<sup>22</sup> This diagram also shows how additional variables (e.g., managing oversupply or undersupply) could work

# Further variables and options (1/3)

Variable	Definition	Options		
<b>3 Approach for demand projects</b>	How we treat demand projects in the queue	Strategic demand identified by government	‘Ready’ demand types in scope of CP30 included in new queue	Other ‘ready’ demand project types outside scope of CP30 can be included in the queue
<b>4 Approach to oversupply</b>	How to manage too much of a technology in the queue compared to a strategic plan	No limits (status quo)	Limits to align with any existing government targets	Limits based on project technologies / locations in scope of agreed plan (e.g., CP30 / SSEP)
<b>5 Approach to undersupply</b>	How to manage too little of a technology in the queue compared to a strategic plan	No correction of undersupply (status quo)	Potential substitution to meet undersupply – in adjacent locations	Reserve bay and network capacity for undersupplied technology type
<b>6 Approach to project attrition</b>	How to manage rates of project attrition in the queue	No replacement of 2035 pathway projects until SSEP1	No upfront attrition built in, but replacement of 2030 pathway(s) projects	[10%] upfront attrition built in
<b>7 Optimal use of the network<sup>30</sup></b>	Treatment of projects based on substation / bay utilisation efficiency	Any project of any size can connect at any substation / bay (status quo)	Allocate projects to either Transmission / Distribution based on project capacity	Allocate projects to a voltage level based on MW capacity
<b>8 Transition to SSEP1</b>	To what extent the queue may align with SSEP1 or potentially need to be reduced / reordered	No reduction or reordering of the new queue because of SSEP1	Some limited reduction or reordering of the new queue because of SSEP1 (e.g., pre planning consent)	No limits to reduction or reordering of the new queue because of SSEP1

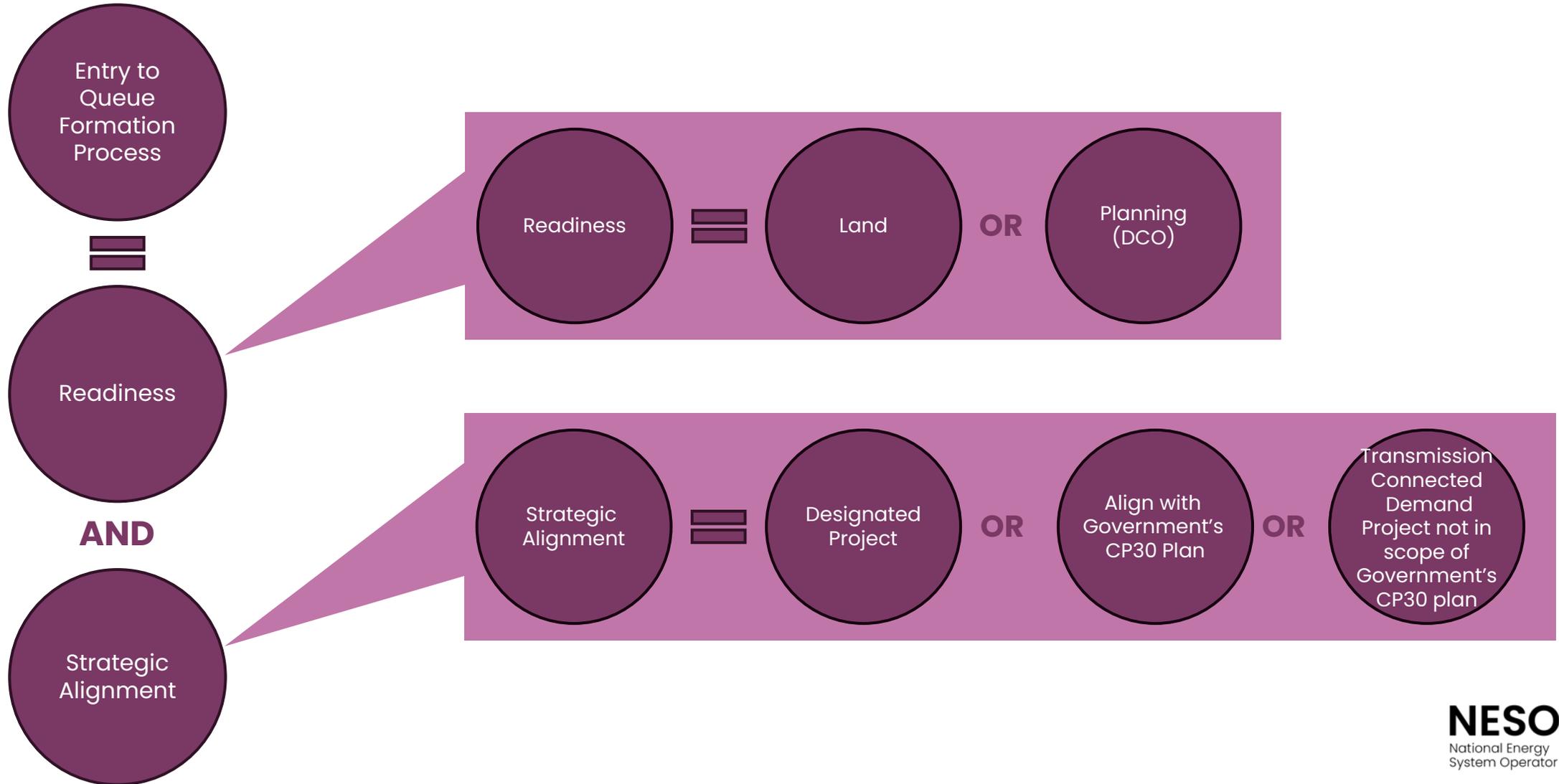
□ Final recommendation, as included in consultation
 □ Other assessed options

# Further variables and options (2/3)

Variable	Options		
<b>9</b> Does CP30 alignment apply to Transmission and Distribution?	Applies to T only	Applies to T and some D (i.e. to D that is in scope of TMO4+)	Applies to T and all D
<b>10</b> Is there a spatial element to CP30 alignment?	Yes – FES zones	Yes – CP30 zones	No
<b>11</b> How do we order projects in the new queue to determine CP30 alignment	Existing queue position	Planning status	Combination of existing queue position and planning status

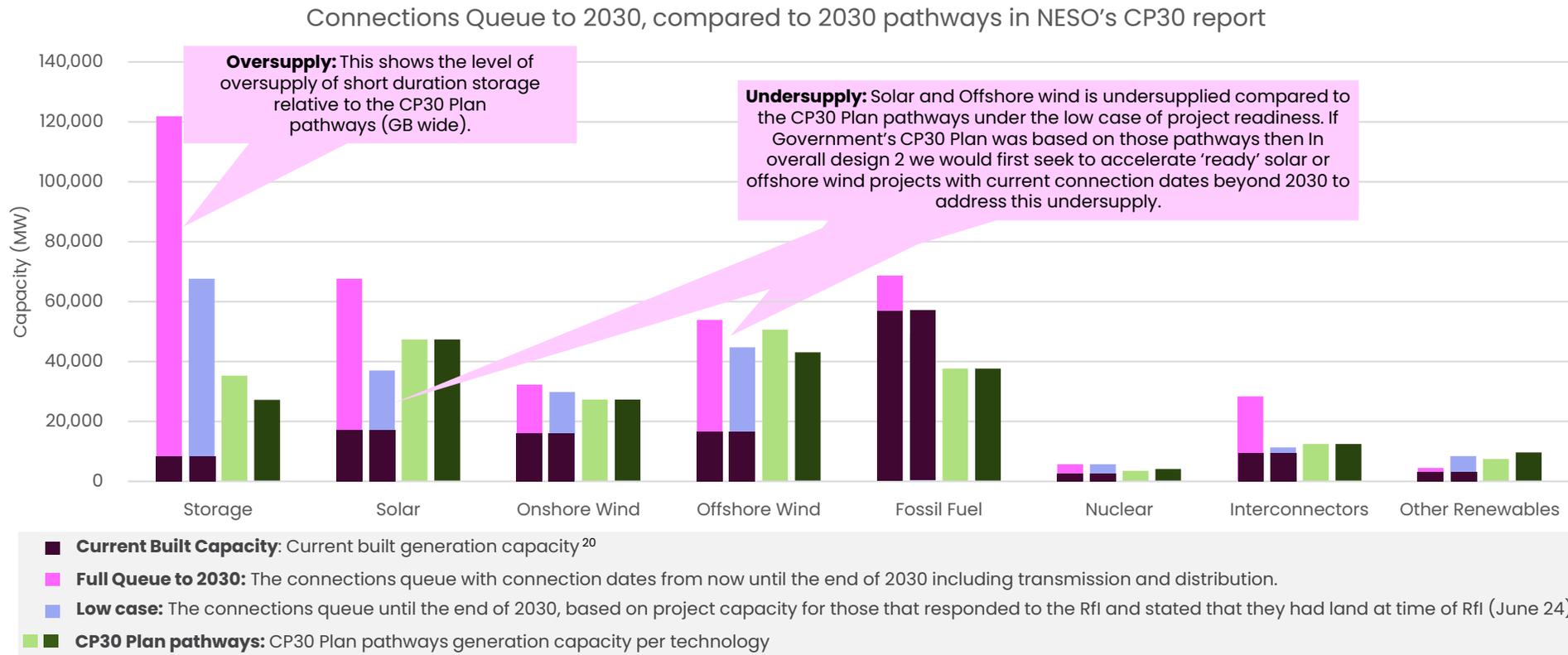
Final recommendation, as included in consultation
  Other assessed options

# Overall design 2



# Alignment with CP30 pathways to 2030 in our CP30 advice

The flowing graph shows the potential “ready” queue with connection dates to 2030 compared to the 2030 pathways in NESO’s CP30 advice



<sup>20</sup> Exception for Nuclear: Built projects is adjusted to only include Sizewell B (only project online in 2030). For low case, known Nuclear projects with land which is deemed more accurate than RfI.

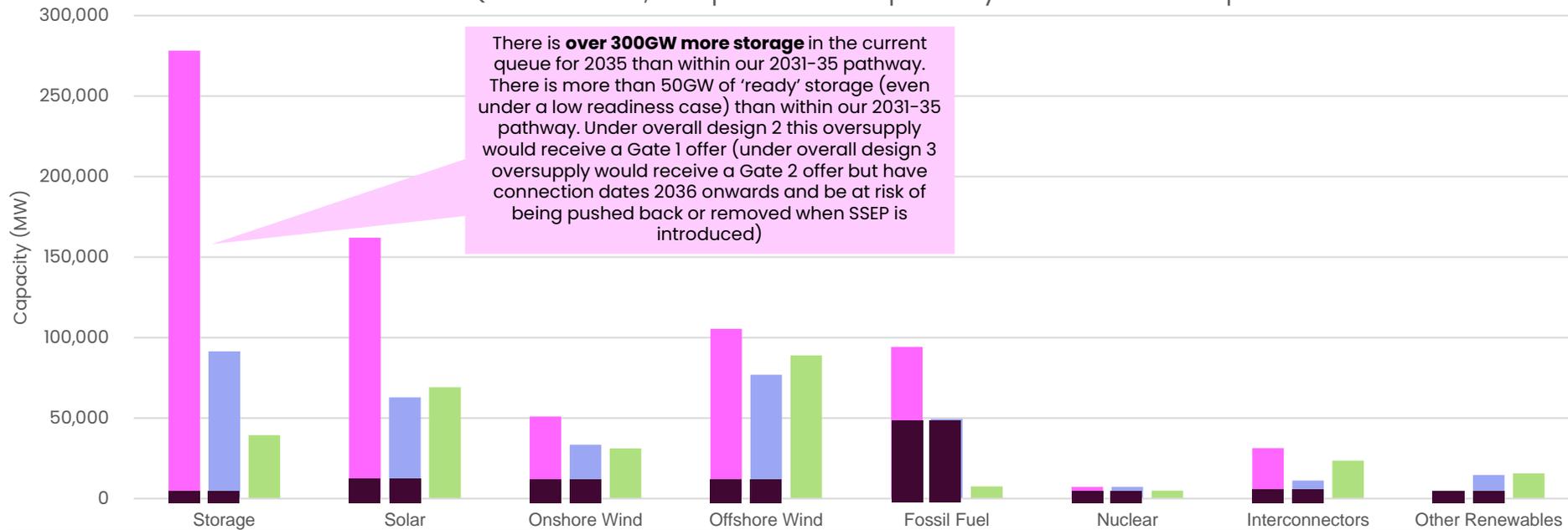
<sup>21</sup> Exception for low case; for offshore wind, crown estate lease data has overridden RfI data as is deemed to be more accurate. Low case only includes projects with a full seabed lease.

**Data journey:** The data modelling is based on a variety of data sources which NESO have collected for connections  
**Assumptions:** The data model does have limitations and has assumptions applied

# Alignment with CP30 pathway to 2035 in our CP30 advice

The flowing graph shows the estimated “ready” queue with connection dates to 2035 compared to the 2035 pathway in NESO’s CP30 advice.

Connections Queue to 2035, compared to 2035 pathways in NESO’s CP30 report



There is **over 300GW more storage** in the current queue for 2035 than within our 2031-35 pathway. There is more than 50GW of ‘ready’ storage (even under a low readiness case) than within our 2031-35 pathway. Under overall design 2 this oversupply would receive a Gate 1 offer (under overall design 3 oversupply would receive a Gate 2 offer but have connection dates 2036 onwards and be at risk of being pushed back or removed when SSEP is introduced)

**!** The current queue to 2035 has over **double the capacity** than what is required within our **proposed 2031-2035 pathway** (c285GW).

- Current Built Capacity:** Current built generation capacity<sup>22</sup>
- Full Queue to 2035:** The connections queue with connection dates from now until the end of 2035 including transmission and distribution.
- Low case:** The connections queue until the end of 2035, based on project capacity for those that responded to the RfI and stated that they had land at time of RfI (June 24)<sup>23</sup>
- 2035 pathway:** Capacity in 2035 from the 2035 pathway in NESO’s CP30 report

<sup>22</sup>Exception for Nuclear: Built projects is adjusted to only include Sizewell B (only project online in 2035). For low case, known Nuclear projects with land which is deemed more accurate than RfI.  
<sup>23</sup>Exception for low case; for offshore wind, crown estate lease data has overridden RfI data as is deemed to be more accurate. Low case only includes projects with a full seabed lease.

**Data journey:** The data modelling is based on a variety of data sources which NESO have collected for connections  
**Assumptions:** The data model does have limitations and has assumptions applied

# Further variables and options (3/3)

We have assessed additional variables to further inform our recommendations

Variable	Options		
<b>12</b> Are the categories for technologies within pathways the same as in Government CP30 Plan?	Yes		No
<b>13</b> Does a project that has a Connection Point and Capacity reserved at Gate 1 count towards CP30 Plan alignment?	Yes		No
<b>14</b> Should capacity limits by technology/location be set for each year of a pathway?	Year by Year	5 yearly blocks: 2025 - 2030 and 2031 - 2035	
<b>15</b> Are capacity limits based on installed capacity?	Installed capacity	Contracted export capacity	
<b>16</b> How do we replace projects that exit the queue?	Offer acceleration of connection date to like for like project lower in new queue	Offer capacity to next like for like project that meets Gate 2 criteria	Open to next project of any technology that meets Gate 2 criteria
<b>17</b> What happens where part of a project's capacity exceeds a pathway limit?	Allow the full capacity to connect	Allow capacity up to the limit to connect <sup>32</sup>	Allow non-firm access for capacity above the limit
<b>18</b> What is the approach for hybrid projects?	Treat as all technologies irrespective of system behaviour	Treat as a single technology irrespective of system behaviour	Treat in line with system behaviour

Final recommendation, as included in consultation
Other assessed options

# Plan and next steps



# Respond to consultation

- Responses to consultation due: 2 December 2024
- Plan to submit all documents to Ofgem by 20 December 2024
- Expect Ofgem decision on Code Modifications and Methodologies in Q1 2025



Public

# Q&A

Slido Code  
#ConnectionsReform



**James Norman**  
**NESO**  
**Head of Connections Strategy**



**Alasdair MacMillan**  
**Ofgem**  
**Policy Lead – Electricity Connections**



**Daniel Boorman**  
**DESNZ**  
**Head of Network Connections and  
Regulatory Policy**

Public

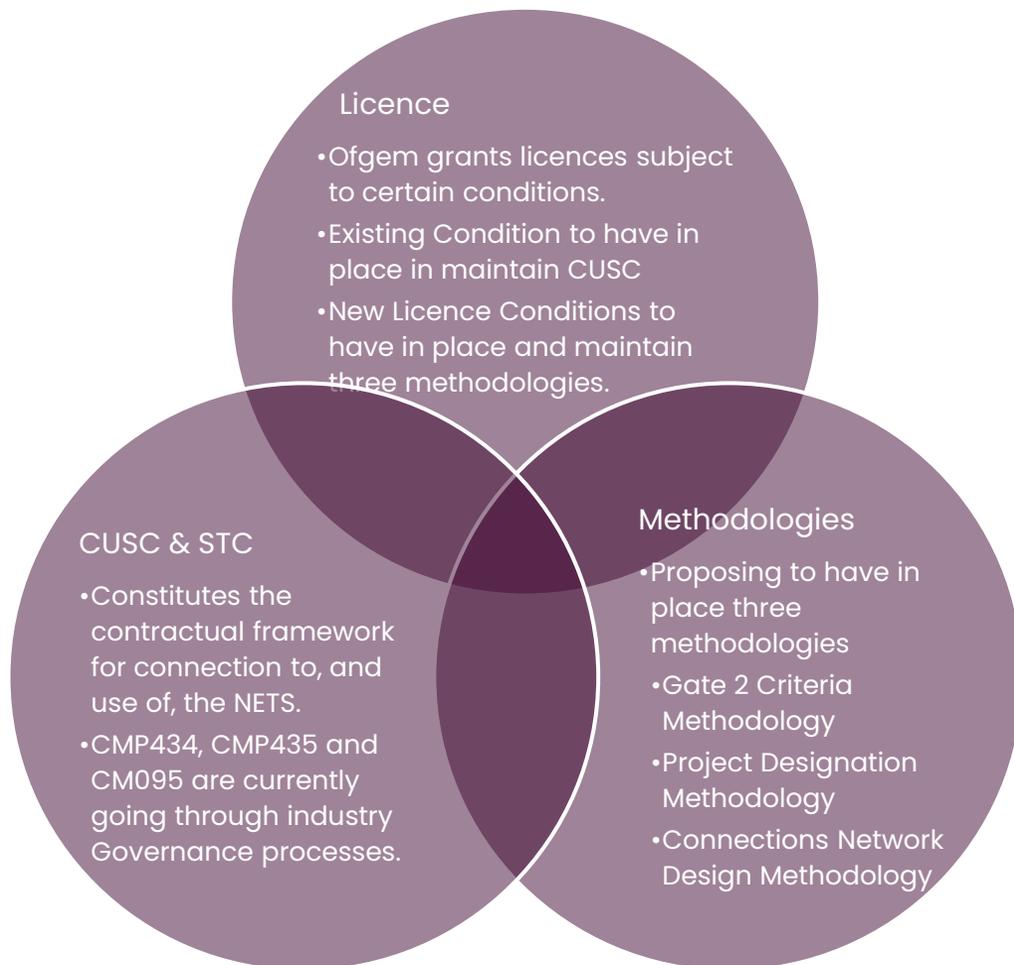
# Break

## 11:30 – 12:00

# Breakout session:

# Reform Methodology

# Giving effect to Connections Reform



## 1. Gate 2 Criteria Methodology – Detailed Document

**Purpose:** Establish what projects make it into new queue  
**Focus:** Appropriate Land rights (including Development Consent Order (DCO) submission)

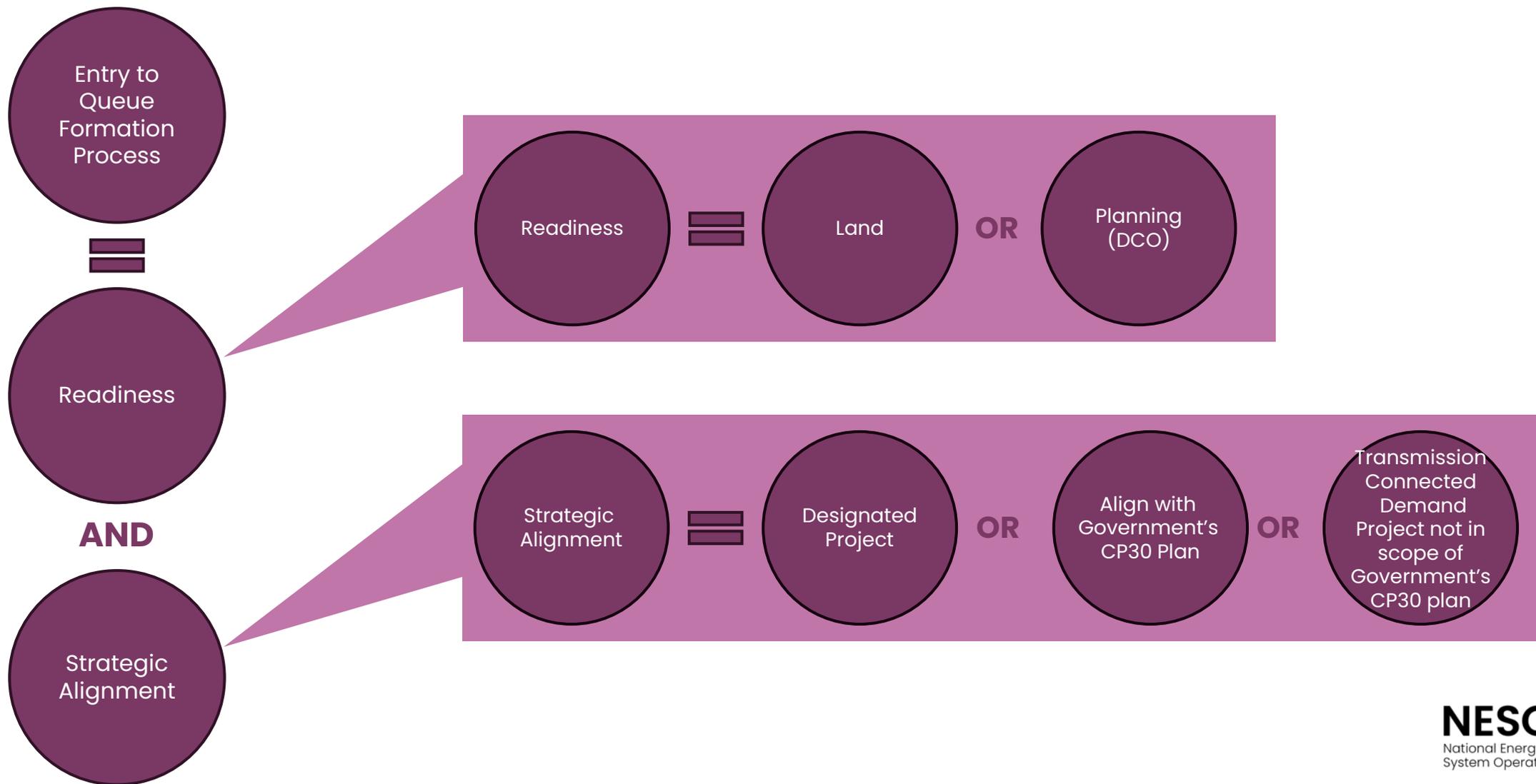
## 2. Project Designation Methodology – Detailed Document

**Purpose:** Establish what projects are prioritised in the new queue  
**Focus:** Which types of projects could be designated and prioritised

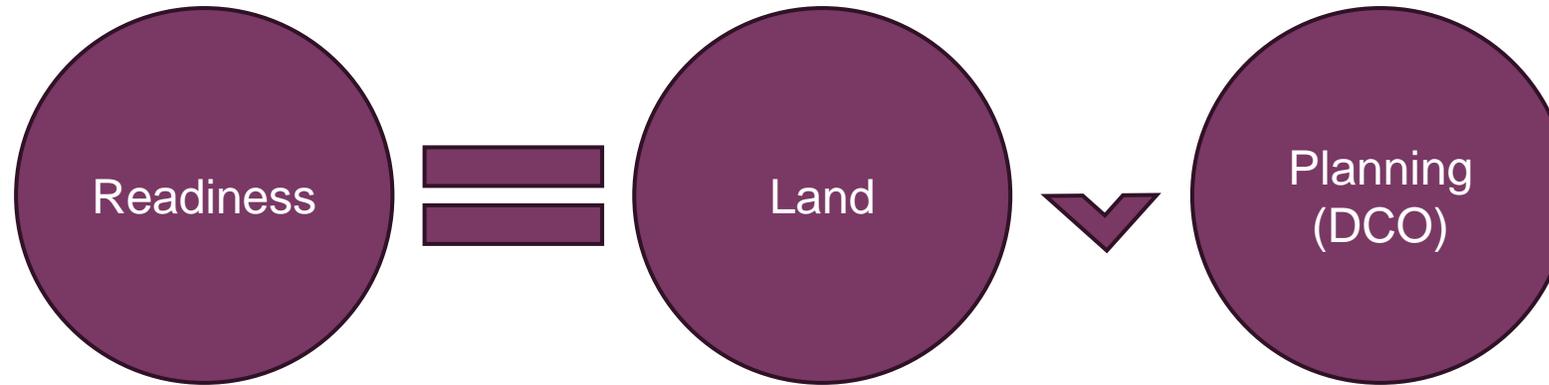
## 3. Connections Network Design Methodology – Detailed Document

**Purpose:** Establish the ordering of the new queue and determine reinforcement works  
**Focus:** Queue formation, study approach, capacity reallocation following termination

# Entry to reformed queue



# Gate 2 Criteria Methodology: Readiness



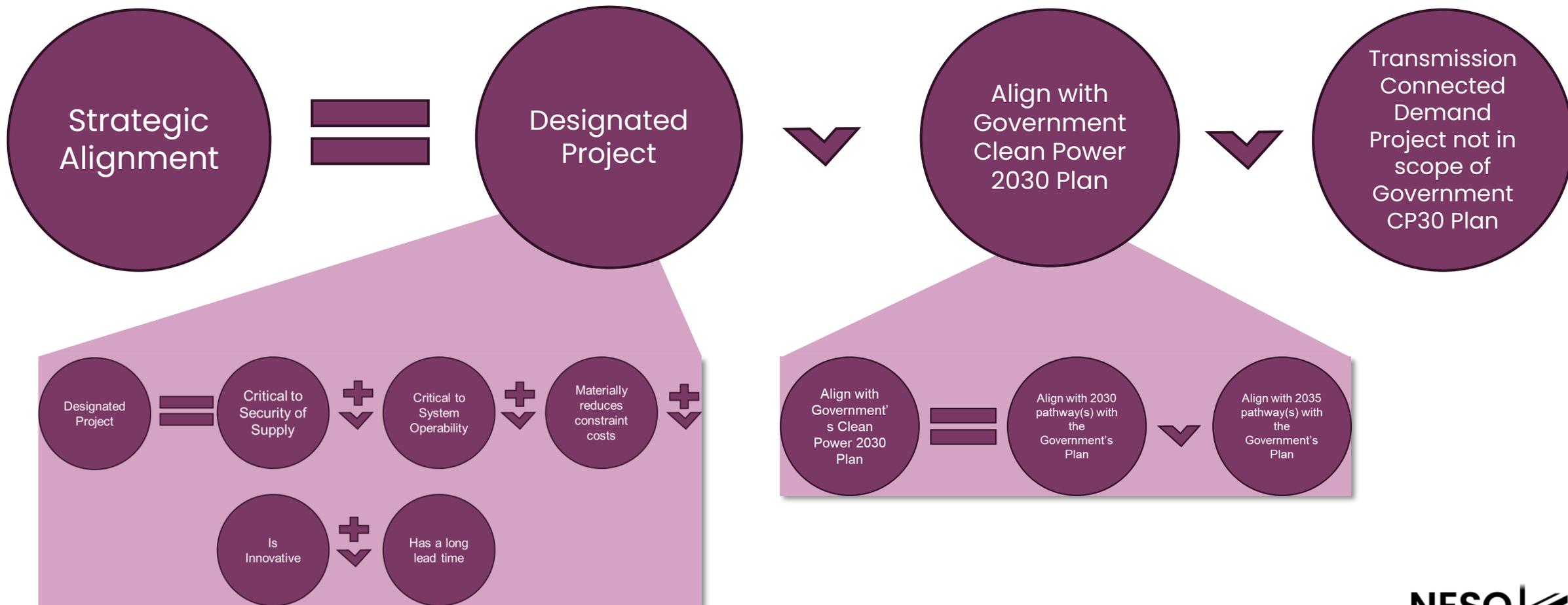
**LAND (See Section 4)**

- Meet Minimum acreage requirements (or Offshore equivalent as set out in Section 4.4); and
- Provision of Original Red Line Boundary for site on which project is located; and
- Secured Land Rights

**PLANNING (See Section 5)**

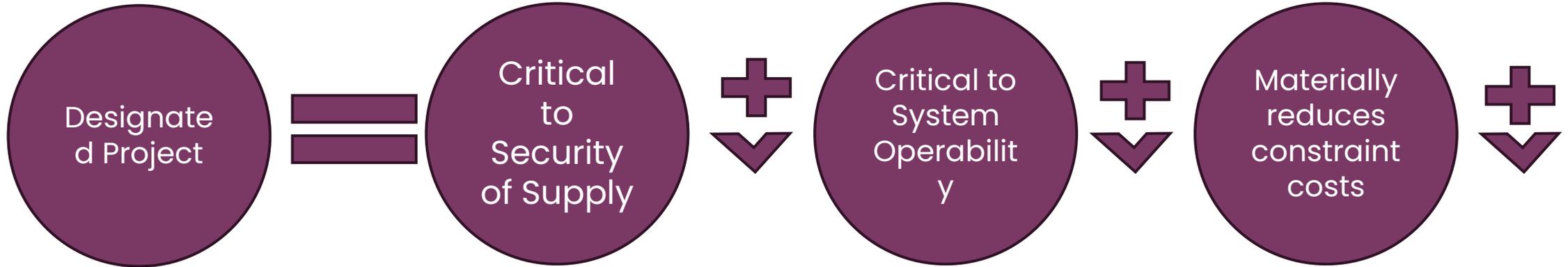
- Submission of application for planning consent for project following DCO route
- Minimum acreage and provision of Original Red Line Boundary for site on which project is located must be provided as part of evidence of meeting Queue Management Milestone M2

# Strategic Alignment



# Project Designation: Innovative and Long Lead Time Projects

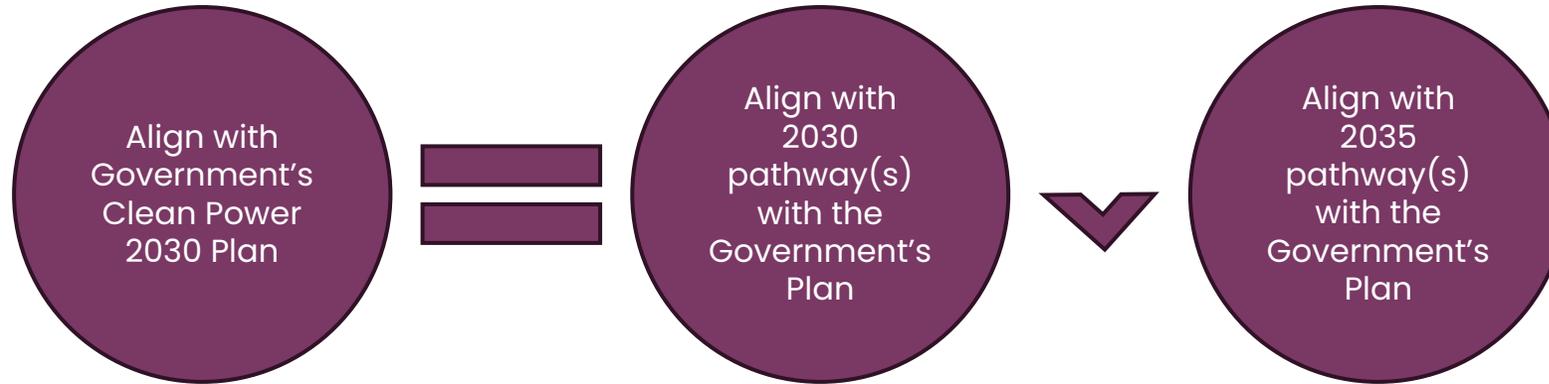
Designation routes where connections process was readiness only



Designation routes where connections process aligns with strategic plans

- Proposal is:
  - 'Innovative' means it is a technology category that was not considered commercially viable at the time of the plan, but the developer can show is now.
  - Projects with a long lead time are those projects which if delivered in line with industry best practice have a development cycle that goes beyond the time envelope of the current plan.

# Align with 2030 Pathway(s) or 2035 Pathway within Government's Clean Power 2030 Action Plan



Technology	Unit	2023	2030		2035
		Installed	Further Flex and Renewables	New Dispatch	FES24 HT
Offshore Wind	GW	14.72	50.65	43.12	88.95
Onshore Wind	GW	13.69	27.33	27.33	31.25
Solar	GW	15.14	47.35	47.35	69.19
Nuclear	GW	6.08	3.52	4.13	5.00
Battery	GW	4.68	27.38	22.63	28.96
LDES	GW	2.75	7.86	4.57	10.46
Interconnectors	GW	8.40	12.45	12.45	23.65
Other Renewables	GW	4.74	5.70	5.70	5.69
Low carbon dispatchable	GW	-	0.28	2.69	7.23
Biomass & BECCS	GW	4.33	3.99	3.81	4.96
Fossil fuel	GW	41.23	35.17	35.17	5.40

# Connections Network Design Methodology – Queue Formation

1. Form a sub-queue for each technology in each zone (e.g. short duration storage in Zone 1).



2. Remove those with existing connection dates after 2030 that have not requested advancement to 2030 or earlier and add to Phase 2.



Added to Phase 2 (2031–2035)

3. Determine planning status of remaining projects.



Planning obtained      Planning Submitted      Land Rights



4. Order queue based on planning status.

5. Determine point where 2030 pathway reached. Add projects exceeding the pathway to Phase 2.



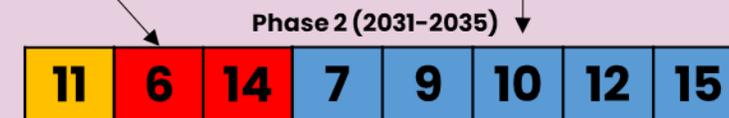
Phase 1 (now to 2030)



7. Return Phase 1 projects to original relative queue positions.



8. Determine point in Phase 2 queue where 2035 pathway reached. Any exceeding the pathway will not receive a Gate 2 offer.



Phase 2 (2031–2035)

Do not receive Gate 2 offer

# Respond to consultation

- Responses to consultation due: 2 December 2024
- Plan to submit all documents to Ofgem by 20 December 2024
- Expect Ofgem decision on Code Modifications and Methodologies in Q1 2025



# Q&A

**Slido Code**  
**#ReformMethodology**

Visit **sli.do** on your device and enter the code **#ReformMethodology** to share any questions and to leave feedback on our breakout session.



# Breakout session:

# Reform Codes

# Code Modification Process Overview



Talk to us

Raise a mod

Refine solution

Consult

Decision

Implement

Forums

Panels

Workgroups  
(Workgroup Consultations)

Ofgem/Panel

# Code Administrator Consultation

- Code Administrator runs a consultation on the **final solutions**, to gather final views from industry before a decision is made on the modification.
- The Code Administrator Consultations close **5pm** on **26 November**.  
  
No late submissions will be accepted.
- After this, the Panel vote on the modification report and give views on the solution.

# How to respond?

## I wish my response to be:

(Please mark the relevant box)

**Non-Confidential** (this will be shared with industry and the Panel for further consideration)

**Confidential** (this will be disclosed to the Authority in full but, unless specified, will not be shared with the Panel or the industry for further consideration)

## Remember:

- Confirm the status of your response
- Be as concise as possible
- Be prepared for follow up queries

Standard Code Administrator Consultation questions		
1	Please provide your assessment for the proposed solution(s) against the Applicable Objectives?	Mark the Objectives which you believe the proposed solution(s) better facilitates: Original <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G WACMI <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G Click or tap here to enter text.
2	Do you have a preferred proposed solution?	<input type="checkbox"/> Original <input type="checkbox"/> WACMI <input type="checkbox"/> Baseline <input type="checkbox"/> No preference Click or tap here to enter text.
3	Do you support the proposed implementation approach?	<input type="checkbox"/> Yes <input type="checkbox"/> No Click or tap here to enter text.
4	Do you have any other comments?	Click or tap here to enter text.
5	Do you agree with the Workgroup's assessment that the modification does not impact the Electricity Balancing Regulation (EBR) Article 18 terms and conditions held within the Code?	<input type="checkbox"/> Yes <input type="checkbox"/> No Click or tap here to enter text. Click or tap here to enter text.

# Next steps

- Workgroup Reports uploaded to modification pages today and published as part of Special Panel Papers.
- Workgroup Reports and Annexes become the Code Administrator Consultations and Annexes. (unless the Panels request changes)
- Code Administrator Consultations and Annexes published with pro-forma by 11 November and close **5pm on 26 November.**

# Re-baselined TMO4+ process passing through code governance

As part of this, workgroups have been taking place over the last few months, to gather insights, challenge and input into the design of the aspects of the TMO4+ process which are proposed to be codified.

We have taken on feedback from the Workgroup consultation, and we have refined the TMO4+ process being proposed through the code modifications. Therefore, the core features of the aspects of TMO4+ which are currently in the process of being codified under our proposal are as follows.

---

## Core Feature

**Combined Gate 1 and 2 application window process** that is to open twice a year with Gate 1 as an optional stage. The opening of the application windows will be announced in a NESO published Gated Timetable.

Includes the potential for NESO to **reserve connection points and/or capacities** e.g. for long-lead time projects submitting Gate 1 Applications.

**Introduces further ongoing compliance milestones** for Transmission-connected Gate 2 Projects i.e. in respect of adjustments to Queue Management Milestones, and the introduction of Original Red Line Boundary compliance arrangements.

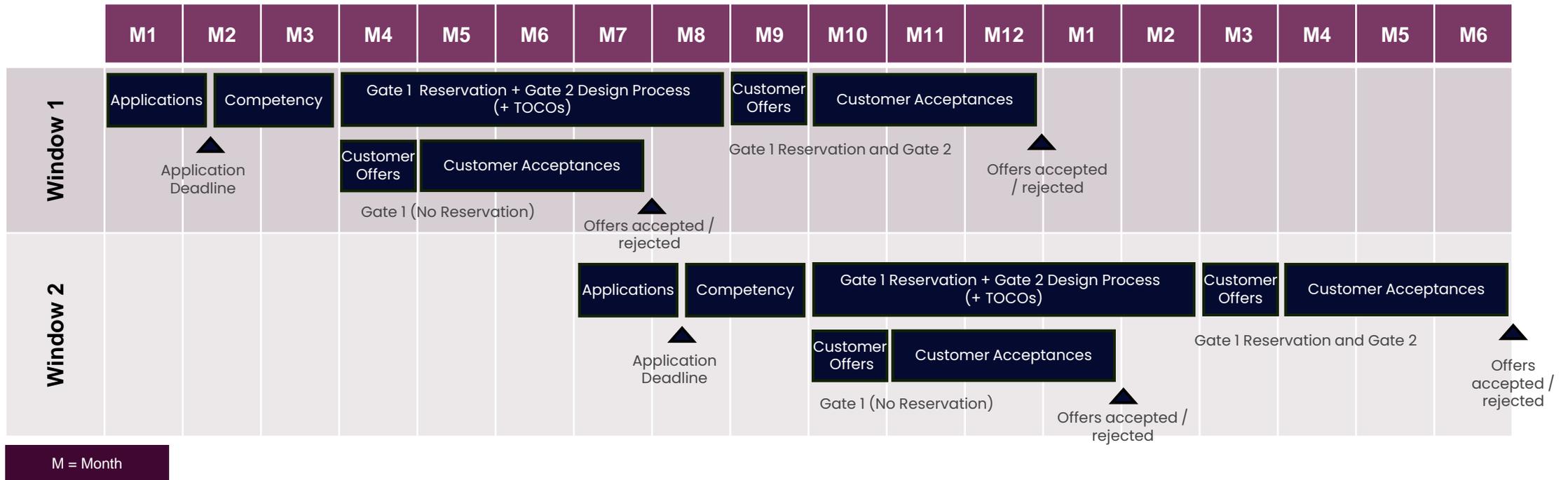
A **one-off 'Gate 2 to Whole Queue' exercise**, to transition all existing agreements into either Gate 1 agreements or Gate 2 agreements, depending on whether existing contracted projects have met the Gate 2 Criteria.

**Tailored arrangements** for embedded generation projects to ensure the process suitably reflects the interface between NESO and DNOs / Transmission Connected iDNOs in relation to the connection of embedded generation.

Three new Methodologies are also proposed to be introduced, derived from new Transmission Licence conditions.

# For new entrants, the TMO4+ process will be as follows, and take place twice a year

Whilst the month of “M1” remains to be confirmed in the Gated Timetable, the below demonstrates that the end-to-end process is expected to take up to a year and will provide developers with an opportunity to apply every six months.



Note that the process for “Gate 2 to Whole Queue” from Q2 2025 will be based on the same activities as shown above, albeit with variations (e.g., timing of stages may differ). Further details on the specific stages and timings for 'Gate 2 to Whole Queue' will be shared in due course.

# Ongoing Compliance (Land and Planning)

**Once a project has met the Gate 2 Criteria and the User has signed the Gate 2 Connection Offer, there will be ongoing compliance requirements regarding the land and planning.**

## Land

Whatever Installed Capacity in MW (expressed in whole MW or to one decimal place) is built within the Original Red Line boundary, only 50% of that number can then be located outside of the Original Red Line Boundary. Where this calculation results in a number that is less than the total Installed Capacity, the total Installed Capacity will be reduced accordingly (and this may result in a Transmission Entry Capacity reduction).

If following the Planning route to meeting Gate 2 Readiness Criteria, the ongoing land compliance requirements will apply from when the User has met Queue Management Milestone M2.

Note that Embedded Power Stations' Queue Management Milestones and ongoing land compliance requirements will continue to be managed by DNOs or Transmission Connected iDNOs.

## Planning

Requirement to submit the application for planning consent at the earliest of the

- the Queue Management Milestone M1 ("M1") calculated back from the contracted completion date; or
- M1 calculated forwards from the Gate 2 offer date (based on an agreed standard time period (set out on next slide) calculated from the date of the Gate 2 offer for each planning type) to move from Queue Management Milestone M3 ("M3") to M1.

This requirement is not applicable to Users who have met the Gate 2 Readiness Criteria through the planning route as they would have already met Queue Management Milestone M1.

The requirements to meet Queue Management Milestones will continue to apply.

\*Potential for land compliance exceptions process to be set out in QM Guidance.

# Ongoing Compliance – Queue Management Milestone M1

Earlier of **backwards looking M1** and **forward looking M1** will be the Queue Management Milestone M1

**Backwards looking M1** – calculated back from contracted completion date

or

**Forward looking M1** – calculated forward from Gate 2 Offer date\*

From 0 up to 2 years from contracted Completion date	2 up to 3 years from contracted Completion date	3 up to 4 years from contracted Completion date	4 up to 5 years from contracted Completion date	5 years and above from contracted completion date
Bilaterally negotiated	18 months	24 months	36 months	48 months

Planning / Technology Type	Timescale from Gate 2 Offer to M1
<b>Town and Country Planning (England, Scotland and Wales)</b>	2 years
<b>Section 36 (England/Scotland)</b>	3 years
<b>Development of National Significance (Wales)</b>	3 years
<b>NSIP / DCO (England and Wales)</b>	3 years
<b>Offshore (including Offshore Wind, Interconnectors and OHAs)</b>	5 years
<b>Nuclear</b>	Case by Case
<b>Novel technologies</b>	Case by Case

\*Potential for milestone adjustment through exceptions process in CUSC Section 16.

# Q&A

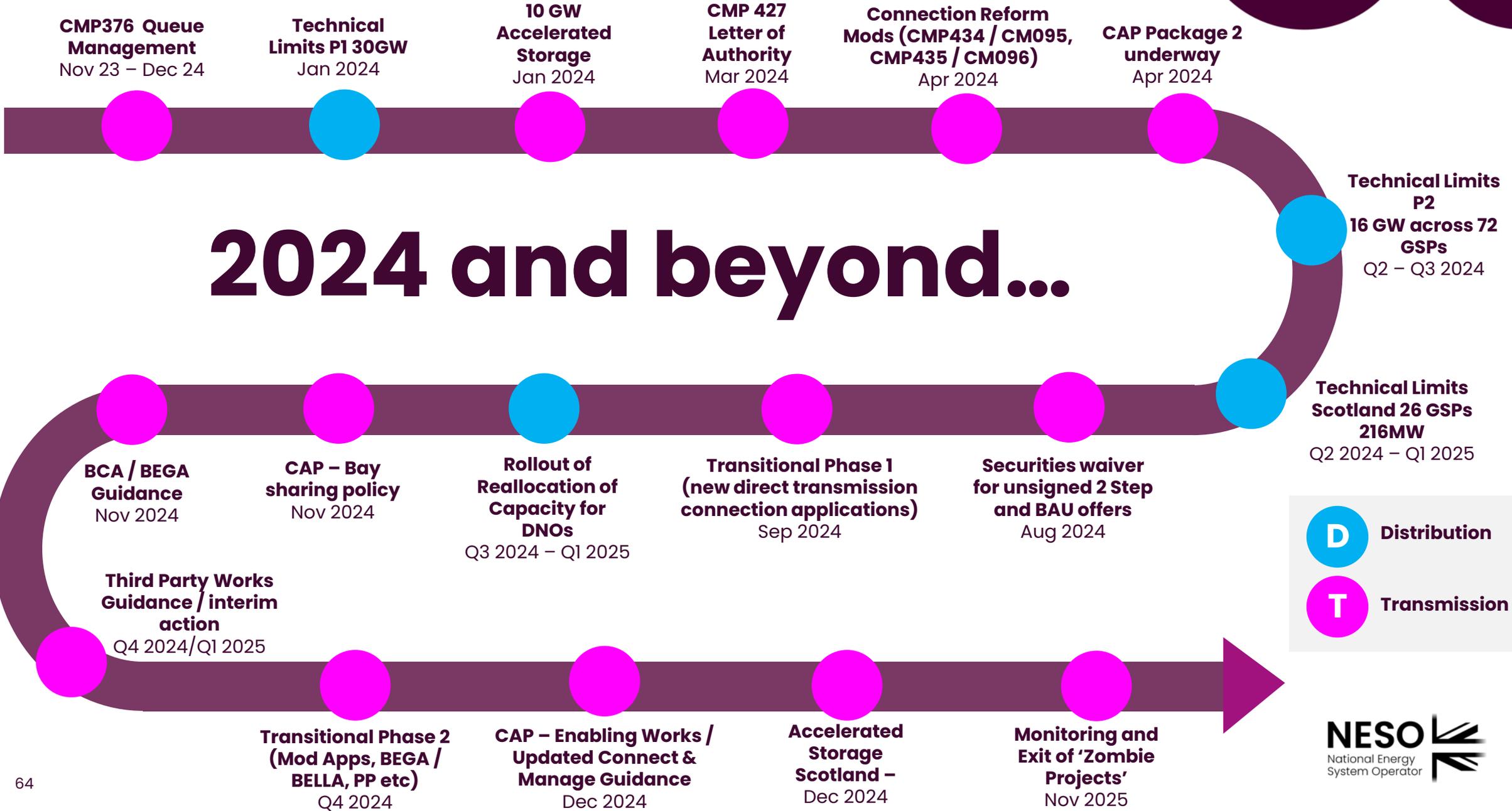
Slido Code  
**#ReformCodes**

Visit **sli.do** on your device and enter the code **#ReformCodes** to share any questions and to leave feedback on our breakout session.



**Breakout session:**

**Tactical Initiatives**



**D** Distribution  
**T** Transmission

# Roundtable Introduction



## 1. Transitional Arrangements

Alex Curtis (NESO)



## 3. Technical Limits

Zivanayi Musanhi (UKPN)  
Alex Markham (NESO)

## 2. Policies and Guidance

(acc storage, bay sharing, third party works)

Jo Greenan (NESO)  
Sabrina Gao (NESO)  
Atia Adrees (NESO)  
Annette Sloan (SSENT)



## 4. ENA Initiatives

(distribution queue management, storage, T&D connection charging reform)

David Boyer (ENA)  
Jim Cardwell (NPG)  
William Kirk-Wilson (NESO)



# Slido code: #TacticsNov



Visit **slido** on your device and enter the code **#TacticsNov** or scan the QR code to share any questions that have not been answered today, and to leave feedback on our breakout session.

**Breakout session:**

**Connections  
Operations**

Public

# Engineering and Customer Solutions Senior Leadership Team



**Matthew Magill**  
Director of Engineering & Customer Solutions



**Matthew Vickers**  
Director of Connection Reform Programme



**Emma Davis**  
PA & E&CS Team Coordinator



**Shiani Felton**  
Senior Programme Manager – Major Projects



**Karen Thompson-Lilley**  
Head of Connections Reform Hub



**Rob Marshall**  
Head of Balancing Services



**Nicholas Harvey**  
Head of Network Operability



**Cheng Chen**  
Head Of Offline Modelling



**Nicola Bruce**  
Head Of Connections Operations



**Robyn Jenkins**  
Head Of Connections Change Delivery

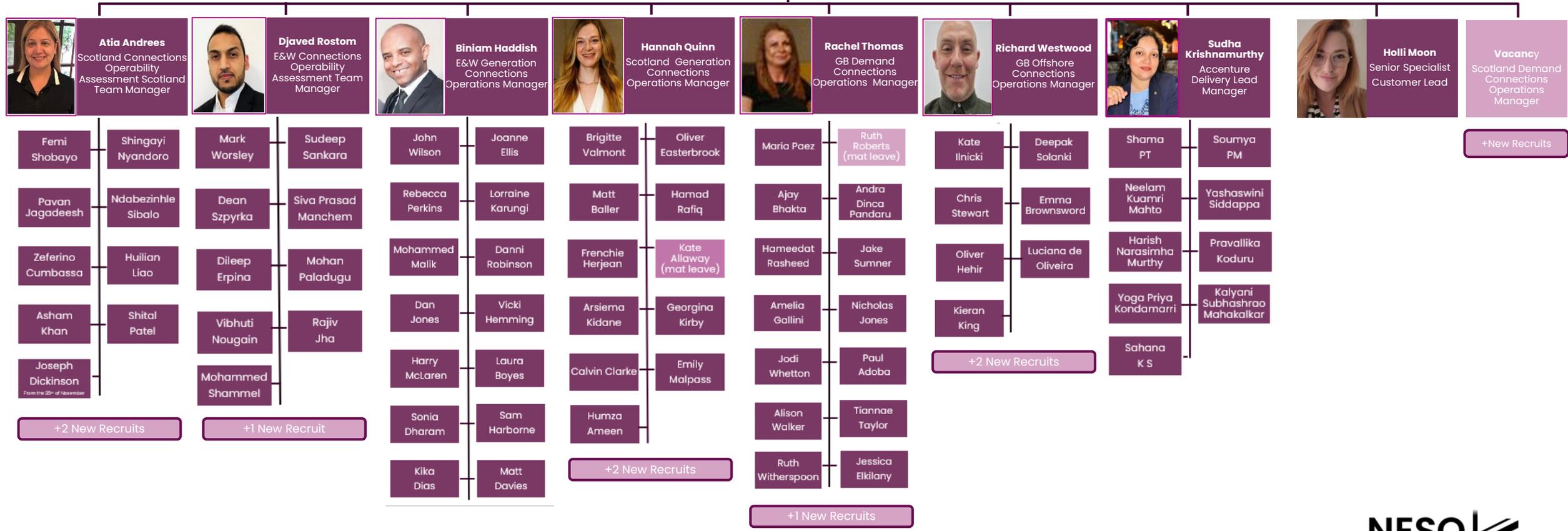


**James Norman**  
Head Of Connections Strategy

# Connections Operations Leadership Team



**Nicola Bruce**  
Head Of  
Connections  
Operations



## Connections Operations

We guide customers on their journey to connect to the energy system, simplifying the process to ensure a smooth and effortless experience.

We strive to deliver excellence by seeking, listening to, and acting on feedback to drive continuous improvements in our ways of working and building trusted relationships with everyone.

# Q&A

Slido Code  
**#ConnOperations**

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Public

# Break

# 14:30 – 15:00

Public

# NESO, ENA and Networks

## Panel

15:00 – 16:00

# Q&A

Slido Code:  
#NESO\_Networks



**Nicola Bruce**  
NESO Head of Connections Operations



**Robyn Jenkins**  
NESO Head of Connections Change Delivery



**John Twomey**  
National Grid Electricity Transmission  
Director of Customer Connections



**Lynne Bryceland**  
SP Energy Networks  
Head of Transmission Commercial and Policy



**Oliver Driscoll**  
SSEN-T Head of Customer Experience



**David Boyer**  
ENA Director, Electricity Systems

Public

# Closing remarks

## 16:00 – 16:30

**Thank you for  
attending**