# North West focus RIIO-T3 Webinar

nationalgrid

# Thank you for joining

## Housekeeping

- Please note that this session will be recorded.
- Please add your questions via Q&A function for our dedicated session at the end of the talk – 30 minutes Q&A.
- Questions and Answers supported by Environmental, Connections, Responsible Business and Whole System Planning leads.
- Alternative for raising questions pathwaytonz@nationalgrid.com

## Agenda

| | |
|---|---|
| Introduction | 5 mins |
| Forming Future Network Blueprints | 10 mins |
| North West Future Network Blueprint | 10 mins |
| Next Steps | 5 mins |
| Environment Commitments | 5 mins |
| Update from Electricity North West and SP Energy Networks | 10 mins |
| Update from NESO | 15 mins |
| Questions and Answers | 30 mins |

# Introduction


**Kate Grant**

Director of Asset Operations

National Grid Electricity Transmission

We own and operate the transmission network that is the backbone of electricity system in England and Wales

The objective of today's webinar is to set out the North West view of the future network outlined in our business plan for 2026-2031.

Our £35bn business plan was submitted in December 2024 and is being assessed by Ofgem.

Our plan will nearly double the amount of power we can transfer across England and Wales and more than double the rate of connecting our customers.

We want stakeholders to be involved in the 'call for evidence' that Ofgem has opened as part of the RIIO-T3 price control process and to feel well-informed on what is included in our plan and why.

# Context on our regional plans

*This regional view considers electrical factors such as power transfers and access for planned outages and, where possible, aligned to the distribution network operator and local authority boundaries.*

*This webinar is not about the detailed project development, precise location, or technology options under consideration for individual network upgrades. That comes through individual project consultations, in line with Planning Act requirements.*

*Please contact us for project details at Communityrelations@nationalgrid.com*

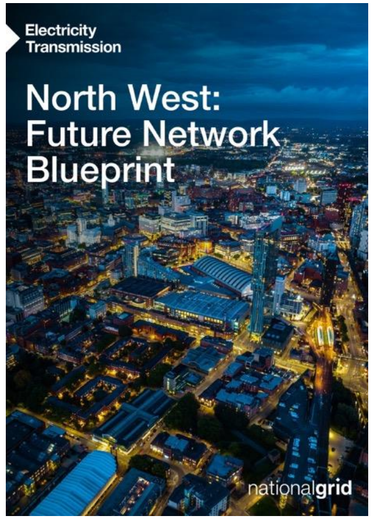
This webinar is part of our ongoing engagement. For the past couple of years we *held regionally focused workshops, bringing together local organisations, like local authority representatives, businesses, other network companies and the National Electricity System Operator (NESO), to gather perspectives and co-create our network plans.*

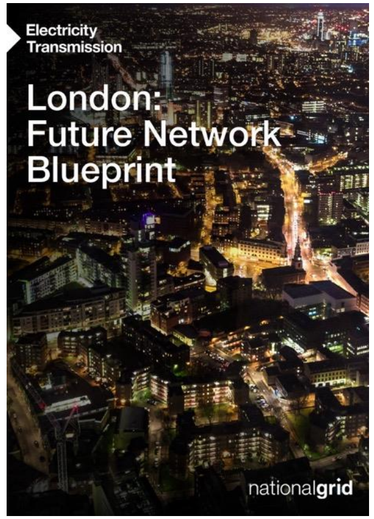
# Forming the Future Network Blueprints

**Jay Tailor**
Regional Strategy Manager

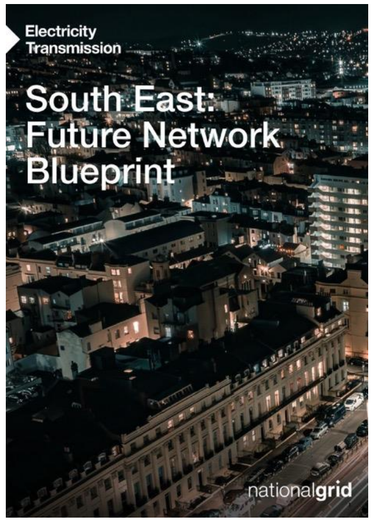
National Grid Electricity Transmission

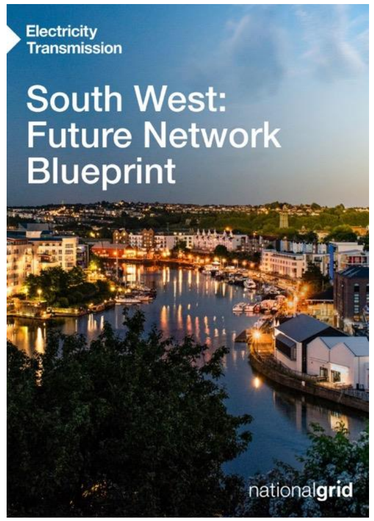
# Future Network Blueprints








## What are they?

A single and coordinated ‘best view’ of the work needed across different regions of our network across England and Wales to enable the overall transition to net zero.

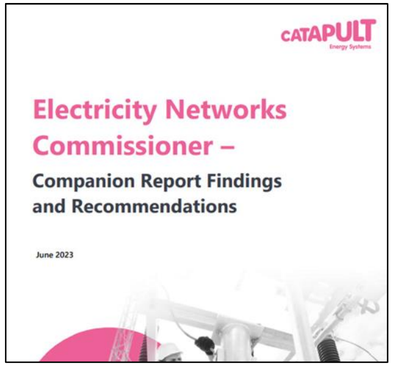
## What do they do?

They help us to make coordinated decisions about where, when and how to upgrade the grid.

This forward- thinking, holistic planning approach allows all parties to enhance efficiency through collaboration and coordination – with an aim to do it once, do it right.

# The energy landscape






National Grid Electricity Transmission and other network companies

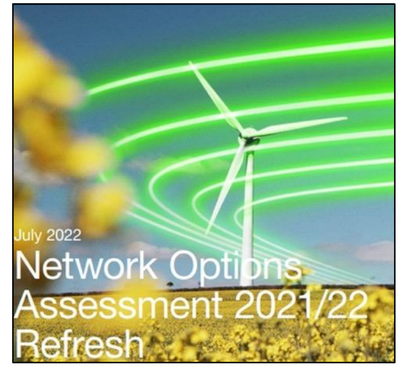
Ofgem

Mission Control

**Customers**
**Consumers**
**Communities**

National Energy System Operator

Department for Energy Security & Net Zero


# Our overarching nationwide Stakeholder engagement approach

Since 2022 we have listened to and worked with those who are impacted by the design, timing, cost and delivery of the network upgrade…

**Listening**

Understanding the needs, priorities and perspectives of a broad spectrum of involved and impacted stakeholders, including household and business consumers

**Optioneering and testing**

Testing and challenging the emerging strategies during formation, including any trade-offs or optioneering required

**Sharing**

Sharing the next iteration of the strategies and how they have built on the stakeholder input to that point - with colleagues and the broader stakeholder network

**Refining**

Continuing to Refine and Share, maintaining the Future Network Blueprints and keeping them relevant through enhanced ongoing engagement

…And this approach continues beyond our December RIIO-T3 Business Plan submission to Ofgem, as we refine its details throughout delivery.

**12,000**
voices

**We listened to over 12,000 voices** representing all stakeholder groups

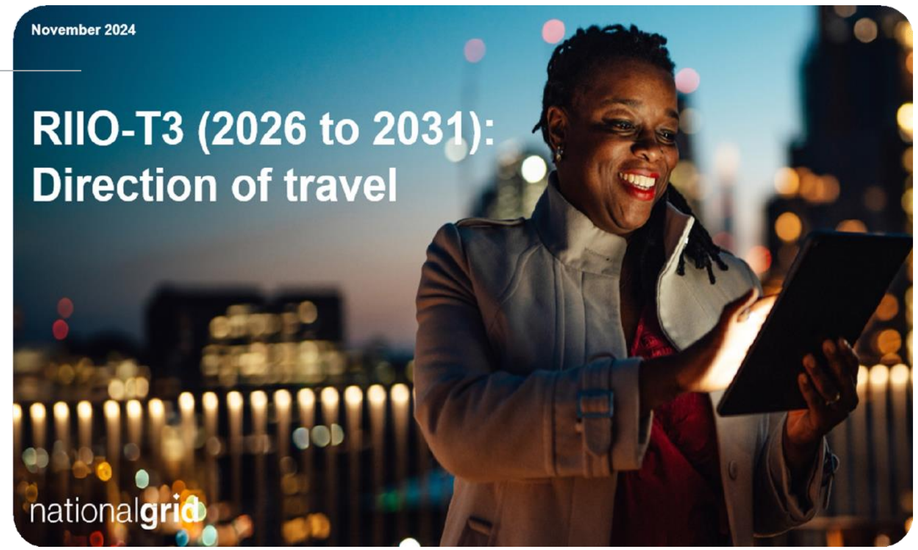
**23,000**
residents

**We consulted with over 23,000 residents** in communities already impacted

**35**
workshops

**We held 35 region focussed workshops** with our industry partners and peers

We hosted a playback webinar on our T3 plan in November



# What we learnt – forming our network planning approach

With an ever-evolving energy landscape, we needed a more comprehensive approach to our network planning

**During our listening phase we got to understand the detail…**

By thinking differently, and working closely with stakeholders, we can help transform the electricity network to meet everyone's future energy needs.

- We need to work more closely than ever with all our stakeholder groups
- Local network needs differ, requiring a more focused approach
- Visibility of our investment planning is critical
- We need to coordinate and collaborate on our plans
- We need to be flexible to changes and not wait for 100% certainty

# The process

Based on insights from our overarching stakeholder engagement programme we set three overarching ambitions which shape our plan

**Ambition A**
**Deliver the grid of tomorrow, today**

Deliver with urgency the Transmission Network needed for Great Britain's future growth and decarbonisation

**Ambition B**
**Do the right thing for consumers, communities and the environment**

How we deliver is as important as what we deliver

**Ambition C**
**Transform the way we work**

Transform our capabilities to deliver for consumers

We have developed a comprehensive framework to test and validate both national and local investments against our new ambitions.

This encompasses **whole system planning;** focused on an integrated and collaborative approach.

**Step 1**
Information gathering

- Regional context
- Current network view
- Design the right network

**Step 2**
Insights and analysis

- Stakeholder engagement
- Connections
- Safe and reliable network
- Strategic infrastructure

**We now go on to unpack Step 2**

**Step 3**
Develop strategic options

- 2050 backwards
- Network design principles
- Network compliance

# North West Future Network Blueprint

# North West | Stakeholder Engagement

**Step 2**
Insights and analysis

**Distribution networks**

electricity north west
Bringing energy to your door

SP Energy Networks


**We are working with local distribution networks (DNOs) to understand the impacts and requirements in that region and develop 'whole-system' solutions.**

**27**

**Indicates the number of whole system opportunities we have already identified in the North West**

**What does the term 'whole systems thinking' mean to you?**

Pathway to Net Zero workshops, poll base: 72



## What did stakeholders in the North West initially tell us?

**'I think it's a real disincentive for businesses to look at alternatives.** They're looking at alternative sources but they're up against connection issues all the time.' (LEP)

**'What's important is the pacing** in order to remain reliable and affordable to consumers and the UK more generally.' (Local Authority)

**'The challenge is to achieve the transformation towards net zero in a sustainable way.'** (Local Authority)

**77%**

**Connections timescales have impacted my organisation's plans**

(Pathway to Net Zero workshops, poll base: 52

# North West | Safe and Reliable Network

**Step 2**
Insights and analysis

A reliable network is a top priority for everyone.

## Commitment
Maintaining a safe, reliable and resilient system through a period of growth and changing asset base.

## Challenge
If we looked to do this portfolio of work in isolation, we would not have enough resource, supply chain support or access to the network to complete it.

## Solution
Our approach aligns asset health and new infrastructure plans to optimise best use of our resources.

**Natural hazard resilience**
By the end of 2025, all relevant North West sites will be fully compliant with Energy Networks Association standard 138 on flood protection.

**Physical security resilience**
With increasing generation and demand we are investing in enhanced physical security at sites within the region.

**1**
**High voltage substations identified in region that require enhanced asset health intervention**

**136 km**
**Overhead line in region that requires replacement in the next 10 years**

## Asset health intervention regional metrics

**93**
**Circuit breakers**

**80**
**Voltage management assets**

**433**
**Bay assets**

# North West | Customer Connections

**Step 2**
Insights and analysis

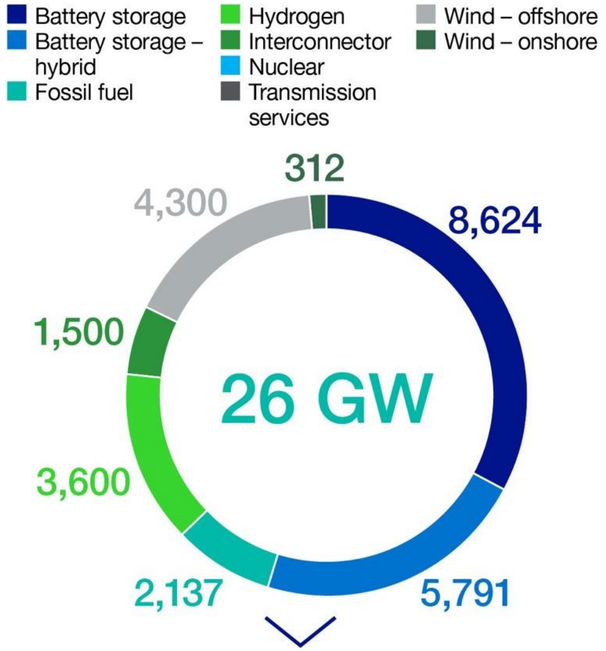
We need to make it easy to connect and use the electricity network

## Commitment
Enable the connection of new generation and demand customers to support Government targets.

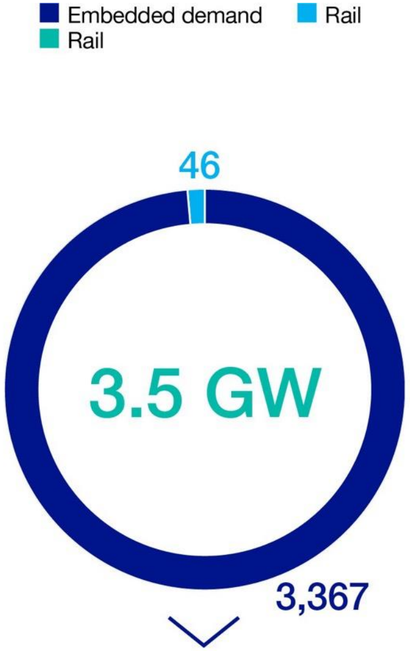
## Challenge
Not all the connections in the queue will connect to the network.

## Potential solutions
We have progressed a number of connections which form a baseline and pipeline plan of work.

Connections Reform will help enable connections to the network by reviewing the current connections queue.




**2.6 GW of generation expected to connect in T3**




**1.6 GVA of capacity to be added in T3**

Customers have contracts for new connections to 2037 that would deliver **26 GW generation** and **3.5 GW of demand connections** in this region.

# North West | Strategic Infrastructure

**Step 2**
Insights and analysis

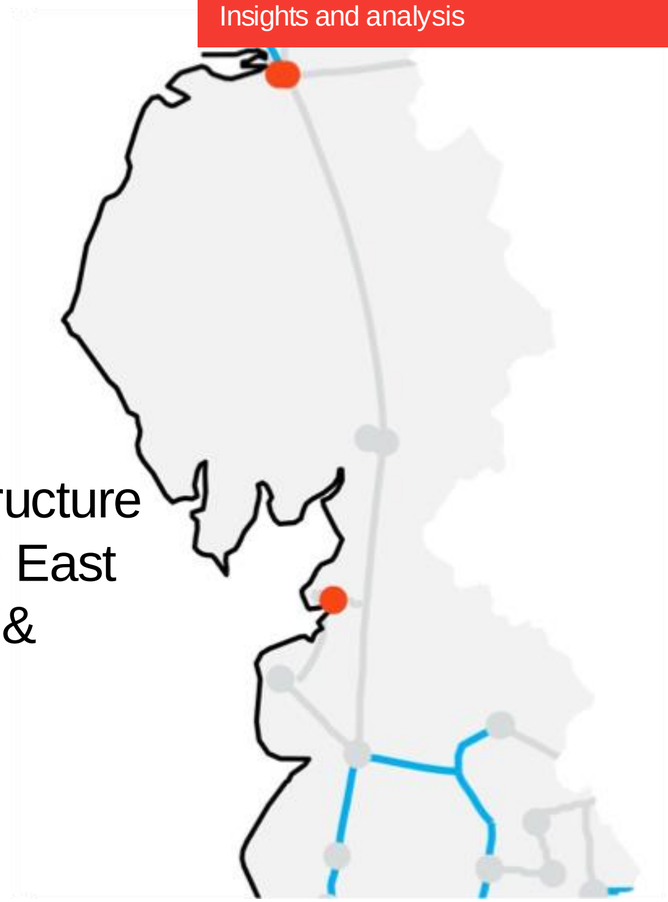
The National Energy System Operator (NESO) is responsible for identifying and timing of new strategic infrastructure on the electricity transmission network by incorporating;

- Energy scenario analysis
- Alignment with government policies on decarbonisation
- Market intelligence
- Stakeholder engagement to predict future energy needs.

The process is evolving to ensure that strategic infrastructure development is proactive, addressing both current and future challenges, and supporting the transition to a sustainable and reliable energy system.

**4**

Strategic Infrastructure projects in North East through RIIO- 3 & beyond.



In the North West, we are building new infrastructure and optimising our existing network through upgrade projects to support increasing power flows in the region.

# North West | Plan Overview

National Grid's electricity transmission strategy in the North West focuses on upgrading and expanding the network to support substantial renewable energy integration and enhance grid resilience.

We are focusing on upgrading and reinforcing electricity infrastructure in Cumbria and Lancashire to enable increasing flows of renewable energy from Scotland and additional capacity at distribution level.

Alongside the Electricity Distribution Networks, we are initiating early development works aimed at enhancing network capacities, for example, in the Merseyside and Cheshire regions to support growth and decarbonisation plans

**£1.3bn**
of investment
to maintain, upgrade and develop our network in T3

**3.5 GW**
demand
contracted to connect*; **1.6 GVA** of additional capacity expected to be installed in T3

**26 GW**
generation
contracted to connect*; **2.6 GW** estimated to connect in T3

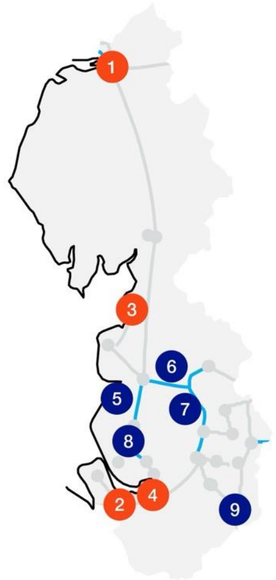
**326 km**
of overhead line
reconductoring planned within T3, equating to 19% of the region

**5**
**substation investments; 5 major interventions in the region**

**4**
**strategic infrastructure projects within the region**

## North West Strategy

Map is illustrative




**Substations**

1. **Harker 400 kV and 132 kV** Rebuild – T3 period
2. **Capenhurst 275 kV** Rebuild – T3 period
3. **Middleton 400 kV** Upgrade – T3 period
4. **Ince 132 kV** Upgrade – T3 period

- Major site strategy
- New substation
- Coastline
- Existing network
- Upgrade existing
- New build
- Developing only*

**Circuits**

5. **Kirkby – Penwortham – Washway Farm 1 and 2** – Reconductor OHL circuit – T3 period
6. **Padiham – Penwortham** – Reconductor OHL circuit – T3 period
7. **Carrington – Daines – Penwortham** – Reconductor OHL circuit – T3 period
8. **Kirkby – Rainhill 1 and 2** – Reconductor OHL circuit – T3 period
9. **Cellarhead-Macclesfield** – Reconductor OHL circuit – T3 period

# Next Steps

# What’s next for the North West Future Network Blueprint?

We want to be transparent about our plans today and into the future. Planning is an ongoing, evolving process and we want to ensure we incorporate the needs and expectations of those impacted by their shape, direction and timing.

- Outcomes from Clean Power 2030 and Connections Process reform – We have designed our plans to be adaptable to changes.

- We continue to work with our network partners Electricity North West and SP Energy Networks and the newly formed National Energy System operator (NESO) RESP team to evolve our ‘Whole System’ planning approach and regional plans.

# Environmental Update for the North West

**Christopher Plester**
Net Gain Technical Lead

National Grid Electricity Transmission

# Delivering a sustainable electricity transmission network

## Our ambition

The changes we are proposing to our Environmental Action Plan in T3 will support the energy transition in a way that achieves **sustainable operations** and **contribute to a nature positive future,** whilst being **respectful of planetary boundaries.**

## How we deliver is as important as what we deliver

| Pillars | Goals | Metrics |
|---|---|---|
| **Net Zero** | **We will achieve net zero by 2050, ensuring alignment to climate science and industry best practice to avoid the worst effects of climate change on people and the planet.** | • **50%** reduction in scopes 1 and 2 emissions from 2018/19 baseline;<br>• **50%** reduction in SF6 emissions by 2030 from a 2018/19 baseline;<br>• **20% substation energy efficiency improvement** from a 2022/23 baseline;<br>• Purchase **100% zero emission vehicles** for our light-duty fleet;<br>• Deliver our **construction projects as low carbon intensity** as possible;<br>• Achieve **net zero emissions** for our corporate property **office estate.** |
| **Nature positive** | **We will contribute to the preservation, restoration and enhancement of the natural environment and contribute to the wider global Nature Positive goal to 'halt and reverse nature loss by 2030'.** | • Deliver at least **10% or greater Biodiversity Net Gain** (or equivalent in Wales) plus wider environmental and societal benefits.<br>• Advance understanding in the development and delivery of effective **marine restoration and enhancement;**<br>• Work with grantors **to deliver nature connectivity.**<br>• Disclose our material **nature-related risks and opportunities.** |
| **One planet living** | **We will operate within the limits of our planet by seeking to eliminate pollution and restrict the use of finite resources, so that humanity can continue to develop and thrive for generations to come.** | • Improve our circular economy maturity levels and aim to be in the **'engaged' level in BS8001** circular economy standard;<br>• Deliver **zero avoidable waste in construction**<br>• Requirements for **10% recycled / reused content** in key construction materials. |

## Delivering in the North-West

**Case study**
Harker substation

Our substation at Harker has been in service since the 1960s. The equipment has aged and the demand on the network is increasing. We are therefore replacing and rebuilding the substation so that it can continue to serve as a critical asset in the UK energy network.

We are committed to minimising and mitigating the environmental impact of this construction project across three key areas, carbon, nature and waste, in support of achieving our EAP commitments.

**Carbon**
Use 90% recycled steel
Use an SF6 alternative which has a global warming potential 90% less than SF6

**Nature**
Looking at exceeding our commitment to deliver a net gain of 10% in environmental value

**Reducing waste**
Re-use 20,000m3 of topsoil and planning to re-use approx. 20,000m3 of site material

# Update from the DNOs

electricity north west

Bringing energy to your door

# North West Distribution Network Reinforcement

## Investment plans co-ordinated with NGET & NESO

Stuart Dearden
Load Related Investment Manager

January 2025

# We expertly operate £13bn of critical infrastructure

## We deliver a reliable essential service for everyone in the North West, 24/7.

- 92% customer satisfaction
- £123 per household per year
- Free extra care register for those in need
- Most digital network operator
- 99.99% reliability
- Leading the North West to net zero

electricity north west
Bringing energy to your door


We're the North West's power network.

Our overhead lines, underground cables and substations bring power to 5 million people in 2.4m homes and businesses.

We invest billions of pounds in the region focusing on key areas of **safety; reliability; customer service** and **net zero.**

Number of customers **2.4m**

Overhead lines **12,519km**

Underground cables **44,872km**

Submarine cables **23m**

Total network length **57,415km**

# Ongoing stakeholder engagement and regulatory process across the whole system

RIIO-T3 (2026-2031)

RIIO-ED2 (2023-2028) | RIIO-ED3 (2028-2033)

ENWL business as usual stakeholder engagement to inform business planning and delivery

## ED2 £2billion investment plan

Developed with input from 18,000 customer and stakeholders

Key projects

- £40M in Cumbria to replace 154km of overhead lines
- £33M in Lancashire increasing capacity at 11 substations
- £32M in Greater Manchester reinforcing the network

2025 Load Related Reopener (additional in period investment)

## Engagement for the RII0-ED3

- programme developed from embedded activities in RIIO-ED2 Business plan specific
- engagement will as develop further in 2025/ 2026 Stakeholder opportunity to
- help shape future business plans and collaboration

# Network reinforcement investments - key drivers of change

The needs of our region are changing following the setting of our current ED2 price control. Our investment plans are evolving, the key drivers behind this are set out below.

### Access SCR

- Shaped by direct customer and business activity

### Transmission Capacity

- Shaped by detailed technical and commercial engagement with NESO and NGET

### Stakeholder needs

- Shaped by our LA, CA and business engagement, informing our DFES

### Decarbonisation of transport

- Shaped by Project Rapid, motorway service operators and local transport plans

Investment plan assessed for bill impact, acceptability testing complete and found acceptable.
Lost societal benefits due to delaying the investment have been explored alongside regional economic growth assessments

# North West Distribution ED2 Network Reinforcement Investments most closely coordinated with NGET & NESO

These initiatives, co-ordinated with NGET /NESO are critical investments needed now to meet the current and future demands our regions' customers.

They deliver wider benefits, such as enhancing grid flexibility and support the transition to a low-carbon energy, contributing to national decarbonisation targets.

Schemes developed over several years following detailed technical and commercial engagement with NESO and NGET.

Re-opener includes major upgrades at Harker GSP and a new GSP Heysham/Middleton .

The Harker works are aligned with our need to reinforce our 132kV circuits that form the 'Cumbria Ring'

Reinforcement of Harker GSP triggered by accepted generation connections in Cumbria. To facilitate these connections requires the upgrades at Harker and reinforcement of the 132kV circuits that make up our 'Cumbria Ring'.

The Harker upgrades will largely be completed in ED2 alongside Phase 1 of the circuits 'Cumbria Ring'. Releasing ~500MVA of capacity.

Phase 2 of 'Cumbria Ring' will continue through ED3 and when complete will release a further ~900MVA of capacity

Accepted generation connections around Heysham, close to Lancaster, have tiggered the requirement for a new GSP at the Middleton site close by.

Upon completion in ED3, the new SGT's will provide 480MVA of additional capacity, enabling the connection of contracted and future generation.

# Thank you for listening

LinkedIn

Facebook

Instagram

If you have any questions or suggestions about our engagement, please contact us. We're always here to help!

Stakeholder engagement
www.enwl.co.uk/stakeholder-engagement

E-Mail
StakeholderEngagement@enwl.co.uk

ENWL Events

Address
Borron Street Portwood
Stockport, SK1 2JD

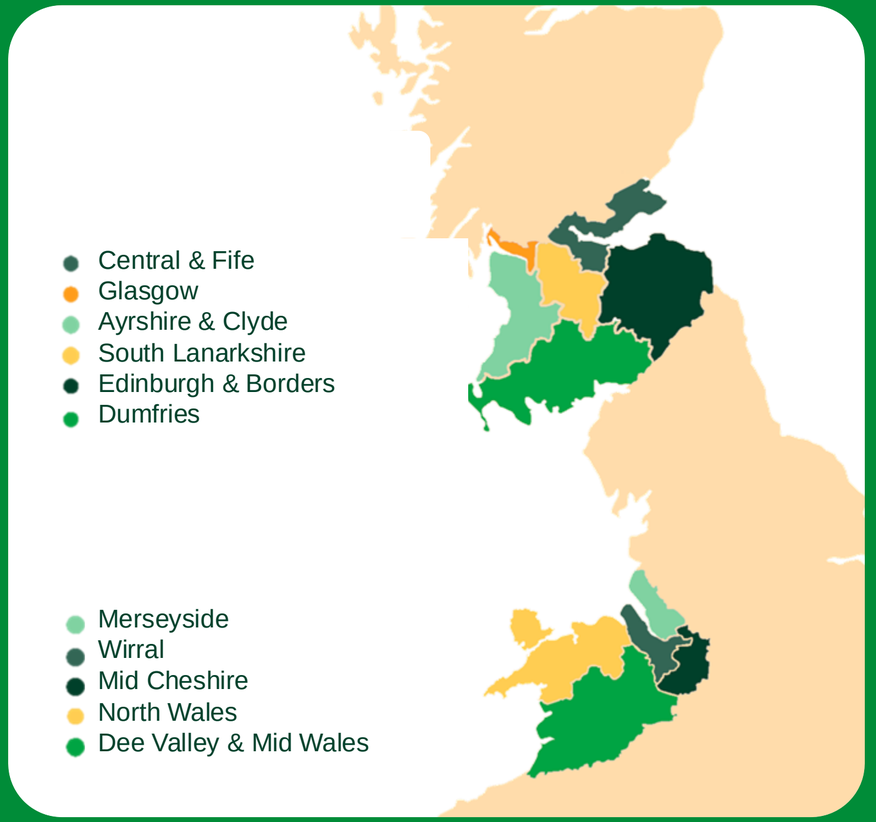
# Planning for Net Zero

Rachel Shorney
Strategic Optimisation Manager
SP Energy Networks

Engagement with UK, Scottish and Welsh Government
12 Regional & City Growth Deals

NGET North West Region:

- Liverpool City Region Combined Authority
- Enterprise Cheshire & Warrington

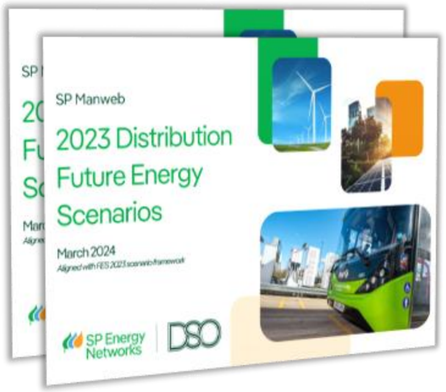


# Network Planning for T3 and ED3

*Providing the network capacity our customers need safely, efficiently, and on time.*

**Forecasting**

Distribution Future Energy Scenarios (DFES)

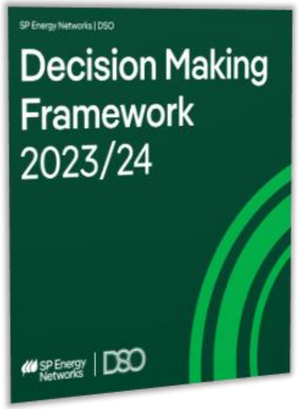



**Network Assessment**

Network Scenario Headroom Report (NSHR)


**Options Assessment**

Decision Making Framework (DMF)




**Flexibility Tendering**

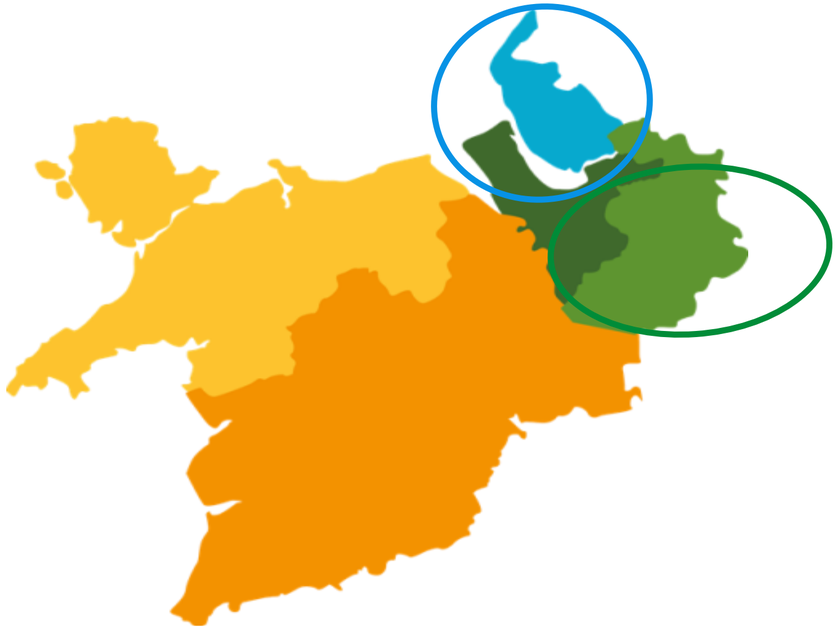
Piclo Flexibility Tendering Platform


**Intervention Decision**

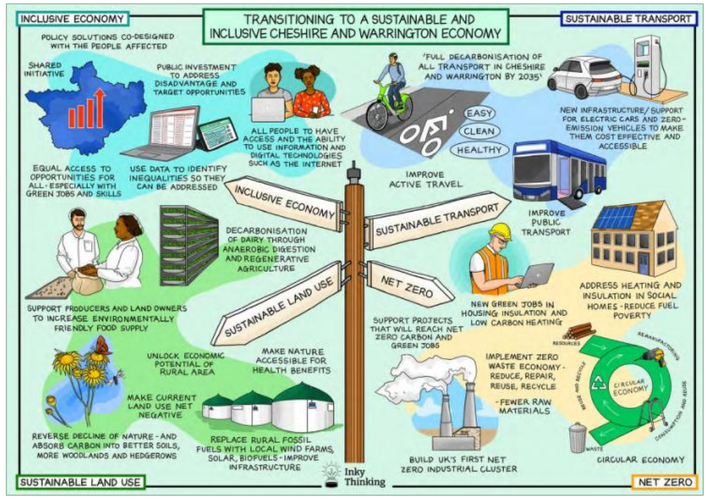
Network Development Plan (NDP)

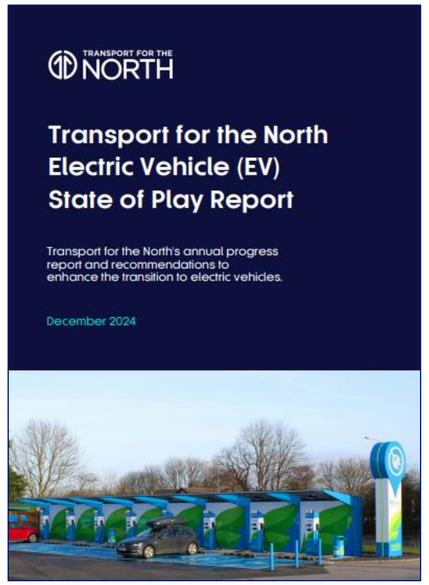

*Network planning data shared on SPEN Open Data Portal.*

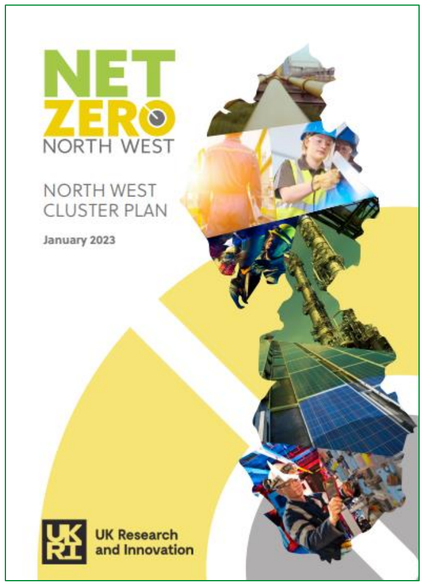
# SP Manweb licence area – Strategic Relationships & Engagement in England



- Liverpool City Region Combined Authority
  - Halton, Knowsley, Liverpool, Sefton, St Helens and Wirral Councils
- Enterprise Cheshire & Warrington
  - Cheshire West & Chester, Cheshire East and Warrington Borough Council
- Transport for the North
- Net Zero North West Industrial Cluster
- North West Net Zero Hub
- Mersey Dee Alliance

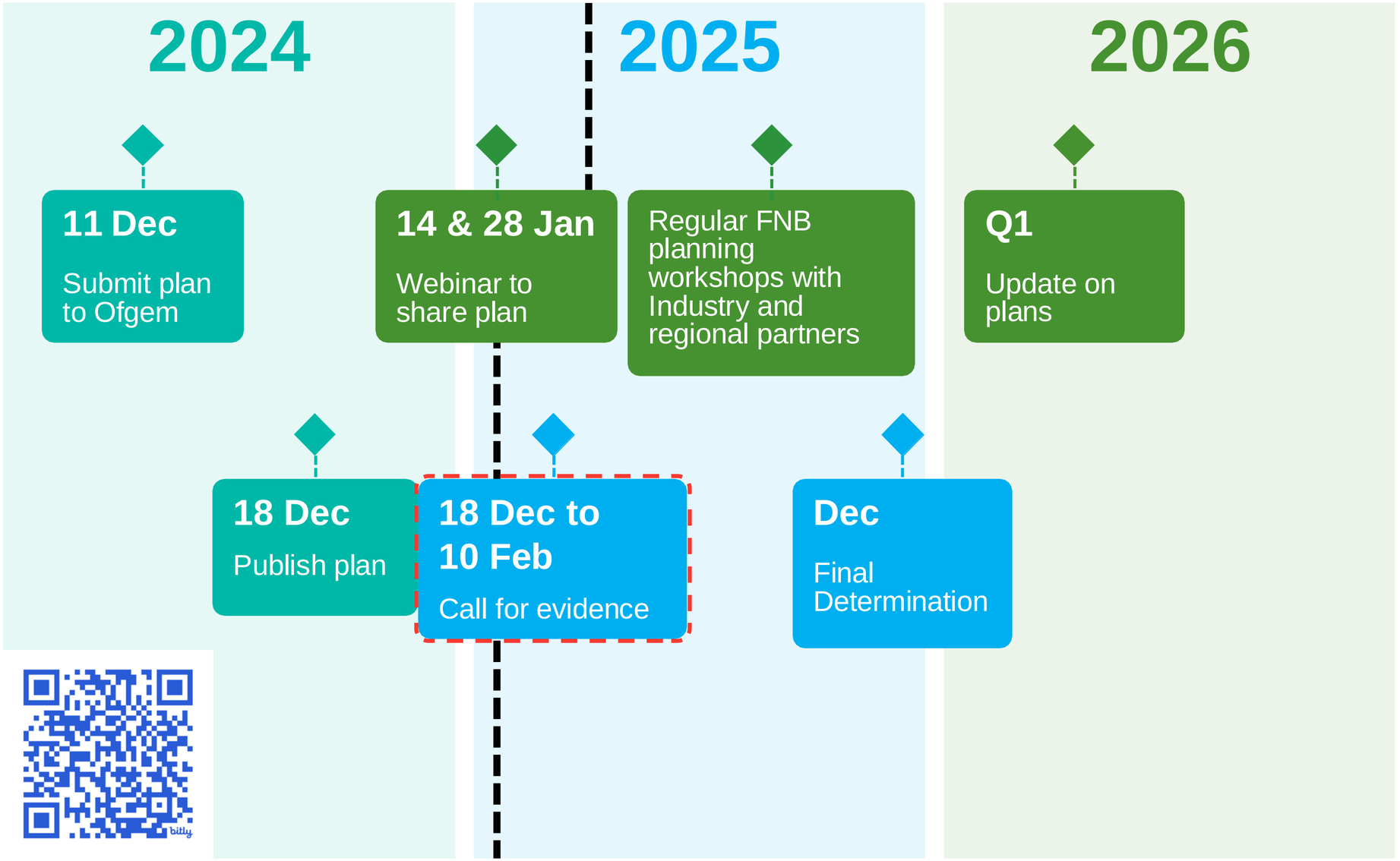



# Timeline

# Planning next steps for the North West




Ofgem's Call for Evidence 18 December to 10 February

All responses welcomed

Your response will help to inform Ofgem's Final Determinations.

Please send your response to RIIO3@ofgem.gov.uk

More information at Ofgem Call for Evidence RIIO-3

# Introduction to the NESO

Public

# NESO update on Strategic Energy Planning (SEP)

January 2025

**Chris McBride - Stakeholder Engagement Manager**
Regional Energy Strategic Planning
National Energy System Operator

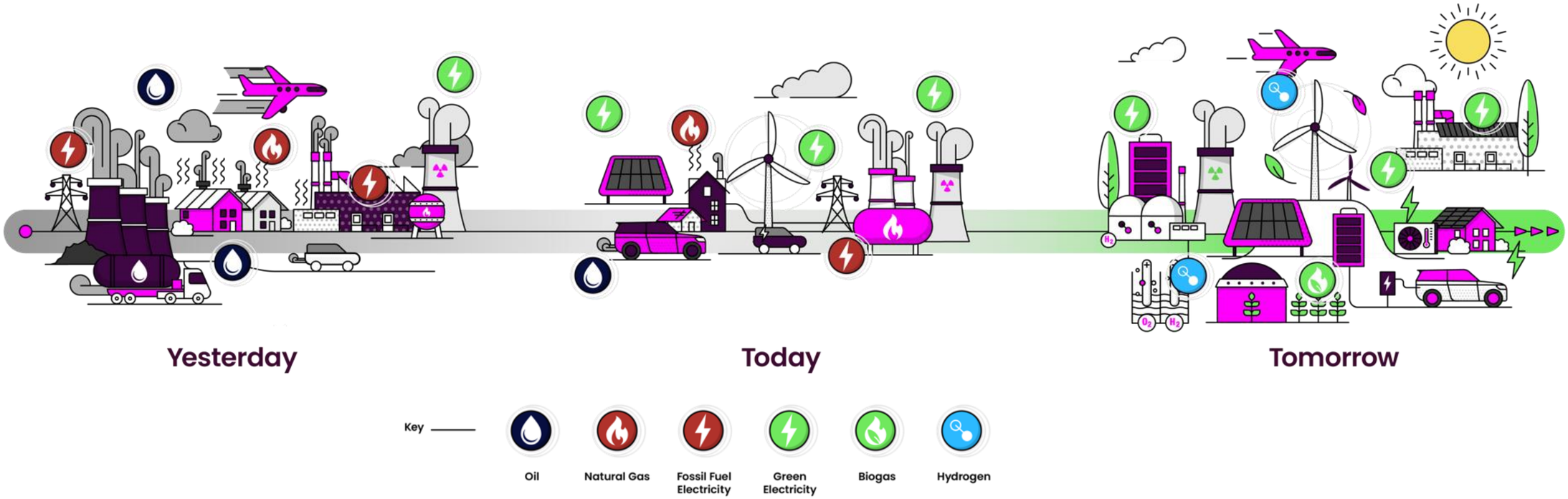
NESO
National Energy System Operator

# Overview

1. National Energy System Operator overview
2. Strategic energy planning (SEP) overview
3. Next steps (milestones)

# A changing energy landscape

- The energy system is critical to almost all aspects of our daily lives and fundamental to decarbonising the economy.
- The way we use, store and source energy is significantly changing and we have an opportunity in this period of change to shape an energy system that fosters economic growth and prosperity for Great Britain, creating jobs and building skills.
- This valuable opportunity will help protect the environment for current and future generations and ensure energy is affordable for everyone.




**We must work collectively at a local, regional and national scale to realise the benefits of the energy transition for Great Britain, and the people who live here.**

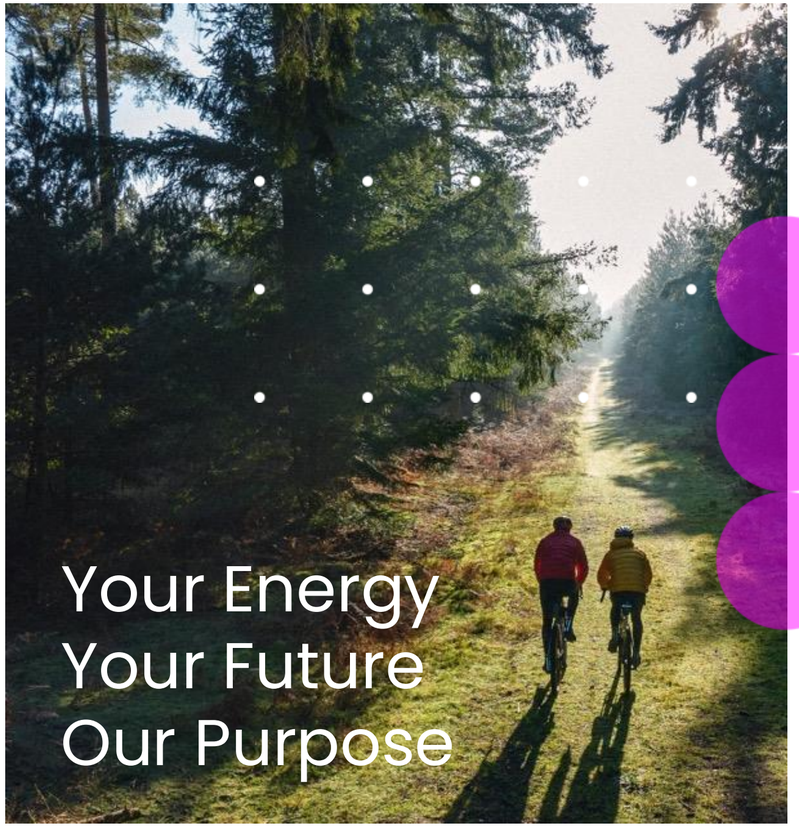
NESO
National Energy System Operator

# 1. National Energy System Operator overview

## Who we are:

The National Energy System Operator, NESO, is an independent, public corporation at the centre of the energy system taking a whole system view to create a world where everyone has access to reliable, clean and affordable energy.

Our work will be the catalyst for change across the global community, forging the path to a sustainable future for everyone.

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National Energy System Operator

# Our Purpose, Vision And Values

Our purpose is to forge the path to a sustainable future for everyone.

Our vision is a future where everyone has access to reliable, clean and affordable energy; our work will be a catalyst for change across the global community.

**Our values are what define us, setting the foundation for our purpose and guiding us as we move towards achieving our vision.**

Accelerate Progress
We deliver better outcomes at pace when we take accountability, are courageous and progress the bigger picture.

Be Curious
We achieve more when we demonstrate a growth mindset, being curious, asking questions beyond and within our organisation to develop, learn and innovate.

Build Trust
We build trust when we listen to and understand the needs of our colleagues and customers, are transparent with our actions and deliver on our commitments.



Create Belonging
We perform at our best when we can be our true selves, embrace diversity and are truly inclusive.

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# Our Governance

NESO is operationally independent of government.  We plan the electricity and gas systems and operate the electricity system.

Being independent  means we can give impartial recommendations to the government and the regulator.

## Our shareholder

Department for Energy Security & Net Zero

The Department for Energy Security & Net Zero is responsible for national policy and providing strategic direction and targets in relation to UK energy

## Our regulator

ofgem
Making a positive difference for energy consumers

Ofgem is the energy regulator for Great Britain

## Independent NESO Board

The NESO Board oversees our strategic direction, ensuring compliance with regulations and mitigation of corporate risks.

The Board ensures that we build strong relationships with customers and it evaluates performance.

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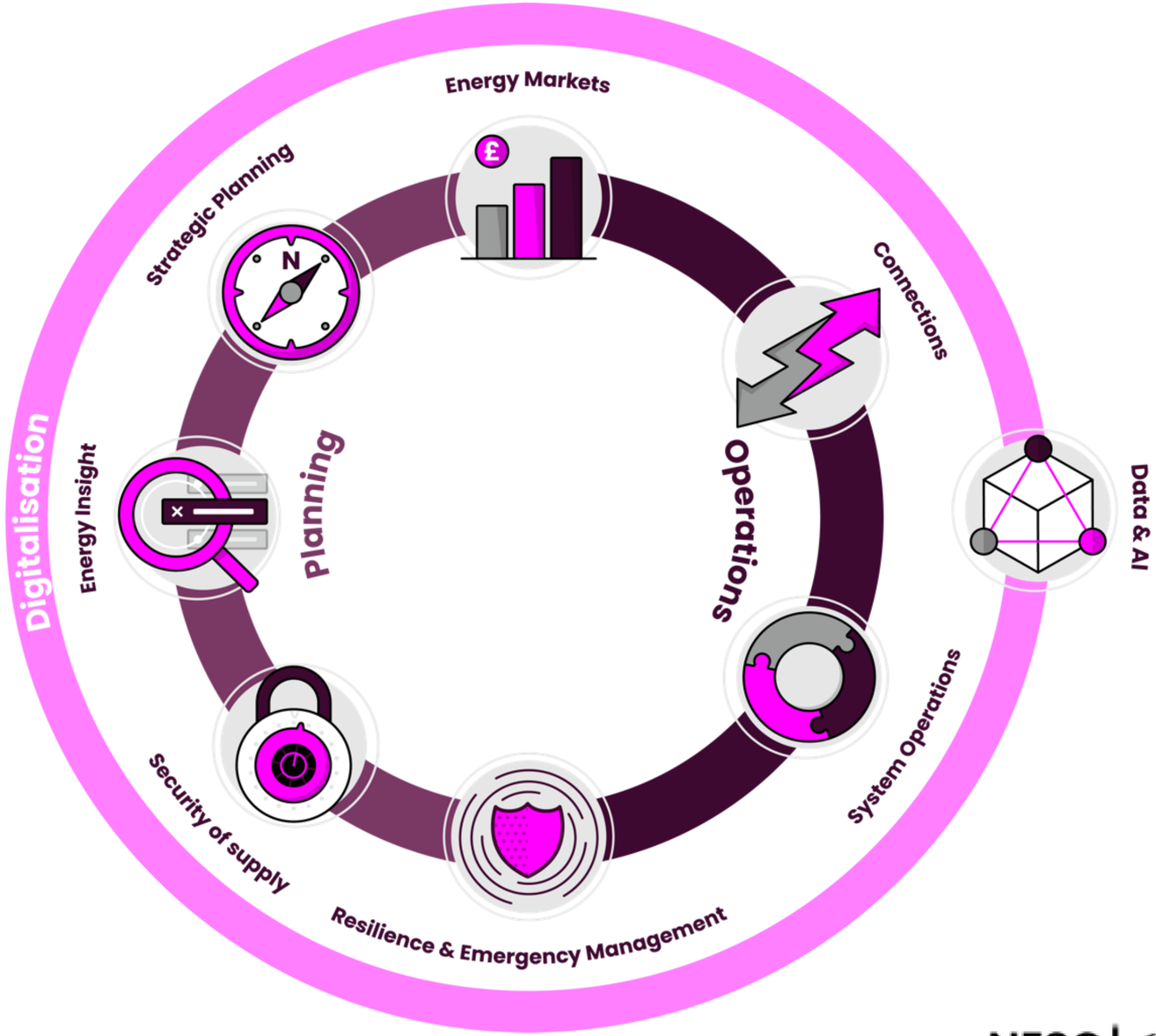
# What we do:

We bring together eight activities required to deliver the plans, markets and operations of the energy system of today and the future.

Bringing these activities together in one organisation encourages holistic thinking on the most cost-efficient and sustainable solutions to the needs of our customers.

https://www.neso.energy/what-we-do

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# 2. Strategic Energy Planning (SEP) overview

**Pre 2030** → **Post 2030**

## CP2030

Advise government on which network upgrades, market and policy decisions could accelerate the development of a clean power electricity system by 2030.

UK Government response to CP30 advice to be published by end of 2024

Adopted Clean Power 2030 advice by Government feeds into the background assumptions underpinning all three Strategic Plans.

**Supply and demand projections from Future Energy Scenarios (FES)**

**DESNZ data inputs and assumptions**

## SSEP

Spatially maps out the energy assets necessary to meet 2050. Focus on optimisation of cost, environment, community impact.

**Key stakeholder inputs**

**Environmental, societal and technical perspectives**

**Long term feedback loop**

## CSNP

Whole system plan for the development and assessment of high-level investment options for transmission networks.

## RESP

Focus on developing whole system, cross-vector regional plans with input from local actors.

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# Strategic Spatial Energy Plan (SSEP) overview

## Accelerate clean, affordable, secure energy through certainty

The SSEP will accelerate and optimise Great Britain's transition to clean, affordable and secure energy by taking a holistic approach and providing greater certainty for key stakeholders.

## Zonal approach, taking account of environment and communities

Splitting Great Britain's energy system into zones to assess the optimal locations for electricity generation and storage of electricity and hydrogen.

Options identified using economic, environmental and technical input, with considerable societal, stakeholder and political engagement planned.

SSEP will not focus on specific projects, leaving the energy market or subsequent processes to determine the specific projects and exact locations.

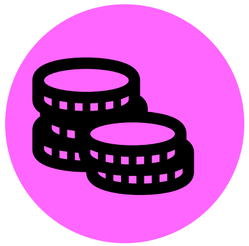
# CSNP framework

## Our vision

Provide an **independent, coordinated, and longer-term approach to wider network planning** in GB to help meet the government's net zero ambitions

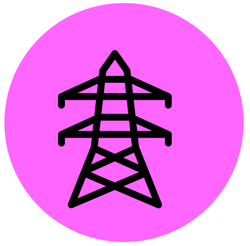
Provides a network blueprint for the country, mapping demand and optimal locations for onshore and offshore transmission infrastructure to support a decarbonised energy grid.

25-year horizon, on a three-year cycle



Co-ordinate reinforcements and anticipate investments ahead of infrastructure delivery

Balance development against environment/ community impacts to maximise benefits



Understand transmission infrastructure needed for onshore/offshore electricity transmission and interconnectors

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# Regional Energy Strategic Plans (RESP)

## Why?

To achieve local and national net zero targets we need:

1. **To accelerate electricity network investment** – enable heat & transport decarbonisation
2. **Consistency** – same approach for all network companies
3. **Whole system** – joined-up plan for all aspects of energy system

## Where? (proposed)

*Map A1 – Ofgem's preferred GB RESP settlement*


## Who? (proposed)

**Ofgem** – defining role

**NESO** – delivering role

**Strategic Boards & Working Groups**

**Local authorities:**
England: CAs, CCs, unitaries
Scotland & Wales: unitaries

**Networks:** DNOs & GDNs

**Other local actors:** relevant to energy system & spatial planning

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# Draft RESP Outputs

Ofgem have outlined 3 building blocks that the NESO RESP must deliver. So far, we have identified **6 key outputs** that will enable the NESO RESP Team to deliver credible whole energy regional plans. These outputs will be refined and validated when developing the RESP Methodology.

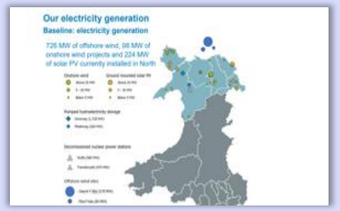
## The Regional Energy Strategic Plans

The RESPs will develop future energy pathways and hotspots where strategic investment need is likely to arise to meet the regional energy visions

### 1

**Regional Energy Vision**

RESP will enable distinct Regional Energy Visions, reflecting local needs, to collectively support national objectives

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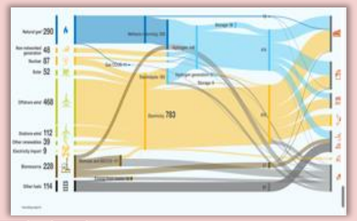
### 2

**Regional Pathways**

RESP will create Regional Pathways built from bottom-up that are coherent with national needs. NESO will also develop consistent planning assumptions



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### 3

**Spatial System Need**

RESP will identify strategic investment needs as well as spatial cross-vector system needs, resulting from the pathways considering network constraints

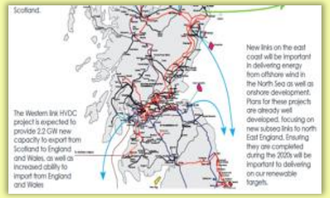
b

## Support for price controls

### 4

**Network plan Technical coordination**

RESP will assure that regional network investment plans are integrated across vectors, built on consistent assumptions and deliver regional needs at pace, within national constraints



c

### 5

**Regional Geospatial Energy Plan**

RESP Team will develop geospatial regional plans that provide transparency and visibility to local communities and national stakeholders. The RESP Team will continue to track and monitor the delivery of the RESPs including Strategic Investments.

b c

### 6

**Societal Impact Assessment**

The RESP Team will review the societal impact at a local level of the energy transition (including jobs, transport, industry, environment etc.)


| Ofgem consultation building blocks | a Modelling supply and demand | b Identifying system need | c Technical coordination |
|---|---|---|---|



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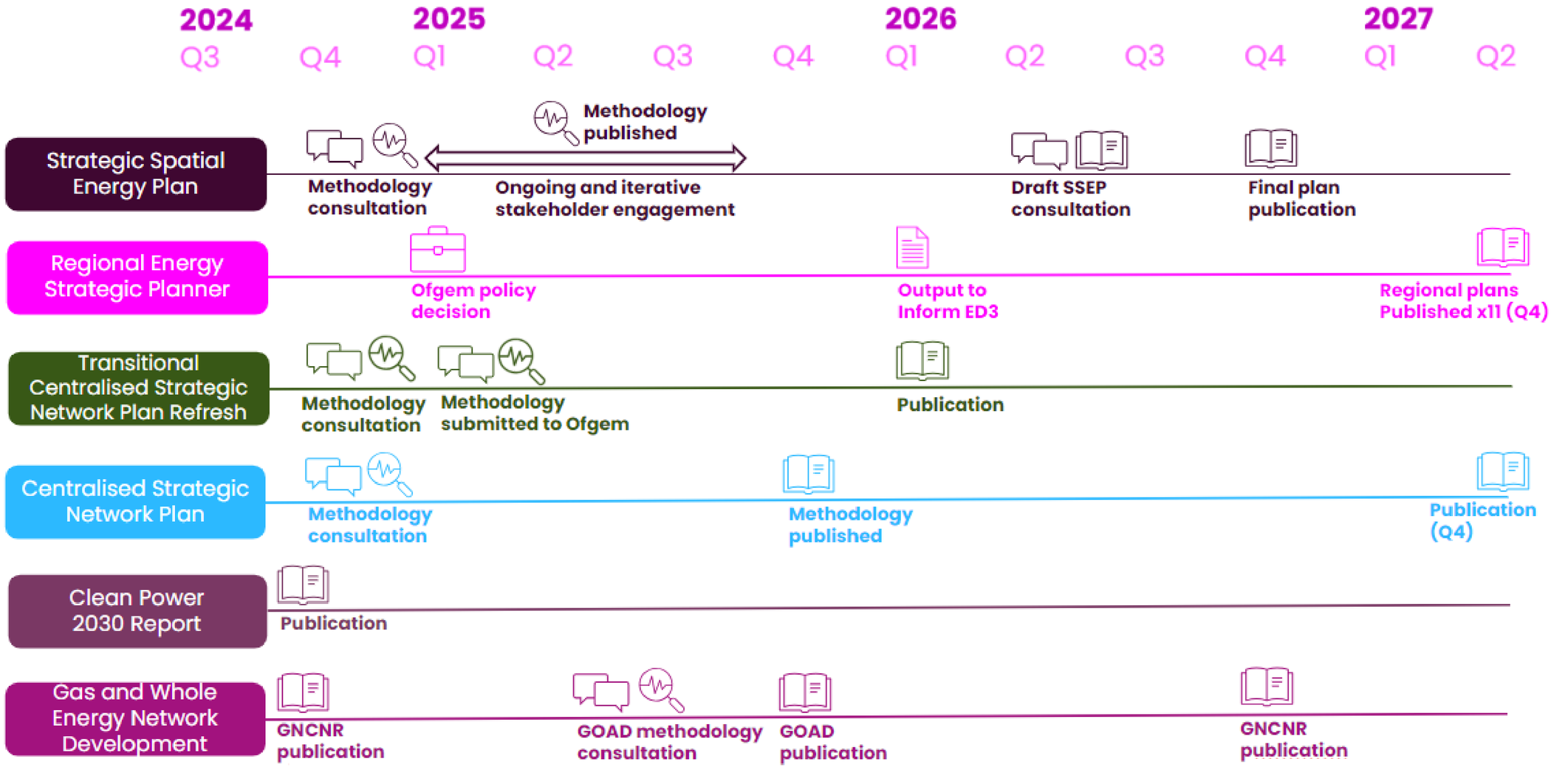
# 3. Next steps - High level milestones*

***These are indicative dates and subject to change.**

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# Thank you

**NESO**
https://www.neso.energy/what-we-do

**Strategic Energy Planning**
https://www.neso.energy/what-we-do/strategic-planning

**Contact**
**christopher.mcbride@nationalenergyso.com**

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# Q&A

# Joining the questions and answers

Anna Turrell
Responsible business
**NGET**

Jeni Ray
Stakeholder Insight
**NGET**

Tariq Ajumal
NW Connections
**NGET**

Stuart Dearden
Load Related
**Electricity North West**

Chris Plester
Environmental
**NGET**

Jayesh Taylor
Regional Strategy
**NGET**

Faye Scullions
External Affairs
**NGET**

Rachel Shorney
Strategic Optimisation
**SP Energy Networks**

We welcome your feedback on what you have heard today, our FNB process and how we can work better together ?

Please get in touch via pathwaytonz@nationalgrid.com

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# Appendix

# Our approach to local engagement

**We consult and work with local residents, their representatives and statutory stakeholders through all stages of the planning and construction process.**

Our approach is underpinned by the 5Cs:

- **Communities** play a vital role and should see the benefits from hosting new infrastructure.
- We undertake the highest standards of **consultation**.
- We identify and **collaborate** with partners to deliver tangible community benefits.
- Our communications **campaigns** will clearly explain the need for a reliable decarbonised grid, and greater energy security for Britain.
- Our **colleagues** are experts in the energy sector, land, planning and the environment.

# How we engage with local communities

## We consult and work with local residents and their representatives through all stages of the planning and construction process.

- Consultation and information events
- Stakeholder briefings
- Public webinars
- Community newsletters
- Dedicated e-mail and phone services
- Project websites

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