

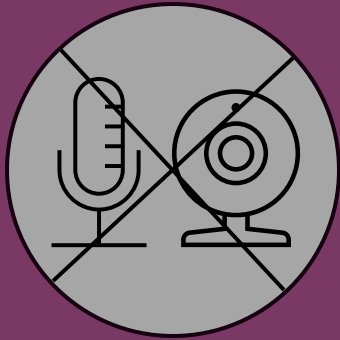
Public

NESO Regional Energy Strategic Planning Forum

March–April 2025

1. Welcome

Housekeeping



Transparency Statement

- Attendee lists will not be shared externally
- All questions, comments and reactions through the Q&A tool will be treated as anonymous unless you choose to share your details
- We will share the slides and a write-up following the Forum. The write-up will cover all 11 RESP Forums



Who is here? Poll Survey

Submit your answers at menti.com

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Agenda

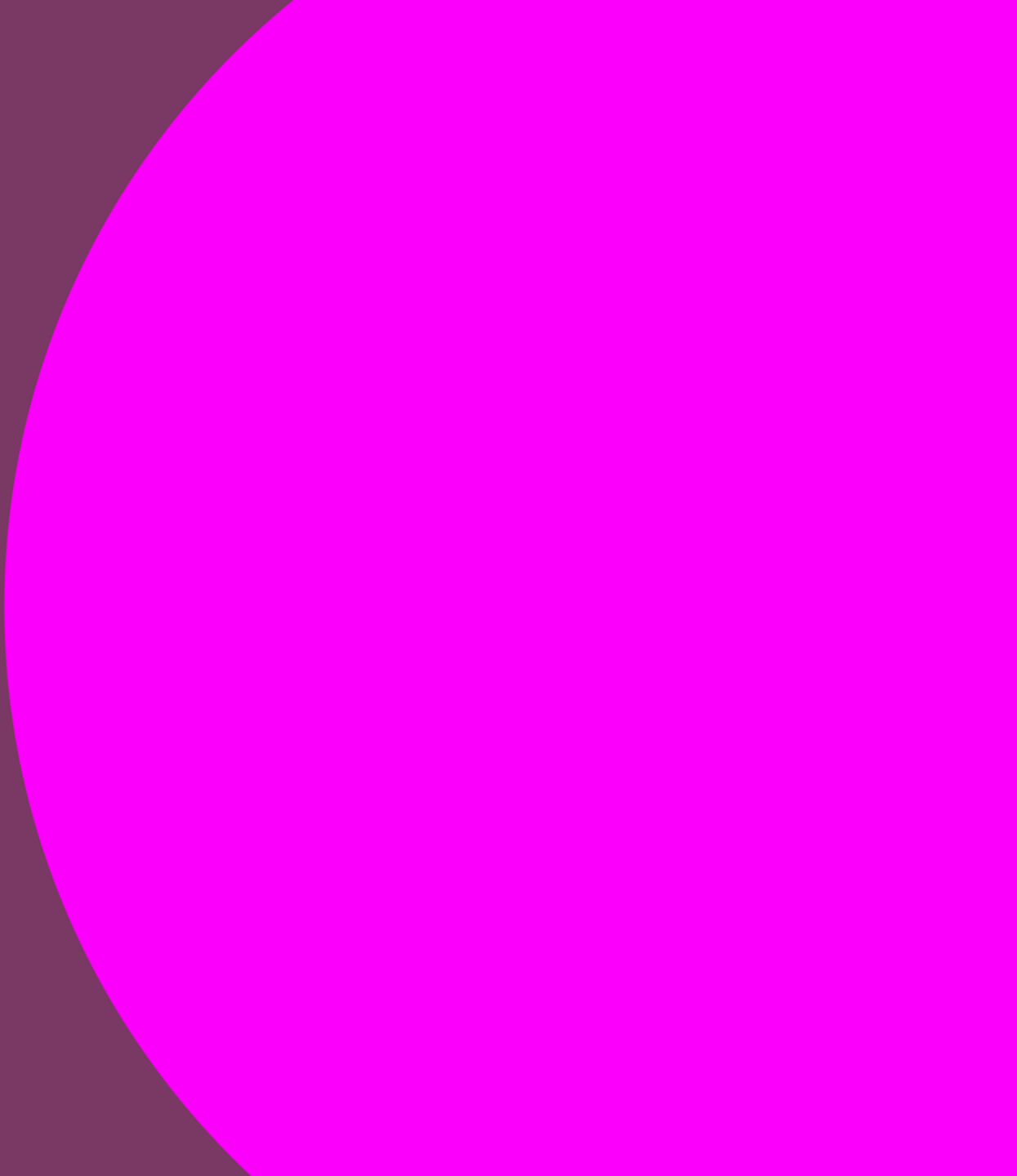
1. Welcome and Introduction
2. Overview of NESO, SEP & RESP
3. tRESP Introduction
4. tRESP Pathways & Strategic Investment
5. Your Views and Feedback
6. Next Steps

Q&A

Submit your questions at menti.com

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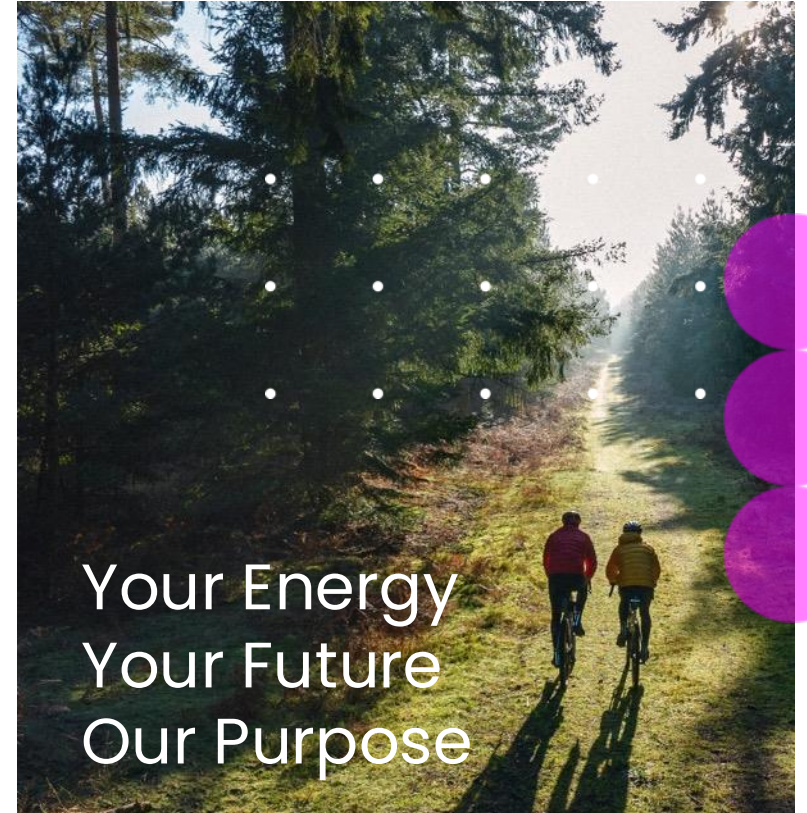
2. Overview of NESO, SEP & RESP

National Energy System Operator overview

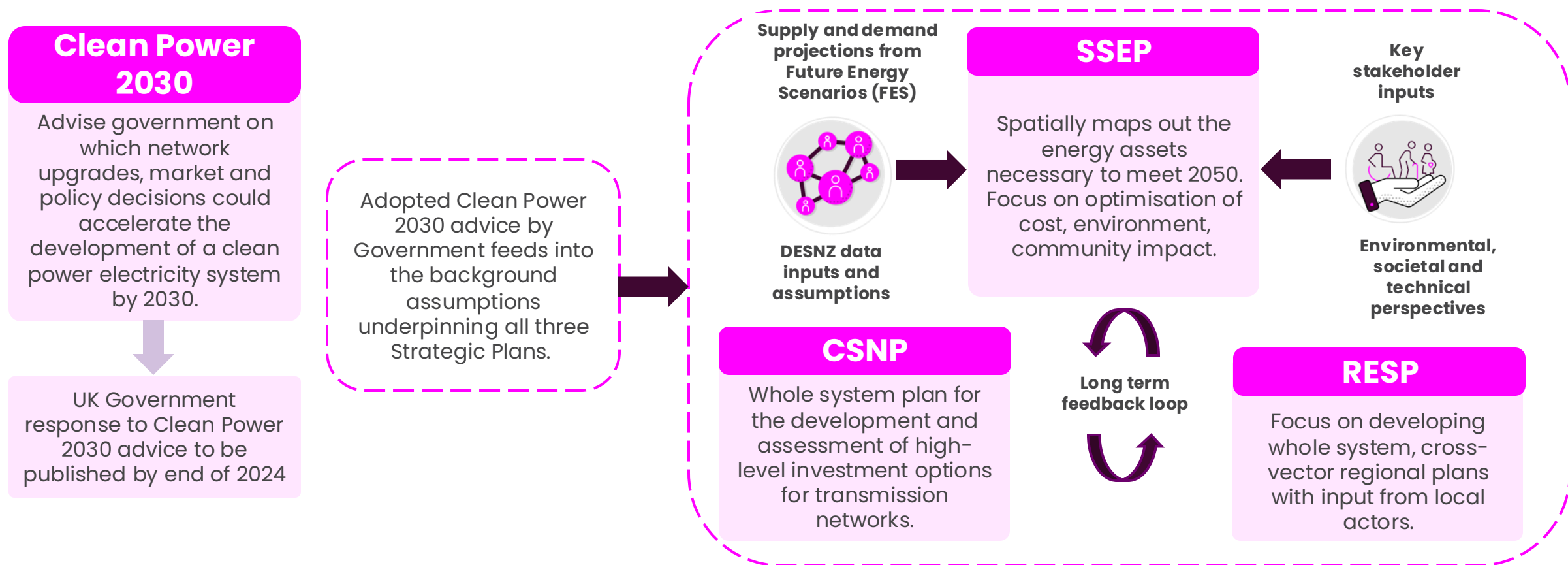
Who we are:

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**.



Strategic Energy Planning (SEP) overview

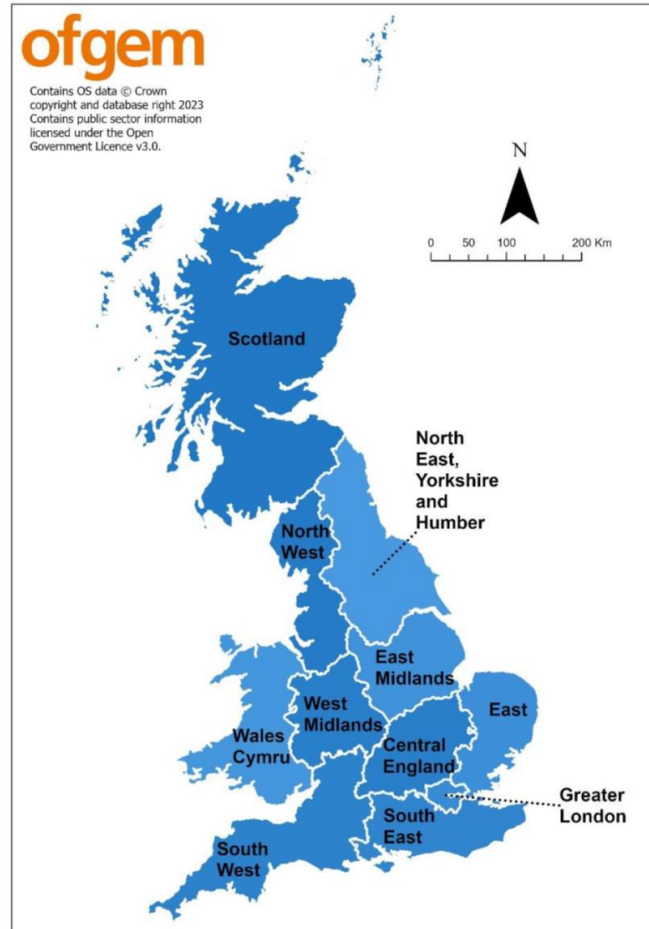
Pre 2030**Post 2030**

Regional Energy Strategic Plans (RESP)

Why?

1. **Place based** – integration of the local and regional context and needs
2. **To drive investment** – ensuring local areas get the energy infrastructure they need, where and when they need it
3. **Consistency** – ensuring plans, data and assumptions are used the same way by all
4. **Whole system** – ensuring distribution networks are planned in a joined-up way to deliver the system that best meets local needs

Where?



Who?

Ofgem – defining role

NESO – delivering role

Strategic Boards:

- **Local authorities:**
 - England: strategic authorities & upper tier
 - Scotland & Wales: unitaries
- **Devolved Governments:** Wales & Scotland
- **Networks:** Distribution Network Operators & Gas Distribution Networks
- **Other local actors:** relevant to energy system & spatial planning

Regional Working Groups:

- Function based
- Theme based

RESP Outputs

1

Regional context

- Comprehensive view of regional conditions & priorities
- Draws on embedded regional engagement and datasets
- **Reflects rather than supersedes local ambitions**

2

Pathways

- Spatial models of future supply and demand
- **Single 10-year pathway; multiple branches to 2050**
- **Granularity sufficient for local and network planning**

3

Spatial context

- Geospatial view of pathways against network conditions
- Accessible view of whole-system data to aid planning
- **To LSOA / Data Zone granularity where possible**

4

Strategic investment need

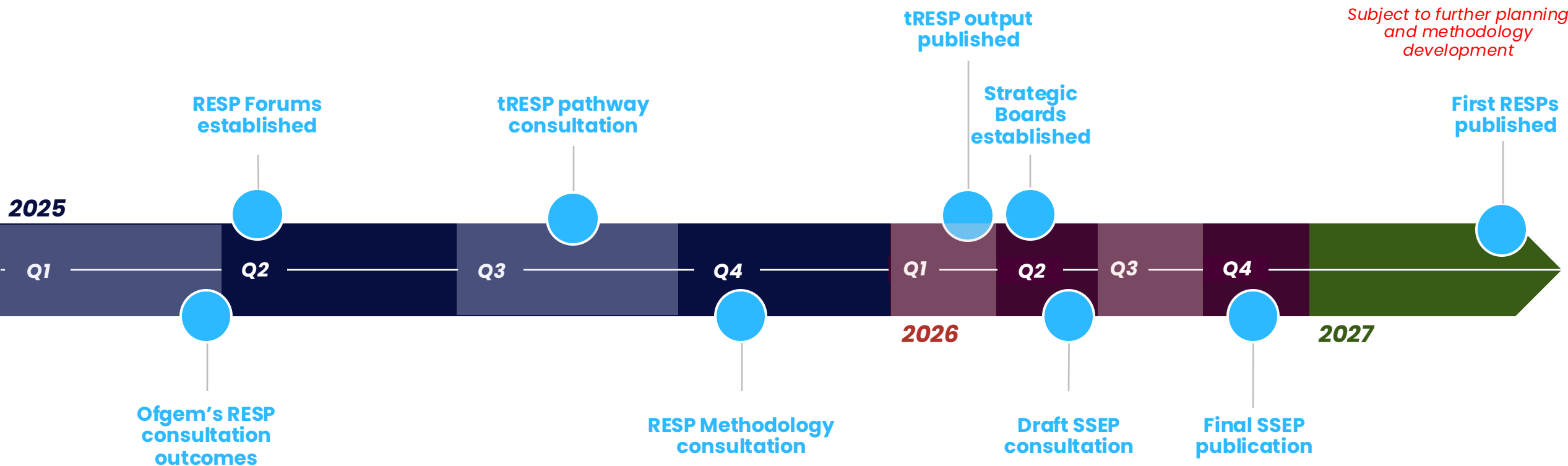
- Identify needs which are of **high economic/ system value and key to regional priorities**
- **Categorise to refine scope** and support common approaches to regulatory treatment
- Specify capacity need and expected vector and network level of solutions

5

Common planning assumptions

- Set of assumptions to drive consistent derivation of network impacts
- **Developed transparently alongside stakeholders through working groups**
- Will include **acceptable ranges of variation to allow for regional differences**

RESP Key Milestones



Q&A

Submit your questions at menti.com

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3. Introduction to the tRESP Project

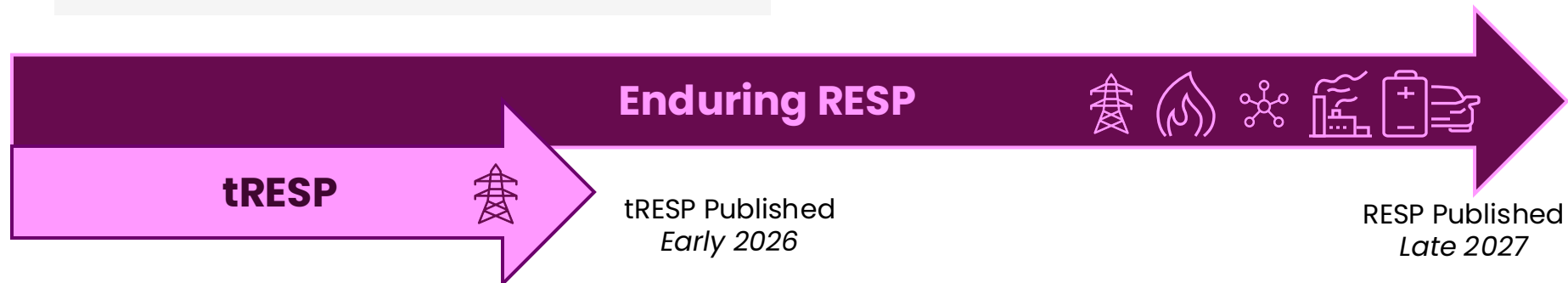
Transitional RESP (tRESP) Overview

What is tRESP?

1. Serves as a **transitional bridge** to Enduring RESP
2. **tRESP will be an input to ED3 and** will drive further clarity for Ofgem and networks on the crucial steps needed on the distribution network.
3. Provides each region with a single **short-term Pathway (2025-2035)**
4. Feeds into multiple **long-term Pathways (2035-2050)**

Why now?

1. **Urgent change:** Energy sector transformation and Clean Power 30 demand immediate action
2. **Unlocking value sooner:** Enduring RESP won't be ready until 2027
3. **DNO business planning dates are fixed** (2028-2033) and require input now
4. **Early stakeholder engagement to integrate regional needs** within energy planning



Regulatory Framework For DNO Business Planning – Electricity Distribution 3



Rules set by Ofgem to ensure electricity DNOs **charge fair prices** while **maintaining and improving** the power network



The business plans are underpinned by **stakeholder needs** within each DNO area



It controls how much DNOs can charge which **impacts what the consumer pays, service quality and energy investments**

Concept of a price control

tRESP Objectives

tRESP Objectives



How tRESP will unlock benefits earlier

To accelerate electricity network investment – enable heat & transport decarbonisation

tRESP's input into DNO business planning will **identify strategic investment opportunities** within regions, providing assurances of DNO business plans to Ofgem by reviewing them and **ensuring alignment with tRESP pathways**

Consistency – same approach for all network companies

tRESP will **collect, model and validate consistent planning assumptions** to ensure a common approach is used by DNOs in their ED3 network planning

Whole system – joined-up plan for all aspects of energy system

Although tRESP is not a DNO business plan deliverable, it will **engage and map the interactions** between different energy vectors to ensure **a whole system approach** is being used

tRESP – How are we engaging

There are 4 functions for engaging stakeholders, each with a specific audience for a specific purpose.



	RESP Forums (Regional)	Technical Working Groups (National)	Bi-Lateral Meetings	Consultation
Purpose	Engage stakeholders in RESP, with initial focus on tRESP then RESP Methodology	Solve detailed technical problems	Engage specific stakeholders 1-on-1 to review topics in detail	Seek input from stakeholders on the proposed tRESP pathways
Frequency	Quarterly	Monthly	As required	Q3 2025
Audience	Open: all stakeholder groups, all levels of technical knowledge, all levels of seniority	Technical Roles	Technical Roles	Open: all stakeholder groups, all levels of technical knowledge, all levels of seniority
Invitation & Promotion	Invitation from Regional Teams, promoted via NESO & third-party channels	Invitation to technical specialists	Invitation to technical specialists	To be confirmed
Output	Stakeholder feedback to inform delivery of tRESP and RESP Methodology	Challenge/review/optionseering of tRESP modelling approaches	Detailed building block data to inform pathways, modelling and strategic investment	Challenge/review of tRESP pathway methodology

Outputs of each engagement will inform the content and nature of future engagements

tRESP Questions – Poll Survey

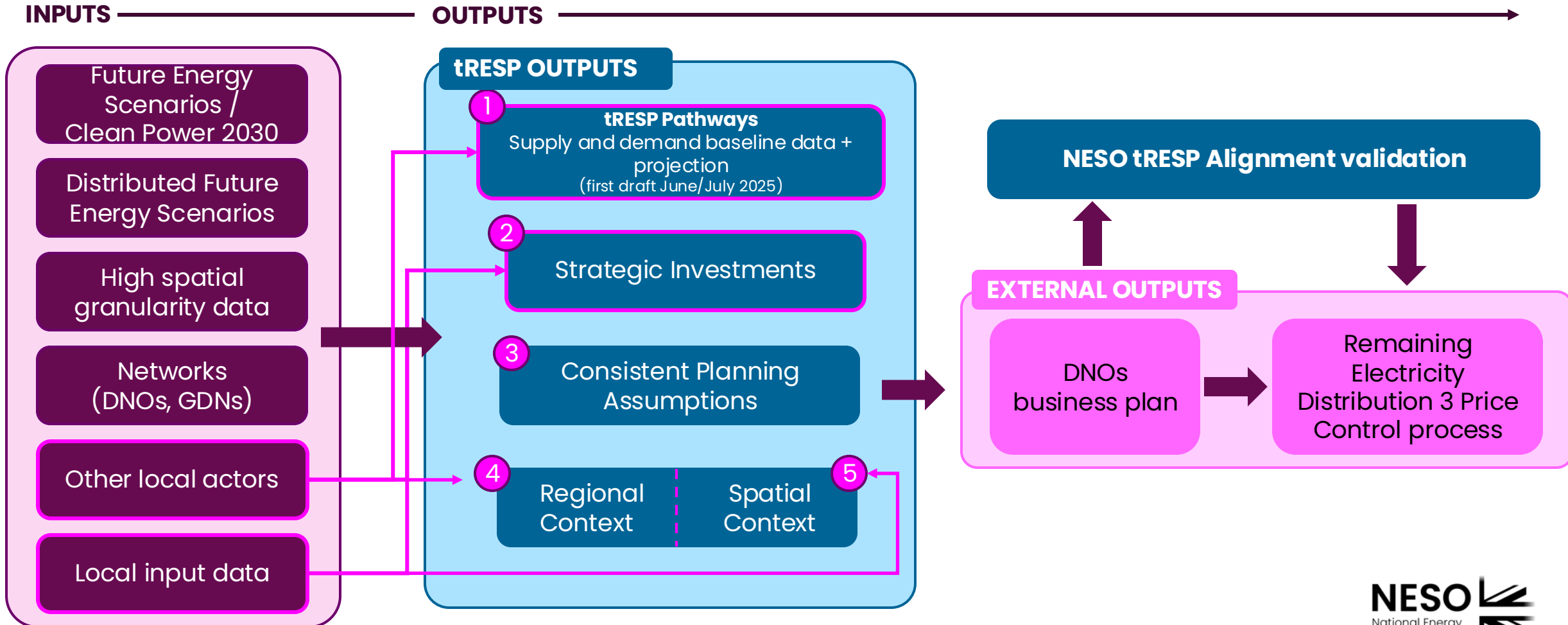
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4. tRESP Pathways & Strategic Investment

tRESP Overview



tRESP Pathways and Strategic Investments

Pathways

- Focus on mature, "shovel-ready" projects
- Driven by market demands and justified by immediate project readiness

Strategic Investment

- Aims to inform anticipatory investments
- Based on less mature but strategically relevant projects for future capacity needs

tRESP – Pathway Explainer

NATIONAL



Set a national trajectory and provide a high-level view of the potential energy systems of the future.

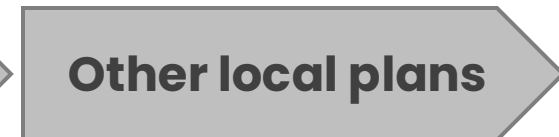
REGIONAL



Reconciliates the National and Local plans with a multi-energy vector approach.



Aligns with national FES but provides more granular detail for distribution networks.



Aligns with FES but drives specific interventions in local areas. Developed by local authorities to address local energy needs and opportunities.

Potential Strategic Investment Initiatives



**Limited Grid Capacity and
Curtailment**



Connection Delays



**High Grid Reinforcement
Costs**



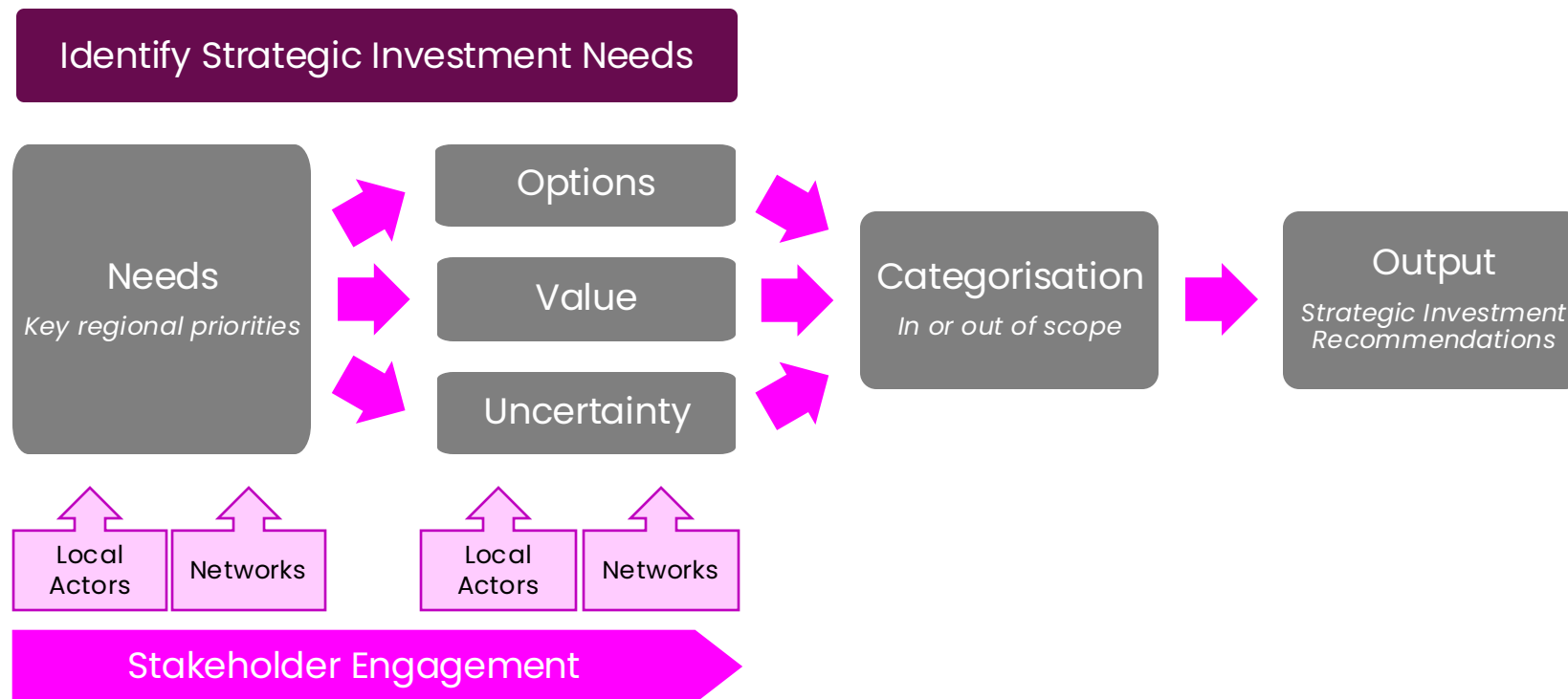
Whole System



Policy and Regulation

Strategic Investment

Proposed high level process



What's Next on tRESP?

	Mar - 25	Apr - 25	May - 25	Jun - 25	Jul - 25	Aug - 25	Sep - 25	Oct - 25	Nov - 25	Dec - 25	Jan - 26
Key Milestones:	1st set of RESP Forums				2nd RESP Forums		Public Consultation	3rd RESP Forums			Publication
Ongoing Engagements:		Bi-laterals & Technical Working Groups									

5. Your Views and Feedback – Poll Survey

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Q&A

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6. Next Steps

Next Key Milestone

We will be hosting the next Forums in summer 2025.

The next Forum will include further deep dives into the tRESP project and how it will impact your local area.

The next Forum will also offer a greater opportunity for you to voice your views, and we will be actively seeking your input and knowledge.

We look forward to seeing you there.

Thank you

NESO

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

Strategic Energy Planning

<https://www.neso.energy/what-we-do/strategic-planning>

RESP

<https://www.neso.energy/what-we-do/strategic-planning/regional-energy-strategic-planning-resp>

Contact:

box.resp@nationalenergyso.com