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In October 2023 the Energy Act set the legislative framework for NESO as an organisation at the heart of the energy sector.



NESO is set up as a public corporation independent from industry and Government.



1,800 people on day 1

NESO will deliver significant additional value to society from Day 1.



Let's focus on our role in whole energy strategic planning.



We will coordinate system design and planning efforts across the whole energy industry so planning and investment decisions can be optimised to deliver GB's net zero objectives at the lowest sustainable cost to consumers.

NESO is well-placed to take this on thanks to

The ESO's world-leading strategic planning efforts for the electricity network

And we're building our skills in

Cross-vector technical expertise and capability

Whole system mindset and approach

As the Strategic Energy Planner, NESO will act independently of asset owners across three overarching roles.

Strategic Energy Planning - governance and control



Centralised Strategic Network Planning

- Scope includes all networked energy
- Electricity and hydrogen systems completely codependent
- Consideration of liquid fuels
- Transmission, onshore, offshore
- Electricity: generation & location, wires, batteries
- Gas planning: independent view of pipeline system
- Hydrogen: electrolysis & location



Strategic Spatial Energy Planning

- Vectors in scope include electricity, hydrogen and gas
- Supply, demand and high-level network needs co-optimised
- Capacities, locations & timings
- Government inputs & endorsed by Government and Ofgem
- Strategic Environmental Assessment
- Status in planning
- Full ambition but focusing only on electricity and hydrogen, and only on large supply and demand



Regional Energy Strategic Planning

- 10-13 regional energy plans across all energy vectors developed with local stakeholders
- Plans inform distribution network price controls
- Regional plans join up local energy plans with national plans

 Detailed design for RESP is taking place in 2024 and there is no day 1 capability.

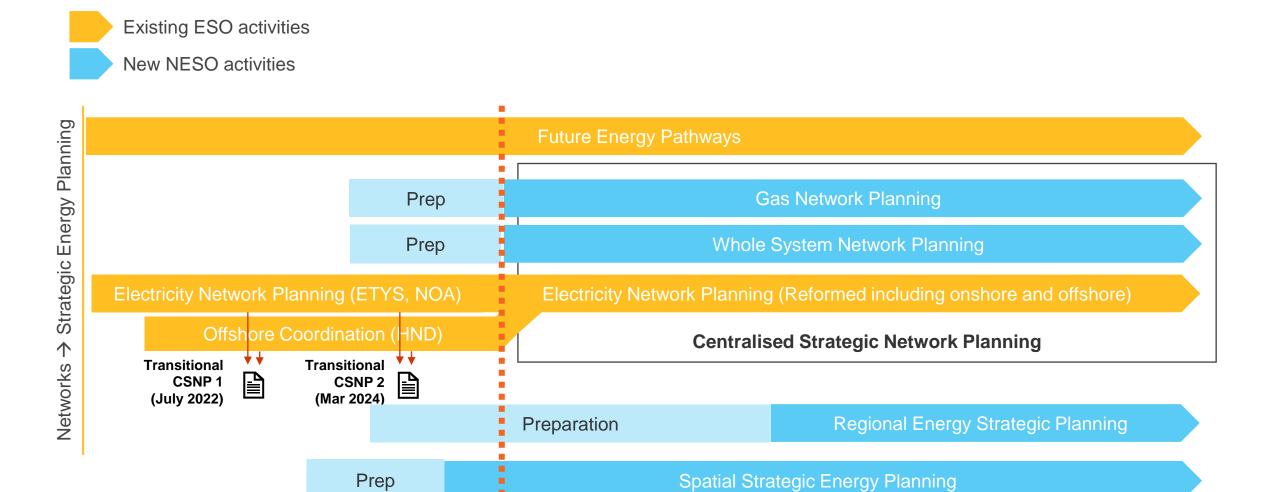
Day 1

Full

Ambition

Coordinated data and assumptions

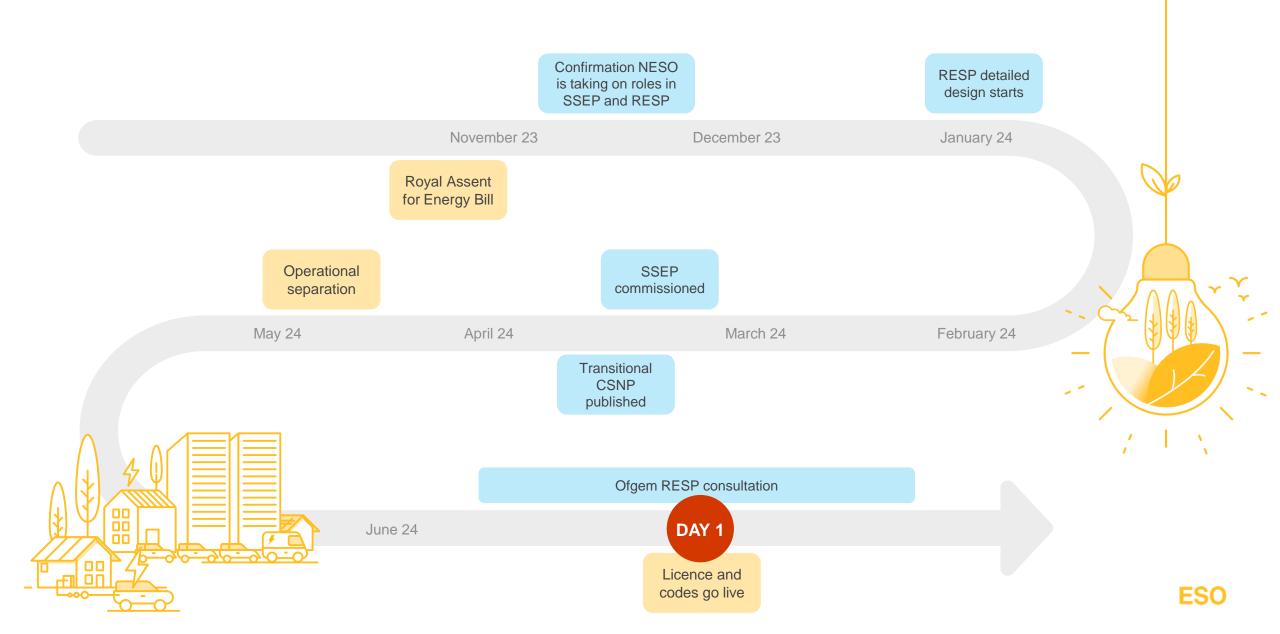
The SSEP, CSNP and RESP will come online progressively, so NESO can ultimately coordinate design and planning efforts across whole energy.



NESO Day 1

Time

Here's what you can expect between now and Day 1.



We want to hear your thoughts!

Establishing NESO is a huge challenge so we can't do this alone. We need your support to make NESO the success we all want it to be.

What does this mean for you?

Strategic Spatial Energy Planning Our engagement on the SSEP and its public consultation will reach a wide range of stakeholders, including the energy industry, transmission owners, environmental representatives and the public and their representatives.

Centralised
Strategic
Network Planning

We will need to work in close partnership with **Transmission Owners** and **alternative providers** of solutions, and with **communities** on the local and **environmental** impact of options.

Regional Energy Strategic Planning

We will need to work closely with **GDNs**, **DNOs**, **Industry** and **Local Government** in setting up and implementing the new RESP capability.



Becoming the National Energy System Operator (NESO) | ESO (nationalgrideso.com)

Email enquiries: box.fso@nationalgrideso.com

Organisational Roadmap coming soon

Thank you for joining

