



North Sea
Transition
Authority

Offshore Electrification

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Carlo Procaccini

Chief Technical Officer, NSTA



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The North Sea Transition Authority is the business name for the Oil & Gas Authority, a limited company registered in England and Wales with registered number 09666504 and VAT registered number 249433979. Our registered office is at 21 Bloomsbury Street, London, United Kingdom, WC1B 3HF.

NSTA – What we do

We regulate and influence the oil, gas and carbon storage industries. We help **drive North Sea energy transition**, realising the significant potential of the UK Continental Shelf as a critical energy and carbon abatement resource.

We hold industry to account on their commitment to
reducing upstream emissions by a minimum of 50% by 2030.

ENERGY SECURITY



Helping meet UK energy demand

Oil and gas licensing and stewardship

EMISSIONS REDUCTION



Regulating for emissions reductions

Driving electrification and ensuring zero routine flaring

ACCELERATING THE TRANSITION

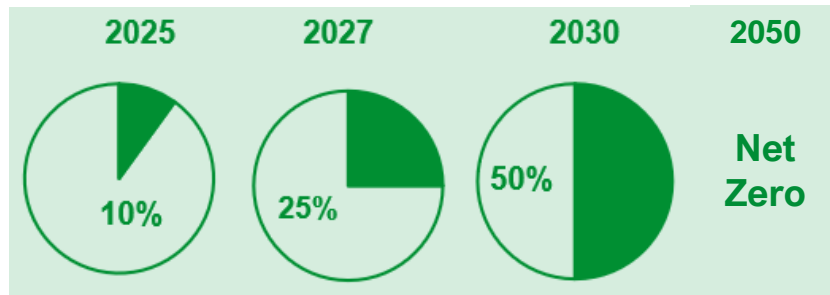


Carbon storage licensing and stewardship

Promoting energy integration
Providing open data access

We aim to be an **integrating force in the UKCS**, helping realise its **full economic potential**.
We champion **the supply chain** and **job creation** across the UK.

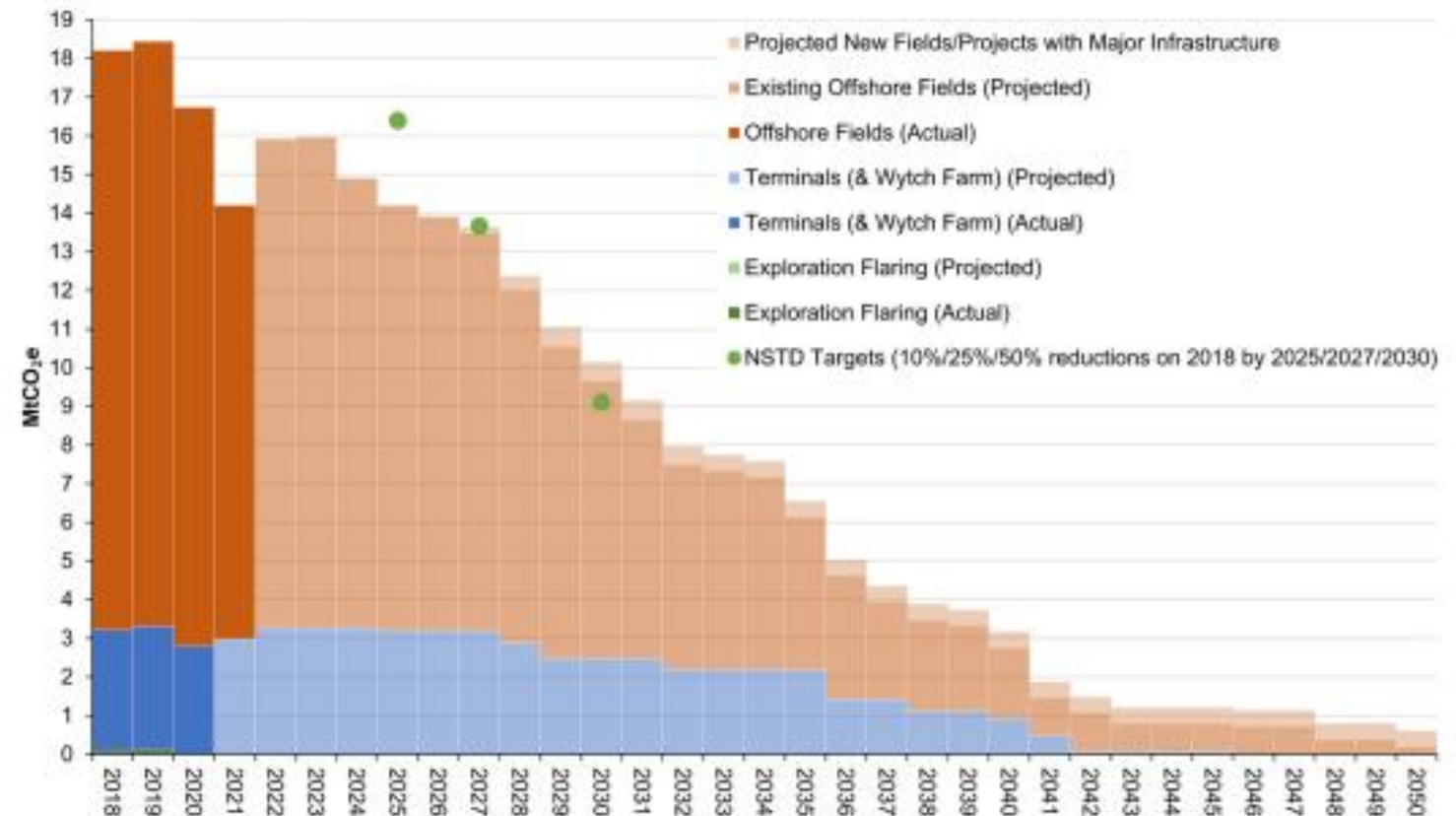
North Sea Transition Deal - Targets



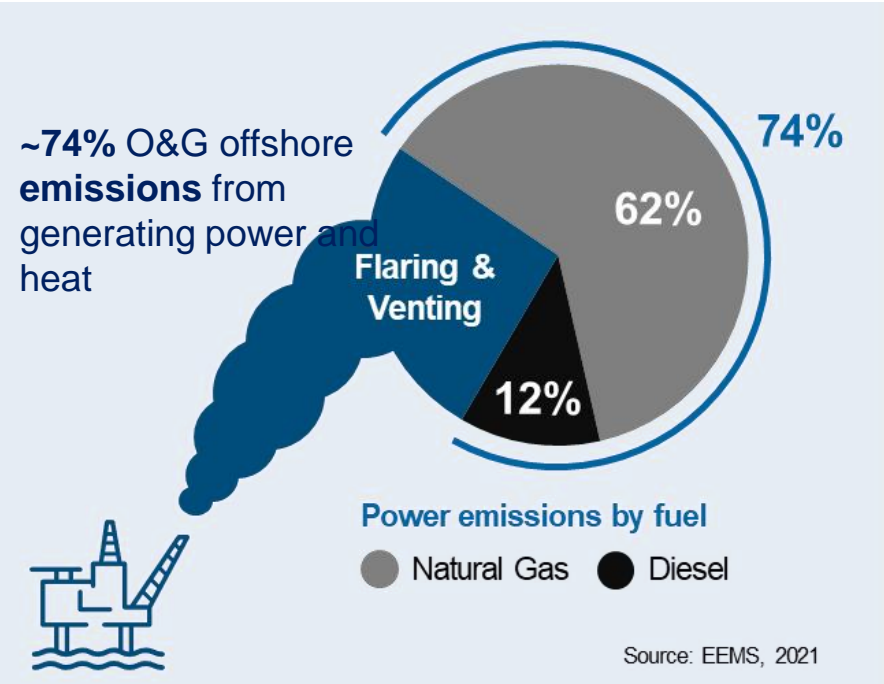
NSTA Net Zero Guidance



Early success – but much to do



Offshore O&G power emissions

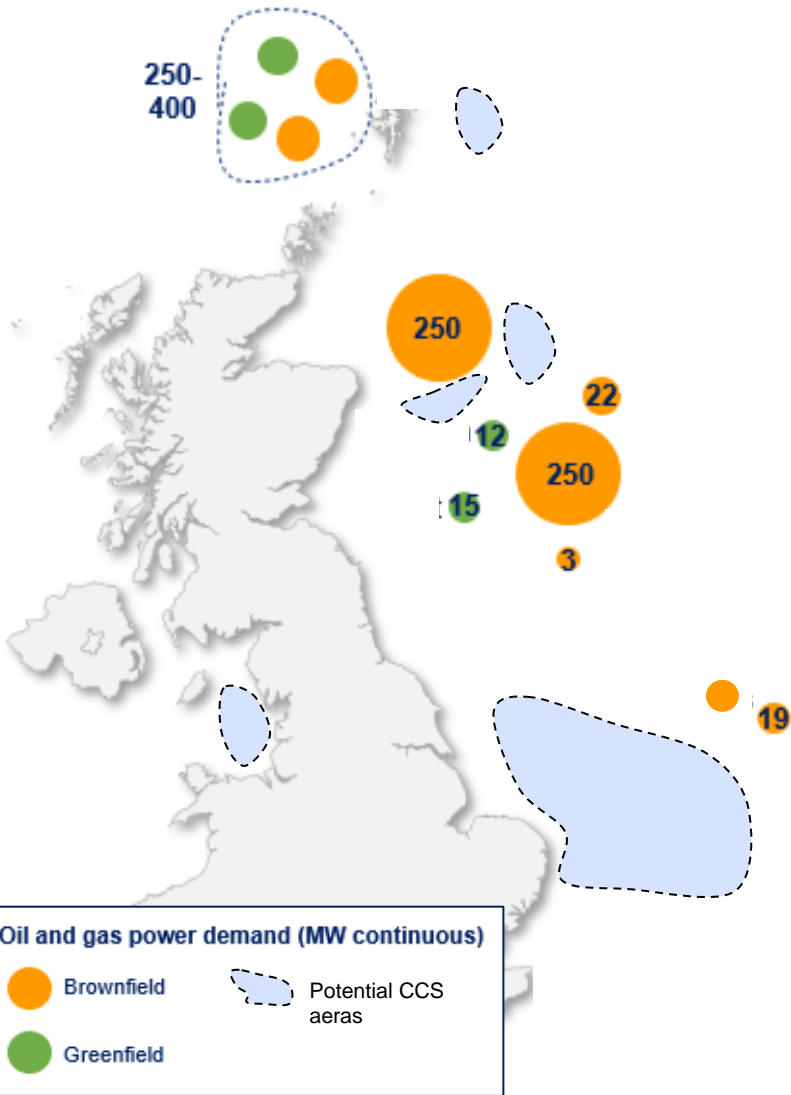


~2.5 GW offshore O&G power demand



Opportunity to supply windpower

Offshore electrification potential (MW demand)

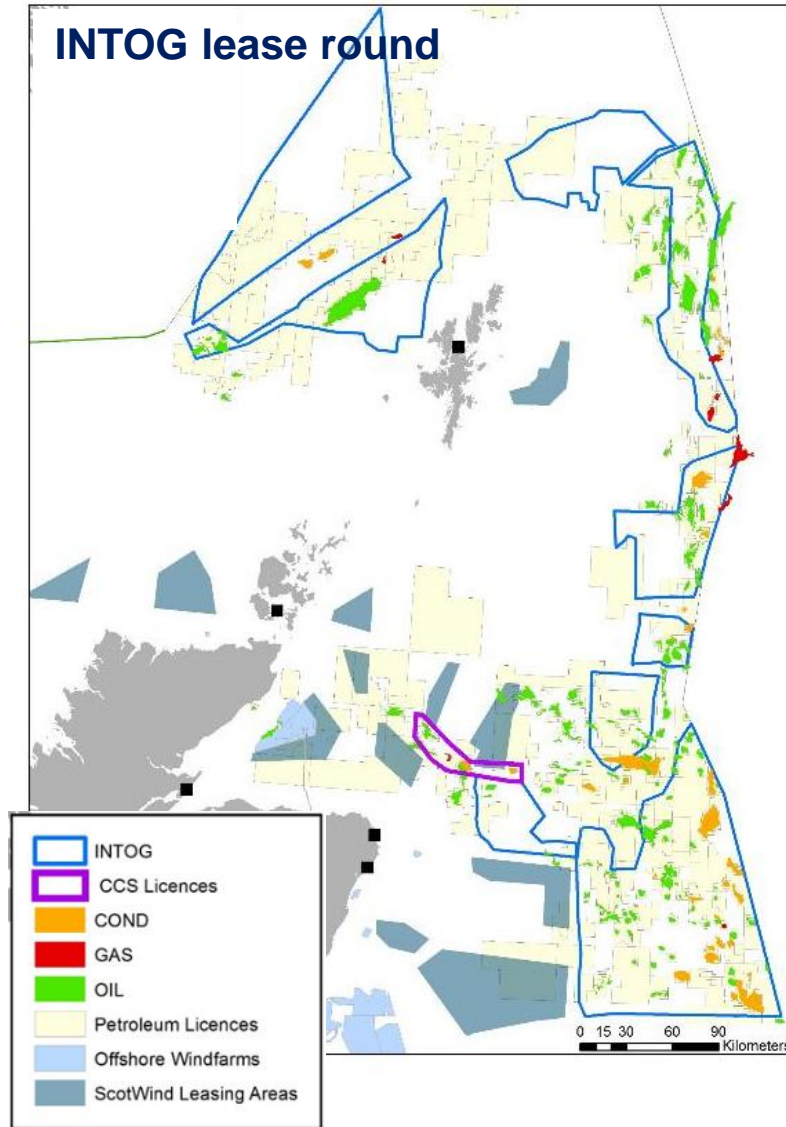


Synergies with offshore windpower



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- Electrification from renewables to tackle power emissions
- Large regional schemes to target 1-2mtCO₂pa reductions
- Synergies with windpower
 - Floating wind growth
 - Investment in long-lived renewable infrastructure
 - With initial service (10-20 years) for oil & gas
 - Sharing of transmission infrastructure cost
- Accelerated deployment (bf. Scotwind) supporting UK supply chain investments
- Skills for the Energy Transition



March 2023

INTOG results announced

13 projects have now been offered agreements



- 8 Targeted Oil and Gas (TOG) decarbonisation projects offered agreements (Central North Sea area)
- 5.4GW capacity offered (IN+TOG)

Next steps:

- Signing of Exclusivity Agreements (CES)
- Developers / Operators engagement towards power contracts negotiations
- Operators defining oil & gas project scope (topsides modifications, connections)

INTOG – option to collaborate with windpower

UKCS long-term opportunity



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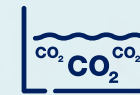


£220bn

expenditure to 2030



50GW fixed and
floating offshore wind



78gt CO₂ storage
& major repurposing



211,000 offshore
energy jobs



New hydrogen
economy



6bn barrels
current forecast



60%
of UK's abatement