

North Sea Transition Authority

OEUK conference

The Age-Old Energy Trilemma

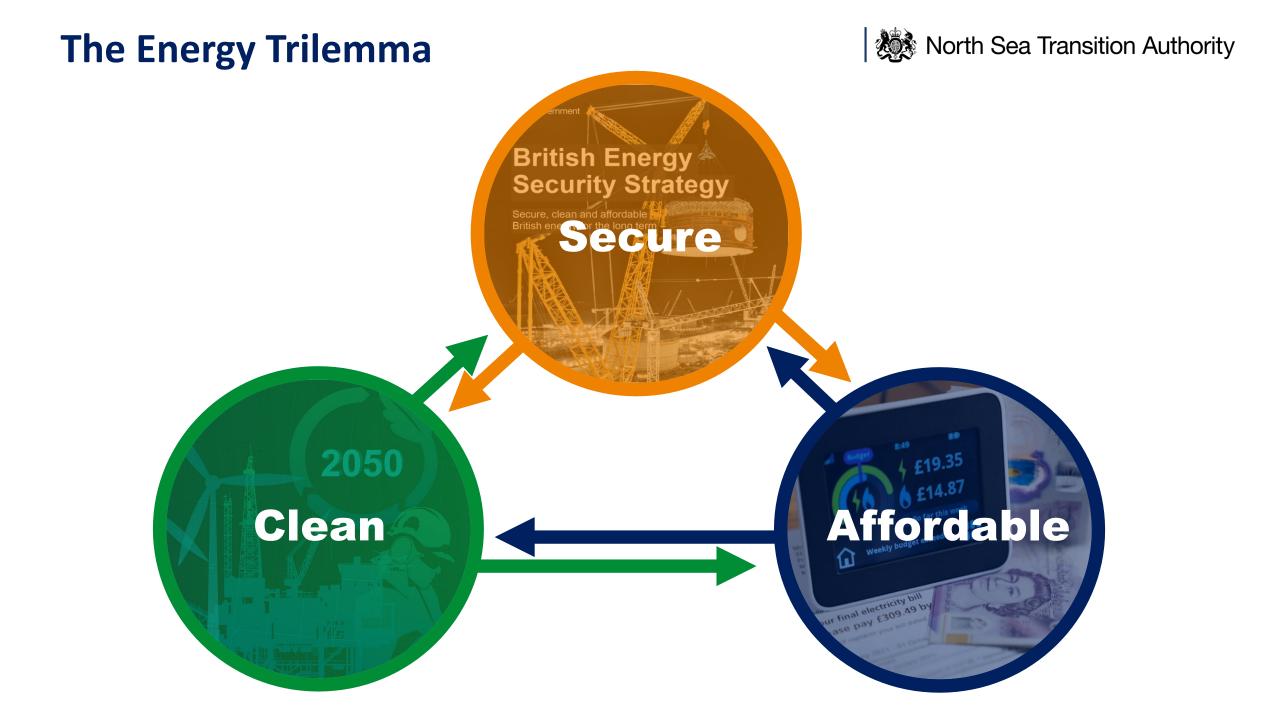
Dr Andy Samuel, Chief Executive

24 May 2022

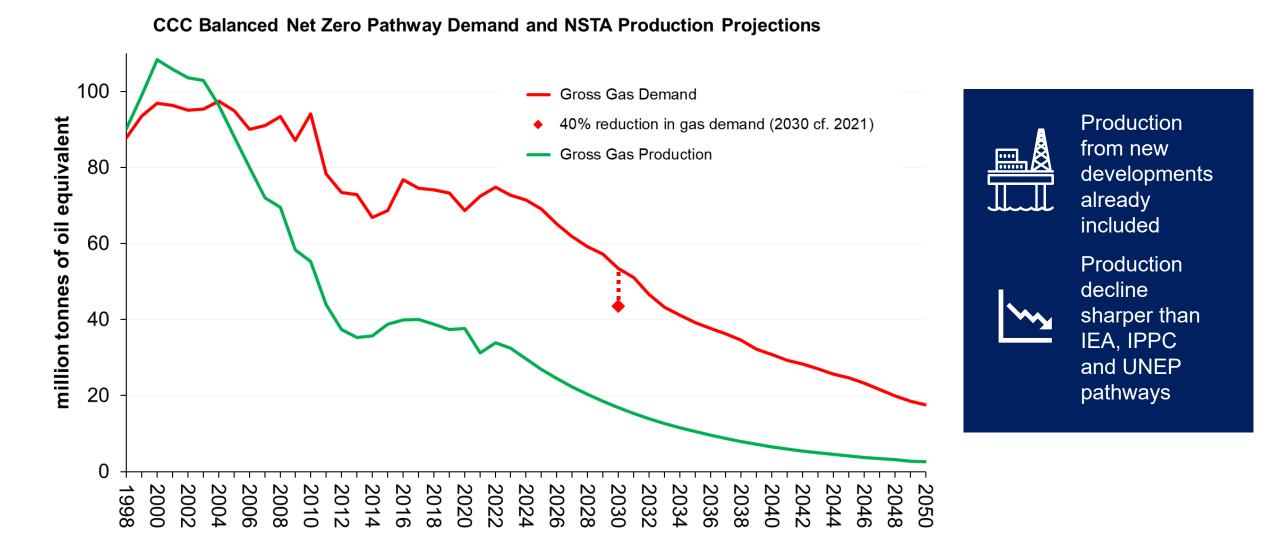
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The North Sea Transition Authority is the business name for the Oil & Gas Authority, a limited company registered in England and Wales with registered number 09666504 and VAT registered number 249433979. Our registered office is at 21 Bloomsbury Street,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

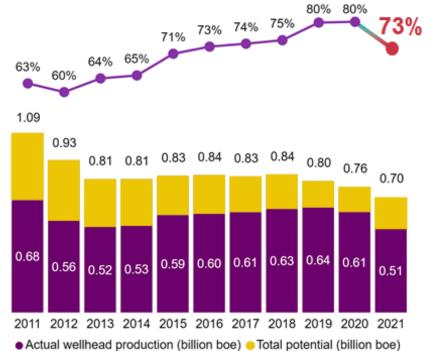


Demand outstrips domestic supply

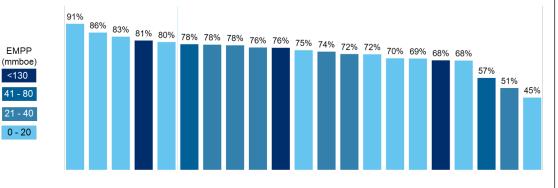


Production Efficiency and Wells

UKCS PE Trend



Production Efficiency by Operator & Production



Operator 'Completed Operating' Well Stock %



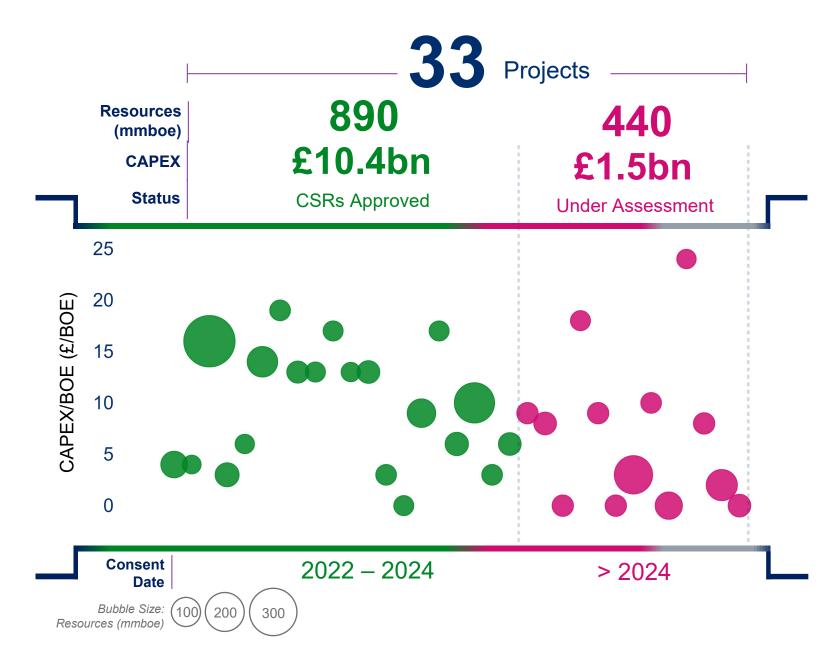
Key performance data reviewed with Top 22 operators

MD's commitment to get PE back to 80%

Other short-term opportunities such as wells being worked hard

Projects Pipeline

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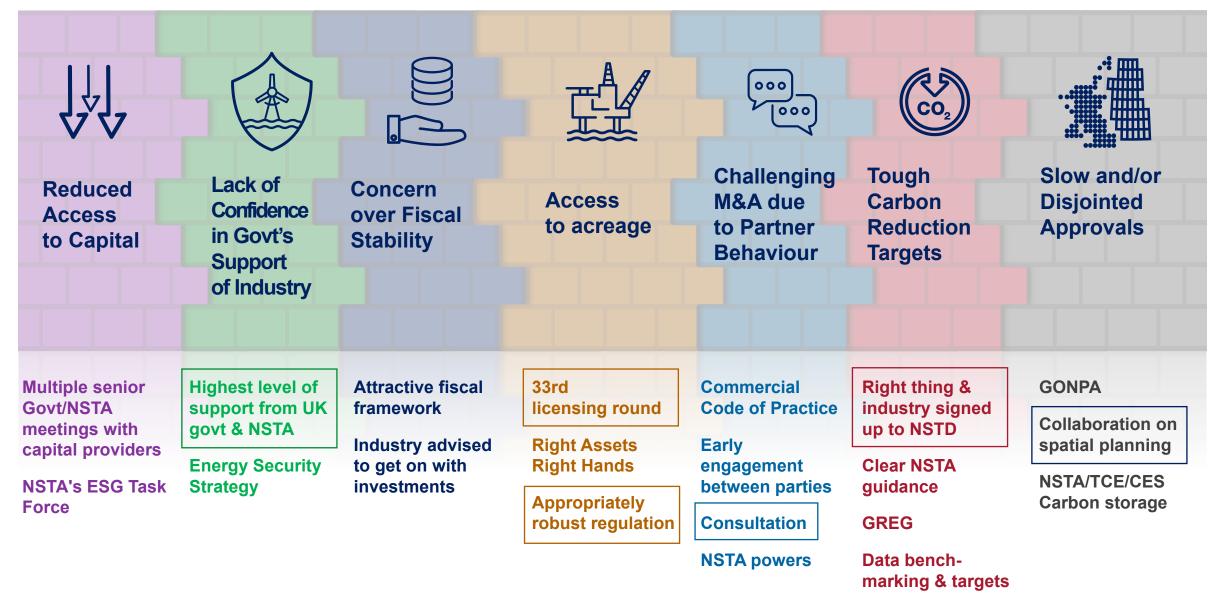


33 projects totalling 1.3bn boe in pipeline

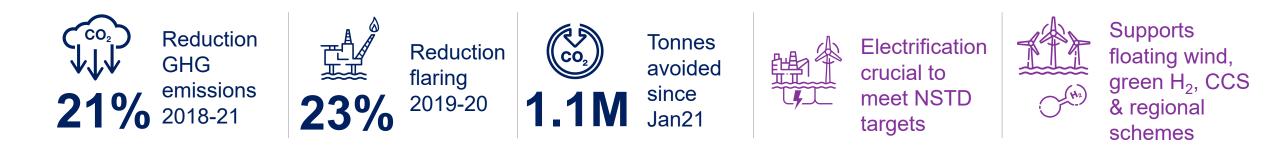
84% resources held by largest operators

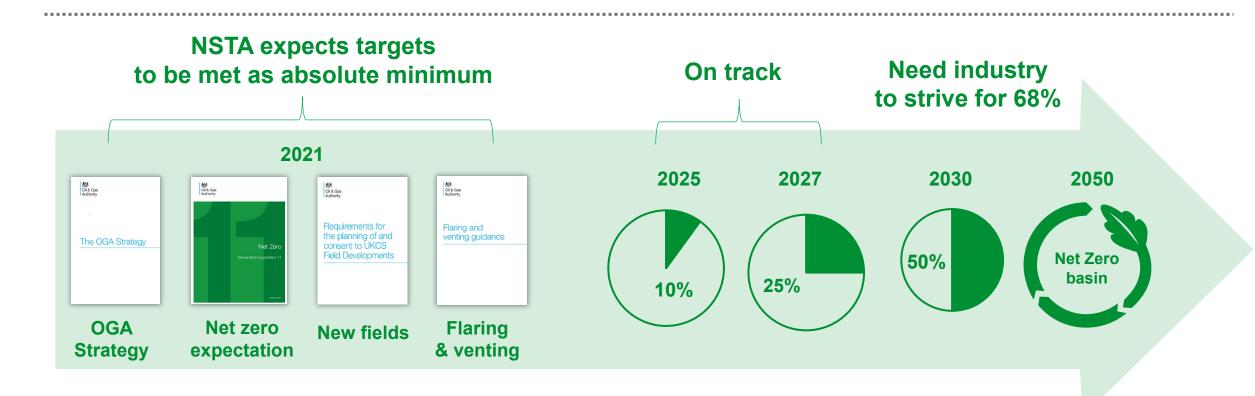
Potential for **890 mmboe** to be consented by 2024

Latest barriers/enablers to Oil & Gas Investment

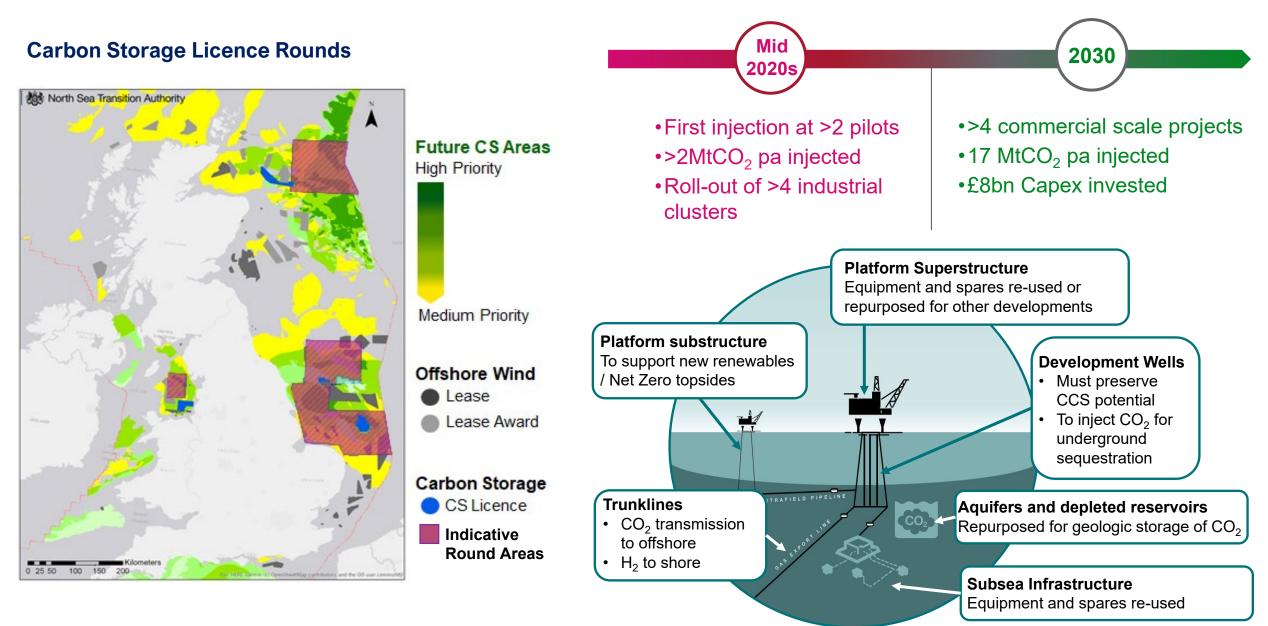


Delivering the Deal: Emissions reductions

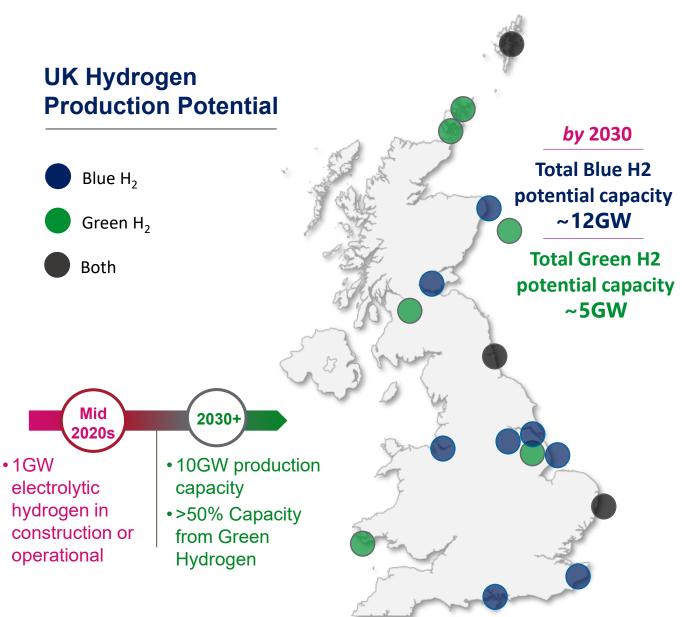




Carbon storage and circular economy



Hydrogen and systemic approach



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Enablers

Develop low-carbon production



Blue H₂: Industrial clusters & CCUS, natural gas feedstock



Green H₂: Coastal locations, offshore renewable electricity generation capacity & water supply

Establish H₂ hubs and terminals



 H_2 transmission and distribution: Pipelines & network integration (with CO_2 / CH_4)

Establish H₂ storage networks

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Storage: Offshore/ onshore; underground/ surface

Supply Chain Key

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~ 85% of UK oil and gas workforce employed by supply chain

Supply Chain Action Plans, Stewardship Expectation 12 & robust reviews



Prompt payment



Energy Pathfinder: 135 live projects



Digital & Technology



Partnerships

World class innovation





Leadership: tripartite focus on transition



Emissions reduction technology & best practice exported globally



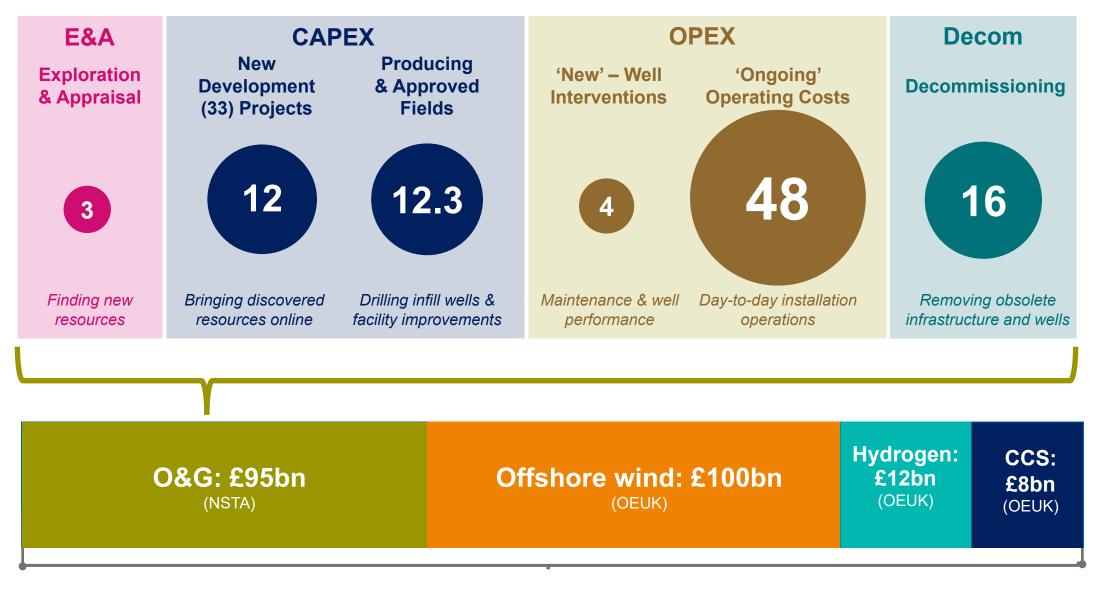


Technology Driving Transition



UKCS investment 2022-2030

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Total: £215bn

Vital year and decade of delivery

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2050 Net Zero

2030

-50% Emissions Reduction **Zero Routine Flaring**



Continued investment

- Oil and gas to meet demand profile ٠
- CCS and renewables

Further emissions reduction

- Critical to exceed targets •
- **Electrification crucial**

Transition plans



£18bn by 2030

2027

2025



Transition plans

- Transparent and specific to each operator
- Tripartite collaboration



NEPTUNE **ENERGY**

£800mm over 5 years

-25% Emissions Reduction



-10% Emissions Reduction

2022

Value Creation

- Exchequer revenues •
- Global supply chain in new technologies •



