

OEUK conference

The Age-Old Energy Trilemma

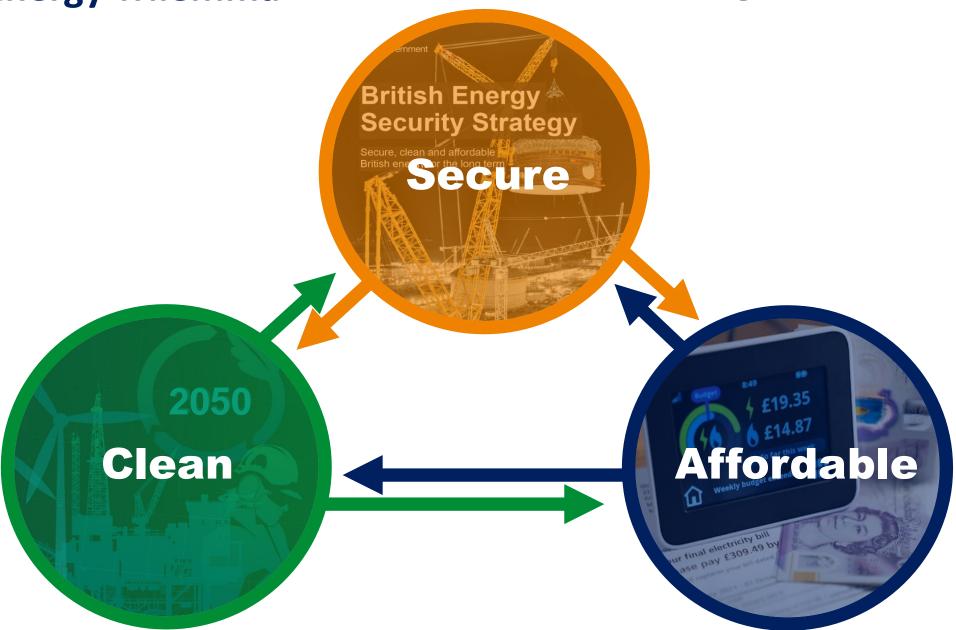
Dr Andy Samuel, Chief Executive

24 May 2022

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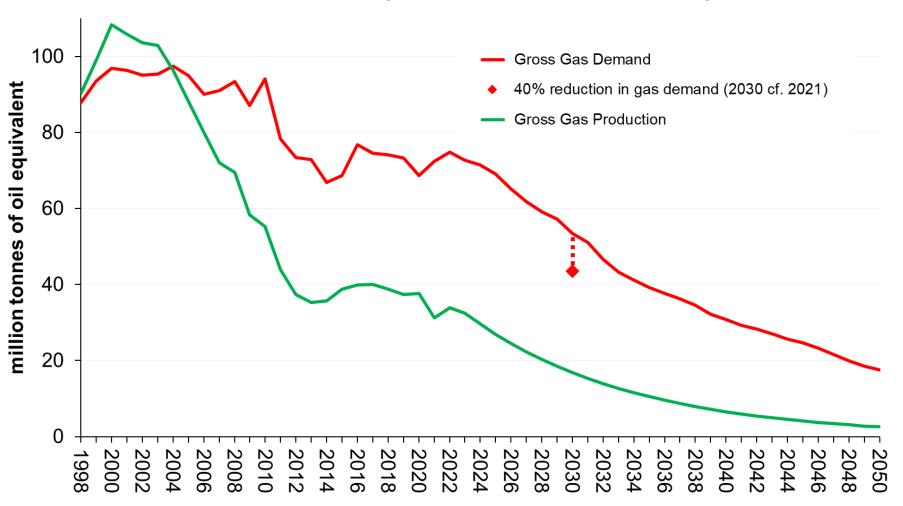
The North Sea Transition Authority is the business name for the Oil & Gas Authority, a limited company registered in England and Wales with registered number 09666504 and VAT registered number 249433979. Our registered office is at 21 Bloomsbury Street, London, United Kingdom, WC1B 3HF.



Demand outstrips domestic supply



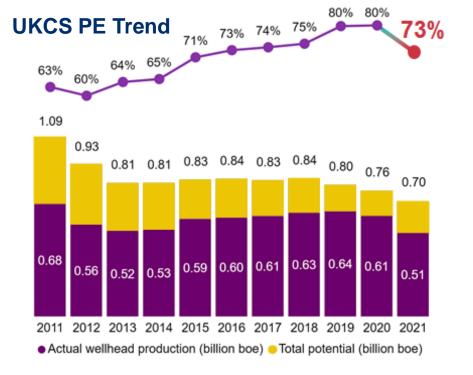
CCC Balanced Net Zero Pathway Demand and NSTA Production Projections



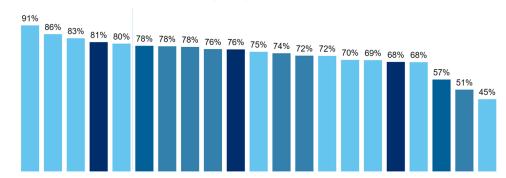


Production Efficiency and Wells





Production Efficiency by Operator & Production



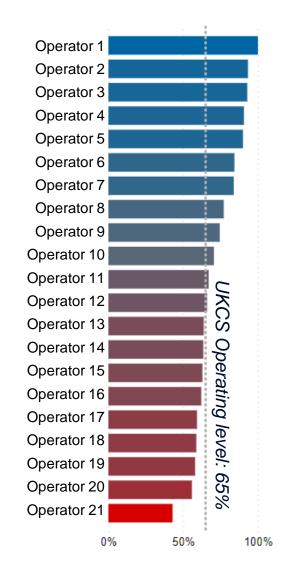
(mmboe)

<130

41 - 80

21 - 40 0 - 20

Operator 'Completed Operating' Well Stock %

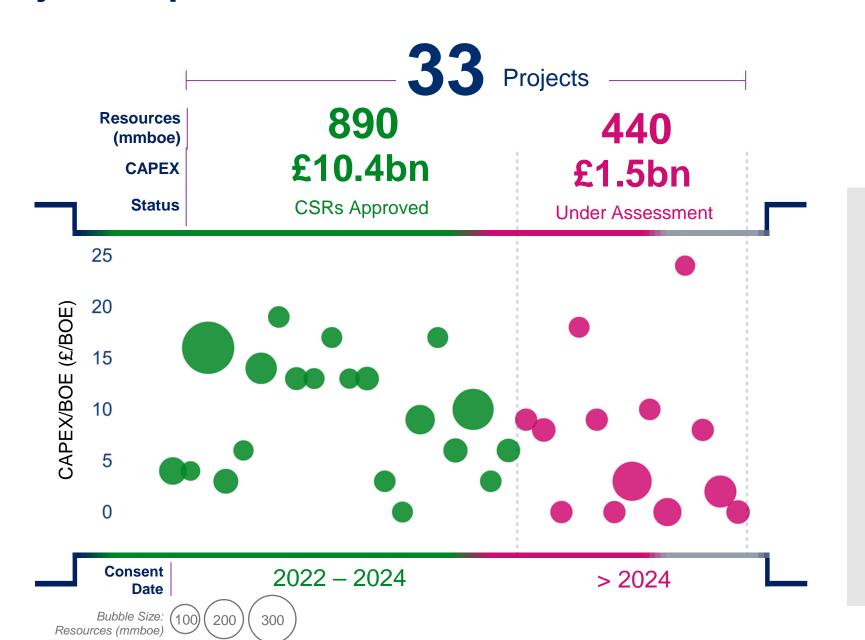


Key performance data reviewed with Top 22 operators

MD's commitment to get PE back to 80%

Other short-term opportunities such as wells being worked hard

Projects Pipeline



33 projects totalling1.3bn boein pipeline

84% resources held by largest operators

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

Latest barriers/enablers to Oil & Gas Investment





Reduced Access to Capital



Lack of Confidence in Govt's Support of Industry



Concern over Fiscal Stability



Access to acreage



Challenging M&A due to Partner Behaviour



Tough
Carbon
Reduction
Targets



Slow and/or Disjointed Approvals

Multiple senior Govt/NSTA meetings with capital providers

NSTA's ESG Task Force

Highest level of support from UK govt & NSTA

Energy Security Strategy

Attractive fiscal framework

Industry advised to get on with investments

33rd licensing round

Right Assets Right Hands

Appropriately robust regulation

Commercial Code of Practice

Early engagement between parties

Consultation

NSTA powers

Right thing & industry signed up to NSTD

Clear NSTA guidance

GREG

Data benchmarking & targets **GONPA**

Collaboration on spatial planning

NSTA/TCE/CESCarbon storage

Delivering the Deal: Emissions reductions











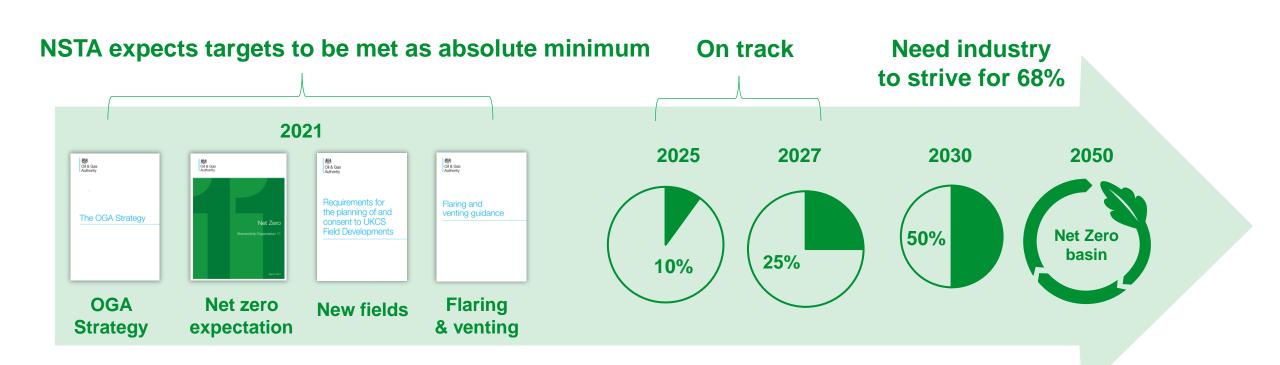




Electrification crucial to meet NSTD targets

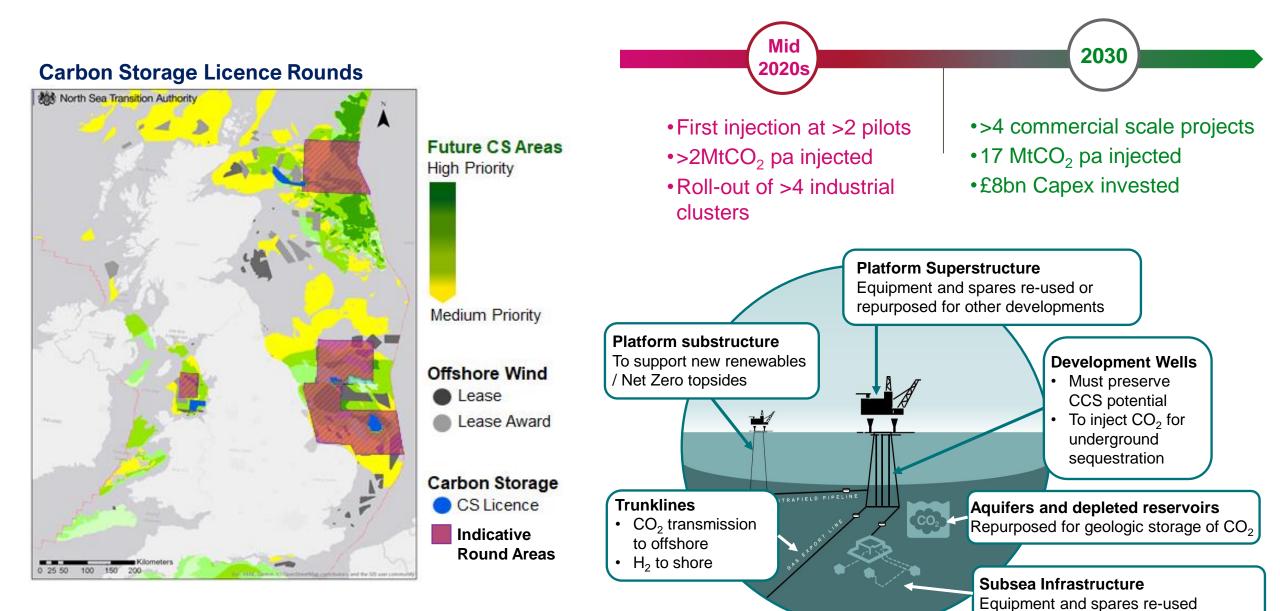


Supports floating wind, green H₂, CCS & regional schemes



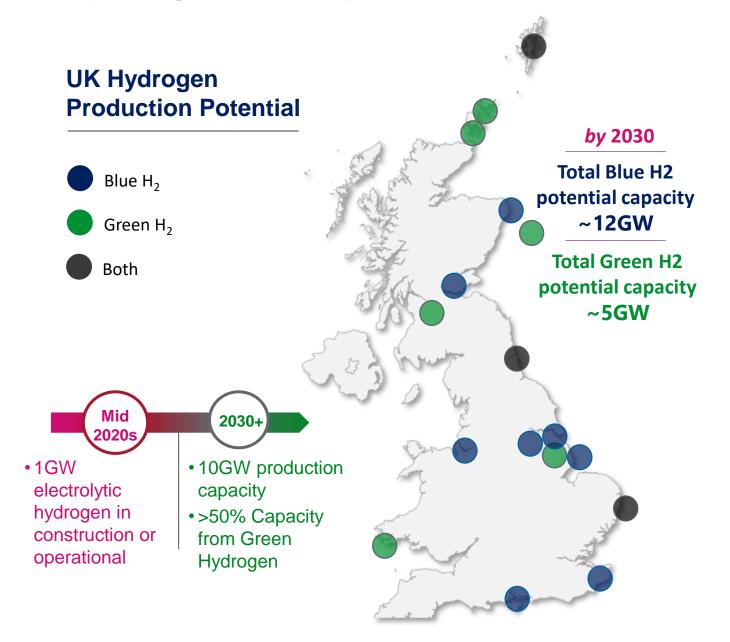
Carbon storage and circular economy





Hydrogen and systemic approach





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

(with CO_2 / CH_4)



H₂ transmission and distribution: Pipelines & network integration

Establish H₂ storage networks



0

Storage: Offshore/ onshore; underground/ surface

Supply Chain Key



~ 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

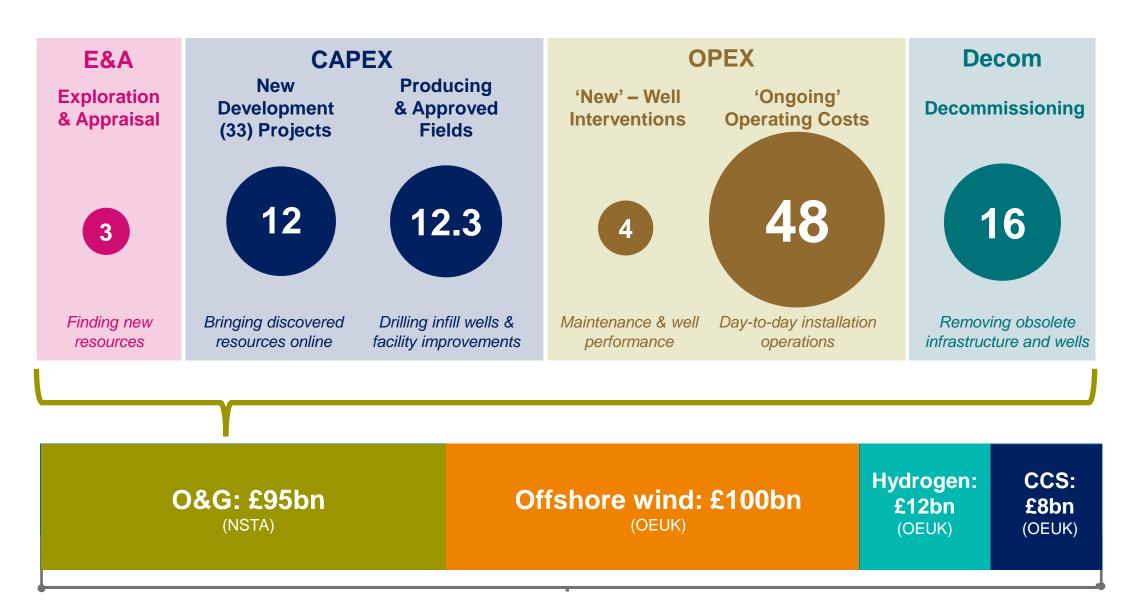








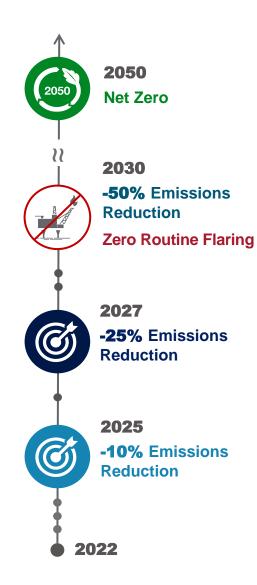
UKCS investment 2022-2030



Total: £215bn

Vital year and decade of delivery







Continued investment

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



Further emissions reduction

- Critical to exceed targets
- Electrification crucial



Transition plans

- Transparent and specific to each operator
- Tripartite collaboration



Value Creation

- Exchequer revenues
- Global supply chain in new technologies

Transition plans



£18bn by 2030



£20-25bn over 10 years



£800mm over 5 years



Thank you