

---

# Government CCUS Deployment Strategy and Upstream sector integration

Dr Sophia Northridge  
Head of CCUS Transport & Storage Strategy



One tonne  
of CO<sub>2</sub>

Matchless Business Improvement... make you a...  
city but went above and beyond...  
...stories, and help us to cele...

There is no  
Planet B

There is no  
Planet B

Protect  
Our Planet

and Barrett

## November 2020

- Ten Point Plan for a green Industrial Revolution

## December 2020

- Energy white paper: Powering our net zero future
- Carbon Capture, Usage, and Storage (CCUS) Business Models

## February 2021

- CCUS Cluster Sequencing Consultation

## May 2021

- Carbon Capture, Usage, and Storage (CCUS) Business Models
- Carbon capture, usage and storage (CCUS) supply chains: a roadmap to maximise the UK's potential
- Design of the Carbon Capture and Storage (CCS) Infrastructure Fund
- Cluster sequencing for carbon capture, usage and storage (CCUS) deployment: Phase-1

## July 2021

- Carbon capture, usage and storage: amendments to Contracts for Difference regulations.

## August 2021

- Carbon capture, usage and storage (CCUS): offshore decommissioning regime for CO2 transport and storage
- Carbon capture, usage and storage (CCUS): duties and functions of an economic regulator for CO2 transport and storage
- Hydrogen Business Model Consultation

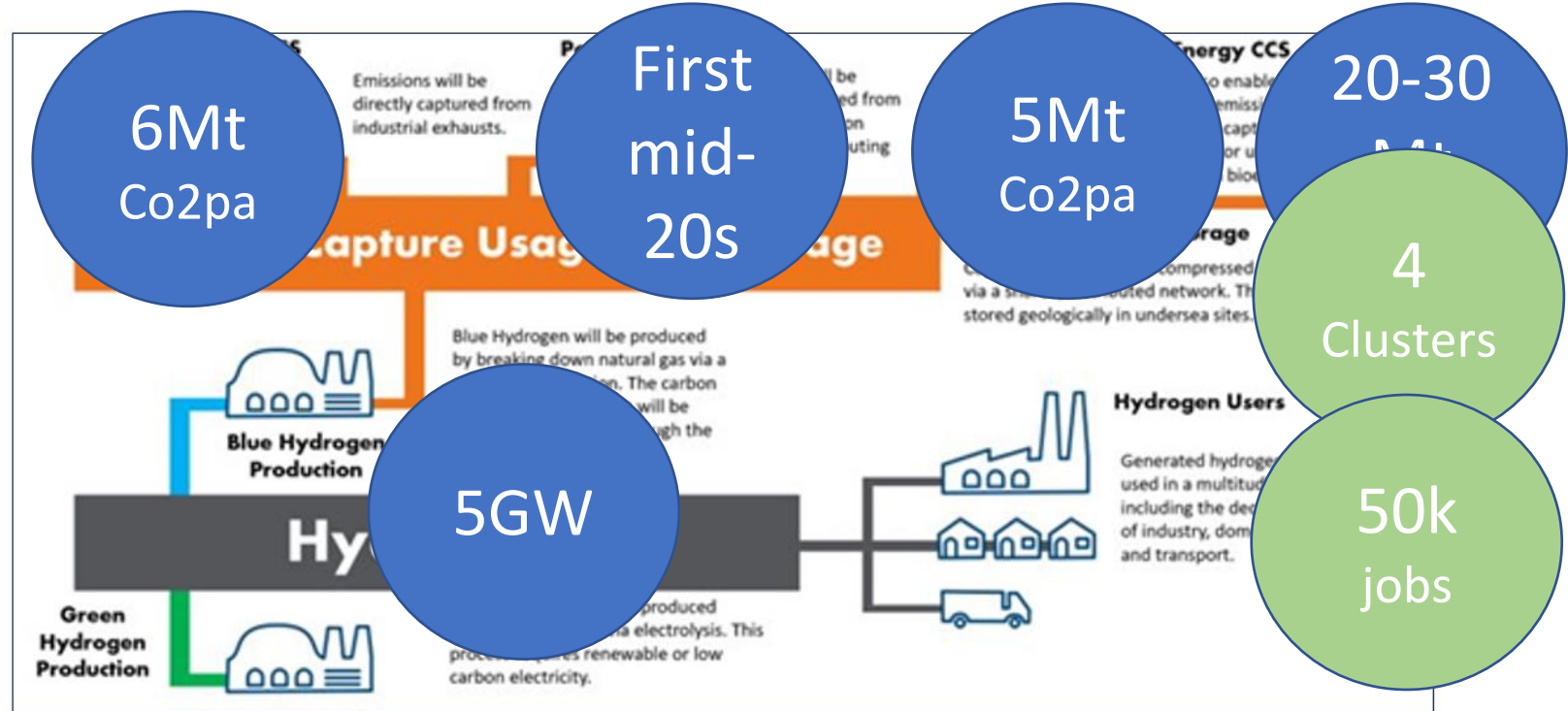
## October 2021

- Carbon capture, usage and storage (CCUS): business models
- Net Zero Strategy: Build Back Greener
- Cluster Sequencing Announcement

## November 2021

- Update on Track-2 process
- Cluster sequencing for carbon capture, usage and storage (CCUS) deployment: Phase-2
- Carbon capture, usage and storage (CCUS): ICC and DPA business models update
- Design of the Carbon Capture and Storage (CCS) Infrastructure Fund





# North Sea Transition Deal



The main commitments of the North Sea Transition Deal are:

- **Emissions reduction targets:** 10% by 2025, 25% by 2027, 50% by 2030, 90% by 2040.
- **Deliver investment** of up to £14-16bn by 2030 **into new energy technologies.**
- **50% local UK content across the lifecycle for all related new energy transition projects and decommissioning by 2030.**
- **60Mt reduction in greenhouse gas emissions,** including 15Mt through the decarbonisation of UKCS production **by 2030.**
- **Supporting up to 40,000 direct and indirect supply chain jobs** in decarbonising UKCS production and the CCUS and hydrogen sectors.
- **Government investment of £6.3 million in the Global Underwater Hub,** and a **further £2 million to implement the Deal.**

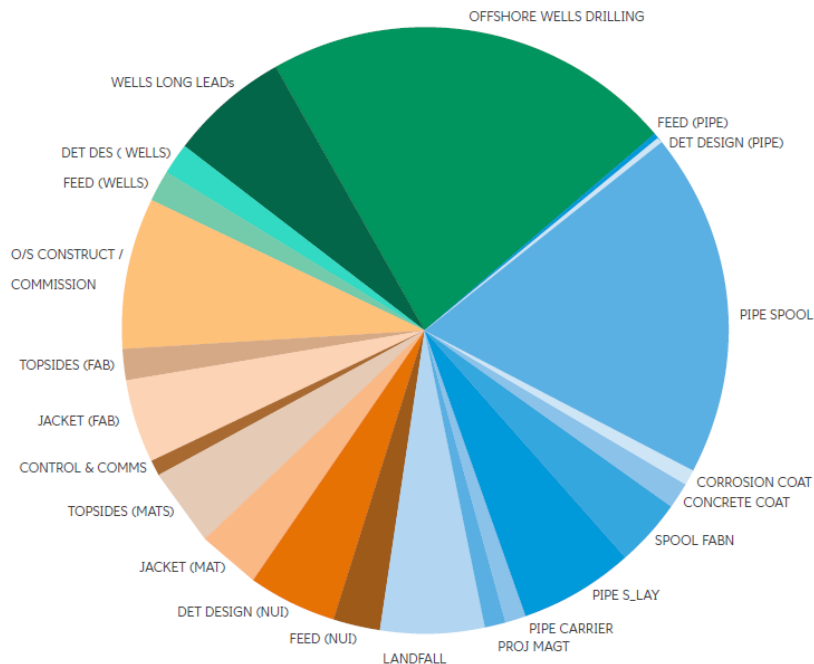
# Cost Breakdown of Single Store

From CCSA's Supply Chains Excellence for CCUS report, 2021

Pipe activity – blues

Platforms – oranges

Wells – greens



Transitioning the UK's Oil and Gas Sector 28/07/2021

**Total 2017 cost: £357m**

Cost £m 2017	
Feed (Pipe)	0.845
Det Design (Pipe)	1.56
Pipe Spool	65.6
Corrosion Coat	2.925
Concrete Coat	4.55
Spool Fabn	12.91875
Pipe S_Lay	21.9375
Pipe Carrier	3.9
Proj Magt	4
Landfall	20.3125
Feed (NUI)	8.45
Det Design (NUI)	16.9
Jacket (MAT)	11.57
Topsides (MATS)	14.95
Control & Comms	3.12
Jacket (Fab)	16.25
Topsides (Fab)	5.46
O/S Construct/ Commission	28.6
Feed (Wells)	6.283333333
Det Design (Wells)	6.283333333
Wells Long Leads	22.36
Offshore wells drilling	78



Reducing Emissions

Industry

NSTD

Supply Chain Road Map

40Mt Co2pa

