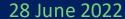


BECCS at Drax: Supporting clean growth, levelling up and climate leadership

CSLF CDR Workshop



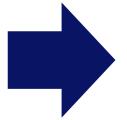
Introduction to Drax Group

Our new corporate strategy

Pellet Production

Objective 1: to be a global leader in sustainable biomass pellets

- Pellet sales, self-supply, cost reduction, fibre sourcing and technology



Negative Emissions

Objective 2: to be a global leader in negative emissions

- Development of projects in UK and internationally
- Carbon negative by 2030

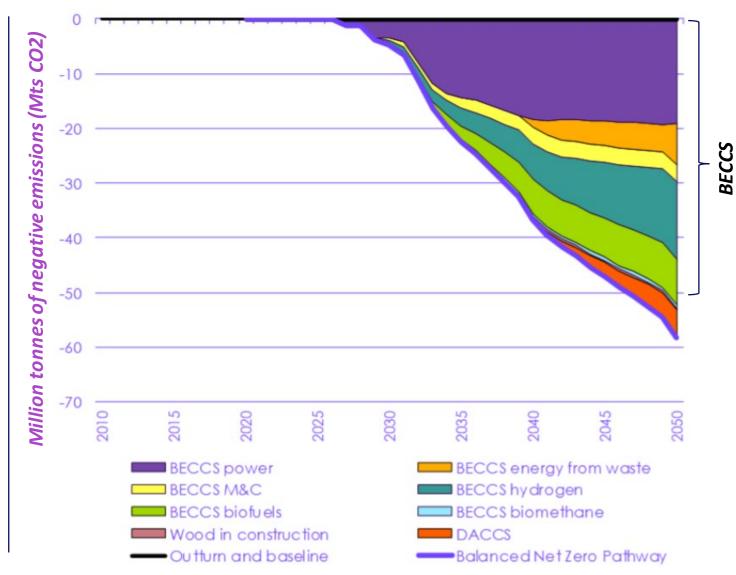
Dispatchable, Renewable Power

Objective 3: to be a leader in UK dispatchable, renewable power

- Flexible, renewable power biomass, pumped storage and hydro
- Renewable power and energy services to strategic customers

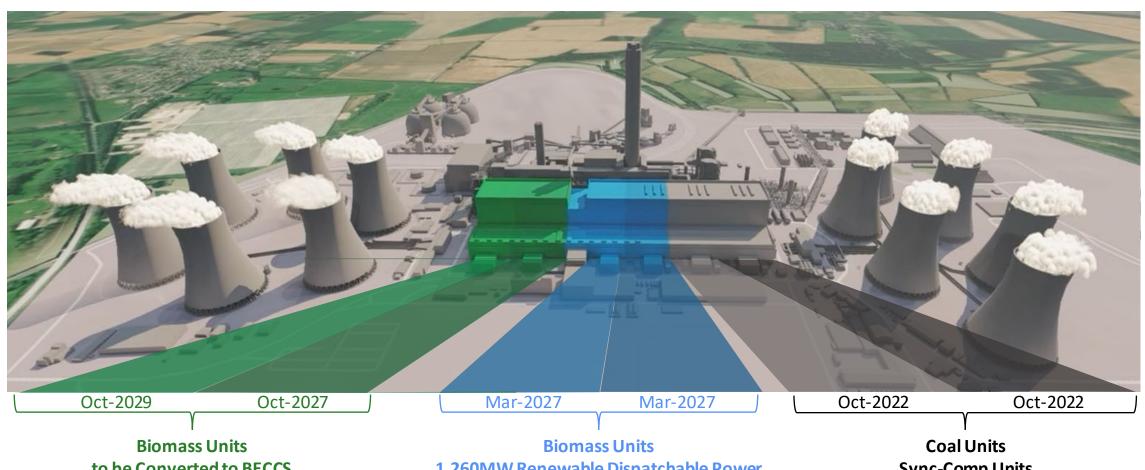
UK: BECCS is now central to achieving Net Zero, at least cost

- The UK Government's Net Zero Strategy (2021) set out an ambition for the UK to deploy at least
 5 million tonnes of negative emissions per year
 by 2030 from BECCS and/or Direct Air Capture projects (one Drax BECCS unit = ~4 Mts CO2 p.a.).
- The UK Climate Change Committee, National Infrastructure Commission and National Grid's Future Energy Scenarios all agree that the UK cannot achieve a net zero carbon economy without BECCS.
- BECCS would save the UK billions: £13bn in meeting its 5th Carbon Budget (2028-32) and £25bn in achieving Net Zero by 2050.



Source: Climate Change Committee 6 Carbon Budget Advice to Government

Drax Power Station has six generating units: 4 biomass units (2 earmarked for BECCS conversion by 2030) and 2 coal units that will close later this year



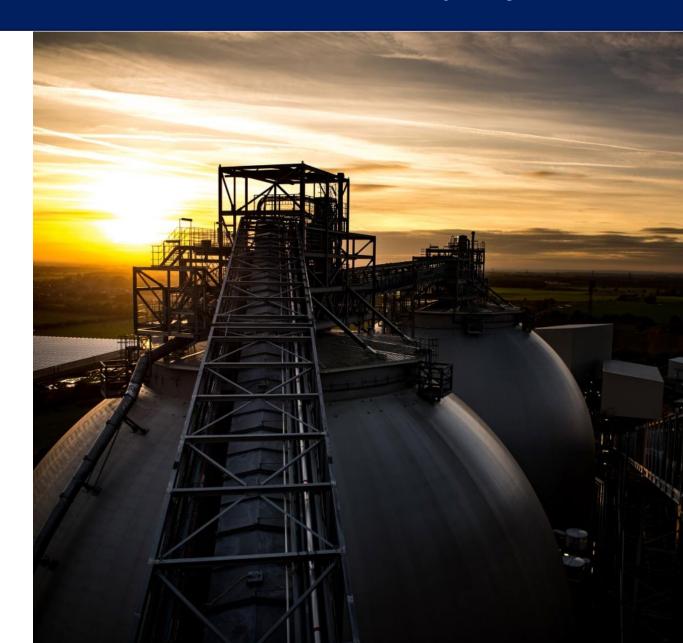
to be Converted to BECCS 880MW Renewable Baseload Power **8mpta Negative Emissions**

1,260MW Renewable Dispatchable Power Post-2027 operation to be determined

Sync-Comp Units Due to close in October 2022

Drax BECCS is amongst the UK's most advanced CCS projects

- We have the most technically advanced CCS project in the UK, building on an extensive engineering programme:
 - Solvent piloting at our power station since 2019
 - Pre-FEED work completed by Worley in Q1 2021
 - First CCS project in the UK to announce a capture technology licence agreement with Mitsubishi Heavy Industries in June 2021
 - EPC partner announced as Worley in December 2021
 - **FEED study** commenced January 2022
- We will spend over £40m in 2022 to progress the BECCS project, from balance sheet.
- We are targeting commissioning of our first BECCS unit in 2027, our second by 2029.
- We have started supply chain engagement and have already committed to 80% UK content in our construction phase.





145km

ENDURANCE

85km

Northern Endurance Partnership



DARLINGTON •

















TV ERF

8RIVERS

UP TO 10 MTCO, E CAPTURED

• YORK

• LEEDS

HULL

ZEROCARBON HUMBER

PROJECTS IN THE HUMBER

INCLUDING















17 + MTCO₂E CAPTURED

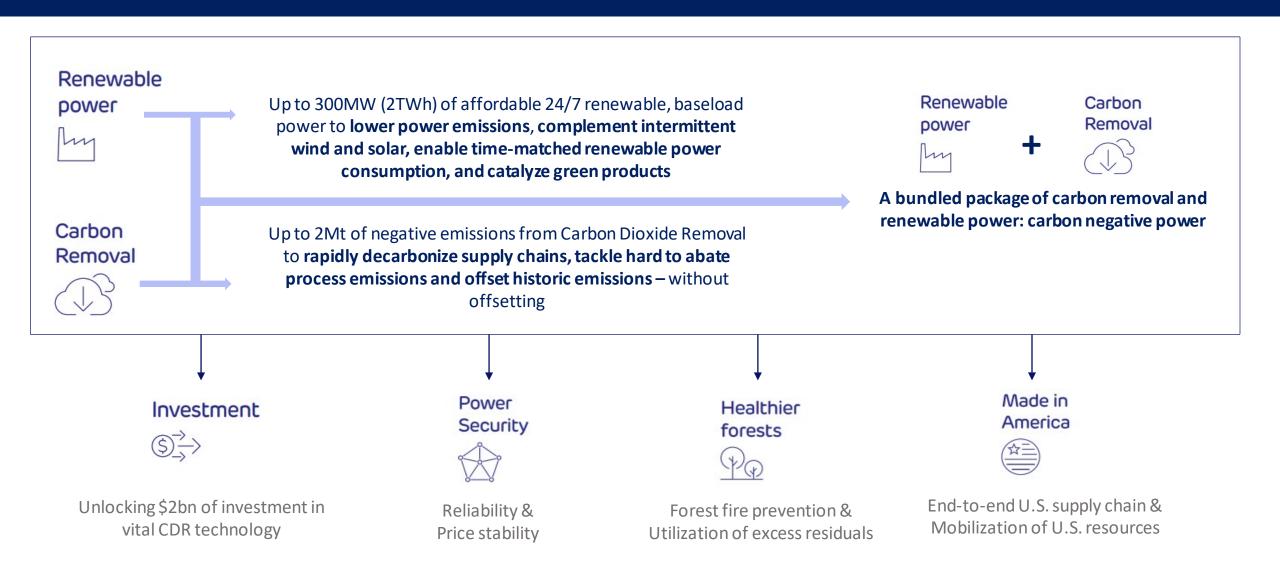






US BECCS: A flexible package of baseload renewable power and carbon removal





thank you