



# HAVE YOUR SAY

Proposals for **carbon capture and storage** at **Ferrybridge 1 and 2**



enfinium is proposing to install **carbon capture and storage (CCS) technology** at its **Ferrybridge 1 and 2 facilities** in **Knottingley, West Yorkshire**.

Installing CCS at these two facilities would capture around 1.3 million tonnes of carbon dioxide (CO<sub>2</sub>) each year by the time both facilities are operational.

THE DEADLINE FOR FEEDBACK IS **11.59 PM ON SUNDAY 20 OCTOBER 2024**

enfinium is targeting decarbonisation in the waste sector by developing five decarbonisation hubs at its facilities across the UK, diverting non-recyclable waste from landfill to generate homegrown energy and doing so in a way that helps to meet net zero targets.

As part of this decarbonisation journey, enfinium is planning to install CCS technology at its two energy from waste facilities at Ferrybridge – Ferrybridge 1 and 2.

## What is CCS and how does it work?

**When non-recyclable waste is burned to generate electricity at facilities such as Ferrybridge 1 and 2, carbon dioxide (CO<sub>2</sub>) is produced.**

CCS is the process of avoiding emissions of this CO<sub>2</sub> and safely storing it so that it can't re-enter the atmosphere.

enfinium is exploring options for how the captured carbon is used, stored and transported. This could include liquefaction facilities that will allow for transportation by rail. Alternatively a pipeline could be developed to take the captured carbon offsite.

## Why is carbon capture important?

**CCS will form a key part of our decarbonisation journey as both a company and a nation.**

As recognised by the Climate Change Committee (CCC), accelerating both reduction and removal of carbon emissions are essential to mitigate the worst impacts of climate change. The CCC has described Carbon Capture, Usage

and Storage (CCUS) as a 'necessity, not an option' for the transition to net zero.

The UK Government aims to capture and store between 20-30 million tonnes of CO<sub>2</sub> per year by 2030 and over 50 million tonnes per year by 2035, as part of its CCS Vision, meaning that Ferrybridge will contribute significantly to the UK's decarbonisation efforts.

## What is the planning process?

**Under the Planning Act (2008), the project has been classed as a Project of National Significance by the Secretary of State and will therefore be determined by the Planning Inspectorate, through a Development Consent Order (DCO) application.**

enfinium is intending to submit its DCO application to the Secretary of State in 2025,

and is currently in its pre-application phase. Proposals are at an early stage, with an environmental impact assessment being conducted to inform the design process.

Construction will be largely self-contained within the site and HGV movements will be managed alongside operational traffic to Ferrybridge 1 and 2.

## At a glance



1.3 million tonnes of CO<sub>2</sub> captured per year



200 jobs created during development



Up to £800 million investment



Operational from 2030



One of the largest carbon capture projects in Europe



UK Government aiming to capture and store 50 million tonnes of CO<sub>2</sub> per year by 2035



# We're seeking your views as part of our consultation running from Monday 16 September 2024 to Sunday 20 October 2024.

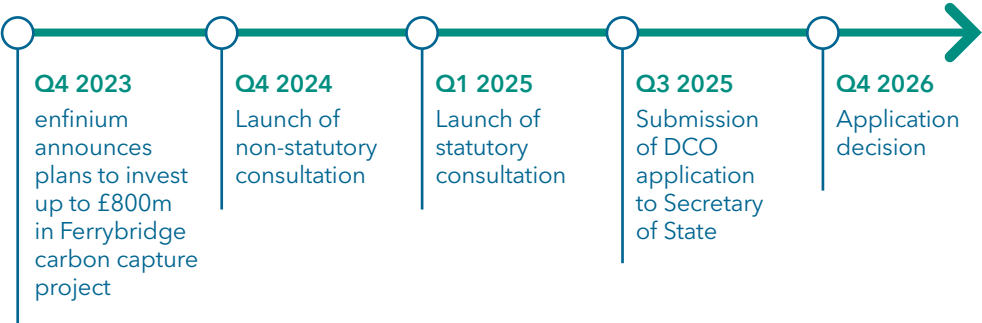


Here's how you can submit your feedback:

- Visiting our website, [enfiniumferrybridge.co.uk](https://enfiniumferrybridge.co.uk), or by scanning the **QR code** on the top right hand side of this page
- Emailing us at [decarbonisation@enfiniumferrybridge.co.uk](mailto:decarbonisation@enfiniumferrybridge.co.uk)
- Writing to us at **freepost enfinium decarbonisation**. It's free and you don't need a stamp

The deadline to submit feedback is at **11.59pm Sunday 20 October 2024**.

## Key dates



Please note: Timeline is indicative only and may be subject to change

### Contact us

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