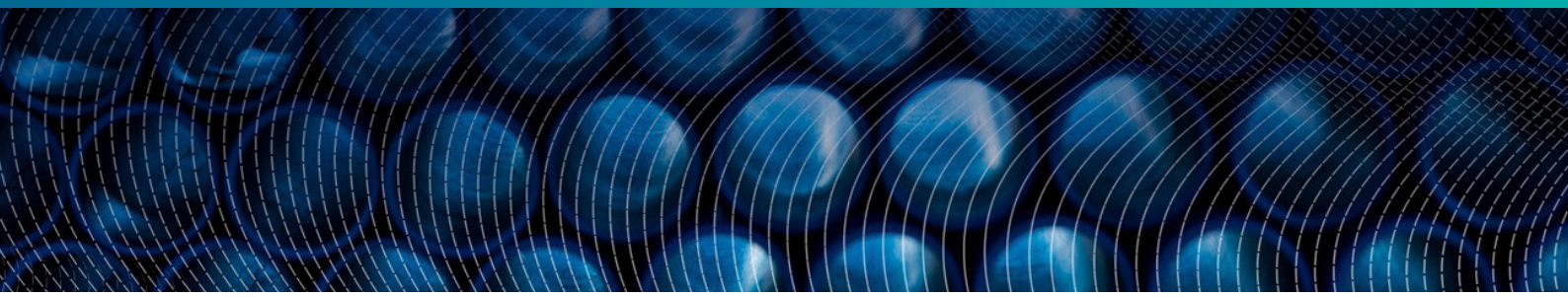
July 2024
E-newsletter

The Solent CO_2 Pipeline Project

Pipeline Corridor Consultation



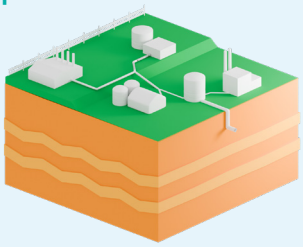
Welcome to our pipeline corridor consultation. We are seeking your views on our proposed corridors for the installation of an underground pipeline to transport carbon dioxide (CO_2) to a safe, secure and permanent storage location in the English Channel. This Project is the linchpin for establishing Carbon Capture Storage (CCS) technology in southern England.

The Solent region is one of the largest and most successful industrial areas of the UK, supporting around 90,000 businesses and a £50bn economy.[1] The Solent industries include our Fawley Manufacturing Complex. These industries produce essential products that we rely on every day. At Fawley, we produce products such as transport fuels, medical rubber products and car tyre linings. These sectors are internationally recognised as hard-to-decarbonise[2], as noted by the UK's Climate Change Committee, who described CCS as a 'necessity, not an option' for the UK's transition to net zero.[3]

The pipeline will be able to transport millions of tonnes of captured CO_2, paving the way for carbon reduction developments at Fawley and across the region. Its planned capacity is equivalent to removing over five million cars off the road each year*.

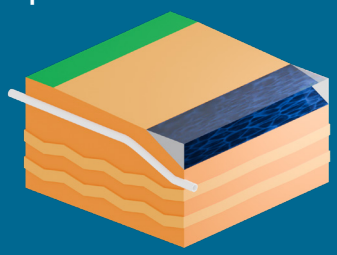
This Pipeline Project

Capture



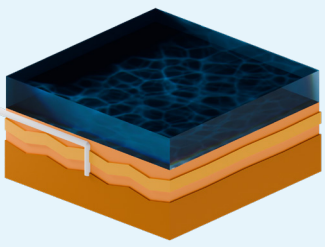
The delivery of other low carbon solutions, both at our site in Fawley and across the Solent region are not part of this Project.

Transport



This Project is seeking permission to install an underground pipeline and all equipment needed to safely operate the pipeline. The permission that the Project is seeking is a Development Consent Order, knowing as a DCO.

Store



The marine section of the pipeline is not a Nationally Significant Infrastructure Project (NSIP) and is separately consented under a Pipeline Works Authorisation. Similarly, CO_2 storage is not part of this Project and is separately consented by the North Sea Transition Authority.

[1]The Solent Cluster (2024). About The Solent Cluster. Helping the UK achieve a Net Zero carbon economy by 2050.
[2]IRENA (2024). Decarbonising hard-to-abate sectors with renewables: Perspectives for the G7, International Renewable Energy Agency, Abu Dhabi, page 3.
[3]Committee on Climate Change (2019). Net Zero, The UK's contribution to stopping global warming, page 23.
*Based on the UK's Government Greenhouse Gas Emissions Factors (2023), for petrol cars.

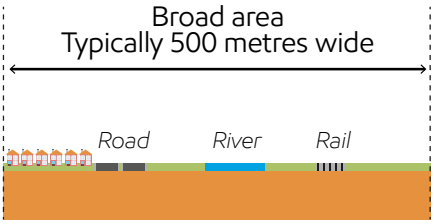
The consultation corridors

We considered many corridor options for the installation of the pipeline. Using our Project objectives and guiding principles, we assessed the relative merits of the options. In applying the guiding principles, we progressed three corridors for this consultation. The proposed corridors all perform well, but in different ways and have different merits. We are seeking your views to help us select a preferred corridor to progress to the next stage – where we develop a typically 50m wide route within the preferred corridor.

We have preliminarily identified two favoured corridors - Isle of Wight North to West, and Isle of Wight North to South. Following our initial assessments, these two corridors currently perform best when measured against our guiding principles. However, we remain open to other options and will consider the outcome of this consultation before confirming a preferred corridor. The Lepe corridor element is part of all the consultation corridors and should be considered together with the descriptions for the Mainland, Isle of Wight North to South and Isle of Wight North to West corridor options. You can see the proposed corridors in the image below.

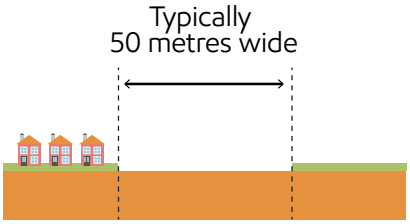
Development phases of the pipeline

Pipeline Corridor



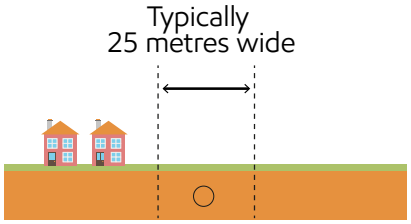
A corridor is an area where one or more routes could be designed. It could vary in size, but is typically 500 metres wide. Corridors can encompass various features such as roads, rivers and railways. Some of these features may fall within the route.

Route



Routes are more specific than corridors; they show where within the corridor we would be installing. Routes can vary in size, but would typically be 50 metres wide.

Easement



Once installation is complete the easement is a single protected path centred on the pipeline that is typically 25 metres wide.

Not to scale

The Solent CO_2 Pipeline Project
Pipeline Corridor Consultation

ExxonMobil

Meet the team and find out more

Please join us at one of our exhibitions taking place between

6 August and 5 September

You'll be able to meet the Project team to raise any questions you may have about the Project.

Event Information

Tuesday 6th August
10:30 – 18:30
East Afton Farmhouse,
Newport Rd, Yarmouth,
Freshwater
PO40 9UF

Wednesday 7th August
10:00 – 17:30
The Pavilion,
Victoria Recreation
Ground Road,
Newport
PO30 5AH

Wednesday 14th August
10:30 – 17:00
Boldre War Memorial Hall,
Pilley St, Lymington
SO41 5QG

Friday 16th August
10:30 – 18:30
Macdonald Elmers
Court Hotel & Resort,
South Baddesley Rd,
Lymington
SO41 5ZB

Wednesday 21st August
12:00 – 20:00
Wilberforce Hall,
North Street, Brighstone,
Newport
PO30 4AX

Thursday 22nd August
10:30 – 17:00
Shalfleet Village Hall,
Church Ln, Shalfleet,
Newport
PO30 4NF

Friday 23rd August
10:30 – 18:30
Phoenix Knights Centre,
Cockleton Ln,
Cowes
PO31 8QE

Saturday 24th August
10:30 – 18:30
Niton Village Hall,
Village Hall, High St,
Niton, Ventnor
PO38 2AT

Friday 30th August
10:30 – 18:30
The Bridge Community Centre,
The Bridge, 9 Sea Rd,
Milford on Sea, Lymington
SO41 0PH

Tuesday 3rd September
10:30 - 18:30
Phoenix Knights Centre,
Cockleton Ln,
Cowes
PO31 8QE

Wednesday 4th September
10:30 – 16:30
Calshot Activity Centre,
Calshot Rd, Calshot,
Southampton
SO45 1BR

Thursday 5th September
10:30 – 18:30
Jubilee Hall, The Square,
Fawley, Southampton
SO45 1DF

The fastest way to respond to this consultation is to complete the response form online.

Our website is the best way to keep up to date on the Project: **www.solentco2pipeline.co.uk**.

If you have more questions, or would like clarification on any aspect of the Project, please feel free to raise them with our Project team, by emailing: **info@solentco2pipeline.co.uk**.

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ExxonMobil

About this Project

The Solent CO_2 Pipeline Project is seeking permission to install an underground pipeline to transport CO_2.

- The pipeline will transport CO_2 to a safe, secure and permanent storage location in the English Channel.
- The pipeline will be able to transport millions of tonnes of captured CO_2 - its planned capacity is equivalent to removing over five million cars off the road each year*.
- The only storage location in the English Channel is the one we hope to use for CCS technology in the Solent region.
- The UK's Climate Change Committee have described CCS as a 'necessity, not an option' for the UK's transition to net zero.[2]

*Based on UK Government data from CO2 Stored - developed by the UK Storage Appraisal Project (UKSAP), commissioned and funded by the Energy Technologies Institute (ETI).

How do I take part?

We welcome your views, ideas and opinions on our corridor proposals.

Learn more about our corridor proposals
www.solentco2pipeline.co.uk

Have your say on the corridor proposals by filling out our response form here:

This is the fastest and easiest way to take part in this consultation.

Scan the code

Alternatively, you can send your consultation response via email to
info@solentco2pipeline.co.uk

This consultation starts on
18 July 2024 and closes at 6pm on 12 September 2024.

If you have any questions about the Project, you can also call us on **07845 608 322.**

For information on our data protection policy, please visit our website.

About Carbon Capture and Storage

Carbon Capture and Storage (CCS) is the process of capturing CO_2 that would otherwise be released into the atmosphere. CO_2 is then transported via a pipeline to an underground storage location. Storage locations are typically deep rock formations which can provide the conditions for safe, secure and permanent storage. CCS is a readily available technology that can reduce emissions at scale from sectors like power generation, shipping and manufacturing.
The process is as follows:

- **CAPTURE:** CO_2 is captured, or separated, from the emissions source.
- **TRANSPORT:** Captured CO_2 is transported to the storage site.
- **STORAGE:** CO_2 is injected deep underground for safe, secure and permanent storage

Due to the length and purpose of the pipeline, this Project is classified as a Nationally Significant Infrastructure Project (NSIP). As such, we require permission known as a Development Consent Order (DCO). The DCO only covers the section of pipeline that is onshore or in inland waters, which includes bays and any crossing of the Solent, if required.

The marine segment of the pipeline is not a NSIP and is separately consented under a Pipeline Works Authorisation. As such, we are only seeking your views on this section of pipeline which is covered by the DCO.