

Immingham Green Energy Terminal (“IGET”) Briefing Note

30 August 2022

Associated British Ports and Air Products

Associated British Ports (“ABP”) is the owner and operator of the Port of Immingham, (the “Port”), which is located on the south bank of the Humber Estuary. ABP are proposing to construct a new liquid bulk terminal on the eastern side of the Port that will fall within the definition of a Nationally Significant Infrastructure Project (“NSIP”) in the Planning Act 2008 and in respect of which ABP is proposing to make an application for a Development Consent Order (“DCO”) to authorise the construction, operation and maintenance of IGET (“the Project”). The DCO, if granted by the Secretary of State, would provide the necessary planning authorisation and any powers that are required to construct and operate the new infrastructure.

Air Products is the world’s largest hydrogen producer in operation for nearly 80 years, more than 60 years in the UK, and will be the first ABP customer proposing to use IGET, as the owner and operator of a green hydrogen production facility to be constructed in association with the new terminal.

Air Products and ABP are entering into an Agreement for Lease (“AFL”) in respect of the proposed development at the Port to facilitate the import of ammonia and its storage and processing to produce green hydrogen.

Proposed Development

The site for the Project, both for the marine infrastructure and the landside facilities, falls on the eastern side of the Port and is shown on the indicative layout plan below (Figure 1). The project would be completed in six phases, the locations of which are also shown in Figure 1.

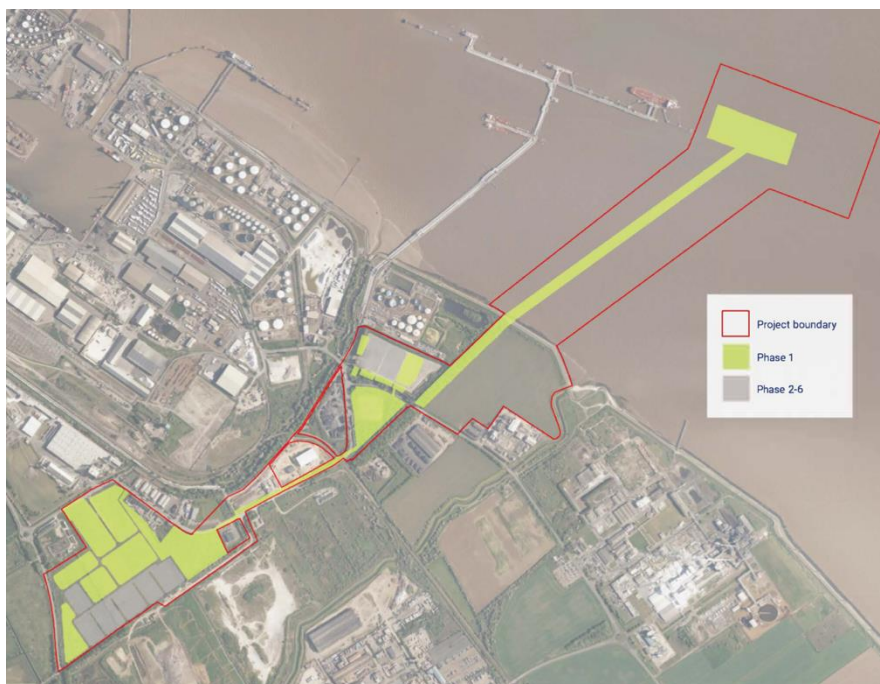


Figure 1: Phased delivery of project components. (For illustrative purposes only)

The proposed development site itself falls entirely within the administrative boundary of North East Lincolnshire although North Lincolnshire Council and other nearby local authorities will also be consulted in respect of the proposed application for development consent.

The Project would directly support the aims of the UK Government’s British energy security strategy, through the production and delivery of green hydrogen across the UK, contributing to decarbonisation of transport and the UK’s journey to net zero, helping to improve Britain’s energy security and supporting the Levelling Up agenda.

In addition, the jetty infrastructure would have the ability to accommodate other future cargoes that would support the transition to net zero. For example, it could support liquefied CO₂ with potential to connect to proposed CO₂ transport infrastructure being developed close to the Port of Immingham, and provide capacity to receive future bulk products and liquefied CO₂ imports and exports to facilitate carbon capture and storage.

The Project new facility at the Port would comprise:

- on the marine side: -
 - new approach trestle and jetty infrastructure;
 - topside infrastructure on the jetty for the import and export of liquid bulks.

- on the landside: -
 - pipework and pipelines required to link the jetty and unit operations
 - refrigerated ammonia storage;
 - hydrogen production units, known as converters. They use the ammonia as feed to produce hydrogen;
 - hydrogen liquefiers to liquefy the hydrogen for temporary storage and road transport;
 - loading bays to fill the road tankers with hydrogen which would then be distributed to hydrogen filling stations throughout the UK.

ABP will endeavour to acquire land rights required for construction and operation of the Project by negotiation, including land required on a temporary basis for construction. If this is not possible, then compulsory acquisition powers will need to be included in the draft DCO.

Project Need

The Project could produce at least 150 MW (with the option to increase if there is demand) of hydrogen production capacity towards the government's UK hydrogen strategy objective of achieving 10 GW of low carbon hydrogen production capacity by 2030.

Together, ABP and Air Products aim to provide essential port infrastructure, capacity and resilience to support the growth of the energy sector within Immingham and the wider Humber Enterprise Zone (the Humber Energy Estuary). The Project responds to existing and emerging markets and customers by focusing development in and around the Port.

Air Products aims to make a significant investment in the UK to deliver green hydrogen, for which the Immingham facility is the anchor project. This new plant could facilitate production of up to 76,000 tonnes of green hydrogen a year, to be used to fuel heavy transport such as buses and HGVs. The proposals would create 1,400 new direct jobs in the North East Lincolnshire area (approximately 650 in sectors such as construction and engineering throughout the build, and a further 750 ongoing jobs in the operation and maintenance of the new Air Products facility). In addition, at least another 1,600 jobs would be created in the supply chain.

When used for the purposes intended, the manufactured hydrogen would eliminate approximately 580,000 tonnes of greenhouse gas emissions each year, the equivalent of taking 20,000 diesel HGVs off our roads.

Indicative Timeframe

The anticipated programme, which is currently in draft and subject to discussion with PINS, is summarised below:

- **Summer 2022:** Submission of Request for a Scoping Opinion
- **Autumn 2022:** Publication of Preliminary Environmental Information Report and commencement of Statutory Consultation
- **Summer 2023:** Submission of DCO application