

crib point pakenham pipeline.



As a result of entering into a Development Agreement with AGL Energy (AGL), APA Group (APA) is undertaking investigations into the construction and operation of a high pressure steel gas transmission pipeline from existing jetty facilities at Crib Point to APA's Victorian Transmission System (VTS) near Pakenham.

This will involve the construction of a buried pipeline approximately 55-60km in length with associated above-ground facilities at each terminal point and along the route of the pipeline. Depending on the final design and specification of the pipeline, the pipeline will have a diameter of 600mm.

The project supports the AGL proposal to import liquefied natural gas (LNG) into Victoria to increase energy security and supply for AGL's customers in south-eastern Australia. The pipeline will facilitate the delivery of imported natural gas to existing markets.

The pipeline will also augment the existing Victorian high pressure gas network to the Mornington Peninsula and areas of Western Gippsland. This creates further opportunities for the supply of gas to residential and industrial growth areas along the pipeline route and the potential for future power generation opportunities across the design life of the pipeline.

This project is subject to a comprehensive program of regulatory approvals and landowner and community consultation, which will assist APA in finalising the pipeline alignment and managing the potential impacts of the construction and operation of the pipeline.

Proposed Pipeline Route

Preliminary studies have identified a preferred preliminary route from Crib Point to a tie in point with APA's Longford to Dandenong Pipeline, near Pakenham. This route will be finalised following consultation with landowners and the undertaking of technical studies and surveys.

A key objective in selecting the proposed route is to ensure the proposed pipeline will have the least practicable impact on landowners, communities and the natural and built environment. A range of guiding factors were considered for this purpose, including co-location with existing linear infrastructure, environmental values, the number of land parcels and landowners along the proposed pipeline route, and current and future land use considerations.

Pipeline Design

The proposed pipeline will be designed and constructed in accordance with the latest version of Australian Standard AS2885 Pipelines Gas and Liquid Petroleum. AS2885 incorporates best-practice standards that the Pipeline's design and operation must satisfy.

Further information:

 **project hotline:** 1800 531 811

 cribpointpakenham@apa.com.au

 apa.com.au

APA Group is Australia's leading energy infrastructure business. We own, manage and operate over 15,000 kms of natural gas pipelines that supply energy to millions of Australians. We also own or have interests in gas storage facilities, gas-fired power stations, wind farms and solar farms.

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Pipeline stats

length	55-60km
material	Epoxy coated high strength steel line pipe
diameter	600mm
burial depth	Generally 1200mm (deeper at crossing of third party infrastructure and waterways)
design principles	Strictly in accordance with the latest version of Australian Standard (AS) AS2885 Pipelines Gas and Liquid Petroleum.
nominal capacity	Approx. 750TJ/day
easement width	Nominally 15 metres (reduced at areas of ecological sensitivity or other constraint)

Project timeline

Initial Stakeholder Engagement

Consultation with regulatory agencies and initial meetings with private and public owners of land

Completion: Q4 2017

Obtaining Land Access for Surveys

Seek agreement for land access and undertaking specialist investigations

Completion: Q1 2018

Agreement of Pipeline Corridor

Seek easement agreements and any required crossing agreements with third parties

Completion: Q4 2018

Completion of Regulatory Approvals

Obtain relevant State and Federal government approvals

Completion: Q2 2019

Pipeline Construction

Construction and commissioning of the pipeline

Completion: Q1 2020

Pipeline Operation

Operate the pipeline for the life of the asset

Once in operation, there will be little disruption to the local environments along the pipeline route.

FAQs

What is AGL's Crib Point Gas Import Jetty project?

AGL is planning a project that will source gas at competitive prices from Australian and international suppliers for their gas customers in south-eastern Australia. The gas would be transported on liquified natural gas (LNG) ships from interstate and overseas, transferred to another ship and converted from liquid form back into gas on that ship and then piped into the existing transportation network.

The ship, known as a floating storage and regasification unit (FSRU), that stores the liquid gas would be moored at the existing jetty at Crib Point. Depending on demand, between 12 to 40 LNG ships per year would moor alongside the FSRU at Crib Point to resupply the FSRU with LNG.

The gas import jetty would be connected by pipeline to an existing gas pipeline in Pakenham.

The use of LNG ships is an efficient way to transport gas, either internationally or from other states in Australia. LNG shipping technology was developed to enable gas to be transported over long distances where pipelines are not economic.

For further information, please visit AGL's project website at: <https://www.agl.com.au/cribpoint>.

When is the pipeline construction and importation of LNG set to occur?

AGL is currently undertaking a feasibility study on the development of a gas import jetty at Crib Point and associated pipeline to Pakenham. A number of key steps need to occur prior to pipeline construction and the importation of LNG. This includes the refinement and finalisation of the pipeline route through detailed technical and environmental investigations and landowner and community consultation. AGL expects to make a final investment decision on the project in mid-2019.

Should APA successfully obtain all regulatory approvals and AGL proceeds with the project the final construction timetable will be developed. The timeline shown is indicative of the likely project development milestones. APA will keep all stakeholders informed throughout the process.

Will the gas from Crib Point be safe to transport?

APA will only transport gas that meets the strict Australian Standard set by industry regulators. The current version of AS2885 includes more than 80 individual standards that must be met in the design, construction and operation of gas transmission pipelines.

Where can I access information about the proposed pipeline route?

On 10 September 2018, APA made referrals to both the State and Commonwealth Governments for a determination as to whether formal assessment under the Environment Effects Act 1978 (Vic) and the Environment Protection and Biodiversity Conservation Act 1999 (Cth). These referrals are available on the websites of the Department of Environment, Land, Water and Planning and Department of the Environment and Energy.

On the same day, APA also made an application for a pipeline licence under the Pipelines Act 2005 (Vic). A pipeline licence is required to construct and operate the proposed pipeline.

The referrals and pipeline licence application are supported by various technical reports and assessments. These are available for reference at www.apa.com.au, along with other project information resources.

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