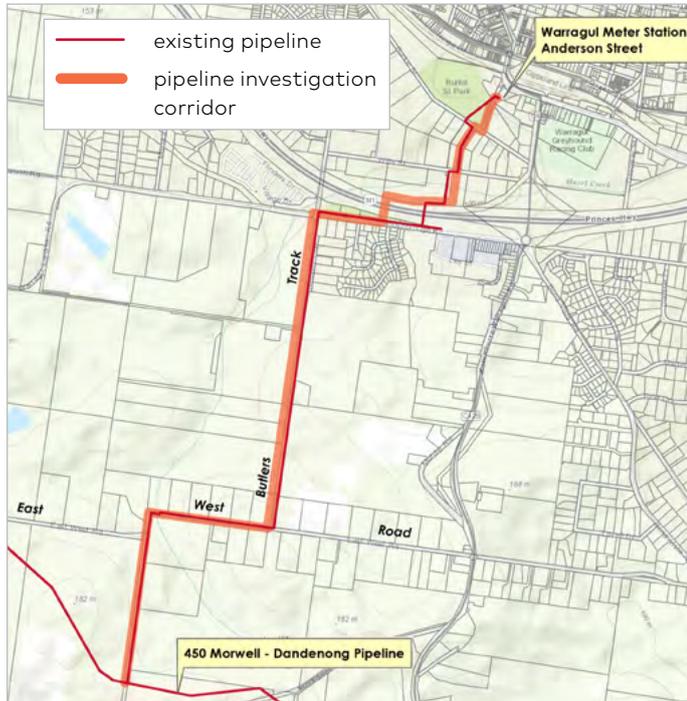


warragul looping project.



In response to a forecasted undersupply of natural gas to the Warragul area by the Australian Energy Market Operator, APA Group (APA) is undertaking investigations into the construction and operation of an additional high pressure steel gas transmission pipeline branching from the existing Morwell to Dandenong pipeline and terminating at APA's existing Warragul City Gate facility at Anderson Street, Warragul.

There is an existing high pressure gas pipeline servicing Warragul running from the Morwell to Dandenong pipeline terminating at the Warragul City Gate facility (referred to as the Warragul Lateral). The Warragul lateral supplies Warragul's distribution network of residential and industrial customers.

The area of investigation for the proposed second pipeline is generally along the same alignment as the existing Warragul lateral. The term for this type of pipeline project is 'Looping'. The project is therefore named the 'Warragul Looping Project'.

This proposal will involve the construction of a buried pipeline approximately 4.8km in length. There will be no additional above-ground facilities beyond some minor work required in the existing City Gate compound at Anderson Street, Warragul. The new pipeline will be 150mm in diameter.

APA has received the revised growth forecast for Warragul which shows increased gas demands forecasted for the next 15 years. The increases are contributed by both residential (new land sub divisions) and industrial gas consumers.

With the forecast gas demand increases, the Warragul lateral needs to be augmented to meet this increased gas demand by winter 2019. Without the new pipeline looping reliability of gas supply to Warragul could not be guaranteed, particularly customers located at the end points of the network.

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 which will predominantly follow the existing pipeline route. There may be some minor deviations (travel along the opposite side of a road for example) and potentially a different crossing point of the Princes Freeway. This route will be finalised following consultation with landowners and the undertaking of technical studies and surveys. These technical studies will include various environmental, cultural heritage, engineering and constructability investigations.

A key objective in selecting the proposed pipeline route is to ensure the pipeline will have the least practicable impact on landholders, communities and the natural and built environment. A range of guiding factors were considered for this purpose, including environmental values, complexity of the terrain, the number of land parcels, landowners / leaseholders 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 the Australian Standard Pipelines – Gas and Liquid Petroleum (AS2885). AS2885 incorporates best-practice standards that the pipeline design, construction and operation must satisfy. It was developed by industry and government working groups and is regularly reviewed to ensure the Australian pipeline industry is at the forefront of ensuring the safety of communities, protection of the environment and security of gas supply.

Further information:

0419 509 907

warragullooping@apa.com.au

apa.com.au

Project stats

length	Approx. 4.8km
material	Epoxy coated high strength steel line pipe
diameter	150mm
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.
easement width	Nominally 20 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: Q1 2018

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: Q2 2018

Completion of Regulatory Approvals

Obtain relevant State and Federal government approvals

Completion: Q3 2018

Pipeline Construction

Construction and commissioning of the pipeline

Commencement: Q4 2018

Completion: Q2 2019

Pipeline Operation

Operate the pipeline for the life of the asset

50+ year design life

FAQs

The proposed alignment traverses a number of different environments. How does the pipeline design respond to these?

Invariably, due to their linear nature, most pipeline projects cross varying environmental conditions. Where the gas enters the pipeline system is typically a remote or rural environment with the end users typically being in heavily urbanised environments. AS 2885 is very clear that the design of the pipeline must respond to the environment it will be in.

The proposed indicative alignment of the new pipeline begins in a rural environment and extends through land identified for future urban development, through an industrial area and a park ending in the Warragul township. Along the alignment are local roads, Princes Freeway, low lying wet areas and Hazel Creek. The pipeline will be physically designed to respond to these differing environments and construction methods allow the pipeline to be located under the Freeway and Hazel Creek with our disturbing the surface of those environments.

Will the gas be safe to transport?

The gas that will be transported through this pipeline will be from the same source as the existing pipeline (they both will be connected to, and source their gas from the Morwell to Dandenong pipeline). This gas meets strict Australian Standards 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.

I think I may be a landholder / leaseholder along the proposed pipeline route. What should I do?

APA will make contact with all landowners and occupiers directly affected by the proposed pipeline route. Should owners and occupiers have any questions or require further information they are encouraged to make contact with our project team by calling us on **0419 509 907** or sending us an email at warragulloping@apa.com.au. If you haven't heard from us and would like to talk to somebody about the project, please contact us on the details on this Infosheet.



0419 509 907



warragulloping@apa.com.au



apa.com.au

