



**GAS IMPORT JETTY AND PIPELINE PROJECT
ENVIRONMENT EFFECTS STATEMENT
INQUIRY AND ADVISORY COMMITTEE**

TECHNICAL NOTE

TECHNICAL NOTE NUMBER: TN 017

DATE: 8 October 2020

LOCATION: Pipeline Works

EES/MAP BOOK REFERENCE: Attachment VII (Map Book), Technical Report L and Chapter 2 (Project Rationale)

SUBJECT: Response to IAC RFI items 123 + 124 - Section 13.3 in relation to pipeline alignment

SUMMARY Information regarding pipeline alignment

REQUEST:

123. Clarify the pipeline route selection process where it bisects properties and where it is proposed to be located within an existing easement.

124. Explain the basis on which the preferred alignment will be resolved and what are the benefits and disbenefits of each of the proposed and alternative alignments .

NOTE:

Route selection – diagonal alignments and co-location

1. The pipeline route selection process, including the environmental, economic and social values considered in the identification of the proposed pipeline route, is described in Section 11 of the pipeline licence application.
2. Where environmental and current and future land use sensitivities are comparable, and the landowner has not identified a preference for the alignment of the pipeline within their property, APA proposes to adopt the shortest route.
3. Adopting the shortest route generally reduces the inherent impacts of pipeline construction, including but not limited to:
 - a. minimises the area of land disturbance during construction
 - b. reduces the duration of construction impacts
 - c. reduces material volumes and associated production impacts (e.g. embodied carbon in pipeline steel)
4. A right-angled boundary alignment may be up to 40% longer than the alternative diagonal alignment.
5. The co-location of the pipeline within or adjacent to existing infrastructure and transport corridors can reduce the duplication of impacts on land use. However, co-location with linear or other infrastructure has certain limitations, including the space available, safety and future use considerations, increased impacts on the general public during construction, government



plans for the area, government preferences on co-location, and landowner preferences. This may make co-location or location in existing infrastructure corridors unfeasible.

6. The pipeline would be co-located within or adjacent to existing infrastructure and transport corridors in a number of areas:
 - a. Within exiting easements/corridors:
 - i. Pipeline easement ~ KP1.9 to KP5
 - ii. Rail corridor ~ KP5.1 to KP8.5
 - iii. Road corridor ~ KP38.9 to KP39.4
 - iv. Road corridor ~ KP55 to KP56.6
 - b. Adjacent to exiting easements/corridors
 - i. Pipeline easement ~ KP9.1 to KP17.5
 - ii. Pipeline easement ~ KP21.3 to KP24.4
 - iii. Pipeline easement ~ KP25.3 to KP29.5
7. Adopting the shortest route within a property or co-locating with existing infrastructure may both result in the proposed alignment 'bisecting' the property.

Resolution of the alignment

8. The preferred alignment will primarily be resolved through land access negotiations with landowners. Where the landowner identifies a reasonable preference for the alignment of the pipeline within their property (e.g. a boundary alignment) and agreement on the terms of the option deed can be reached, APA has adopted that alignment, subject to safety, environmental and technical assessments.

Alignment options

9. Pipeline alignment option BJ-11 (Warringine Park / Reid Parade) (see <https://gasimportprojectvictoria.com.au/environment-effects-statement/information-updates#pipeline-alignment-options>) is proposed at approximately KP5. This option avoids the installation of the pipeline within an area of native vegetation in Warringine Park that is covered by a conservation covenant. It involves construction within land parcels on the north side of Reid Parade that were not previously impacted. There are some native trees on these parcels, but there is expected to be a net reduction in the area of native vegetation impacted. It requires an HDD rig to be located closer to residences on the north side of Reid Parade.
10. All other options shown have been identified through discussions with the relevant landowner, based on their preferences, and are the subject of ongoing negotiation. Option BJ-11 is the only alignment option that involves relocating the pipeline onto property that is not already affected by the proposed pipeline. The land that would be encumbered by the HDD site located in Option BJ-11 is owned by Vic Gas Distribution Co (now known as Australian Gas Networks (Vic) Pty Ltd).

CORRESPONDENCE: N/A

ATTACHMENTS: N/A