

# The Golden Beach Gas Project

## Air Quality

The Golden Beach Gas Project (Project) involves the development of the Golden Beach Gas Field in the Gippsland Basin to provide critical gas supply and storage infrastructure that will materially benefit the Victorian energy market.

Once in operation, the Project will initially increase the domestic gas supply before transitioning to storage operations which will enhance the energy market security and efficiency while supporting Victoria's transition to renewables.

### Environment Effects Statement Process

The Minister for Planning determined that an Environment Effects Statement (EES) is required for the Project under the *Environment Effects Act 1978*. The EES process is underway and is assessing any potential environmental, social, economic and planning impacts of the Project. An EES will be prepared setting out these assessments and our approach to mitigating any impacts.

As part of the EES process, an assessment of the impact of the Project on air quality has been undertaken. GB Energy has prepared this fact sheet to explain the air quality assessment and welcomes any feedback.

### Air quality

Specialists have completed an assessment of the potential air quality impacts associated with the Project.

This study has assessed the key activities expected to produce air pollutants – being the construction activities and the gas compressor station emissions during operation. The study also provides guidance on how to minimise negative impacts. Site surveys and desktop assessments have been used to assess the potential air quality impacts.

### Key findings

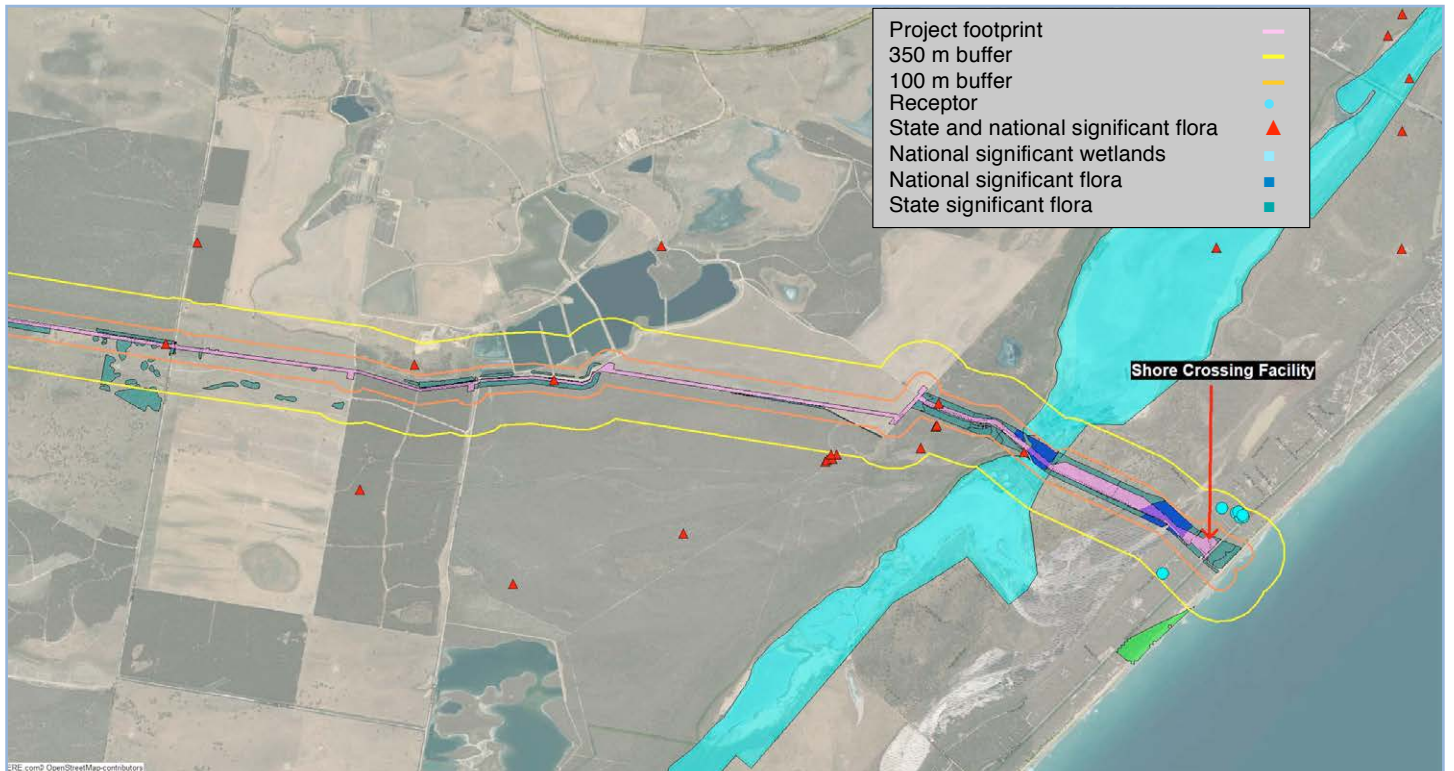
The key findings of the air quality risk assessment include:

- Air emissions from the construction works pose a low risk for dust and human health impacts from earthworks and construction.

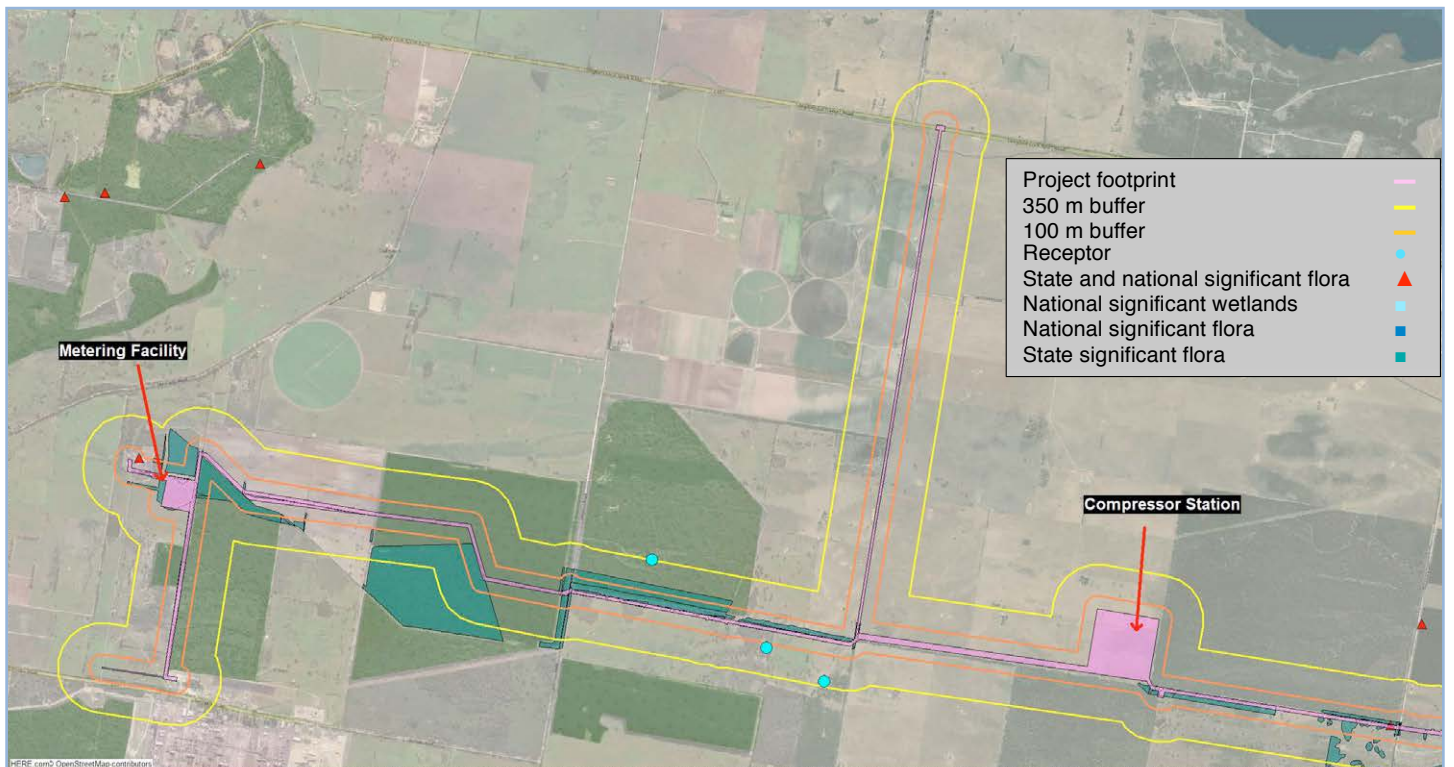
**Refer to figures overleaf** which illustrate the location of any sensitive receptors that may be impacted by construction dust within a 100 metre buffer zone (orange line, 0 receptors) and a 350 metre buffer zone (yellow line, 7 receptors). Proposed mitigation measures will ensure dust suppression through the use of water carts during construction.

- Due to the proximity to Lake Reeve, air emissions from earthworks could pose a risk to ecological receptors. With appropriate implementation of the recommended environmental management measures, including dust suppression, the risk to ecological values will be low.
- During operation, the air modelling assessment for the gas compressor station demonstrates that there is a low risk of air quality impacts to local sensitive receptors in the area. Emissions are also unlikely to have regionally- or state-significant effects on the air environment.





Location of sensitive receptors with 100m and 350m buffers from the pipeline alignment. This captures the length of the pipeline alignment running from the shore crossing facility to land adjacent to the gas compressor station.



Location of sensitive receptors with 100m and 350m buffers from the pipeline alignment. This captures the length of the pipeline alignment running from the gas compressor station to the Golden Beach metering station.