

The Golden Beach Gas Project

Noise and Vibration

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 noise levels, noise pollution and vibration has been undertaken. GB Energy has prepared this fact sheet to explain the noise and vibration assessment and welcomes any feedback.

Noise and Vibration

Specialists have completed a noise level, noise pollution and vibration impact study for the EES to assess the impact the Project may have on noise and vibration levels across the Project area. This study has assessed the level of potential noise and vibration impacts on the broader surrounding area of the Project including potential impacts to local sensitive receptors. The study will provide guidance on how to minimise negative impacts.

The existing noise levels measured were considered to be typical of quiet rural and coastal areas with negligible noise from transportation and industrial sources. Assessment of potential noise and vibration impacts of the Project were undertaken for the construction and operation phases including for the following components:

- Gas compressor station
- Shore crossing facility
- Metering facility
- Onshore pipeline
- Offshore drilling and support vessels.

Key findings

The key findings of the noise and vibration assessment include:

- Noise from most construction works is expected to be adequately managed by the application of standard noise controls and by complying with the Project noise criteria. Offers of respite, temporary relocation and/or individual briefings with the community would be considered where the noise management levels are exceeded.
- No buildings were found to be exposed to vibration high enough to cause structural damage.
- During operation, the risk of residents being exposed to adverse noise impacts from the Project is considered to be low if the mitigation controls are implemented to achieve Recommended Maximum Noise Levels.