



Greenhouse Gas

Environment Effects Statement

An [Environment Effects Statement \(EES\)](#) is Victoria's most rigorous and transparent environmental impact assessment. It describes the project, its rationale, and potential environmental and social effects.

Scoping requirements

In February 2025, the Victorian Minister for Planning issued the final scoping requirements for the VNI West EES, setting out the proposed specific matters to be investigated and documented in the EES. While the scoping requirements are intended to cover all relevant matters, the EES can also address other significant matters that emerge during the EES investigations or through consultation.

Greenhouse gas scoping requirements (related to climate change)

The climate change study considers the project's contribution to greenhouse gas emissions and climate change, and the implications of climate change on the project.

Matters for investigation

Potential for emissions of greenhouse gases to result from the project during its construction and operations, and the implications of these emissions in the context of the targets outlined in the Climate Change Act 2017 (Vic).

Assessment overview

The project's potential contribution to greenhouse gas emissions during construction and operation will be assessed in the EES.

Study methodology

The assessment involves:

- Desktop research into the greenhouse gas emissions generated in and around the entire project area. This includes emissions released during manufacturing and material processing.
- Quantifying the anticipated greenhouse gas emissions (both direct and indirect) during construction and operation in the context of the targets outlined in the *Climate Change Act 2017 (Vic)*.

The assessment methodology follows principles set out in the following documents:

- National Greenhouse and Energy Reporting Act 2007 (Cth) (NGER Act) and the National Greenhouse and Energy Reporting (Measurement) Determination 2008 (Cth) (as amended), Department of Environment and Energy.
- The Greenhouse Gas Protocol (GHG Protocol), the World Business Council for Sustainable Development, and the World Resources Institute.
- ISO 14064-1:2006 Greenhouse gases – Part 1: Specification with guidance at the organisation level for quantification and reporting of greenhouse gas emissions and removals.
- ISO 14067:2018 Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification.
- ISO 14040:2006 Environmental management – Lifecycle assessment.
- PAS2080:2023 – Carbon management in infrastructure.

Scan this QR code to view the complete list of [scoping requirements](#) for the VNI West project





Existing conditions

To support interpretation of the greenhouse gas emissions assessment, the results will be considered in the context of existing and emissions conditions and reported emissions in Victoria. This approach is consistent with previous EES assessments undertaken in Victoria.

In the State and Territory Greenhouse Gas Inventories 2021 (2023), Victoria's total net emissions were 91.33 million tonnes of carbon dioxide equivalent (Mt CO₂-e), with gross emissions of 80.1 Mt CO₂-e.

Next steps

As the project reference design and construction methodology continue to be refined during the EES process, the calculation of greenhouse gas emissions will be updated accordingly and presented in the EES in the context of overall emissions in Victoria.



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