

# Environmental and Technical Studies



EnergyAustralia recognises that the proposed site for the Marulan Gas Fired Power Station is on the traditional Country of the Gundungurra peoples and respects and acknowledges their continued connection to Country and culture.

EnergyAustralia is progressing an Environmental Impact Assessment for the Marulan Gas Fired Power Station (the proposed project) to be ready for submission to NSW Department of Planning, Housing and Infrastructure (DPHI) by late 2026.

The Project has been declared Critical State Significant Infrastructure by the NSW Government and needs to provide a range of technical and environmental studies to inform an approval decision.

Independent experts undertake technical and environmental studies to look at potential project impacts and propose mitigations to manage those impacts effectively.

Studies are undertaken across the project footprint and may involve consent to access private property to ensure the full picture of impacts is understood.

Some studies can take up to 12 months to complete and then there is a process of combining all the insights to consider the whole picture of the project. This is known as the Environmental Impact Assessment.

## Biodiversity

We look at impacts to ecosystems and species. Our experts track flora and fauna over a 12-month period, in all seasons to understand local biodiversity behaviours and populations.

## Aboriginal and Cultural Heritage

We recognise the traditional Country of the Gundungurra peoples and the thousands of years of connection to Country and culture. An assessment helps identify any sacred spaces or artefacts that may be present.

## Fit with existing land suitability and land use

We look at the topography and the way land is used to live, work or play and what influence this proposed project may have on land use.

## Visual

We map the visual impact on surrounding residents and businesses from multiple perspectives and angles of the project.

## Noise

We model how noise during construction and operation will impact people in the surrounding area, testing different scenarios and developing a map of noise overlaid with treatments to manage noise at the source and in the environment.

## Transport

We look at how traffic may change during construction and develop a typical picture for daily traffic movements during operations. This study helps inform road network upgrades and changes.

## Water

We examine surface, lake, groundwater impacts as well as water quality including rainwater tanks.

## Hazards

We model and consider risks like bushfire and flooding, including once in 100-year scenarios.

## Waste

We consider waste created through construction and the life of operations and explore ways to minimise, reuse or recycle waste product from the project.

## Geotechnical

We examine the geological structures and resilience of the proposed project site and alignment.


## Socioeconomic assessment


We work directly with landowners, neighbours, the community, businesses and Traditional Owners to understand how the project may influence community amenity or increase demand on local infrastructure and services.


## Economic and shared benefits

We model the economic benefits from construction and operations and work with the community to develop a way that revenue can be shared with the host community.

### For more information, please contact us on:

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