



THE HAZELWOOD CONVERTER STATION

July 2024



MARINUS
LINK

MARINUS LINK

Marinus Link is a proposed undersea and underground electricity and data interconnector between North West Tasmania and the Latrobe Valley in Victoria.

It will enable the flow of more electricity in both directions, delivering low-cost, reliable and clean energy for customers in the National Electricity Market (NEM).

The project includes high voltage direct current (HVDC) cables, fibre optic cables, a communications station, and converter stations at each end.

The project's cables span 345 kilometres (km). This includes 255 km of undersea cables across Bass Strait and 90 km of underground cables in Gippsland, Victoria.

Marinus Link will be delivered in two stages. Initially as a 750 megawatt (MW) project (Stage 1) with a second 750 MW link to follow at a later date (Stage 2).

Marinus Link is currently in the Design and Approvals phase, with a Final Investment Decision for Stage 1 planned for May 2025.

Marinus Link's 1500 megawatt (MW) capacity is equal to the power supply for 1.5 million Australian homes and approximately three times the capacity of the existing Tasmania to Victoria interconnector, Basslink.

HAZELWOOD CONVERTER STATION OVERVIEW

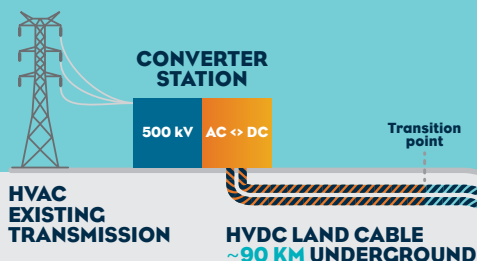
The Victorian converter station will be located next to the Hazelwood terminal station in the Latrobe Valley.

This site was selected as it is close to the existing energy infrastructure within the Latrobe Valley.

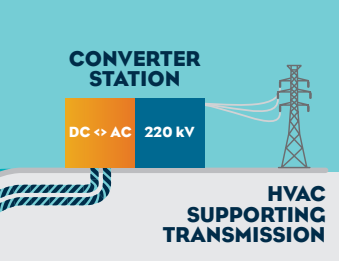
The Hazelwood converter station is a key part of the proposed Marinus Link project. This is because the energy coming to and from Victoria needs to be converted from HVDC to high voltage alternating current (HVAC). Once converted, it can be connected to the NEM through Victoria, or used or stored in Tasmania.



VICTORIA CONNECTS IN THE LATROBE VALLEY



TASMANIA CONNECTS IN THE BURNIE AREA



~255KM HVDC SUBSEA CABLE

WHAT WILL THE HAZELWOOD CONVERTER STATION LOOK LIKE?

The Hazelwood converter station site will be approximately 31 hectares in size. The site will include two large buildings, each housing a converter.

Outside the buildings there will be switch yards, transformers, switchgear and a control building and associated equipment, storm water management and

landscaping. The site will also house temporary laydown areas and parking facilities during construction.

The converter station will be built in two stages, with work starting in 2026.

Once operational the facility will have a small operations and maintenance crew.

PLANNING AND APPROVALS PROCESS

Marinus Link is a complex project which must go through environmental assessments and planning processes.

We produced a combined Environmental Impact Statement/Environment Effects Statement (EIS/EES) and draft Planning Amendment Scheme (PSA) to address the Commonwealth and Victorian components of Marinus Link, including the Hazelwood converter station.

Marinus Link has undertaken studies to inform these documents, as well as to understand potential project impacts and how they should be managed.

The EIS/EES and draft PSA were on public exhibition in mid-2024. During this time, members of the public were invited to read and make submissions on the documents. You can access chapters of the EIS/EES and supporting information on our website – www.marinuslink.com.au/assessment/commonwealth-and-victoria.



Artist's impression of the Hazelwood converter station.

MINIMISING IMPACTS

Noise

As part of planning, we are undertaking a noise assessment to understand impacts during construction and operation of the converter station.

The assessment will consider noise output and methods to reduce noise. This may include the design and positioning of buildings and equipment, or the use of noise insulation and vegetation screening.

Noise modelling undertaken has indicated the converter station is unlikely to generate noise at levels which would be noticeable to nearby residents.

Management approaches:

A construction noise and vibration management plan will be developed.

The plan may include details such as:

- ◇ Noise barriers which could be put in place to reduce noise;
- ◇ Noise monitoring;
- ◇ Possible respite measures for affected residents;
- ◇ Equipment selection in favour of less noise.

Traffic

We will be assessing the traffic impacts of the project and taking measures to minimise the impact of increased traffic during the construction phase, where possible.

Management approaches:

A traffic management plan will be put in place to detail how the project will manage traffic impacts.

Some measures may include:

- ◇ Additional signage;
- ◇ Speed limit reductions;
- ◇ Use of traffic controllers.

Dust

We will be undertaking major earthworks to establish the converter station site. This may result in increased dust levels.

Management approaches:

A construction dust management plan will be implemented to avoid, minimise and mitigate dust emissions.

Some measures may include:

- ◇ Monitoring of dust levels to ensure air quality is compliant;
- ◇ Dust dampening to minimise dust both on site and on access roads;
- ◇ Considering and monitoring seasonal weather patterns that can influence dust levels.

Further information on how we are minimising and managing impacts is documented in the project's EIS/EES - www.marinuslink.com.au/assessment/commonwealth-and-victoria.



FURTHER INFORMATION

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