Tallawarra B Project
fact sheet

Tallawarra power station is on the traditional Country of the Dharawal peoples. EnergyAustralia respects and acknowledges their continued connection to Country, culture and community.

New South Wales requires fast start gas fired generation to balance the energy system and we have responded with the Tallawarra B project. The project is the development of a fast-start open cycle power station, which in peak periods will deliver reliable power to an additional 60,000 New South Wales homes. Its construction will create 250 jobs.

Located on the shores of Lake Illawarra at EnergyAustralia's existing Tallawarra power station, Tallawarra B will be Australia's first peaking power station to be powered by a blend of gas and green hydrogen with direct emissions offset.

The Tallawarra B project will be ready for the summer of 2023-24, around the time of the scheduled retirement of the Liddell power station.

With its fast-start flexible capacity, the Tallawarra B project will play a vital role in maintaining system security, complementing renewables coming into the system, and providing reliable power to customers in New South Wales.

The Tallawarra B project sets a new benchmark for how gas generators can be consistent with the NSW Government's plan to be net zero by 2050 by using green hydrogen and offsetting residual emissions.

Matt Kean MP, Minister for Energy and Environment

Above: EnergyAustralia's existing Tallawarra power station. Shaded area indicative of the Tallawarra B project location.

Gas plant with 5% green hydrogen blend from 2025

Direct* CO_2 emissions offset over operational life

316 MW
proposed capability

60,000
Additional homes powered in peak period

Located in Yallah, NSW

250
jobs during construction

2022
construction commenced in February 2022

2023
ready for summer of 2023-24

*Relates to Scope 1 emissions

EnergyAustralia
LIGHT THE WAY

Building a new power station

The Tallawarra B project will expand the existing Tallawarra 132kV switching station and associated transmission line works. This work also extends to a new connection agreement, upgrading common site services and facilities, and transforming Tallawarra power station into a two-unit site to support New South Wales with improved energy security, reliability and flexibility options.

Toward a cleaner energy blend

The project will be gas fired and designed to operate with a five per cent volume of green hydrogen from 2025. EnergyAustralia will investigate the potential to increase the percentage of green hydrogen in the fuel mix over time.

Next steps

We are committed to undertaking all activities of the Tallawarra B project in a manner that minimises pollution, environmental and cultural impacts, and complies with relevant legislation, industry standards and codes of practice.

Construction is well underway and the project will be completed and ready in time for the summer of 2023. A modification application is also underway to seek approval for the introduction of green hydrogen to blend into the fuel mix, and to build associated infrastructure.

Serving the region for more than a decade

EnergyAustralia's existing combined cycle Tallawarra power station has been in operation since early 2009. It's one of Australia's most thermally efficient, large-scale gas-fired power stations, with a generation capacity of 435 MW – which is enough power to supply up to 200,000 homes.

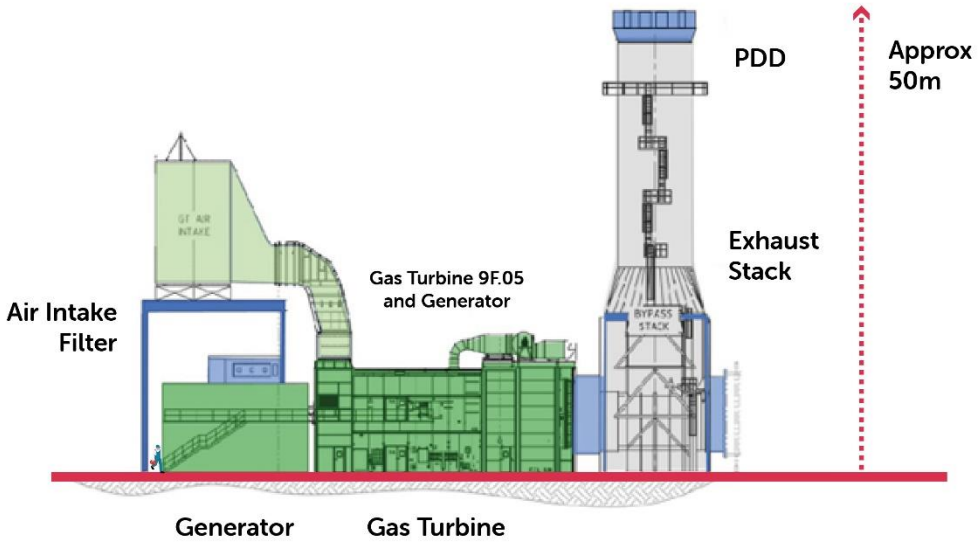
The site employs around 35 people, and each year contributes in-kind and financial support through its community grants and workplace giving program where employees can make pre-tax donations to local charities. When major maintenance is undertaken, EnergyAustralia has a standing commitment to hire and procure locally.

About EnergyAustralia

EnergyAustralia is a leading energy retailer and generator serving 1.6 million customers across eastern Australia. We supply energy to our residential and business customers from a modern energy portfolio, underpinned by coal and gas power plants, as well as renewable energy sources and utility-scale electricity storage.

We operate Australia's largest energy sector carbon offsets program, with more than 5 million tonnes of CO_2e already fully offset and accredited by Climate Active. Under our offsets offering, more than 500,000 of our customers receive carbon neutral electricity and gas at no extra cost.

Right:
An elevation drawing of the Tallawarra B project. The project will be Australia's first peaking power station to be powered by a blend of gas and green hydrogen with direct emissions offset.



Find more information at: www.energyaustralia.com.au/TallawarraBproject
Contact the Community Relations Team at: Tallawarra.Community@energyaustralia.com.au

Acknowledgment: EnergyAustralia acknowledges the support of the NSW Government for the Tallawarra B Power Station Project.