

Date: 4 May 2021

TALLAWARRA B POWER STATION - GIVEN THE GREEN LIGHT

Energy Australia with \$83million in funding support from the NSW Government has given the green light to constructing the Tallawarra B Power Station, see attached NSW Government Media Release.

The 300MW open gas cycle gas turbine power plant will be hydrogen capable at a low 5 percent blend level initially.

With initial hydrogen offtake estimated at 200,000kg annually, this decision to construct Tallawarra B represents an important milestone for the continued development of the Port Kembla Hydrogen Hub.



**ENERGY AUSTRALIA
TALLAWARRA POWER STATION**

**ENERGY AUSTRALIA TALLAWARRA
A+B POWER STATIONS**

OWNER: Energy Australia

DESCRIPTION: Construction of a new gas fired power station to be known as Tallawarra B. Gas turbine will be blended hydrogen capable.

STATUS: Existing Tallawarra A was commissioned in 2009. Tallawarra B – Given green light in May 2021, two year build program, 250 jobs during construction phase.

TYPE: Tallawarra A - combined cycle gas turbine, Tallawarra B - open cycle gas turbine.

CAPACITY: 435MW existing + 300MW planned giving 735MW of generating capacity on completion.

INVESTMENT: Tallawarra A - \$400 million + \$300m estimate for Tallawarra B.

LOCATION: Wollongong LGA

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Image: Tallawarra A Power Station and existing water and site for Tallawarra B Power, yellow shaded area.

Energy Australia Media Release

<https://www.energyaustralia.com.au/about-us/media/news/energyaustralia-gives-green-light-australias-first-net-zero-emissions>

EnergyAustralia gives green light to Australia's first net zero emissions, hydrogen/gas power plant

May 4, 2021

EnergyAustralia's 300+ megawatt Tallawarra B power station will be powering New South Wales homes and businesses in time for summer following Liddell's retirement

The peaking power station will be capable of using a blend of green hydrogen and natural gas, with the plant's greenhouse gas emissions to be fully offset over its operational life

The new power station will deliver reliable power to around 150,000 homes¹, contribute \$300 million to the economy and create 250 well-paid jobs during construction.

EnergyAustralia is delighted to announce that the expansion of its existing Tallawarra power station in the Illawarra region is proceeding, following an agreement reached with the Government of New South Wales.

Managing Director, Catherine Tanna, said Tallawarra B will be Australia's first net zero emissions hydrogen and gas capable power plant, with direct carbon emissions from the project offset over its operational life. EnergyAustralia will offer to buy 200,000kg of green hydrogen per year from 2025.

"We thank the New South Wales Government for its support for Tallawarra B. It means the station will be operating in time for the summer of 2023-24, following the closure of the Liddell power station, and it will help to kick start the green hydrogen industry," said Ms Tanna.

"We are leading the sector by building the first net zero emissions hydrogen and gas capable power plant in New South Wales," she said.

"What's particularly exciting is that further engineering studies will see if the amount of green hydrogen can increase, which will further support the Port Kembla Hydrogen Hub."

Ms Tanna said Tallawarra B will provide New South Wales with improved energy security, reliability and flexibility options.

"Our new open-cycle, hydrogen and gas capable turbine will provide firm capacity on a continuous basis and paves the way for additional cleaner energy sources to enter the system.

"EnergyAustralia has a goal of being carbon neutral by 2050. Today we provide further evidence of another energy project that can help keep the lights on for customers with reliable, affordable, and cleaner energy."

Minister for Energy, Matt Kean, said: "This project sets a new benchmark for how gas generators can be consistent with NSW's plan to be net zero by 2050 by using green hydrogen and offsetting residual emissions."

¹Based on a POE10 demand of 1.97kW for EnergyAustralia's portfolio of NSW residential customers at 300MW of generation

Regards

Nigel McKinnon

Deputy Director, Illawarra-Shoalhaven

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