

Gas-Powered Generation

Yallourn Energy Security Precinct

EnergyAustralia recognises that the Yallourn Energy Security Precinct is proposed on the traditional lands of the Brayakaulung people of the Gunaikurnai nation. We recognise their continued connection to land, waterways and community and we pay our respects to Elders past and present.

Summary

- EnergyAustralia is proposing to build a new 300MW gas-powered generation facility at the Yallourn Energy Security Precinct to support grid stability.
- Gas generation provides fast, reliable backup power to complement renewable energy and maintain a stable grid.

The Yallourn site's retirement in mid-2028 creates an opportunity to bring new development to the Latrobe Valley. EnergyAustralia is investigating a range of proposals at the site under the Yallourn Energy Security Precinct (YESP), including attracting data centre operators, utility-scale battery storage and gas-powered generation. These proposals would make use of the site's existing grid connections, gas pipelines and skilled local workforce. As part of the Precinct, EnergyAustralia is proposing to build a new gas fired power station with up to 300MW of generation. This project may create up to 300 jobs during construction and represents a multi-billion investment in the local economy.

What does gas-powered generation do?

Gas-powered generation is a practical, transitional tool to help Australia bridge the gap to a more sustainable energy mix. Australia needs flexible, fast-responding electricity generation to back up renewables and maintain grid stability during periods of supply stress.

What are the advantages of gas-powered generation?

A reliable backup when it's needed most – Gas generation can be switched on quickly when electricity demand rises or when there isn't enough solar or wind power available, such as on still, cloudy days or at night. Having that backup helps make sure homes and businesses have power when they need it.

Supporting industry and busy periods – Some businesses and industrial operations need a steady, reliable supply of power that can scale up quickly. Gas generation can meet that need, particularly during periods of high demand like hot summer evenings, without requiring major new infrastructure.

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Does EnergyAustralia already use gas-powered generation?

Yes. EnergyAustralia operates numerous gas-powered generators in NSW, Victoria, and SA. This includes the Jeeralang Power Station at Hazelwood North, and our Tallawarra Power Station near Wollongong in NSW. The proposed gas-powered generation facility as part of YESP would have a similar design to our Tallawarra B Power Station, pictured on the left below.



Next steps

EnergyAustralia will lodge planning applications with the Victorian Government to develop a number of projects across the Precinct, including the new 300MW gas fired power station, in Quarter 3, 2026. EnergyAustralia will continue consultation with key stakeholders such as Latrobe City Council and the Gunaikurnai Land and Waters Aboriginal Corporation (GLaWAC) to ensure we have Traditional Owner input and respect Country and culture. We will continue to engage with members of the community about the Yallourn Energy Security Precinct project. We understand that any project we pursue must be good for the community.

Need more information?

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