December 2025

Kingswood Battery Energy Storage System (BESS) Factsheet

About Iberdrola Australia

We are a long-term developer, owner, and operator of renewable energy generation and storage projects. We are committed to being the leading green energy provider to Australian businesses.

Over the past 20+ years, our team at Iberdrola Australia has worked together with the communities that host our projects and developed longstanding relationships.

Iberdrola Australia has operated BESS in Australia for over 5 years and has on-the-ground expertise in ensuring the safety of these systems through ongoing maintenance and inspections.

Project Overview

Iberdrola Australia is proposing to develop, construct, own and operate a Battery Energy Storage System at Kingswood. The Kingswood Battery would enable renewable energy to be reliably provided to consumers across NSW when they need it most.

This site was selected based on its proximity to the Tamworth substation, to minimise any impact on the community, existing infrastructure, and environment.

- **Location:** 744 Burgmanns Lane, Kingswood (6km south of Tamworth)
- **Capacity:** Up to 270 MW supplying up to 1,080 Megawatt-hours (MWh) of battery storage capacity
- **Powering:** 65,000 homes
- **Area:** 8 hectare (20% of the total site)
- **Connection to:** Tamworth substation via new 330kV overhead/underground cable
- **Transmission line:** a relatively short 1,500 metres of transmission line will be required.

Please see page two for a map of the Kingswood Battery proposed site

Development update

We are in the late stages of planning and development for the Kingswood Battery project. We have completed detailed social, environmental, and technical assessments to feed into the Environmental Impact Statement. We also undertook geotechnical investigations and technical studies to further inform our design.

Next steps (pending approval):

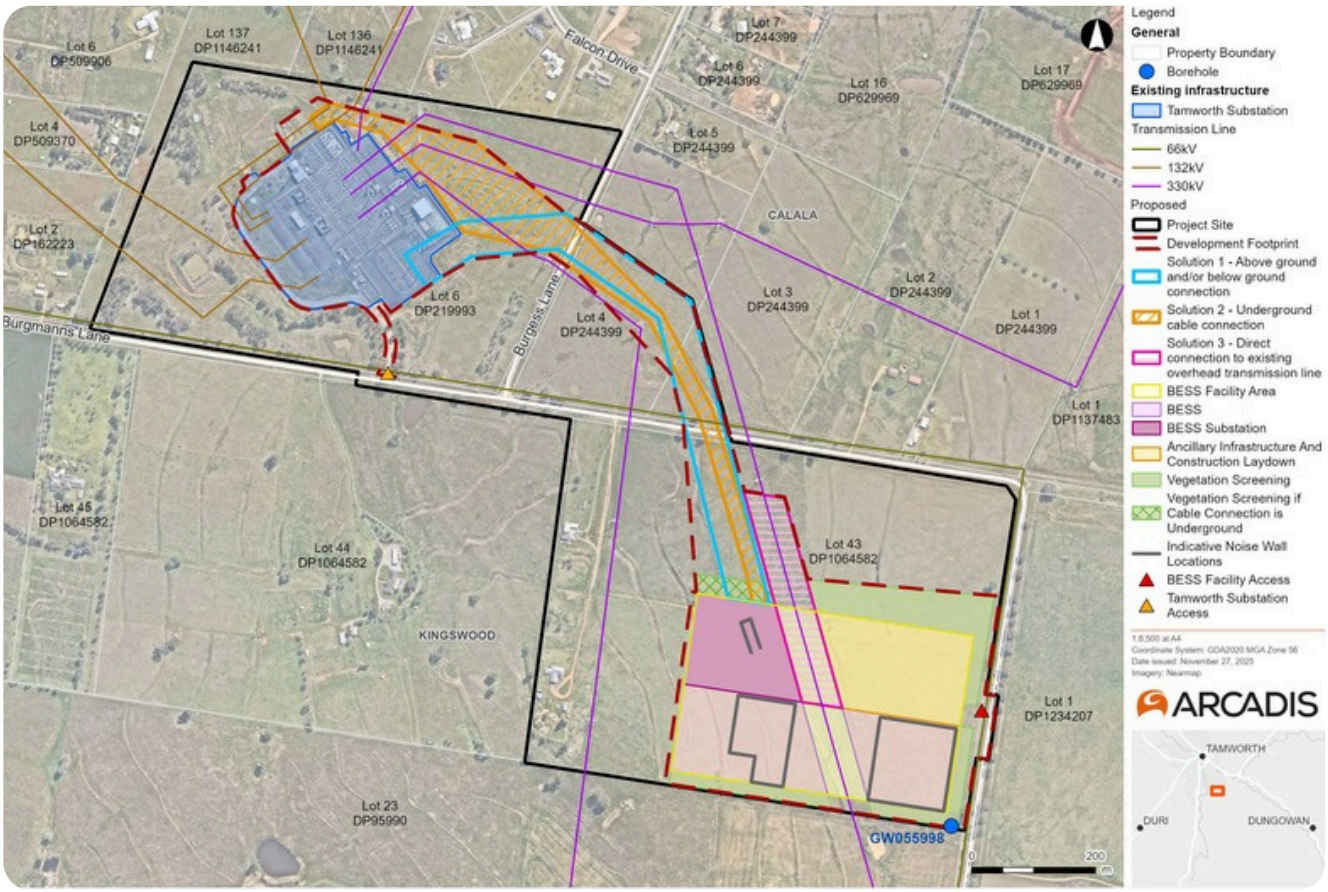
- Early 2026: Expressions of Interest would be sought from suppliers
- Late 2026: Construction would commence
- Ongoing engagement with the transmission network service provider and key stakeholders
- Ongoing engagement with our neighbours and the community throughout construction and operation.

www.iberdrola.com.au

Email the Project Team:
kingswoodbattery@iberdrola.com.au

Call the Project Team:
1800 917 372 or 0448 293 899

Kingswood Battery proposed site



What is a BESS?

BESS (Battery Energy Storage System) connects to the national electricity grid and charges, stores, and releases energy when it's needed most.

It stores excess electricity when generation supply is high. An example is when there is surplus rooftop solar generation and demand is low, then the BESS discharges that energy back into the grid during peak demand periods.
This flexibility also helps to reduce price spikes in the electricity market, contributes to lower overall power costs for consumers and maintains grid stability, reducing the risk of blackouts.

The lifespan of a BESS is typically 20 years. At the end of its operational life, we take full responsibility for safely decommissioning the system and restoring the site to its original condition, reflecting our commitment to the environment.

Why do we need a BESS?

As ageing coal-fired power stations in NSW reach their end of life, more renewable generation and storage, like batteries, will be required. The proposed Kingswood battery will make better use of excess solar energy that would otherwise be wasted. It will also create jobs and apprenticeships for local people, and support local small businesses. Importantly it will improve the reliability of our electricity supply and help prevent blackouts.

Battery safety

A number of safeguards will be applied in the design and operational phases to ensure all safety risks are addressed and effectively managed, with special consideration to fire and bushfire safety.

Safety considerations

Battery container is rated IP66: to withstand high water pressure and is UL 9540A certified to ensure fires do not spread within the BESS.

Monitoring system: containers are monitored 24/7, 365 days of the year through internal control systems. Thermal cameras will also be installed to monitor the site for any irregularities. There will be a dedicated site supervisor during business hours, with 24/7 monitoring and rapid dispatch at all other times.

Separation distances: container separation distances to reduce the risk of BESS fire spread between BESS units.

Bushfire Asset Protection Zones: Asset Protection Zones will be incorporated to ensure if a bushfire occurs, it has a low risk of reaching the BESS.

Water storage on site: The project will have a minimum 20kL of water stored on site for use by local emergency services.

Bushfire Management Plan: A series of management plans, including a Bushfire Emergency Management Plan will be developed and in place before construction and operation can commence.

Site familiarisation training: Iberdrola Australia will conduct regular site visits throughout construction and operations with local fire and emergency services to ensure they are appropriately briefed on the emergency response procedures for the site.

Fire self-suppression system: in the event of a fire, no water is to be put on the BESS. The units contain self-suppression systems to effectively burn out the fire from within.

Lithium phosphate inside the BESS is in a solid state: the only liquid within the BESS is coolant, which is completely contained. The container design has a protection mechanism in the form of a basin to ensure the coolant, if leaked, is fully contained within the unit.

The project will harden the areas under the BESS: any water run off from the BESS area will be directed into an on-site detention basin. This basin will be lined to prevent leakage and be fitted with an electronically controlled valve. If there is a suspected contamination event, the valve will be closed therefore preventing discharge into the environment. This will enable testing to be conducted and, if required, disposal or treatment.

Indicative Timeline

Ongoing Community & Stakeholder Engagement

Scoping Phase
- Preliminary social and environmental assessment studies

Planning & Approvals
- Refinement of plans & preparation of assessments and studies
- Submission, public exhibition & determination of Development Approval

We are here

Pre-Construction
- Iberdrola Australia prepares for construction by finalising designs, securing contracts and arranging logistics.

Construction
- If approved, construction takes place and the project is commissioned

BESS Operations
- Iberdrola Australia operates the BESS.

Decommissioning

Community Benefits

We aim to foster lasting relationships with community organisations by funding local initiatives and organisations.

Iberdrola Australia is committed to delivering meaningful benefits that strengthen local connections, enhance infrastructure, and support education and biodiversity.

As part of the Kingswood Battery project, Iberdrola Australia is planning to establish a Community Benefit Fund for the life of the project.

In addition to the fund, Iberdrola Australia is presently seeking to engage with local organisations interested in applying for community grants. For more information, please get in touch.

If you have a suggestion for a community grant, please email the project team at kingswoodbattery@iberdrola.com.au

Contact Us

If you have any questions, feedback, local knowledge or suggestions, please reach out via the contact details below.

Visit our website:
www.iberdrola.com.au

kingswoodbattery@iberdrola.com.au

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Acknowledgement of Country

Iberdrola Australia acknowledges the Traditional Owners, the Kamilaroi/Gomeroi People, and their continuing values, culture and connection to land, waters and sky. We pay our respects to Elders past and present.