Kingswell Energy Park

Community Update

Edition 1 – April 2026

Pacific Green is planning a grid-scale battery energy storage system (BESS) at Ellesmere Road, Ellesmere in Queensland's South Burnett Regional Council area. The Kingswell Energy Park is located 240km northwest of Brisbane in the Southern Burnett Regional Council. The nearest towns are Kingaroy, Dalby and Toowoomba.

The project is strategically sited adjacent to Powerlink Queensland's existing Halys Substation, a critical hub for the regional energy network. The location ensures our BESS will be most effective at storing and releasing electricity when consumers most need it and the proximity to the substation means reduced impacts on our surrounding neighbours (less underground cables to connect the BESS to the substation and visual impacts will be minimal).

We are currently in the early stages of project planning with technical environmental studies underway to assess the proposal. As part of this process, we are ready to engage with the community to introduce ourselves and the project, and to receive your feedback to guide the planning and development of the Kingswell Energy Park.

Project snapshot

- **Size:** 500MW
- **Storage duration:** 4 hours
- **Capacity:** 2,000MWh
- **Project status:** Early-stage development and technical studies
- **Construction period:** Approximately 24 months from late 2027
- **Operational date:** Expected late 2029

What is a BESS

A BESS is battery energy storage system which stores energy during periods of low demand or high renewable generation and discharges stored energy during peak demand or emergency events. A BESS acts as an essential buffer, instantly balancing the variable nature of electricity supply with demand to ensure a stable, continuous, and resilient power supply. By bridging the supply demand gap, the Kingswell Energy Park will support a stable, flexible electricity system and help make energy supply more secure for Queensland households and businesses.

About Pacific Green

We are a global leader in energy infrastructure with an experienced team of professionals across Australia. We are focused on delivering clean energy solutions that benefit local communities. Rather than using off-the-shelf solutions, we partner directly with manufacturers to develop tailored technologies that ensure reliable equipment delivery and best suit the requirements of the project site and the local area.

Pacific Green is committed to collaborating with the local community as we realise the Kingswell Energy Park. This project supports community resilience by stabilising the power grid and storing power for use when it is most needed, as well as paving the way for a sustainable and resilient energy future in Queensland.

Project timeline

Following recent regulatory reforms in Queensland, the project will be assessed by the State Assessment and Referral Agency (SARA) against State Code 27 – Battery storage facility development. Pacific Green is working toward a formal project lodgement by mid 2026.

From April 2026: Community and stakeholder engagement and technical studies

Late 2027: Construction commencement

2026 — **2027** — **2029**

Early 2026: Site selection and preliminary feasibility

Mid 2026: SARA Development Application lodgement

2029: Commercial operations begin

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Environmental, economic and social studies

Developing a BESS involves detailed studies and risk assessments. Pacific Green has engaged independent specialists to complete a comprehensive suite of studies, plans and agreements to ensure the project meets all statutory requirements and minimises impacts on the community. These studies include:

- Agricultural impact assessment
- Social Impact Assessment (SIA)
- Ecology and Biodiversity
- Traffic, Noise and Vibration
- Cultural Heritage
- Fire Risk and Hazard Assessment

These studies not only help us to better understand and confirm the suitability of the site and the proposal, but also how the project could affect and benefit the local community over its lifetime.

Community benefits

Pacific Green is committed to delivering a project that leaves a meaningful legacy. The economic and community benefits of the Kingswell Energy Park include:

Local jobs: Creation of up to 100 jobs during construction and 2 ongoing roles during operations.

Economic boost: Increased demand for regional contractors, hospitality, and services.

Community Benefit Agreement (CBA): We are developing a framework to provide tangible, place-based benefits in alignment with South Burnett Regional Council priorities. Our approach is to work with Council to develop a streamed model which focuses on legacy outcomes for both large-scale infrastructure and grassroots community initiatives. We will be seeking feedback from the community and local stakeholders on what you would like to see these community benefits support.

Have your say

We value your feedback and invite you to help shape the project:

Meet the team: Visit our stall at the Kingaroy Show (May 2–3) to view project maps and ask questions.

Community survey: Share your views — survey closes May 15. Scan the QR code, email to request a hard copy, or find us at the Show.

Stay Updated: Register for updates via our website.

Fire, water and noise management

Fire management: Safety takes precedence in everything we do. The BESS is designed with multiple layers of protection, including fire-resistant containers, heat sensors, and automatic shutdown systems. We will work with the Queensland Fire and Emergency Services to develop a detailed Emergency Management Plan.

Noise management: During normal operation, the BESS produces a low, steady sound from cooling fans, similar to a household air-conditioner. Independent acoustic assessments are being conducted to ensure compliance with Queensland regulations and to minimise impacts on the nearest residences.

Water use: A BESS requires minimal water during construction for basic dust suppression and site services, and virtually no water during operation beyond occasional cleaning or landscape maintenance, as the battery units utilise self-contained cooling systems. The minimal water required would be sourced from commercial suppliers of treated wastewater in the nearby region, town water or from underground licenced bores within the site or nearby.

Key project components

The Kingswell Energy Park will feature built-in safety and efficiency measures with a development footprint of approximately 10 to 15 hectares on the 20-hectare site.

Key infrastructure includes:

Battery units: Containerised lithium-ion batteries with integrated cooling ventilation and fire suppression

Battery Management System (BMS): Continuously monitors the system to ensure safe operation

Inverters and transformers: Converting and adjusting voltage for delivery to the grid

Transmission line: An underground connection to the nearby Halys Substation.

Site facilities: Operations and maintenance buildings, firewater storage, and internal access tracks

Contact Information:

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Pacific Green recognises the Traditional Owners of the lands, the Wakka Wakka people, and pays respects to their Elders past, present, and emerging.