



Greenbank Battery Project Update

Dear valued Greenbank community member,

Greenbank Battery

CS Energy is developing a large-scale battery at the Powerlink substation site on Pub Lane in Greenbank to deliver cleaner and more reliable energy for Queenslanders. The Greenbank Battery will have a generating output of 200 megawatt (MW) and a discharge capacity of 400 megawatt hours (MWh) and be able to power up to 66,000 homes for two hours in the evening peak before needing to recharge.

Batteries will play a critical role in the energy transformation and are an ideal partner for renewables because they can store excess energy produced during sunny or windy periods so that it can be used later when it is needed the most.

The Greenbank Battery will also provide a range of system support services to Powerlink's electricity transmission network. Because the battery will be able to ramp up and down quickly, it will be able to rapidly respond when there is a sudden gap in electricity supply in the grid, supporting system security and reliability.

Safety is CS Energy's first priority in everything that we do. The Tesla Megapack 2XL units that will be installed at Greenbank are one of the safest battery storage products of their kind. The batteries undergo extensive fire testing and include integrated safety systems specialised monitoring software and 24/7 support.

The Greenbank Battery is CS Energy's second battery project, and we are again working with Tesla because we believe they set the industry benchmark for energy storage product design and safety.

Milestones achieved

CS Energy contractors have made significant progress on the project, successfully installing several key components that are vital to the battery system's operation. These installations include the megapacks, transformers, switch room, and control room, each of which plays a critical role in ensuring the system operates effectively.

Since construction began, the team has dedicated over 33,000 hours to the project. A notable achievement during this period has been the delivery and installation of 108 Tesla Megapacks, each weighing an impressive 38 tonnes.

These units were transported to the site over a three-month period, requiring meticulous planning and coordination. Each megapack was then carefully craned into place.

Powerlink has successfully completed the installation and site testing of its transformer, facilitating the connection of the Greenbank Battery to the grid.

Upcoming work

CS Energy contractors are scheduled to install the acoustic barrier before Christmas. The acoustic barrier is an innovative wall designed to surround the battery perimeter and reduce noise levels. Once this installation is complete, CS Energy will undertake comprehensive testing, pre-commissioning assessments, and final commissioning activities.

In addition, CS Energy will implement a thorough and robust operational readiness program that will cover various aspects such as employee training, critical risk assessments, and thorough safety and design reviews.

Community information drop in session

CS Energy is hosting a community information session on Thursday 7 November at the Greenbank Community Centre.

Members from the CS Energy project team, along with representatives from Powerlink and Tesla, will be in attendance to answer your questions about the Greenbank Battery.

The drop-in session will be held in the Currong Room at the Greenbank Community Centre, 145 Teviot Road, Greenbank, from 4-7pm Thursday 7 November 2024.

There is no presentation - simply drop in when it suits you.

Further information

Visit our website [Greenbank Battery - CS Energy](#) for more information about the Greenbank Battery, including Frequently Asked Questions.

We will continue to provide updates via this e-newsletter so please encourage your family, friends and neighbours to sign up via this [subscription form](#).

Please feel free to reach out directly if you have any questions about the project.

Kind Regards,
Britt Herbert
Community Engagement Advisor – CS Energy



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