

Introducing Cullen Bullen Battery

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SQUADRON
ENERGY

Squadron Energy is investigating a large-scale battery energy storage system (BESS) at 'Hillcroft', 141 Red Springs Road, Cullen Bullen, and we would like to update you on our early plans.

Who is Squadron Energy?

Squadron Energy is a 100% Australian-owned renewable energy company that develops, owns and operates renewable energy and firming assets. We aim to work openly with landholders, local communities, councils, government agencies and Traditional Owners as projects develop.

For Cullen Bullen Battery, that means sharing information early, listening to local knowledge and concerns, and explaining where project details are still being assessed.

What does a battery energy storage system include?

A BESS is a group of rechargeable batteries connected to the electricity grid. It can:

- charge by drawing electricity from the grid when supply is available
- store that electricity for later use
- discharge electricity back to the grid when it is needed.

Components of a BESS typically include:

- battery containers and power conversion systems
- a substation
- control and office facilities
- internal roads
- storage or workshop areas
- fire and emergency response systems.

Project overview

The current concept for Cullen Bullen Battery has a capacity of up to 1,000 megawatts (MW) and up to 8 hours of storage. The battery will charge and discharge over the course of a day, helping to shift abundant energy supply from the middle of the day to the evening when demand is high.

Footprint and access

The project will take up around 26 hectares within a much larger rural property.

Access to the site is proposed via the Castlereagh Highway and Red Springs Road, which may need upgrading.

Grid connection

The project is proposed to connect to the nearby 500 kV transmission network, owned by Transgrid. A new substation will be constructed to facilitate the connection.



Artist's impression of a Battery Energy Storage System

Location



Project timeline

The project is in early development. Because of its proposed scale, it is expected to follow the NSW State Significant Development assessment pathway. This means it will be determined by the NSW Minister for Planning and not council. The main steps are expected to be:



We want to hear what matters to local residents, landholders, businesses and community groups. Contact the project team to ask questions, share local knowledge, register for updates or request a conversation.

Contact us

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