



Fact sheet

Battery Energy Storage System (BESS)

Lower Wonga (Woolooga) BESS Project Overview FAQ

What is a Battery Energy Storage System?

Our Lower Wonga (Woolooga) BESS (or big batteries) uses energy storage technology to capture energy from different sources (grid, solar, and wind) to store for later use. The BESS will provide reliable, clean, and affordable electricity, giving more flexibility to the power system operators and utilities to quickly discharge energy to consumers during peak demands, power outages and shortages. It can also bolster electricity supply to the Queensland (QLD) grid when there is not enough sun or wind to generate energy.

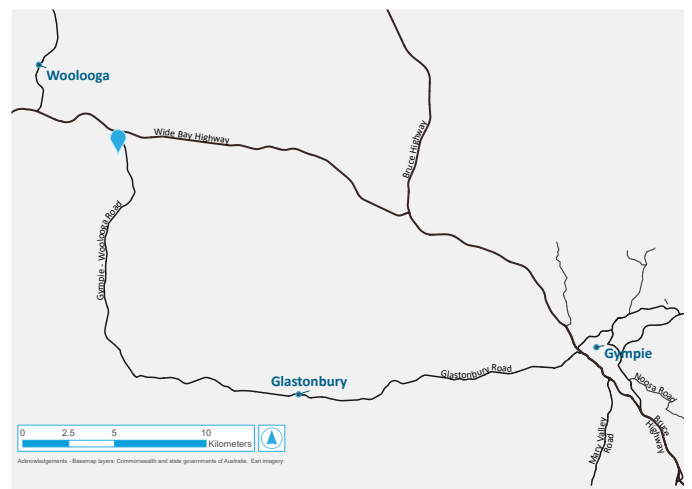
How does the BESS work and is it safe?

A BESS works like a standard battery used to power electronic devices. It requires several extra components to connect to an electrical network and meet Health, Safety and Environmental (HSE) standards set out by the Queensland Government and Environment Protection Authorities, to ensure the BESS is safe and reliable.

Where will the BESS be located, and what is its capacity?

Our proposed BESS will be located at Lot 4 Gympie Woolooga Road, Lower Wonga, Queensland. The Gubbi Gubbi People are the Traditional Custodians of the land. Covering about 7 hectares of land and containing up to 640 battery enclosures and required infrastructure, the Lower Wonga (Woolooga) BESS will act as a large-scale power generator and connect to the QLD's electricity transmission grid. The Lower Wonga BESS will store up to 200MW of energy which can supply 4 hours of electricity to power up to 26,000 Queensland homes.

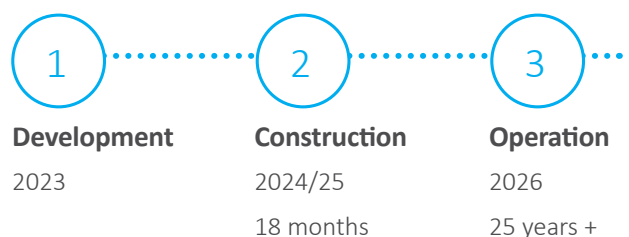
Project location




When will construction start, and how long will the BESS last?

Construction of our Lower Wonga (Woolooga) BESS will begin from 2024 to 2025, taking up to 18 months to complete. The Lower Wonga BESS can last for up to 25 years, after this period it will be decommissioned, and the batteries recycled and repurposed.

Project timeline



Need more information

 **Call** toll free on 1800 161 249

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The information contained in this document is accurate as of January 2025.

What is the land currently used for, and why was it selected for the Lower Wonga BESS?

Our Lower Wonga (Woolooga) BESS will be built on land covering about 7 hectares which is currently used for agriculture. We selected this area following extensive studies conducted across several locations. The site meets all technical, community, cultural heritage and environmental requirements. The site's proximity to electricity transmission infrastructure is about 0.8km from the 275kv Woolooga Substation. The Lower Wonga BESS will connect via a transmission line that feeds into the substation to supply power to the QLD electricity grid.

How will environmental, social, and health and safety impacts be managed?

Our project site must meet stringent Australian Government standards and frameworks. We have engaged independent experts to assess our project sites and implement measures to mitigate and minimise impacts. They have conducted assessments on environment and biodiversity, cultural heritage, noise, traffic, landscape, visual, fire and bushfire hazards. Detailed fact sheets about managing impacts are available on our website and engagement hub.

What benefits will the BESS offer?

Our proposed Lower Wonga (Woolooga) BESS can deliver affordable, clean, and reliable electricity to communities while helping to meet Queensland's future electricity needs. It can provide economic, social, and environmental benefits, including:

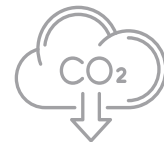
- Storing up to 200MW of energy.
- Providing about 4 hours of electricity a day to power up to 26,000 Queensland homes.
- Creating up to 115 jobs, 110 construction jobs and 5 operational jobs.
- Funding local community benefit programs.
- Allowing more renewable energy into the grid to help reduce volatility and lower electricity prices.
- Reducing up to 196,180t of carbon emissions.



Power up to **26,000** QLD homes



Create up to **115 JOBS**



Reduce up to **196,180t²** emissions



Store up to **200MW** of energy

How can I provide feedback or raise a concern about your project?

You can email us at AUProjects@equis.com or phone 1800 161 249 to provide feedback or raise a concern about our project in your area so that we can understand and try to address your concern.

How can I learn more about your project?

You can learn more about our projects by:

- Visiting our [website](#)
- Registering on our [engagement hub](#)
- Attending a project information session.

We will publish project information and updates in our newsletters, emails, and fact sheets which will be available from our website and engagement hub.

1. Estimate based on EPA.gov calculator

2. Estimate based on a 2-hour storage assuming the balance from wind and energy from waste is 5,000 kWh per year consumption per household.