Wyong Battery Energy Storage System (BESS)

Community update #1
September 2025

Ausgrid is proposing a battery in Wyong to add energy storage to the local electricity network.

We're planning for the energy network of the future, now.

This battery will store up to 200MW of energy – that's enough to power over 27,000 Ausgrid households a day.

As we switch to renewable sources like solar and wind power, we need more energy storage to make sure we have power when the sun isn't shining, and the wind isn't blowing. This will mean we can provide our customers with more sustainable, more reliable and more affordable power.

NSW needs six times more energy storage before 2030. Projects like the Wyong BESS are important to help keep our electricity supply stable.

Store up to **200MW** of energy

Power **27,000** households a day

The proposed BESS will be located next to the existing Ausgrid-owned substation at 320 Pacific Highway West, Wyong, on Ausgrid-owned land.

To learn more and provide your feedback visit **yoursay.ausgrid.com.au/wyongbess**

What is a BESS?

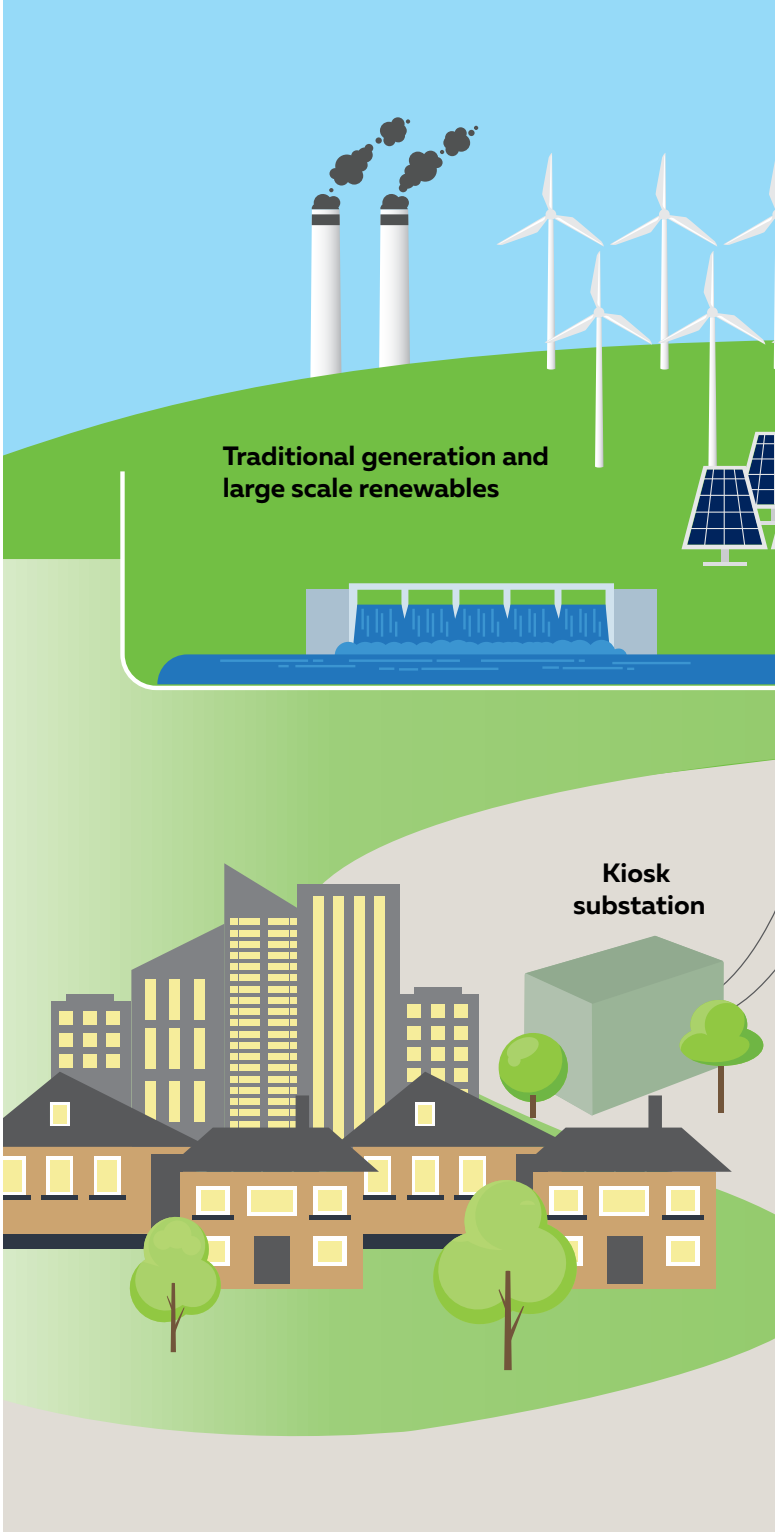
A Battery Energy Storage System (BESS) is a group of large rechargeable batteries, connected to form one very large battery. BESS collect energy, store it when there is a lot and then release it when there is high demand for electricity. These large batteries are critical to ensuring the reliability of electricity supply for households and businesses.

As we transition to new forms of energy, there is more variability in when energy is produced. This energy generation, such as solar and wind, doesn't always produce electricity at times that match when we use it. Energy storage matches energy generation and energy use.

BESS store extra electricity from both rooftop solar systems and large-scale generators. When electricity is in higher demand, such as when the sun goes down, BESS then feed it back into the network.

By connecting BESS to our existing substations, we are reducing the impact on our communities and the environment, and decreasing the need to build more large transmission and distribution lines, which helps reduce costs and makes electricity more affordable.

Ausgrid is also connecting community batteries to our network infrastructure. Community batteries are the same technology, at a smaller size and help manage energy from roof top solar, locally.

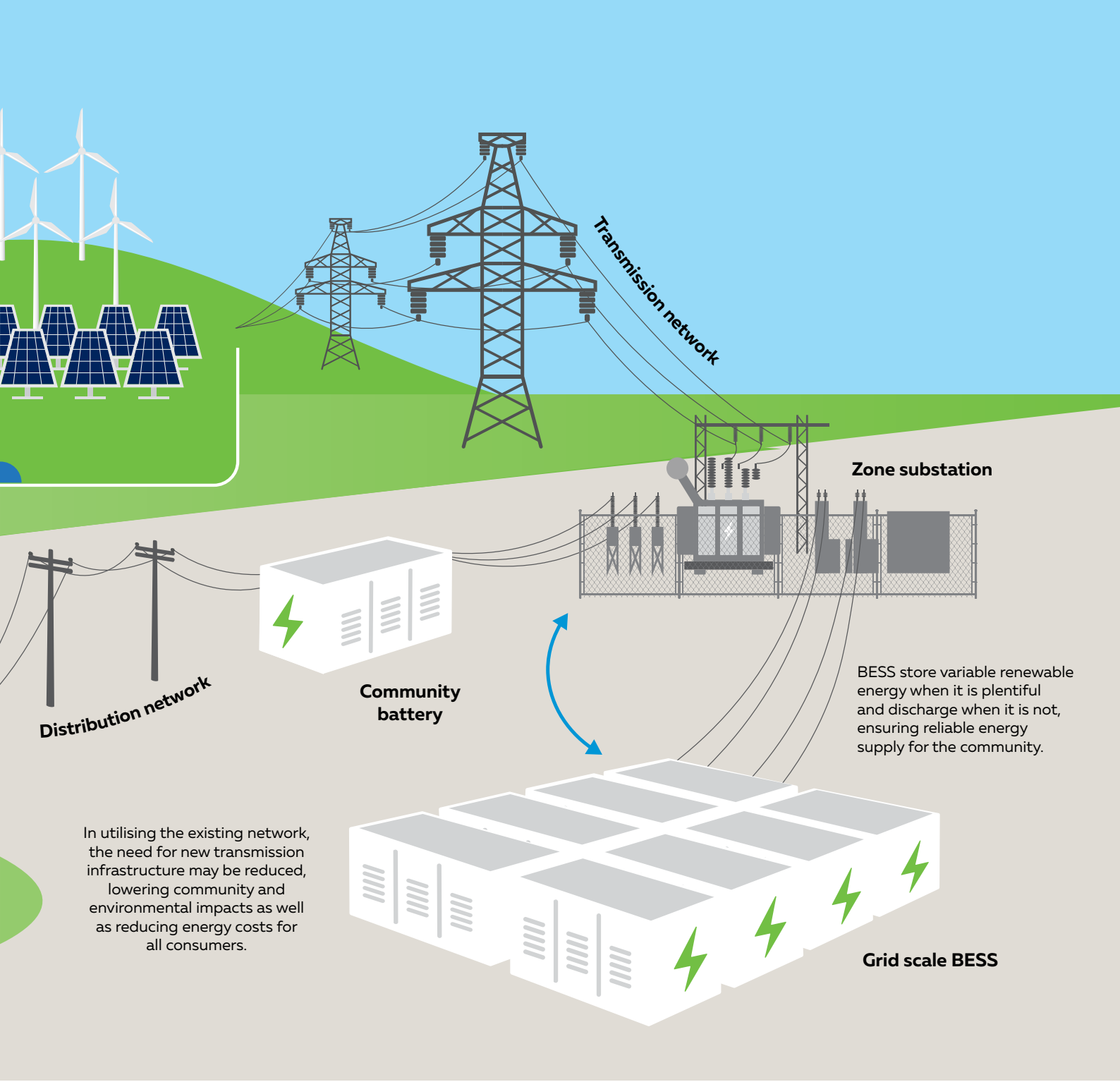


- **Enabling more renewable energy**
- **Reducing the need for new transmission lines**
- **Local construction jobs**
- **Improving grid stability and reliability**
- **Enabling more affordable electricity**

BESS support the clean energy tra

Reliable

BESS helps more renewable energy to come online by storing energy when there is more than we need and releasing it when it's required. This keeps the power supply steady, even when the sun isn't shining or the wind isn't blowing, providing a more resilient and reliable electricity network.



nsition and make the energy network more:

Affordable

BESS connected to Ausgrid's current network makes the most of existing infrastructure. It reduces the need for additional investment. This makes the cost of electricity cheaper over time than it would be without this investment.

Sustainable

BESS enable more renewable energy, like wind and solar, to connect to the energy network. By connecting to our existing substations, it avoids the need for new transmission lines, reducing the environmental and community impacts.

Planning and approval process

Ausgrid is proposing the BESS to be located next to the existing substation at 320 Pacific Highway West, Wyong. If approved, the project will be built and operated by a third party.

We are in the early planning stage. We are engaging with stakeholders and local community to help us better understand how the project might affect the environment and the community.

We want to hear from the local community and answer any questions you might have. The feedback we get from this early consultation will help shape the project.

ONGOING COMMUNITY CONSULTATION AND ENGAGEMENT

1 Late 2025
- Submit Scoping Report to NSW Department of Planning, Housing and Infrastructure (DPHI) and request SEARS
- Prepare Environmental Impact Statement (EIS)

2 Mid 2026
- Submit EIS to DPHI
- EIS Exhibition

3 Late 2026
- Project determination

4 2027
- Start construction

After our initial conversations with the community, we will begin technical studies to assess the environmental elements of the proposal. These assessments will include evaluations of fire risks, biodiversity, heritage (both Aboriginal and European), noise and vibration, traffic impacts, social and economic factors, and other potential hazards.

Once these assessments are complete, we will reach out again to the community and stakeholders to share the outcomes and discuss any necessary mitigation measures.

Community pop-up

We are holding a pop-up information session and invite you to come to learn more about the project and have your questions answered.

Thursday 02 October, 3pm - 6pm
North Wyong IGA - Cutler Shopping Centre
34 Cutler Drive
Wyong, NSW 2259

For more information scan the QR code or visit:
yoursay.ausgrid.com.au/wyongbess

Who is Ausgrid?

Ausgrid is a distribution network service provider. We operate, maintain, repair and build the electricity network in Sydney, the Central Coast and the Hunter. We distribute electricity to your home or business, maintain existing infrastructure, and invest in new technologies to make the network more sustainable, reliable and affordable. We also need to make sure the network is ready for our customers' future needs.

Find out more

There are many ways you can stay up to date with the project and have your say by visiting our project website at yoursay.ausgrid.com.au/wyongbess

The website includes:

- upcoming community engagement opportunities
- project information, facts sheets, and newsletters
- recorded online presentations about the project, delivered by our Project Team.

We want to hear from local community members about our project and answer your questions.

Register to stay up-to-date or contact our project team for more information.

Contact us

batteries@ausgrid.com.au

1800 574 044
Monday to Friday 9am to 4:30pm

Ausgrid BESS Project Team
GPO Box 4009 Sydney NSW 2001

If you need an interpreter, please call the Translating and Interpreting Service on 131 450 and ask them to call the project team on 1800 574 044. The interpreter will then help you with translation.

Ausgrid