SAMSUNG C&T
Engineering & Construction Group

FACT SHEET | NOVEMBER 2025

Vales Point Battery Energy Storage System

Project overview and benefits

Delta Power & Energy (Delta), in partnership with Samsung Construction & Trading (Samsung), is proposing to develop a Battery Energy Storage System (BESS) at the Vales Point Power Station site.

This fact sheet has been developed to answer some of the most common questions we've received so far around the BESS project and what it means for the community.

As the project progresses, we'll continue to keep you informed, provide updates on key milestones, and ensure there are continued opportunities for you to share your feedback or concerns.

What is the Vales Point BESS project?

The proposed Vales Point BESS project involves the construction, operation, maintenance and eventual decommissioning or re-powering of the BESS and ancillary infrastructure.

The BESS will store excess electricity from the network and release it to the grid when demand is high, helping to keep NSW's electricity network stable and reliable as more renewable energy, like solar and wind, enters the network.

With a 400-megawatt (MW) / 800-megawatt hour (MWh) storage capacity, the BESS will power around 250,000 homes for two hours (based on average household load of 1.6kWh). The project will also create local employment and procurement opportunities, providing a boost to the Central Coast and Hunter economies.

Where will the BESS be located?

The BESS is proposed to be located at Vales Point Power Station entirely within the footprint of the former A Station, which is cleared land previously used for energy generation. The site is next to existing Transgrid transmission infrastructure.

Fast facts

- 400 MW / 800 MWh storage capacity
- Power 250,000 homes for 2 hours
- Increase supply reliability & network stability
- 80-100 construction jobs, 5-10 operational roles
- Local procurement opportunities
- 12-18 months construction timeframe. Operating early 2028

How will BESS support the transition away from coal?

As more renewable energy enters the network and coal-fired power stations retire, solutions are needed to store and manage renewable energy and to maintain network stability.

The Vales Point BESS will help fill this gap by storing electricity from the grid and releasing it as needed, providing reliable supply even when the sun isn't shining or the wind isn't blowing.

BESS also provide network stability and rapid response capabilities, reacting within milliseconds to fluctuations in supply and demand. They help maintain grid frequency and voltage, which is critical for stable network operation, especially as traditional coal-fired generators retire.

How does this project fit into NSW's energy plan?

The Vales Point site is located within the Hunter-Central Coast Renewable Energy Zone (REZ) and enjoys a long history of energy generation. With its existing infrastructure, skilled workforce and close proximity to Transgrid's transmission network, Vales Point is uniquely positioned to accommodate energy storage projects and support NSW's energy transition, beyond the operation of its current coal-fired power station.

What is the status of the project?

The project is now in the concept design and environmental assessment stage, which involves the preparation and lodgement of a State Significant Development (SSD) Application and supporting Environmental Impact Statement (EIS).

A series of technical, social and environmental investigations are underway. As part of this process, we are seeking community and stakeholder feedback on the proposal and its potential environmental and social impacts and mitigation measures which will be addressed in the EIS.

When will construction start?

A final decision to proceed will be made by Delta and Samsung in mid-2026, pending completion of the EIS.

Construction is subject to the final investment decision and environmental planning approval. If approved to proceed, construction is expected to start in the second half of 2026 with the BESS to commence operating in early 2028.

How does BESS work and is it safe?

The BESS stores electricity when renewable energy is abundant and releases it back to the grid when needed, improving energy supply reliability. The system is designed with multiple layers of safety protections, including fire suppression, 24-hour monitoring, and automatic shutdown features. The BESS will meet all regulatory standards and health, safety and environmental requirements.

Why do we need big batteries?

As NSW phases out coal-fired power stations and transitions to cleaner energy, the grid needs support to remain stable. Large-scale batteries like the Vales Point BESS help store renewable energy and provide backup electricity during peak times, ensuring energy is available when and where it's needed.

Project benefits

- Enhance energy security by responding quickly to network fluctuations, reducing blackout risks.
- Support renewables integration and provide network stability by storing excess electricity from the grid during periods of over-supply and providing additional energy when needed.
- Benefit local and regional economies through creating construction jobs and operating and maintenance roles, as well as opportunities for local suppliers.

What is the benefit of the Vales Point site?

Located within the Hunter-Central Coast Renewable Energy Zone (REZ), the Vales Point site has a long history of electricity generation and benefits from existing infrastructure, a skilled workforce, and close proximity to Sydney, Newcastle, and surrounding areas.

The BESS will be built on the former A Station site, an industrial site previously used for energy generation and adjacent to Transgrid's transmission network. The site is cleared of vegetation, contains no habitat for threatened species or ecological communities, and has established environmental and safety management procedures, which will be updated for the BESS.

These factors make Vales Point ideally suited to support NSW's transition from coal generation to renewable energy, helping to support local jobs, retain skilled workers and attract new investment to the region.

How will the BESS project benefit the economy?

The project is expected to create around 80 to 100 construction jobs during peak construction and 5 to 10 ongoing operational roles once the BESS is operating.

It will also provide procurement opportunities for local suppliers, tradespeople, and service providers, while benefitting local businesses such as accommodation providers, cafés, fuel suppliers, and equipment hire services – giving a boost to the Central Coast and Hunter economies.

What happens after the BESS reaches the end of its operational life?

Once the BESS reaches the end of its operational life, a decision will be made to either decommission or re-power the facility.

If decommissioned, the process would take 12 to 24 months and involve removing infrastructure and rehabilitating the site to its original or agreed condition, in consultation with stakeholders. Battery units would be recycled or disposed of at approved facilities, or returned to manufacturers for refurbishment or repurposing.

The EIS will include an assessment of the decommissioning stage, and a detailed decommissioning and rehabilitation plan would be developed prior to decommissioning.

How can I provide feedback or share my concerns about the project?

We are continuing to engage with the community and stakeholders during the EIS preparation through a range of in-person and online activities.

This includes inviting community feedback on the concept design and as the EIS investigations progress, prior to submitting the State Significant Development (SSD) Application.

Visit the project website to learn more about the proposal and complete an online survey, or visit a community information display in November to talk with the project team.

What happens next?

Community and stakeholder feedback received will be considered to finalise the proposal and EIS.

The SSD Application, including the supporting EIS, is expected to be completed and lodged in early 2026 for assessment by the NSW Department of Planning, Housing and Infrastructure.

The NSW Department of Planning, Housing and Infrastructure will place the EIS on public exhibition, providing another opportunity for the community to provide feedback.

The community and stakeholders will be kept updated as planning and EIS activities progress.

Artist's impression

Stay informed

We will continue to keep the community and stakeholders updated as the project progresses. Visit the project website for the latest updates, or send us an email to be added to our email list.

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