Gurrundah Hybrid Project

Solar Farm + Battery Energy Storage System

Frequently Asked Questions

September 2026

General

What is being proposed?

The Gurrundah Hybrid Project is a proposed large-scale energy hub located at 3287 Gurrundah Rd, Gurrundah NSW 2581. The project is expected to feature around:

- 423.52 MWp of solar PV generation;
- a 320 MW / 2,560 MWh BESS with an 8-hour storage duration;
- a dedicated substation; and
- associated grid connection infrastructure.

The investigation area covers approximately 708 hectares, though not all will host project infrastructure. The solar farm will produce renewable power during daylight, while the BESS will store and release electricity at different times. This combination enhances the project's flexibility in utilising renewable energy and helps support the electricity network.

Who is Trina Solar?

Trina Solar is an internationally recognised leader in solar farm developments, known for its supply of PV modules with its own manufacturing divisions of solar modules, trackers, electrolysers, and Battery Energy Storage Systems (BESS).

With local offices in Melbourne, Sydney, Perth and Brisbane, the company has demonstrated its capability to deliver renewable energy projects by developing, constructing, and operating over 8GW of solar farm projects worldwide. Trina also has a strong pipeline of new projects currently in the development and construction phase, indicating its ongoing global commitment with the transition to clean energy and reaching net zero.

With an enviable global manufacturing division, significant record of accomplishment, Trina Solar brings its demonstrated capability in renewable energy projects to the local Australian market. The company's expertise and experience make it well-positioned to play a leading role in Australia's transition to renewable energy.

Why is this proposal needed?

The project brings solar energy and battery storage together in one location. The solar farm would generate electricity during the day, while the battery can store electricity and make it available later when it is needed, including when solar generation is lower or electricity demand is higher.

Together, solar and battery storage can help make better use of renewable energy and support a reliable electricity supply for homes and businesses.

The project also supports the broader transition to renewable energy in NSW and Australia. NSW is working to deliver at least 12 GW of new renewable energy generation by 2030, while Australia is working towards 82% renewable electricity by 2030.

What stage is the Project at?

The Gurrundah Hybrid Project is currently in its early development phase and is preparing to enter the scoping phase, including preparation of the Scoping Report.

We welcome feedback from landholders, local communities, and other stakeholders throughout the development of the Project. This feedback, together with the findings from our studies and input from councils and government agencies, will help us better understand local matters and inform the Project as it develops.

Who will assess the Project

The Gurrundah Hybrid Project, which includes a solar farm and battery energy storage system, will be assessed as a State Significant Development (SSD) under the NSW planning system.

The NSW Department of Planning, Housing, and Infrastructure (DPHI) will assess the Project, including its potential environmental and social impacts. The Department will also consult with relevant government agencies and local councils, and the community will have an opportunity to review the proposal and provide feedback during the public exhibition process.

How long will this project operate for? What happens after that?

The Project is expected to operate for around 30 years. During this time, some equipment, including battery components, may be replaced or upgraded as needed.

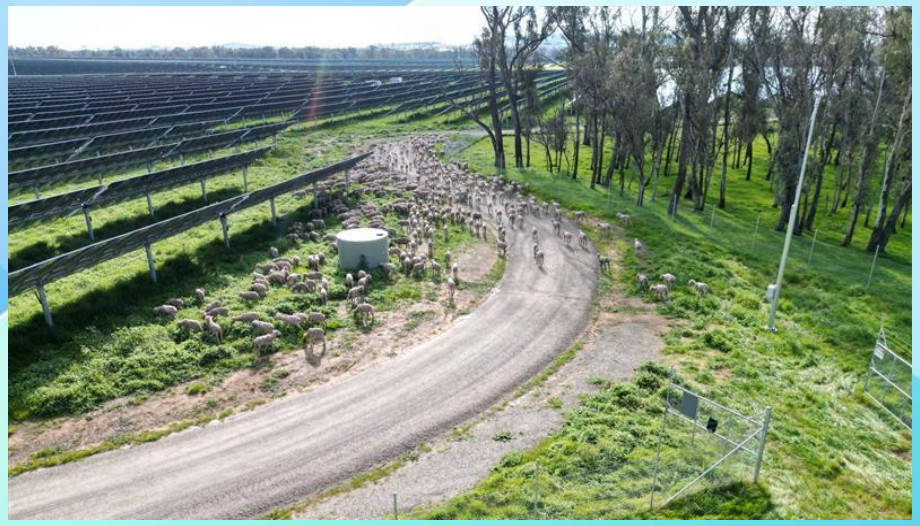
At the end of the Project's operating life, the site would either be decommissioned and rehabilitated, or the Project may continue with upgraded equipment, subject to any approvals required at that time.

If the Project is decommissioned, infrastructure would be removed and the land rehabilitated so it can be used for other suitable purposes.

Design Considerations

Why has this specific site been chosen?

The site was selected primarily because an existing transmission line runs through the property and has sufficient capacity to support the Project. Its proximity to existing electricity infrastructure allows for a more direct grid connection and helps reduce the need for long new transmission lines and easements, minimising potential impacts on surrounding landowners and the local community.



What will the solar farm look like, and how does the tracking system work?

The solar farm will consist of rows of photovoltaic panels mounted on a tracking system.

Based on the current concept design, the Project is expected to contain approximately 86 PV blocks.



The trackers allow the panels to gradually change angle throughout the day, generally following the movement of the sun from east to west. This allows the panels to maintain a more effective orientation to the sun and improve electricity generation.

What does a BESS look like?

BESS are container-like modular systems grouped with multiple inverter stations that are configured based on site and capacity obligations and can be compared to shipping container-like objects. Containerized form of BESS will reduce install and maintenance duration, improve electrical and environmental safety of whole plant, reduce impact on original landscape. As technology improves, the systems are becoming increasingly efficient and more compact.



Can the solar farm and agricultural activities continue together?

Yes. Agrisolar is the use of the same land for both solar energy generation and agricultural activities. It allows productive agricultural

use to continue while the solar farm is operating. The Project is being designed to support sheep grazing in suitable areas beneath and between the solar panels, enabling renewable energy generation and agricultural activities to coexist on the same land.

Some areas will be needed for Project infrastructure, such as the battery, substation, access tracks and other electrical equipment. However, sheep grazing is expected to continue across much of the solar farm area where it is safe and practical to do so.

This approach helps maintain the agricultural use of the land while also allowing it to support renewable energy generation.

Social and Economic

What benefits will the community receive?

The Project is expected to operate for around 30 years and could bring a range of benefits to the local area over its lifetime.

During construction and operation, the Project may create opportunities for local employment, contractors and businesses, as well as increased spending in the local area.

Trina will continue to engage with the local community as the Project develops. Feedback from local residents and stakeholders will help us understand local priorities and consider opportunities for community benefit initiatives that provide meaningful and lasting value to the area.

The Project will also generate renewable electricity from solar energy, supported by battery storage, helping contribute to the broader transition to renewable energy in NSW.

Will there be always a contact onsite in case of emergency?

There will be a 24/7 contact and other staff members will be based near the project. The project will also be monitored continuously by a remote Control Centre and CCTV.

Who controls the operation of the solar farm and battery?

The Project will be operated and monitored by a qualified operations team. The battery is intended to primarily charge using electricity generated by the solar farm, storing this energy for use later.

The Project will operate in accordance with its connection agreement with Transgrid, as the Network Service Provider, and the requirements of the Australian Energy Market Operator (AEMO).

Further Information

If you're a member of the local community and have any questions, suggestions, or interest in the project, we encourage you to reach out to us via email:

Web: https://GurrundahHybrid.com.au/

Email: GurrundahHybrid@trinasolar.com