

Frequently Asked Questions

How long will it take to build the project?

If approved and financed, construction of the Giddi BESS and associated infrastructure will take around 12 months.

How big will it be?

Once completed, the Giddi BESS and associated infrastructure will cover up to approximately 20 hectares of land. The battery cubicles will be approximately 4 m tall. The overall size of each battery cabinet is about the size of a standard oversized shipping container.

Where will it be located and why?

The Giddi BESS will be located in Trafalgar East, approximately 4 km northwest of the Moe Racecourse.

The site has no matters of State or Commonwealth environmental significance present and is suitable topography with high flood immunity. We are actively avoiding impacting native vegetation and water courses.

What technology is being used for the project?

The Giddi BESS will utilise Lithium-Ion batteries and associated equipment from leading manufacturers. These manufacturers are selected through a separate competitive tender process. A more advanced technology may be installed as innovation comes to market. It is also expected to see more advanced batteries replace the current batteries as they reach the end of their service life.

The facility will be an orderly arrangement of battery cabinets, inverters and control systems, including cabling. The battery packs are enclosed in custom designed, dust and waterproof 'cabinets' made of steel. The cabinet colour will be white, or light coloured to assist with heat management and each cabinet has its own internal thermal management system. Each cabinet will look similar to a standard oversized shipping container.

What is the lifecycle of the battery

The intended lifespan of the Giddi BESS is 25-30 years. One year prior to decommissioning, ib vogt (or the current operator) must submit to the Council for endorsement, a Rehabilitation Exit Plan prepared by field experts. This plan will demonstrate how the site will be restored, identify future land uses, and outline an activity plan for remediation and monitoring

How does it work?

The Giddi BESS will store energy in times of high production and release energy in times of high demand, similar to how a battery on a home solar system.

Will there be any lighting on site?

There will be minimal lighting on site at night, and as such, minimal impact on the surrounding landholders or the landscape.

What are the benefits of battery energy storage?

In making the transition from fossil fuels to renewables, the ability to store and dispatch energy will play a key role. Battery Energy Storage Systems support renewable generation projects by smoothing out generation peaks and troughs. This will also assist in the lowering of tariffs during high peak demand periods.

Battery Energy Storage Systems do not produce emissions; instead, they enhance and support the nation's renewable energy integration into the market, contributing to the Australian Government's net zero targets.

Is a community benefit associated with the project?

Yes. The project will make an annual financial contribution to a dedicated community benefit fund. We are currently working with local community groups to identify new initiatives that deliver long-term benefits.