

## Factsheet 2: Key Features

### Generation Capacity:

Up to 75 megawatts (MW) with two hours of storage (75 MW / 150 MWh).

### Connection:

Direct 132kV connection to Transgrid's transmission line on the Albury to Hume Power Station line, located along the eastern boundary of the proposed site.

### What is a Battery Energy Storage System (BESS)?

BESS are large batteries housed in containers. They store renewable energy from the National Electricity Market in periods where supply exceeds demand, so that it can be dispatched at times of greater need. This functionality makes batteries pivotal in the transition to a more sustainable and resilient energy.

### What is the advantage of a BESS?

The ability to time-shift the release of electricity offers a distinct advantage compared to other forms of renewable energy like solar or wind. It enhances overall energy efficiency, reducing reliance on fossil fuel powered plants that generally only run when there is a high demand for energy and are typically less efficient and more polluting.



Example of a BESS. Final design will be confirmed through the development approval process.

### What would it look like?

The BESS compound would be made up of rows of battery enclosures, alongside a substation comprising a switchroom and control room. To reduce visual impact the BESS would be set back from nearby roads, with vegetation screening added if required. The enclosures would be light in colour to reduce heat absorption, with a painted steel finish.


### Why in this location?

The proposed location provides direct access to the existing Transgrid transmission line, and would build on the history and technical capability of Lake Hume, which has supported the Hume Power Station since 1957. It contributes to the Riverina Murray region's objective to plan for integrated and resilient utility infrastructure, and its transition to net zero emissions by 2050<sup>1</sup>. And also supports Albury City Council's objectives to promote Albury as a place for industry and business, and to support clean and renewable energy initiatives<sup>2</sup>.

### What is its lifespan?

The proposed development has a target life of 20 years, which may be extended if feasible. If decommissioned, the site would be returned to its original state with all above-ground BESS infrastructure removed.

### Contact us

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You can also find more information at:

 [gspenergy.com.au/hume-battery](https://gspenergy.com.au/hume-battery)

<sup>1</sup> Riverina Murray Regional Plan 2041; Objectives 11 and 13

<sup>2</sup> Albury Community Strategic Plan 2017–2030; Outcomes 1.5 and 2.1.4