

Molong BESS – Updated Project Description – 4 May 2026

The Project will involve the development, construction, operation, and eventual decommissioning of a BESS with a capacity of 150 MW / 730 MWh connecting via overhead transmission line directly to the existing Molong 132/66kV transmission substation operated by Transgrid.

The BESS will comprise battery units, inverters, transformers, a substation and ancillary infrastructure all within the indicative BESS area. The battery units will be within individual containers (or enclosures), with each container measuring approximately 6 metres (m) or 20 feet (ft) in length with an approximate weight of 43,000 kilograms (kg). The battery units will generally be in a linear arrangement with some minor changes anticipated as detailed design progresses.

The key elements of the Project include the following:

- Installation and operation of a BESS including approximately 264 battery enclosures, 50 inverters, and transformers on hardstand with subsurface wiring, and benching of the site to level the foundation for each component.*
- Construction of a new overhead transmission line (132 kV) to connect the proposed BESS substation, to the existing Transgrid Molong 132/66 kV transmission substation. The overhead transmission line will be approximately 900m in length and be situated within a 45m wide easement, refer Figure E-2.*
- Construction of ancillary works including parking areas, laydown areas, water tank, storage structures, stormwater management infrastructure (e.g. bioretention basin), contaminated water (e.g. fire water) retention solution, security cameras, security lighting, noise walls and fencing.*
- 4-5m high acoustic walls at strategic locations within the Development Footprint;*
- New site access from Back Saleyards Road with auxiliary upgrades to Back Saleyards Road from the site access to Euchareena Road.*
- Tree / vegetation removal.*
- Decommissioning of the BESS at the end of life (EOL).*

The 'Development Footprint' represents the defined area that will comprise all construction activities, including earthworks and vegetation clearance, the proposed BESS, ancillary, infrastructure, laydown areas, road access and transmission line corridor. The proposed Development Footprint will be approximately 10.68 hectares (ha) (refer Figure E-3).

Construction of the Project is anticipated to take approximately 14 months with commissioning anticipated to take approximately 8 months (22 months total from construction commencement to operational).

It is expected that the operational life of the Project would be approximately 30 years, after which the BESS would be decommissioned and the infrastructure removed, returning the Development Footprint to its original state. Potential 'repowering' will be considered towards the end of operational life where a new Development Application (DA) may be lodged to renew the Project albeit with upgraded technology. Any repowering and associated DA would require new project agreements which would be considered in consultation with all relevant stakeholders and the legislative landscape and energy needs at that time.