



Studies and Assessments

Preliminary technical, environmental and cultural heritage surveys have been undertaken at the Krongart BESS site to help inform design.

TE H2 have undertaken technical and environmental assessments to understand the Krongart BESS site, and will continue to refine the project design based on findings. The results from the studies show that the impact of the project is low to the area.

Preliminary studies that have been undertaken include:

- Ecology
- Aboriginal and historic heritage
- Visual amenity
- Traffic
- Surface water and flood modelling
- Noise impact

Ecology Survey

An Ecological Constraints Assessment has been undertaken for the proposed project site. The findings show that the project site is situated in a highly modified agricultural landscape, dominated by exotic pasture and previously disturbed land.

Within the project site, no *Environment Protection and Biodiversity Act 1999* (EPBC) Threatened Ecological Communities or threatened flora were

recorded within the site and are considered not likely to occur.

Although largely devoid of native vegetation, some scattered trees cannot be avoided and the roadside reserve containing low condition grassland may be impacted to access the site. Eight threatened fauna species were identified as possible or likely to occur, and most were associated with the scattered native trees.

In addition to design considerations, TE H2 will work closely with local wildlife rescue and relocation groups during construction and operation as required to help ensure ongoing wildlife safety.

Heritage survey

The Desktop Heritage Assessment preliminary findings were categorised into two main areas; Aboriginal heritage, and Historic heritage.

There are no registered Aboriginal heritage sites within the proposed project footprint, however there are three registered Aboriginal sites identified within 5 kilometres from the site.

TE H2 will consult with the Burrandies Aboriginal Corporation, as the cultural heritage body for the area, and to undertake Aboriginal Cultural Heritage surveys of the project area. Any findings from these surveys will further refine the project layout.

There are no registered other heritage sites within the proposed project footprint. The closest listed heritage places are *Yallum Park Homestead* and *Austin Cottage*, approximately 4 kilometres from the project study area. The Krongart BESS is not anticipated to impact heritage sites during construction or operation.

Visual assessment

The Krongart BESS has undertaken a Visual Impact Assessment, which considers visual effects of the BESS facility on publicly accessible and residential dwellings within a 2-kilometer radius.

The findings from the assessment have shown that the viewpoints have a negligible to low visual impact. This is primarily due to the BESS components being partially or completely visually absorbed by the landscape or screened with existing vegetation.

The BESS containers that will be used for the Project will be finished in neutral colours to reduce the visual impact to the surrounding landscape. TE H2 will also engage directly with immediate neighbours to address any potential concerns about visual impacts.

Traffic assessment

TE H2 has undertaken a preliminary Traffic Impact Assessment for the Krongart BESS project, which identified three heavy vehicle transport routes for the construction materials to be delivered to site .

The project access point will be on the eastern boundary of the site, from McElroy Road. A dedicated project entry point will be constructed. The assessment anticipates that up to 210 daily movements of vehicles and trucks will be required during the peak construction period. During operation of the BESS, traffic will be limited to staff movements and maintenance. The assessment is also considering the need for any road upgrades. TE H2 will work closely with Wattle Range Council, the

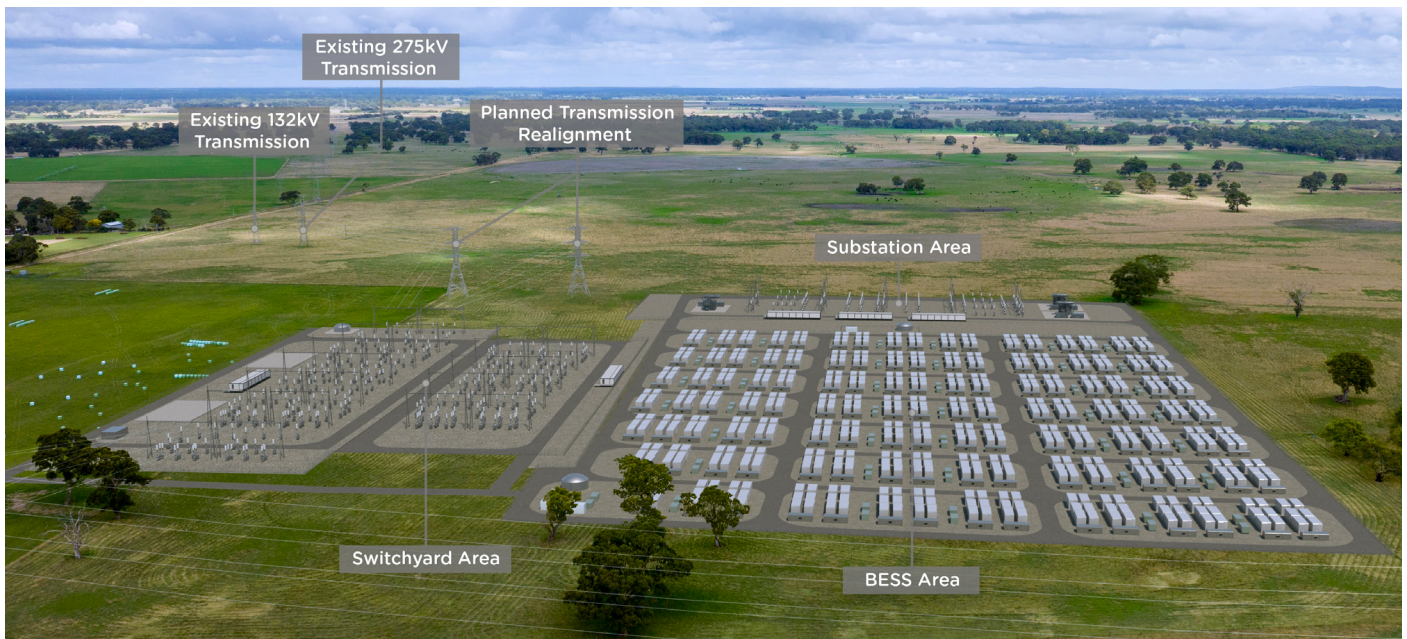
South Australian Government, and local residents on any required road upgrades.

Surface Water and Flood Modelling

A surfacewater assessment looked at the site layout, land topography, and groundwater to understand stormwater catchment areas and estimate peak waterflow for the proposed BESS site. Flood modelling has been undertaken for the project area, and follows industry standard techniques. The modelling demonstrates that the flood risk at the site is generally low, classified as H1 which is safe for people, vehicles and buildings. Model results show that inundation depths are shallow and velocities are low. TE H2 will manage stormwater by incorporating drainage into the design, and ensuring that any potential chemicals are appropriately bundled and stored. Flood modelling has been undertaken for the project area, and follows industry-standard techniques. TE H2 selected the project location to avoid existing lowland lying areas nearby.

Noise assessment

A Noise Impact Assessment has been undertaken for the Krongart BESS project. The Krongart BESS project will comply with the Environment Protection (Commercial and Industrial Noise) Policy 2023. The predicted project operational noise level achieve compliance with the Project Noise Goals based on the all assessed sensitive receivers. TE H2 will engage directly with nearby property owners and residents to discuss any potential impacts and concerns.



**This is an artists impression showing how the BESS may look. This concept design is indicative only, and is subject to change based on further technical studies, engineering design, planning approvals, and feedback from local communities and stakeholders.*

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