



Battery Energy Storage System (BESS)

MREH BESS Project Overview FAQ

What is a Battery Energy Storage System?

Our Melton Renewable Energy Hub (MREH) BESS (or big battery) will use energy storage technology to capture energy from different sources (grid, solar, and wind) to store for later use. The BESS will provide reliable, clean, and affordable electricity, giving more flexibility to the power system operators and utilities to quickly discharge energy to consumers during peak demands, power outages and shortages. It can also bolster electricity supply to the Victorian grid when there is not enough sun or wind to generate energy.

How does a BESS work and is it safe?

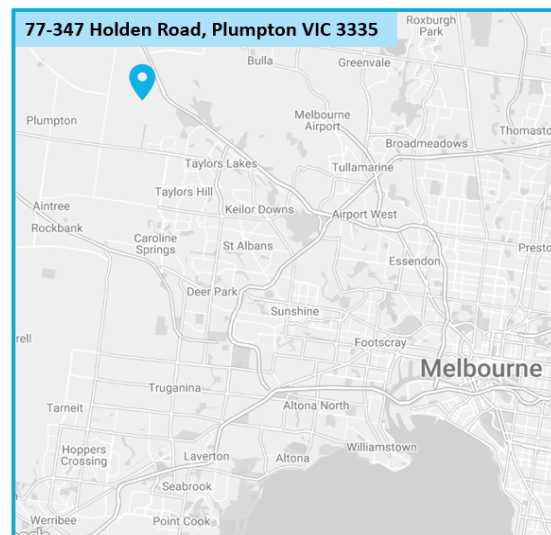
A BESS works like a standard battery used to power electronic devices. It requires several extra components to connect to an electrical network and meet Health, Safety and Environmental (HSE) standards set out by the VIC Government and Environment Protection Authorities, to ensure the BESS is safe and reliable.

Where will the BESS be located, and what is its capacity?

Our proposed MREH BESS will be located at 77-347 Holden Road, Plumpton and 67 Victoria Road, Plumpton, Victoria. The Wurundjeri/Wathaurong People are the Traditional Custodians of the land.

Covering 39.25 hectares of land and containing up to 960 battery enclosures and required infrastructure, the MREH BESS will act as a large-scale power generator and connect to the VIC's electricity transmission grid. The MREH BESS will store up to 2.4GWh of energy which can supply 2 hours of electricity to power up to 2,200,000 VIC homes.

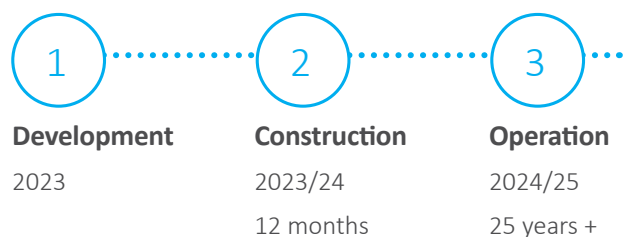
Project location



When will construction start, and how long will the BESS last?

Construction of our MREH BESS will begin from 2023 to 2024, taking up to 12 months to complete. It can last for up to 25 years, after this period the BESS will be decommissioned, and the batteries recycled and re-purposed.

Project timeline



Need more information

 **Call** (+61) 3 7020 3323 or toll free on 1800 161 249

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The information contained in this document is accurate as of Dec 2023.



What is the land currently used for, and why was it selected for the MREH BESS?

Our MREH BESS will be built on land covering about 39.25 hectares which is currently used for dryland cropping and grazing. We selected this site following extensive studies conducted across several locations. The site meets all technical, community, cultural, heritage, safety and environmental requirements necessary for a large battery facility. The site has proximity and connectivity to the grid, with a 500kV in the centre of the State's transmission back-bone and is located at the hub of the VREZ.

How will environmental, social, and health and safety impacts be managed?

Our project site must meet stringent Australian Government standards and frameworks. All assessments on environment and biodiversity, cultural heritage, noise, traffic, landscape, visual, fire and bushfire hazards have been completed for MREH. Expert assessments have concluded that the MREH facility construction footprint has been kept to a practical minimum and will be located in areas which do not contain patches of native vegetation or threatened species. Impacts and off-sets required to mitigate some un-avoidable and minor Native Vegetation Removal and impacts on Striped Legless Lizard habit, have been agreed with Commonwealth DAWE and State DELWP.

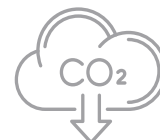
What benefits will the MREH BESS offer?

Our proposed MREH BESS can deliver affordable, clean, and reliable electricity to communities while helping to meet Victoria's future electricity needs. It can provide economic, social, and environmental benefits, including:

- Storing up to 2.4GWh of energy.
- Powering up to 2, 200,000 Victorian homes.
- Creating up to 155 jobs.
- Funding for local community benefit programs.
- Allowing more renewable energy into the grid to help reduce volatility and lower electricity prices.
- Supporting a nett zero emissions future.



Power up to **2,200,000¹** VIC homes



Supporting nett zero emissions



Create up to **155 JOBS**



Store up to **2.4GWh** of energy

How can I provide feedback or raise a concern about your project?

You can email us at AUProjects@equis.com or phone (+61) 3 7020 3323 or toll free on 1800 161 249 to provide feedback or raise a concern about our project in your area so that we can understand and try to address your concern.

How can I learn more about your project?

You can learn more about our projects by:

- Visiting our [website](#)
- Registering on our [engagement hub](#)
- Attending a project information session.

We will publish project information and updates in our newsletters, emails, and fact sheets which will be available from our website and engagement hub.

1. Estimate based on a 2-hour storage assuming a 5,000 kWh consumption per household per year.