

# DERBY BATTERY ENERGY STORAGE SYSTEM

## Frequently Asked Questions

**Are there plans to increase the size of the Musselroe Wind Farm?**  
There are no changes planned for Musselroe Wind Farm.

### Who are Woolnorth Renewables?

Woolnorth Renewables is a joint venture between Hydro Tasmania and Shenhua Clean Energy Holdings (formed in 2012). We own and operate three wind farms in Tasmania. Our largest is the Musselroe Wind Farm which is located in the Dorset municipality at Cape Portland / Luemerrernanner. Our wind farms generate approximately ten per cent of Tasmania's electricity annually and we are the largest wind farm operator in Tasmania with over 300MW of installed capacity. We have proudly been a part of the Dorset Community since 2013.

### What is a Battery Energy Storage System?

Battery energy storage systems (BESS) are the technologies we simply know as batteries that are big enough to power businesses and homes. They come in different shapes and sizes, suit different applications and settings, and use different technologies and chemicals to do their job. They can be used to store electricity generated from renewables, like solar and wind, for later use. They can also be used to stabilise the electricity grid by providing a diverse range of support services to the electricity network. For a simple description, these sorts of services are based on a BESS being able to rapidly provide or absorb electricity, either over a very short time frame, or longer duration.

### Why has this location been chosen for the project?

The site was selected because it is next to the Derby substation. This means connecting the BESS to the electricity grid can be done simply through a underground cable connection. The Derby substation is the grid connection point for our Musselroe Wind Farm and provides future possibilities for smart integration strategies.

The property came up for sale during the initial project/concept development and it was a practical decision to acquire the property.

### Will the Derby BESS generate noise during construction and increase traffic?

During the construction phase, noise and traffic impacts will be managed through careful planning of works and through the application of local council requirements. We will consult with neighbours and residents to ensure that noise and traffic concerns are addressed.

### What are the benefits of this project?

The Derby BESS will improve the stability of the electricity grid and provide a range of support services and benefits, including:

- support and stabilise the electricity grid in real time
- support Tasmania's 200% renewable energy target
- support the maximum use of Tasmania's newable generators by storing green power.

A more supported network creates a more reliable power supply for Tasmanians.

### How can I get involved?

The project team will be holding a community drop-in session at **Derby Town Hall** between **10am and 3pm on Saturday, 20 January 2024**. Members of the project team will be available to answer any questions you have at the session. If you are unable to attend this session but would still like to speak with us, please contact the team using the details below.

### When will the Derby BESS installation be complete?

Construction is expected to begin in 2024 with the facility being commission and in operation by late 2025.

### Will this project require land acquisition?

No. Woolnorth Renewables purchased the site for purpose of this project.

### Will there be employment opportunities?

During the construction phase there will be a range of contractors engaged to support the project and where possible local contractors and service providers will be utilised.

During the operational phase, the site will be operated in an unmanned manner. Routine maintenance will be required.

### Is the Derby BESS safe?

The Derby BESS will be similar to the battery technologies that are being increasingly installed in homes, but on a larger scale. There are now several BESS facilities operating across Australia. There are no known health risks associated with large-scale battery installations.

The Derby BESS has been designed to meet current safety requirements and the project will continue to consult with relevant agencies and experts to ensure the facility meets all safety requirements.

Safety and performance are key aspects of the selection, design and construction of our BESS.