



### Key facts:

- In partnership with Bass Coast Shire Council, Westernport Water, Nature Parks and Totally Renewable Phillip Island (TRPI), Mondo will deliver seven 100kW/250kWh batteries on Phillip Island.
- We're helping communities reduce emissions and take control of their energy future.
- The project will establish a first of its kind community energy fund to share profits.
- The batteries unlock potential for more local solar installations.

## Phillip Island neighbourhood batteries

We're installing seven battery storage systems across the Bass Coast Shire to improve energy reliability and provide energy storage capacity for locally generated solar power.

The batteries will lighten the existing load on the electricity network and increase storage capacity for the island. This opens the path to supporting more solar installations as the island progresses toward a renewable energy future.

### About funding



- \$2.1 million funding from the Victorian Government announced by the Minister for Energy and Resources in March 2024.
- Contributions from project developer, Mondo.

### About the planned batteries

- The 100kW/250kWh Lithium Iron Phosphate (LiFePo4) batteries will be 3 metres x 5 meters in size.
- All 7 batteries will be installed and fully operational by August 2025.

### About this project

This project was created from shared ambitions on renewable energy, community development and positive action on climate change, between Totally Renewable Phillip Island (TRPI), the Bass Coast Shire Council and Mondo.



## Why the batteries are needed

Victoria's energy grid was originally designed for a one-way flow of power, moving power from where it's made to where it's needed. Rooftop solar generation, and other renewable power generation, needs a more dynamic, two-way flow of electricity.

To maintain a stable electricity supply, we need more storage at the network, district, neighbourhood and property levels. To make best use of locally generated electricity, the planned Neighbourhood Batteries will typically charge during the day (high solar generation period) and release this power each evening when electricity demand is high. The process is similar to capturing rainwater in a tank and then using the water later when it's needed.

## How long will the batteries last?

The expected operational life for each battery is approximately 15 years, depending on the number of charge/discharge cycles.

Mondo will maintain the batteries and remove and recycle them once they reach end of life.

## Will the batteries prevent power outages?

No. The batteries' function is to improve our network's ability to absorb solar energy or export during high demand. The batteries will not operate or provide back-up power during an outage.

## Are the batteries noisy?

The batteries do emit some noise when charging or discharging power. This is caused by the cooling system, similar to a reverse cycle air conditioner. Any noise will adhere to Environment Protection Authority (EPA) requirements and extra noise reduction methods may be used if needed.

## What's next?

We will work closely with TRPI and the Bass Coast Shire Council to confirm final sites for the batteries.

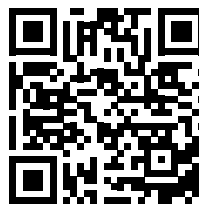
## Are the batteries safe?

Yes, they are safe. Mondo will select quality, proven, utility grade storage solutions to ensure the community's safety. The batteries will utilise the stable LiFePo4 battery chemistry, have multiple protection systems and remote monitoring. Mondo is responsible for any ongoing maintenance and vegetation management around the batteries to ensure safety.

## Will this reduce our power bills?

In the short to medium-term, there won't be any change to your power bill and you don't need to adjust your electricity retail arrangements. However, as more storage is added across the next ten years we can expect two outcomes:

- The cost of electricity is expected to stabilise or drop modestly.
- More storage capacity allows for more local rooftop solar systems, which can reduce dependence on the electricity grid during the day.



For more project FAQ's  
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## Want to know more?

For ongoing updates, go to  
[mondo.com.au/Phillipsland](https://mondo.com.au/Phillipsland)

For any questions, email  
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To get involved in this project, go to  
[totallyrenewablephillipsland.weebly.com](https://totallyrenewablephillipsland.weebly.com)