

# Mossman Gorge Microgrid Project Factsheet

## About the Mossman Gorge Microgrid Project

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In a first of its kind in Queensland, Ergon Energy Network is building a high-voltage, network connected microgrid on Kuku Yalanji Country at Mossman Gorge.

The Mossman Gorge community, along with the Mossman Gorge Cultural Centre and training facilities, are located around 2km inland from Mossman in Far North Queensland. The community's electricity is supplied by a single high-voltage powerline from the Mossman Substation around 10km away. Located at the end of this long powerline, at the fringe of the electricity grid, customers at Mossman Gorge experience a higher-than-average number of power outages.

In normal conditions, the Cultural Centre and community will be powered by the network. When there is a fault upstream on the high-voltage network, the microgrid will disconnect from the grid and operate in an 'island' mode, helping to improve the reliability and quality of the electricity supply.

### What benefits will the microgrid bring?

The microgrid will improve the reliability and the quality of the electricity supply for the Mossman Gorge community and Cultural Centre.

It will provide an alternate supply to the main grid during planned and unplanned outages.

The microgrid will provide Ergon with flexibility when operating the network, to separate the community from the main grid, while maintaining power supply to the community in most cases.

There is no additional cost for this improved reliability, or the power supplied by the microgrid.

### Where will the microgrid be located?

The microgrid will be located on a strip of unused land, owned by the Indigenous Land and Sea Council (ILSC), between the entrance of the Mossman Gorge Community Centre and the road to the cemetery.

### Snapshot of microgrid benefits



#### Improved power reliability

Delivering a more reliable power supply and better customer experience.



#### You pay the same for power

There is no additional cost for power when your electricity is supplied by the microgrid.



#### Improved quality of supply

The microgrid will provide network support services to improve the quality of the electricity supply.



Location of the Mossman Gorge Microgrid adjacent to the Cultural Centre.



### What is a microgrid?

In simple terms, the Mossman Gorge microgrid is a battery connected to the main electricity network, that can operate independently in 'island mode' to supply backup power when the main grid supply is disrupted or unavailable, like during network outages.

### What will the microgrid look like?

The microgrid will include a battery, an inverter, and communications equipment, which will be mounted on a concrete slab.

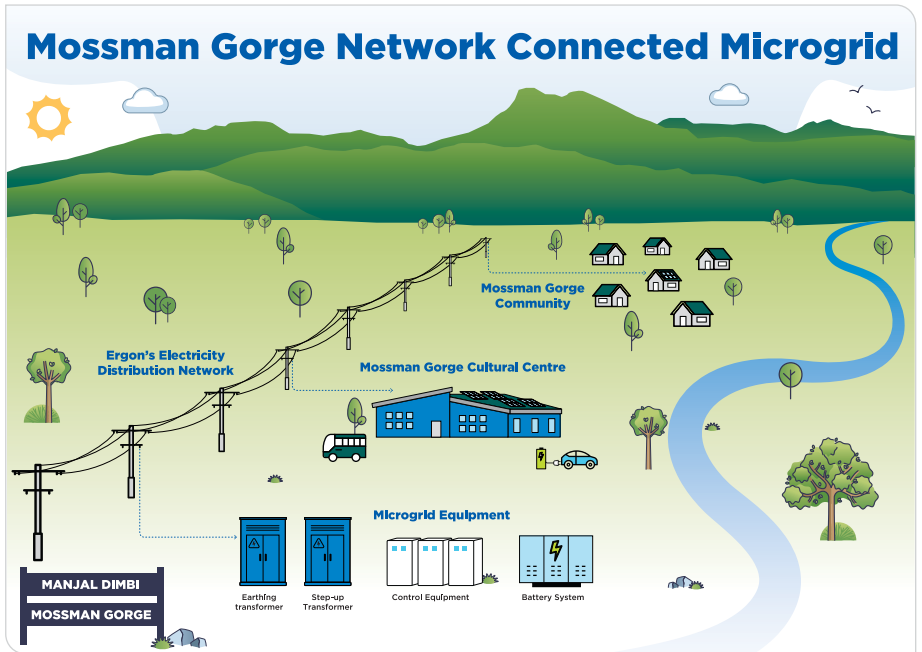
The microgrid equipment will be housed in secure cabinet enclosures. These enclosures will keep the batteries and equipment safe and secure, while allowing our team access, to monitor and maintain the equipment.

The microgrid equipment is connected to the main electricity network via an underground cable.

We're taking a collaborative approach and partnering with the community, to create an artwork design, to decorate the battery cabinet.

### What is the project timing?

Design of the microgrid and the tendering process commenced in late 2024. The project is expected to be complete and operational by the end of 2025.



Artist impression of the Mossman Gorge Microgrid.

You can contact our Community Engagement team, on 1300 653 055 or email us at: [NetworkProjectEngagement@energyq.com.au](mailto:NetworkProjectEngagement@energyq.com.au)



Ergon Energy Network acknowledges the Traditional Custodians of the land on which we live and work, and recognise their continuing connection to land, waters, and community. We pay respects to Elders past and present.



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