

# Townsville Community Scale Battery Storage Project

January 2019

**Yurika, as part of the Energy Queensland Group, is delivering the electricity network of the future, right here in Townsville, with the installation of the state's first community scale battery storage system.**

## We're looking to the future

We are taking the first exciting steps in delivering the electricity network of the future, right here in North Queensland, with the installation of the state's first community scale, grid-connected battery.

The 4 MW / 8MWh Tesla Powerpack is scheduled to be operational in time for the 2019/2020 summer.

Townsville was chosen for the grid-connected battery because of the city's high number of rooftop solar systems.

## Why install a community battery?

We are taking a cost-effective and an innovative approach to managing the reliability of the existing electricity network, which can be impacted by high electricity demand and high levels of residential solar.

Yurika's Community Scale Battery will explore the potential to defer investment in costly network infrastructure in the area, which in turn, will help to keep electricity prices down. This is achieved by charging the battery, using excess energy from the network during the day when costs are lower, and discharging the battery's stored energy back into the grid during times of high demand when electricity prices are higher.

Yurika's Community Scale Battery will help to reduce the volatility in wholesale electricity market by discharging its stored energy in response to high energy price events, further helping to keep electricity prices down.

The 4MW / 8MWh Community Scale Battery will add to the capacity of Yurika's Virtual Power Plant (VPP), building on the 135MW of existing capacity (the equivalent of 40,000 homes) already supporting Queensland's Ergon Energy and Energex electricity networks.

The battery will also allow more residential solar to be accommodated in the western suburbs of Townsville, while supporting network resilience during periods of peak demand, like during Townsville's hot summer months.

## Where will the battery be located?

The Community Scale Battery will be located on the site already earmarked for the future Ergon Energy Bohle Plains Substation, next to the Ring Road on Kalynda Parade at Bohle Plains.

The physical battery site is planned to be located away from the residential area, approximately 50 metres from the easement at the back of the estate at Spinifex Way.

Although the battery site will be cleared for construction, much of the vegetation in the area will be retained to keep the visual amenity and provide a natural sound buffer.



### What will the battery look like?

The Community Scale Battery will be a modern, modularised battery unit. The site will be a fully secured, hardstand site with four (4) rows of battery banks and an adjacent kiosk housing communications and electrical switching equipment.



### When will the project start?

There are a number of activities that need to be undertaken in preparation for the construction of the Community Battery. Some key project activities and timeframes are:

<b>Project Activity</b>	<b>Scheduled Timeframe</b>
Site surveying and assessments	Late Jan/early Feb 2019
Civil design and layout	July 2019
Site civil works	August 2019
Battery installation	October 2019
Commissioning	November 2019

### Getting in touch with us

If you have a question or would like to provide feedback, you can contact our Senior Community Engagement Advisor, Kate Austin, by telephoning 1300 653 055 or emailing [TownsvilleCommunityScaleBattery@energyq.com.au](mailto:TownsvilleCommunityScaleBattery@energyq.com.au)