

Mackay City Substation Upgrade



September 2019

Our work to improve electricity supply services to Mackay's CBD and eastern suburbs continues at our Mackay City Substation in Tennyson Street.

It's out with the old and in with the new – transformer replacement

A major milestone for the Mackay City Substation Refurbishment Project was reached in June. Ergon Energy crews worked closely with local crane operator, Universal Cranes, to remove an old transformer from the substation and replace it with a new transformer on the new substation site adjacent to the existing substation.

This was a complex activity which involved isolating the old transformer and its associated equipment from the high voltage network. The old transformer was prepared for decommission by Ergon Energy Substation crews who removed cables, fixtures and fans, and drained the oil from the transformer. It was then safely lifted out of the site by the Universal Crane team.

The new transformer was prepared in Rockhampton and transported to Mackay to be lifted into place.



Our teams worked closely with Mackay Regional Council, the semi-trailer transport drivers, the crane operators and the traffic controllers to plan and execute the lift to ensure that businesses could remain open and limit disruption to traffic in the CBD area.

We would like to thank the local businesses in Tennyson Street for your patience with the minor traffic disruptions that were required to safely lift the new transformer into place.



New transformer being crane lifted into place

Key construction dates

We understand that from time to time our works can be disruptive. We will continue to plan and prepare our works with our contractors and suppliers to minimise the impact on local businesses and residents. Key activities during the project are listed below:

Stage	Activity	Timing
Network Planning	<ul style="list-style-type: none"> Identify network constraints and undertake preliminary evaluation Research options Determine most appropriate solution 	Complete
Community Engagement	<ul style="list-style-type: none"> Inform community of project – meet with directly affected customers Distribute newsletters Update community on project progress and construction impacts Consider community feedback 	Ongoing
Planning Approval	<ul style="list-style-type: none"> Develop an Environmental Management Plan Undertake appropriate internal and external approval processes (including Material Change of Use - MCU) 	Complete
Construction	<ul style="list-style-type: none"> Finalise substation and powerline designs (complete) Commence civil construction (commenced February 2019) Transport substation buildings to Mackay (complete May 2019) Remove old transformer and install the new one (June 2019) Buildings moved to site (October 2019) Completion (early 2021) 	2018-2021

Please note that these dates may be subject to change.

Next steps...

Our next major project milestone is to lift the control room buildings into place using a large crane. We have scheduled this lift for the long weekend in October to reduce the impact of our works on the businesses in Tennyson Street. Our preparatory works for this activity will commence on site in Tennyson Street on Friday, 4th October, with the new buildings being lifted into place on the morning of 6th October.

Safely establishing the buildings on site will once again be a complex operation that will involve semi-trailers, cranes, traffic controllers and a number of staff and contractors on the ground.

To ensure a safe lift for our staff, contractors and the community, we will again be establishing traffic control in Tennyson Street. We will retain one-way through traffic, under traffic control, for most of the weekend, however we will need to completely close off the street for a few hours on the morning of Sunday 6th October for the crane to safely lift the buildings into place. During this time traffic control will direct traffic down Lawson or Carlyle Streets.

The power supply will not be interrupted during these works.

We once again thank our Tennyson Street businesses and patrons for your patience during this critical project activity.

Getting in touch with us

Our Senior Community Engagement Advisor, Kate Austin, will be on site and contactable during the weekend for the building lift to answer any questions that may arise from the community. You can contact Kate on 1300 653 055 or email us at: NetworkProjectEngagement@energyq.com.au

You can also keep up to date by visiting our project website: <https://www.ergon.com.au/network/network-management/network-infrastructure/major-projects/regions/central/tennyson-street-substation-refurbishment>