

# Mackay City Substation Upgrade



February 2019

Construction is scheduled to commence on the refurbishment of the 50-year old Mackay City Substation in Tennyson Street to improve electricity services to the CBD.

## About the project

Established in 1967, the Tennyson Street Zone Substation is a 50-year old substation supplying electricity to the Mackay CBD and eastern suburbs.

The Mackay City Substation Upgrade Project will replace the existing zone substation equipment with two new transformers, operating switchgear, and new powerline cables exiting the substation.



Current Tennyson Street Substation

The project aims to replace the ageing assets through our planned works program. This will ensure the switch from the existing to the new substation assets is completed in the safest, most controlled and least disruptive way possible.

The upgraded substation will be positioned on the site in a way that improves its appearance to the community. The buildings will be modern modular designs.

As a security measure, all of our substations are fully enclosed by fencing, to protect the community and to avoid any damage to electrical equipment. This fencing can be a combination of chain mesh and/or timber to provide screening of the substation from the street and help improve the appearance.



## We'll be onsite to manage the work

To allow us to monitor construction progress and site safety during the refurbishment works, we are establishing our site office adjacent to the substation site. Ergon plans to lease an office building, which is located opposite the substation site and has been vacant for some time.



We are in negotiations with the real estate office to arrange occupation of the site in early March.

This location will ensure our site office is based as close to the work site as possible, without impeding traffic in Tennyson Street with a drop-in style, modular site office.

## Civil Construction Contractor Appointed

The first phase of the refurbishment work will be the commencement of civil construction works. NF Corbett has been appointed as civil contractor for the main civil substation works which will begin February.



## Fabrication of modular buildings

The construction of our new modular substation buildings for the Mackay City Substation is taking shape. Fabrication is well progressed, with our substations team at our Banyo workshops, finalising the building construction and fitout with control panels and switchboards.



The buildings will be transported on flatbed semi-trailers from our Banyo workshops in Brisbane and lifted into place onsite in Mackay in July.

## Key construction dates

To ensure the least possible disruption to local businesses and residents, our planning and preparation work is well progressed.

Some key dates during the project are listed below:

Stage	Activity	Timing
<b>Network Planning</b>	<ul style="list-style-type: none"> <li>Identify network constraints and undertake preliminary evaluation</li> <li>Research options</li> <li>Determine most appropriate solution</li> </ul>	Complete
<b>Community Engagement</b>	<ul style="list-style-type: none"> <li>Inform community of project – meet with directly affected customers</li> <li>Distribute newsletters</li> <li>Update community on project progress and construction impacts</li> <li>Consider community feedback</li> </ul>	Ongoing
<b>Planning Approval</b>	<ul style="list-style-type: none"> <li>Develop an Environmental Management Plan</li> <li>Undertake appropriate internal and external approval processes (including Material Change of Use - MCU)</li> </ul>	Complete
<b>Construction</b>	<ul style="list-style-type: none"> <li>Finalise substation and powerline designs (Feb 2019)</li> <li>Order equipment and materials (complete)</li> <li>Commence civil construction (Feb 2019)</li> <li>Removal of old transformer (April 2019)</li> <li>Substation buildings delivered (July 2019)</li> <li>Completion (June 2020)</li> </ul>	2018-2020

Please note that these dates may be subject to change.

## Getting in touch with us

For more information about the Mackay City Substation Refurbishment Project, or to provide feedback, please contact our Senior Community Engagement Advisor, Kate Austin on 1300 653 055 or email us at:

[NetworkProjectEngagement@energyq.com.au](mailto:NetworkProjectEngagement@energyq.com.au)

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