

Tennyson Street Substation Upgrade

September 2018

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 substation and associated equipment are reaching operational and capacity constraints due to economic growth and the age of the equipment.

The Tennyson Street 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

Preparation works set to begin

In preparation for the commencement of the substation refurbishment works, a range of preliminary work will take place over the coming months.

One of the first aspects of these preliminary works involves hydro excavation around the substation site. We have engaged Council's preferred contractor to undertake these works and excavation is scheduled to commence in early September. The hydro excavation will be used to confirm the location of underground assets such as water mains, electricity and stormwater pipes.

Hydro excavation is a form of non-destructive excavation that uses highly pressurised water and a high volume suction vacuum. First, small cuts will be made into the ground or bitumen to provide an entry hole. Then the ground is loosened using a jetting rod with high pressure water (similar to a household gurney) and the high volume suction vacuum removes the water and loosened dirt to provide access to the underground assets. We will conduct our tests and then these access holes will be backfilled and the bitumen reinstated.



Hydro Excavation Access Point

As part of the hydro excavation, there will be some localised noise and dust and some locations may require partial road closures. We are planning these works to ensure minimal disruption to the community and thank you for your patience whilst these works progress.

Project contact details

For more information or to provide feedback about the Tennyson Street Substation Refurbishment Project, please contact our Community Engagement Manager, Kate Austin on 1300 653 055 or email community@ergon.com.au.