

# Magnetic Island Network Upgrade Project Update



NETWORK

Part of Energy Queensland

August 2025

## Major works scheduled around Nelly Bay and Arcadia

### Nelly Bay to Arcadia Upgrades

Early civil works to install conduits for the new electrical cable, that will run between Nelly Bay and Arcadia, were completed in early June - see Figure 1.

These early works have laid the foundation for the next phase of work to install the new 11,000-volt cable and ultimately remove the section of overhead powerline that runs through the National Park - see Figure 2.



Fig 1 – Early civil works to install conduits were completed in June.



Fig 2 – The line route for the new underground cable and the location of the powerline being removed from the National Park.

### Overhead electricity works

The next stage of work for the Nelly Bay to Arcadia Network Upgrade project is to complete some changes to the overhead network on the corner of Bright Avenue and McCabe Crescent at Arcadia and in Sooning Street at Nelly Bay. This work involves installing a couple of poles to connect the new underground cable to the surrounding electricity network.

The **overhead works are scheduled to kick off on 13<sup>th</sup> July** at the McCabe Crescent site at Arcadia where the crews will install a new pole - see Figure 3 - and then on 14<sup>th</sup> July, they will head over to the Sooning Street site - Figure 4.



Fig 3 – Location of new pole and worksite on the corner of Bright Avenue and McCabe Crescent, at Arcadia.

The community can expect to see increase in vehicles and equipment including our large bucket trucks, pole borer/lifters, and utility vehicles in and around these work sites. There may also be an increase in noise and dust during the works.



Where it's required for the safety of the community and our crews, we will have traffic and pedestrian management measures in place.



Fig 4 – Location of new pole and worksite at Sooning Street, Nelly Bay.

### Nelly Bay to Arcadia underground electricity works

Once the overhead works are complete in mid-August, the new 1.5km section of underground cable between Nelly Bay and Arcadia can be installed.

The underground works stage is **scheduled to commence on 21<sup>st</sup> August and be complete by 29<sup>th</sup> August.**

This phase of underground works will be both technically and logistically challenging.

With a couple of worksites located along Magnetic Island Road the work will cause some disruption to residents travelling between Nelly and Arcadia. Residents can be assured that the team have planned the works to minimise disruptions and keep everyone safe.

To complete the works, our specialised underground crews and civil contractors will need to open four bays between Nelly Bay and Arcadia - see Figure 5. It is in these bays where Ergon's underground team will locate the conduits that were installed in the early works in June and pull the new section of cable through before joining them up.

The contractors will start by opening bays using a vacuum truck at each end of the 1.5km cable run, at Sooning Street and the corner of Marine Parade and Bright Avenue - labelled in Figure 5 as Base and Bay 3 respectively.

These bays are located near the overhead network where the new cable will be connected to supply the surrounding network.



Fig 5 – Locations of underground cable bays.



The most challenging sections of the underground works will be at Bays 1 and 2 along Magnetic Island Road – see Figures 6 and 7.

Here the bays are in the roadway, so the worksites will require Magnetic Island Road to be reduced to a single lane under traffic control under a 'stop/go' traffic light system while the work at Bays 1 and 2 is in progress.

The pedestrian walkway will remain open, but with a number of heavy and utility vehicles operating around the joint bays, traffic controllers will escort pedestrians around the worksite, helping to keep the public safe.



Fig 6 – Location of cable Bay 1 on the corner of Arcadia Road and Magnetic Island Road.



Fig 7 – Location of cable Bay 2 at the corner of Magnetic Island Road and Marine Parade, Arcadia.

There will be some short delays, so it's recommended that while the works are underway, drivers allow a little extra time if they are travelling between Nelly Bay and Arcadia.

We understand that these planned upgrades to the overhead and underground electricity network will result in some impacts to the Magnetic Island community.

Our teams have planned the work to minimise disruptions; however, these are complex jobs, and we want to make sure our crews and the community remain safe.

We thank you for your patience while we complete these projects. For your safety and the safety of the workers on site, **please adhere to traffic signs and directions around our worksites.**

Please also note:

1. If these works affect your power supply, you will be notified of the outage details by mail.
2. All works are subject to weather and other site conditions and, while we aim to complete the work within the scheduled timeframes, published timing may need to change.
3. Not all work on Magnetic Island will be communicated in a Project Newsletter. You may also see Ergon crews and our contractors completing other work on Magnetic Island, like our regular maintenance activities and customer service jobs that are not part of these network upgrade projects.

## Getting in touch with us

Want to know more? You can [visit our project webpage](#) for more information.

You can **register for future project updates by simply scanning the QR code**, or contacting our Senior Community Engagement Advisor on 1300 653 055 or email us at:

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

