

# Replacement of high voltage electricity transmission lines in your area

May 2017

Dear resident,

We are providing you with information about upcoming works Powerlink Queensland will be undertaking on the electricity transmission network in your local area. The project involves replacing the existing 3.8 kilometres of double-circuit transmission lines between the Garbutt and Alan Sherriff substations with a single transmission line.

The transmission lines are nearly 60 years old and have reached the end of their technical service life. This project will ensure the ongoing safe and reliable supply of high voltage electricity to Townsville and the surrounding region.

**Preliminary works will commence in late May 2017, with full on-ground construction activities expected to start in July 2017. The project is scheduled for completion in December 2017 (weather permitting). These activities will not result in any planned electricity outages.**

## Overview of works

Replacing the transmission lines will involve de-stringing and removing the two parallel existing 132kV transmission lines (including the 20 steel transmission towers) and replacing them with a single new 132kV line with 12 steel poles. This will be undertaken in a staged way – one line will be removed first, followed by construction of the replacement line with poles, then the second line will be removed. One line will be kept in operation at all times until the replacement line is in service to maintain secure electricity supply to the Townsville area during replacement works.

The project also includes the replacement of two existing transmission poles leading into the Alan Sherriff Substation to align with aviation authority requirements.

Please refer to the attached map for more information on the project's location.

## Land access and minimising impacts

The existing Garbutt to Alan Sherriff transmission lines are located within the Dalrymple Road reserve (managed by the Department of Transport and Main Roads), with access from surrounding streets and service roads. Powerlink will be working with local residents, businesses and stakeholders to keep them informed of our activities.

All works will be undertaken in accordance with Powerlink's Land Access Protocol (LAP). At all times, we aim to conduct our activities with as little disruption as possible to the community.

To minimise inconvenience, normal working hours will generally be restricted to 6.30am to 6.30pm, Monday to Saturday.



## Traffic management

To ensure the safe completion of these essential works, traffic management will be required at certain times throughout the project. This will include temporary closures on Woolcock Street, Bayswater Road, Duckworth Street, Nathan Street and Angus Avenue at specific points in the project's progress.

Pedestrian and bikeway traffic may also need to be temporarily diverted at times and alternative routes will be provided where possible to minimise disruption. We thank local motorists, cyclists and pedestrians in advance for their patience and cooperation while construction is underway.

## Upcoming vegetation management works

Vegetation management works will also be undertaken in key areas where some trees and shrubs have encroached on safe clearance zones for the existing transmission lines and towers. This work is required to ensure the safe and secure operation of the existing and replacement lines and is expected to occur in late June (weather permitting).

A preliminary review has been undertaken, identifying what vegetation may require trimming and/or removal. Powerlink acknowledges the broader impacts of this work. Alongside our requirement for having safe and clear access to and around our transmission infrastructure, we understand visual amenity and community impacts are important.

We would like to reassure you that replanting will occur to offset the removal of trees in this area. We will be undertaking a community and environmental initiative to plant suitable replacement species at a safe distance from our transmission towers and lines.

## Community and environmental initiative

As mentioned, as part of our commitment to offset the required vegetation management works and potential impacts from the line replacement project, Powerlink will deliver an initiative that ensures positive and tangible outcomes in your local area. We are currently working alongside Townsville City Council to identify suitable opportunities to partner with local community and environmental groups on this work. More information will be provided about this in due course.

## Further information

If you would like more information or to discuss these planned activities face-to-face, please contact:

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Landholder Relations Advisor  
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Email: [dmonaghan@powerlink.com.au](mailto:dmonaghan@powerlink.com.au)

Alternatively, visit our website at [www.powerlink.com.au](http://www.powerlink.com.au) (go to 'Projects' > 'Northern').

### **About Powerlink Queensland:**

*Powerlink is a State Government Owned Corporation, which owns, develops, operates and maintains the high voltage electricity transmission network that extends 1700km from north of Cairns to the New South Wales border. Find out more about Powerlink: [www.powerlink.com.au](http://www.powerlink.com.au) (go to 'About Powerlink').*





# Garbutt to Alan Sherriff Transmission Line Replacement Project

**LEGEND**

- Land Parcel
- Existing Powerlink Substation
- Existing 132kV Transmission Line to be replaced
- New 132kV Transmission Line
- Existing 132kV Transmission Line
- Existing Transmission Tower to be replaced
- New Transmission Pole
- Existing Transmission Tower

The scale of this map is approximate only. It is not to be reproduced or copied without the expressed permission of Powerlink Queensland.

