

Genex Kidston Connection Project

POWERLINK QUEENSLAND

Construction and project highlights

- It has been a very busy and productive year for the Genex Kidston Connection Project, with construction nearing completion following a wet start to the year.
- All 348 transmission towers have been erected along the 186km line, marking a key project milestone.
- Transmission line conductor stringing has also progressed well with 110km of line now strung.
- While the majority of stringing work was completed by helicopter, 13.5km of drone stringing was also undertaken, and we are looking to use drones on additional sections of line.
- Construction of our Guybal Munjan and Aurumfield switching stations is now complete with final testing and commissioning works planned for the new year.

Guybal Munjan Switching Station

The name 'Guybal Munjan' is the Indigenous Cultural Intellectual Property of the Gugu Badhun Aboriginal Corporation (GBAC) and is now a registered trademark owned by the GBAC.

You can view the approved notice from GBAC that underpins the formal agreement for respectful use of this substation name on our project webpage by scanning the QR code at the back of this newsletter.



Powerlink acknowledges the Traditional Owners and their custodianship of the lands and waters of Queensland and in particular, the lands on which we operate. We pay our respect to their Ancestors, Elders and knowledge holders and recognise their deep history and ongoing connection to Country.



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Construction activity update

Switching station progress

Aurumfield Switching Station, Kidston

Construction of the Aurumfield Switching Station is now complete, with testing and commissioning works scheduled to commence in Q2 2025.

Guybal Munjan Switching Station, Mount Fox

The Guybal Munjan Switching Station was completed in December 2023 and is now connected to our 275kV network. Final testing and commissioning works will be completed in Q2 2025.

Transmission line progress

All transmission towers along the 186km alignment have now been erected, including two 85m tall towers. Completion of tower erection marks a significant milestone on this project and is the culmination of a significant body of work with our hosting landholders and delivery partners.

Our focus now turns to completing the stringing of the high voltage powerline, which is 70% complete.

Towers soaring high - Constructing our 85m towers

Our two 85m towers are some of the tallest transmission towers on Powerlink's 275kV network.

Straddling Hopewell Creek, these towers are built to withstand flooding that occurs in this area, ensuring we keep Queenslanders safely and reliably connected to power during natural disasters.

The towers were assembled using a 250 tonne crane stretching 90m high. The logistical and transport constraints involved in mobilising such a large crane to a remote site, over challenging terrain, is testament to the strong working relationship we have with our delivery partners.

Each tower is made up of 71.5 tonnes of steel and 25 cubic metres of concrete. With foundations extending 5.8m by 1.2m, these towers will remain standing strong in our network for many years to come.



One of our 85m towers next to Hopewell Creek

Drone stringing reaps rewards

Powerlink, in partnership with aviation and aerospace component manufacturer Infravision, have been recognised by the Australian Financial Review in their inaugural Energy Awards for applying innovative practices in the energy sector.

The award recognises the implementation of drones to string the longest section of high voltage transmission line in the Asia-Pacific region as part of the connection of Genex's Kidston Clean Energy Hub to the grid.

The technology has proved beneficial in reducing impacts to landholders and the environment, eliminating safety risks and reducing the project's vegetation clearing footprint.

Powerlink and Infravision have now embarked on a multi-year agreement which will see drone stringing considered for all transmission projects across Queensland.

The agreement will see Infravision supply a package that combines drones, smart puller tensioners and specialised payloads into one system that strings powerlines, installs hardware and conducts inspections.



Community investment update

Powerlink's community investment activities are aimed at supporting initiatives and projects that focus on creating sustainable communities and assist with economic development, enhance community and social capacity, build resilience and create positive legacies.

Since the Genex Kidston Connection Project began construction, more than \$470,000 in community investment funding has been committed. This funding has supported 49 community investment initiatives across the Charters Towers, Etheridge and Hinchinbrook local government areas including:

- funding the installation of solar panels on the Queensland Country Women's Association facility in Ingham
- donating supplies for the Greenvale Horse Sports barbecue in November 2024
- supporting Ingham Meals on Wheels with a donation of a new commercial oven to help them meet increased demand for their services
- providing prizes for the Greenvale State School's end of year Awards Night
- supporting the refurbishment of the Greenvale Seniors Club
- working with Etheridge Shire Council to install smart LED lighting in community parks
- funding to provide paramedic support during the 2024 Greenvale Campdraft and Challenge event
- supporting the Einasleigh Progress Association to construct a cricket pitch in Einasleigh. Once built, the new pitch and other supporting infrastructure will also provide opportunities for social functions throughout the year
- supporting a four-day training course in operating agricultural machinery to prepare participants for the 26-week cane harvesting season.

For more information about Powerlink's community investment activities, please contact community@powerlink.com.au or visit www.powerlink.com.au/community-investment.



Greenvale Campdraft Participants

Construction progress

(as per December 2024)

Transmission Line

Site clearing and access:



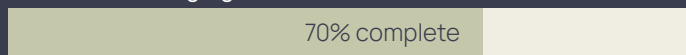
Foundation works:



Tower assembly and erection:



Conductor stringing:



Guybal Munjan Switching Station

Site clearing and earthworks:



Civil works:



Plant delivery:



Assembly works:



Electrical works:



Testing and commissioning:



Aurumfield Switching Station

Site clearing and earthworks:



Civil works:



Plant delivery:



Assembly works:



Electrical works:



Testing and commissioning:





Guybal Munjan Switching Station

About Powerlink

Powerlink is a Government Owned Corporation that owns, develops, operates and maintains the transmission network in Queensland.

We connect Queenslanders to a world-class energy future, providing electricity to more than five million Queenslanders and 241,000 businesses. We are also responsible for connecting large-scale renewable energy developments, including wind and solar, and providing electricity to large industrial customers in the rail, mining and LNG sectors.

About the Kidston Clean Energy Hub

Genex Power Limited is developing the Kidston Clean Energy Hub, which comprises the Kidston Pumped Storage Hydro Project in combination with wind and solar, approximately 270km north-west of Townsville. This facility will connect to the Queensland grid via a new 275kV electricity transmission line and switching stations, collectively referred to as the Genex Kidston Connection Project (visit www.genexpower.com.au for more information). Powerlink has been engaged by Genex to deliver this project.

Further information

For more information on the Genex Kidston Connection Project, please contact:

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Scan the QR code or visit powerlink.com.au/genex to read more on our project webpage.

Happy holidays

Our Genex Kidston Connection project team would like to sincerely thank landholders, Traditional Owner groups, the local community and other stakeholders for their support as we continue to deliver this project.

We wish you all a safe and relaxing festive season and a very happy new year.

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