

# Southern Queensland Transmission Update

## POWERLINK QUEENSLAND

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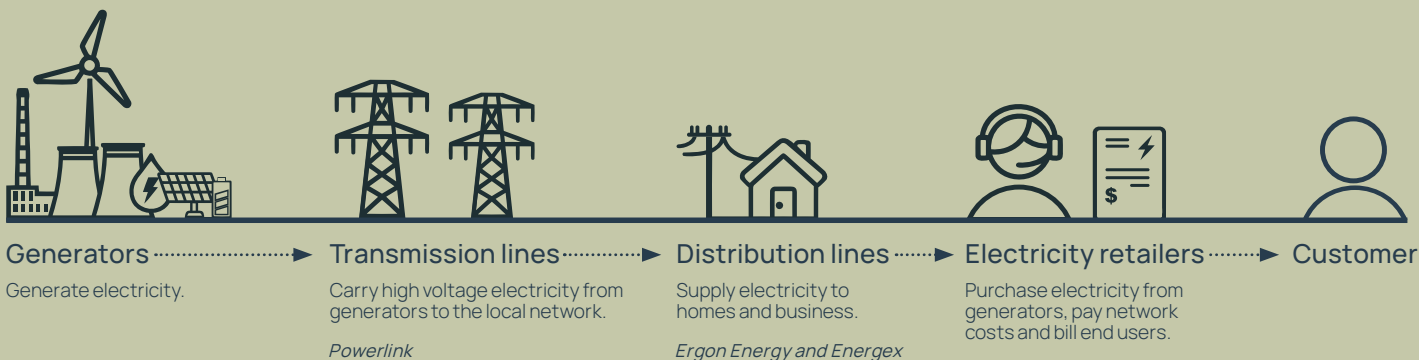
- Latest project updates
- Our investment and support for Southern Queensland communities
- SES sponsorship initiatives throughout the region
- How to submit your questions about Queensland's transmission network

### About Powerlink

Powerlink is a leading Australian provider of electricity transmission services, focused on delivering a safe, cost-effective and reliable network for our customers. Our network extends 1,700 kilometres (km) from Cairns to the New South Wales border and comprises 15,559 circuit km of transmission lines and 154 substations.

Our purpose is to connect Queenslanders to a world-class energy future, providing electricity to more than five million Queenslanders and 241,000 businesses. As well as connecting large generators to end-use customers through the distribution networks owned locally by Energex, we also provide electricity directly to large industrial customers such as rail companies, mines and mineral processing facilities.

### Electricity supply chain



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.



Freecall 1800 635 369  
[powerlink.com.au/projects](http://powerlink.com.au/projects)



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## Our current projects

Powerlink is currently managing a number projects in Southern Queensland, which are in different stages of progress. To find out more please visit the respective webpage.

Project	Update
<b>Bungaban Wind Farm Connection Project</b>  <a href="https://powerlink.com.au/bungaban">powerlink.com.au/bungaban</a>	<p>Renewable energy company Windlab has engaged Powerlink to investigate transmission line connection options for their proposed Bungaban Wind Farm.</p> <p>In November 2024, Powerlink released the Corridor Options Report for the project. Feedback on the options closed in mid-December 2024. Feedback collected during that period highlighted an area for further investigation which took place in March 2025.</p> <p>Incorporating the feedback gathered, a recommended corridor was released in April and following further consultation with stakeholders, a final corridor was released in July 2025.</p> <p>In late 2025, Powerlink will lodge an <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC) referral with the Federal Department of Climate Change, Energy, the Environment and Water (DCCEEW).</p>
<b>Borumba Pumped Hydro Transmission Connections Project</b>  <a href="https://powerlink.com.au/borumbatransmission">powerlink.com.au/borumbatransmission</a>	<p>Powerlink continues to work with Queensland Hydro (QH) to develop the transmission infrastructure essential for connecting the proposed Borumba Pumped Hydro Energy Storage (PHES) Project to the electricity grid.</p> <p>QIC is leading a refreshed business case aligned with the Queensland Government's five-year energy roadmap and future energy needs.</p> <p>To support this process, Powerlink is continuing early works including environment and planning approvals for the project. This approach ensures we remain ready to move into future project stages as approvals progress.</p> <p>The Borumba to Halys EPBC referral was lodged in August and received 63 submissions. In September, DCCEEW determined the project to be a controlled action, requiring further assessment through a public environment report (PER). DCCEEW prepared guidelines for the PER which will be available for public comment.</p> <p>For the Borumba to Woolooga connection, seasonal ecological surveys were completed earlier this year. Powerlink will continue preparatory works for planning and environmental approvals. Powerlink will work closely with QH to progress the project in line with the QIC review.</p>
<b>Wambo Wind Farm Connection Project</b>  <a href="https://powerlink.com.au/wambo">powerlink.com.au/wambo</a>	<p>The Wambo Wind Farm is a renewable energy development located near Jandowae. Powerlink has been engaged by Stanwell and Cubico Sustainable Investments to connect the wind farm to the transmission network.</p> <p>Construction of the transmission line and towers was completed in late 2024.</p> <p>To support future stages of the wind farm, Powerlink has been progressing with the expansion of the Diamondy Substation facilitating an additional 250MW of renewable energy into Powerlink's transmission network.</p> <p>Construction of the substation expansion is scheduled for completion in late 2025, with testing and operational commencement anticipated by mid-2026.</p>
<b>Belmont Substation Upgrade Works</b>	<p>Powerlink is undertaking critical upgrades at the Belmont Substation, including works on two 11kV underground cables, two station service transformers and two auxiliary transformers. This substation plays a critical role in servicing the electricity requirements of the Brisbane CBD, south-eastern suburbs and Port of Brisbane.</p> <p>The two 11kV cables, originally installed in 1971, reached the end of their service life and were replaced in 2023. Similarly, the station service transformers had reached the end of their technical service life, with new transformers installed in 2023.</p> <p>The two auxiliary transformers are over 40 years old and not compatible with modern cable termination technology. One was replaced and commissioned in 2023, and works on the second are underway, with commissioning scheduled later this year.</p> <p>Additionally, Powerlink is undertaking the installation of new busbars and related equipment to interface with the adjacent Energex substation. Commissioning of these assets is scheduled for the second quarter of 2026.</p>

Project	Update
<b>Tangkam and Oakey Secondary Systems Replacement</b>	<p>Major system replacement works are underway at Powerlink's Tangkam and Oakey substations, located about two hours west of Brisbane. These upgrades are essential as existing equipment reaches the end of its service life.</p> <p>Civil works commenced in August 2025 and will continue through to the end of the year. This includes earthworks, foundation construction, AC board and cable installation, and extensions to trenching and drainage systems.</p> <p>New control buildings are currently undergoing factory acceptance testing at Powerlink's headquarters in Virginia. They will be shipped and installed at Tangkam and Oakey in the first quarter of 2026.</p> <p>Following installation, the sites will undergo site acceptance testing, which is a rigorous process to confirm that all systems and equipment meet the quality standards, operate safely, and are fully functional. Commissioning is scheduled for late 2027.</p>
<b>Redbank Plains Substation Upgrade Project</b>  <a href="https://powerlink.com.au/redbank">powerlink.com.au/redbank</a>	<p>The Redbank Plains Substation, located around 27km south-west of Brisbane, was established in 1985 and supplies electricity to Energex's local distribution network. It also provides additional switching capability for alternative power transfer between our Blackstone and Goodna substations.</p> <p>Both transformers, along with a range of ageing equipment in the substation, are nearing the end of their technical service life and require replacement to maintain the ongoing safe, reliable and cost-effective supply of electricity into the future. Works to install new equipment commenced in February 2025 and are scheduled for completion in late 2026.</p>
<b>Sumner Substation Secondary Systems Replacement Project</b>	<p>Sumner Substation was established in 2006 to meet the increasing electricity demand in the western suburbs of Brisbane.</p> <p>The protection and control equipment at the Sumner Substation is now nearing the end of its technical service life.</p> <p>Powerlink is trialling an innovative approach that involves replacing individual protection relay and control equipment, rather than replacing entire control buildings or panels.</p> <p>Planning for this complex project began in 2020 with on-site works commencing in July 2024.</p> <p>The two-year pilot intends to achieve significant cost savings while improving safety outcomes.</p>





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# POWERLINK QUEENSLAND'S TRANSMISSION NETWORK IN SOUTHERN QUEENSLAND - NOVEMBER 2025

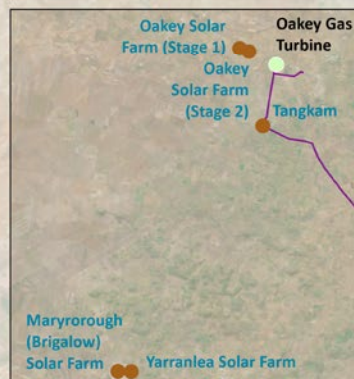
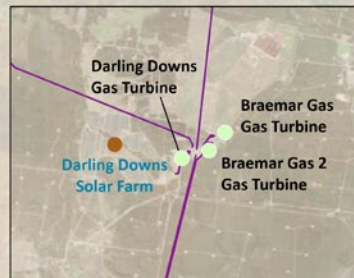
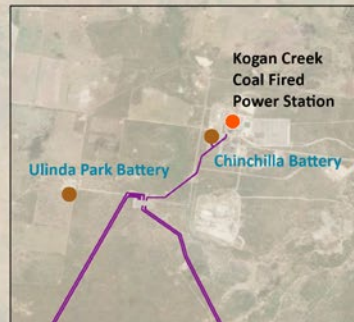
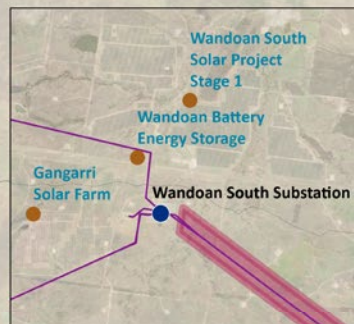
## LEGEND

- Existing Powerlink Substation
- Coal Fired Power Station
- Gas Turbine
- Existing Powerlink Transmission Line
- Highway
- Wambo Wind Farm Connection Project
- Borumba Pumped Hydro Transmission Connections Project
- Bungaban Wind Farm Connection Project
- Operating Renewable Energy Project (non Powerlink)

Data sourced from Queensland Treasury Electricity generation map  
[www.electricity-generation-map.treasury.qld.gov.au](http://www.electricity-generation-map.treasury.qld.gov.au)

### Potential Renewable Energy Project (non-Powerlink)

Projects included are at connection application stage. Location of renewable energy projects is indicative and not to scale. Project related data has been sourced from either the proponents' websites (public domain) or the AEMO KCI Quarterly Report: [bit.ly/AEMO-NEM-generation](http://bit.ly/AEMO-NEM-generation).





## Investing in and supporting our Southern Queensland communities

### Powerlink's 2025 Community Grants

Powerlink's latest round of community grants for local community groups, clubs, and not-for-profit organisations closed on 22 August 2025.

In Southern Queensland, we received more than 70 applications from local government areas including Gympie, South Burnett, Somerset, Toowoomba, Western Downs, and Southern Downs.

We remain committed to supporting our local Queensland communities. To keep up-to-date on our community grants program visit: [powerlink.com.au/community-grants](https://powerlink.com.au/community-grants).

### Sponsoring Surat Basin Energy Awards

In August 2025, Powerlink was proud to sponsor Toowoomba and Surat Basin Enterprise's (TSBE's) third Surat Basin Energy Awards celebrating the people and businesses shaping energy in Toowoomba and the Surat Basin. The event wrapped up with a black-tie night in Dalby.

With energy coming from natural gas, coal and renewables, the region continues to play a significant role in Australia's energy market. Powerlink was proud to sponsor and present the Coexistence Award to Origin Energy.



Powerlink proudly presenting the Coexistence Award to our friends in Origin Energy.

### Blackbutt AvoFest

The annual Blackbutt AvoFest in September 2025 was a massive hit. Our Powerlink team had a great day attending the festivities, hosting an information stand, and chatting with locals about our projects and our role in the energy system.

It was fantastic to hear first-hand what matters most to the community and their region while soaking up the vibrant atmosphere and eating an avocado or two. Powerlink was proud to support this incredible event with a donation to help with logistics and coordination, and we're already looking forward to participating again.



Members of the Borumba Transmission Connections Project Team meeting the AvoFest mascot.

### Wandoan Camel Races

The Powerlink team joined the local Wandoan community at the biannual Wandoan Camel Races, organised by the Wandoan Kindergarten Association. This important fundraiser helps to provide the vital service of family daycare to the Wandoan community.

In addition to the Wandoan and District Kindergarten Association being one of last year's successful recipients of Powerlink's Community Grants, our team volunteered to support the organising committee at the front gate and joined WindLab, Cubico and GRS/Vena Energy at an information stall.

We appreciated the conversations we had with visitors who stopped to chat with the team to learn more about Powerlink's role in the energy supply chain and our projects in the region.



Powerlink representatives at the Wandoan Camel Races.

### Wandoan 'What's Next?' Community Dinner

We were very grateful to the Wandoan Community, Commerce and Industry Association for welcoming us to their 'What's Next?' Community Dinner.

It was fantastic to connect with so many locals and share updates on our work in the region, including the transmission connection for the Bungaban Wind Farm.



Ready to connect with locals at the Wandoan 'What's Next' community dinner.

### Support for SES groups across the region

More than \$300,000 in essential new equipment has been provided to over 180 State Emergency Service (SES) groups throughout Queensland this year, with a particular emphasis on regions such as Toowoomba, Roma, the Gold Coast and Kingaroy. The Energising Queensland SES Program—jointly delivered by Powerlink, Ergon Energy Network and Energex—recently celebrated a key milestone with the final handover of equipment in Kingaroy.

This funding allows SES groups to apply for resources to purchase critical equipment, strengthening their ability to support and protect local communities. The ongoing partnership demonstrates our commitment to the Queensland SES and highlights our shared dedication to community safety and resilience.



At the SES equipment handover event in Kingaroy to better equip our 'orange army'.





## Got a question about our transmission network?

Ever wondered how electricity travels across Queensland's high voltage transmission network? Maybe you've got questions about how power gets from generators to homes and businesses, what happens during outages, or how upgrades are planned and delivered. Whether you're curious about the safety measures in place, the role of substations, or how our network safely and reliably provides electricity to more than five million Queenslanders, we're here to help.

Simply reach out to our team via our website, email or telephone. Your questions help us improve and deliver the information that matters most to you.

## Energy Roadmap released

The Queensland Government recently released their Energy Roadmap to deliver affordable, reliable and sustainable energy for Queenslanders.

Find out more at:  
[treasury.qld.gov.au](https://treasury.qld.gov.au)

## Further information

For further information on our activities in Southern Queensland please:

**Email:** [sqprojects@powerlink.com.au](mailto:sqprojects@powerlink.com.au)

**Phone:** 1800 635 369 (Monday to Friday, 7.30am – 5pm).

Landholders of our current projects are also welcome to contact their Landholder Relations Advisor.

Freecall 1800 635 369  
[powerlink.com.au/projects](https://powerlink.com.au/projects)



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