

Customer Panel Regulatory Investment Test for Transmission (RIT-T) Update

Update prepared for the Powerlink Customer Panel meeting on 18 September 2025.

Key points

One Project Specification Consultation Report (PSCR) was published in the period. The PSCR for *Addressing the Risk of Current Transformer Failures* identifies options for the replacement of our fleet of a specific type of 275kV current transformers that are experiencing premature failure. The indicative capital cost of the RIT-T program for the preferred option is \$86.35 million in 2024/25 prices.

One Project Assessment Conclusions Report (PACR) was published in the period, *Addressing System Strength Requirements in Queensland from December 2025*. The PACR confirmed the preferred option from the PADR and includes up to nine synchronous condensers by June 2034 and contracting services from synchronous units and grid-forming battery energy storage systems. The indicative capital cost of the RIT-T program for the preferred option is in the order of \$135 million per synchronous condenser.

In progress and upcoming RIT-T consultations

There are four PSCR documents expected to be published in the next quarter:

- *Addressing the risk of Trench-type current transformer failures in northern, central and southern Queensland* (Normal RIT-T)
- *Maintaining the quality of supply and addressing condition risks at Strathmore* (Minor),
- *Maintaining reliability of supply and addressing condition risk at Tennyson Substation* (Minor)
- *Maintaining reliability of supply at Townsville South Substation* (Minor) which is a reapplication of the RIT-T due to a change in the preferred option.

There is one PADR document expected to be published in the next quarter:

- *Addressing the Risk of Current Transformer Failures* and one PACR document for *Maintaining Reliability of Supply and Addressing Condition Risks at Ingham South*.

Gladstone Project Priority Transmission Investment (PTI)

The Gladstone PTI is currently undergoing review by government through the appointment of the suitably qualified person, being the AER.

- Key timeframes:
 - 19 September 2025 – AER to submit advice to Queensland Treasury on whether Powerlink has assessed this investment in accordance with the Minister's direction; and
 - 20 March 2026 – AER to submit advice to Queensland Treasury
- Link to Information on the Gladstone project [Priority Transmission Investment: Gladstone Project | Projects](#)

Current RIT-T Consultations and Engagement Levels

New consultations shown in blue

Engagement level	Project characteristics	RIT-T consultations (stage)	Potential engagement activities
Normal	<ul style="list-style-type: none"> Non-network options unlikely No material market benefits identified 	Addressing the risk of current transformer premature failures in Queensland (PSCR)	<ul style="list-style-type: none"> Notification to Powerlink Non-network Engagement Stakeholder Register AEMO Notice and summary Publication of RIT-T project details on Powerlink's website
Minor (PADR exempt)	<ul style="list-style-type: none"> Non-network options unlikely No material market benefits identified Preferred option <\$46 million 	Maintaining reliability of supply and addressing condition risks at Ingham South (PSCR)	<ul style="list-style-type: none"> Notification to Powerlink Non-network Engagement Stakeholder Register AEMO Notice and summary Publication of RIT-T project details on Powerlink's website Dedicated email contact Project fact sheet Alerts through Powerlink's Twitter and LinkedIn accounts
Normal	<ul style="list-style-type: none"> Minor network reconfiguration/material impact on network users Possibility of non-network options Material market benefits identified 	Maintaining Reliability of Supply to Kamerunga, Cairns and Northern Beaches Area (PSCR) - Joint RIT-T with Ergon Energy	<p>In addition to engagement activities identified at minor level:</p> <ul style="list-style-type: none"> Webinars Stakeholder briefings Discussion at Powerlink Customer Panel
Complex	<ul style="list-style-type: none"> Network reconfiguration/material impact on multiple network users Likelihood of non-network options Significant market benefits identified 	Addressing System Strength Requirements in Queensland from December 2025 (PADR)	<p>In addition to engagement activities identified at minor and/or normal level:</p> <ul style="list-style-type: none"> Dedicated engagement forum to analyse project options Where relevant, issue additional documentation such as methodology and assumption papers