Recently Commissioned and Committed Network Developments

10.1 Connection works
10.2 Network developments
10.3 Network reinvestments
10.4 Uncommitted network investments
10.5 The Gladstone Project
10.6 Asset retirement works

10

10. Recently commissioned and committed network developments

Powerlink continues to support the development of energy projects in Queensland. Since publication of the 2025 Transmission Annual Planning Report (TAPR) one network augmentation, 12 reinvestment projects, and seven connection projects have been completed, including four battery energy storage system (BESS) connections. This chapter also presents a snapshot of recently commissioned projects and projects that are committed or awaiting commencement since completion of the Regulatory Investment Test for Transmission (RIT-T) or Priority Transmission Investment (PTI) process.

Key highlights

- During 2025/26, Powerlink's delivery efforts remained predominantly directed towards connecting generation and reinvestment in transmission lines and substations across Powerlink's network.
- Powerlink's regulated investment program focuses on reducing the identified risks arising from assets reaching the end of technical service life and maintaining network resilience, while continuing to deliver safe, reliable and cost-effective transmission services to our customers.
- Powerlink has completed one augmentation and 12 reinvestment projects since the publication of the 2025 TAPR.
- Powerlink continues to support the development of all types of energy projects requiring connection to the transmission network in Queensland.
- Three connection projects were completed, enabling an additional 973 megawatts (MW) of generation.
- Additionally, four standalone BESS connections have been completed since publication of the 2025 TAPR, adding 4,063 megawatt hours (MWh) of storage capacity to the network.
- The status of projects reported in this chapter is as at 30 September 2026.

10.1 Connection works

Table 10.1 lists connection works commissioned since the 2025 TAPR was published.

Table 10.1 Commissioned connection works since October 2025

Project (1) (2)	Purpose	Zone	Date commissioned (3)
Kidston Pumped Storage Hydro	New PHES	Ross	Quarter 2 FY2026
Swanbank BESS	New BESS	Moreton	Quarter 2 FY2026
Supernode (South Pine) BESS 1 and 2	New BESS	Moreton	Quarter 3 FY2026
Woolooga BESS	New BESS	Wide Bay	Quarter 4 FY2026
Stanwell BESS	New BESS	Central West	Quarter 4 FY2026
Wambo Wind Farm Stage 2	New Wind Farm	South West	Quarter 3 FY2026
Broadsound Energy Park	New Hybrid Solar / BESS	Central West	Quarter 2 FY2026

Notes:

(1) When Powerlink constructs a new line or substation as a non-regulated customer connection (e.g. generator, renewable generator, mine or industrial development), the costs of acquiring easements, constructing and operating the transmission line and/or substation are paid for by the company making the connection request.

(2) Powerlink has completed the scope of works for this project. Remaining works associated with generation connection are being coordinated with the customer.

(3) Commissioning dates reflect the financial year quarter in which they occurred.

(4) Refer to the 'Generation Commitments' sheet of the Chapter 9 Network Capability and Performance Data Workbook for information on the available MW capacity of generators connected or committed to be connected to Powerlink's transmission network.

Table 10.2 lists new transmission connection works for generating systems that are committed and under construction as at October 2026. These connection projects resulted from agreements reached with relevant connected customers, generators or Distribution Network Service Providers (DNSPs) as applicable.

Table 10.2 Committed and under construction connection works as at October 2026

Project (1) (2)	Purpose	Zone	Proposed commissioning date (3)
Lotus Creek Wind Farm	New Wind Farm	Central West	Quarter 3 FY2027
Boulder Creek Wind Farm	New Wind Farm	Central West	Quarter 1 FY2028
Punchs Creek Solar Farm	New Solar Farm	Bulli	Quarter 1 FY2029
Yabulu BESS	New BESS	Ross	Quarter 1 FY2028
Gawara Baya	New Hybrid Wind / BESS	Ross	Quarter 1 FY2029
Ganymirra Solar Power Station	New Hybrid Solar / BESS	Ross	Quarter 2 FY2029
Majors Creek Solar Power Station	New Hybrid Solar / BESS	Ross	Quarter 2 FY2029
Smoky Creek Solar Power Station	New Hybrid Solar / BESS	Central West	Quarter 4 FY2028
Guthrie's Gap Solar Power Station	New Hybrid Solar / BESS	Central West	Quarter 4 FY2028
Fraser Coast Solar Park	New Hybrid Solar / BESS	Wide Bay	Quarter 1 FY2028
Lower Wonga Hybrid	New Hybrid Solar / BESS	Wide Bay	Quarter 2 FY2028
Supernode BESS Stage 3	New BESS	Moreton	Quarter 1 FY2028
Tangkam BESS	New BESS	South West	Quarter 4 FY2027
Teebar BESS	New BESS	Wide Bay	Quarter 2 FY2028

Notes:

(1) When Powerlink constructs a new line or substation as a non-regulated customer connection (e.g. generator, renewable generator, industrial development or mine), the costs of acquiring easements, constructing and operating the transmission line and/or substation are paid for by the company making the connection request.

(2) Refer to the 'Generation Commitments' sheet of the Chapter 9 Network Capability and Performance Data Workbook for information on the available MW capacity of generators connected or committed to be connected to Powerlink's transmission network.

(3) Proposed commissioning dates reflect the financial year quarter in which projects are anticipated to be commissioned at the time of 2026 TAPR publication.

10.2 Network developments

Table 10.3 lists network developments that have been commissioned since October 2025.

Table 10.3 Commissioned network developments since October 2025

Project	Purpose	Zone	Date commissioned
Establishment of a 3rd 275kV connection into Woree	Maintain supply reliability in the Far North zone	Far North	January 2026

10.3 Network reinvestments

Table 10.4 lists network reinvestments commissioned since the 2025 TAPR was published.

10. Recently commissioned and committed network developments

Table 10.4 Commissioned network reinvestments since October 2025

Project	Purpose	Zone	Date commissioned
Cairns secondary systems replacement	Maintain supply reliability in the Far North zone	Far North	June 2026
Line refit works on the 275kV transmission lines between Chalumbin and Woree substations (section between Davies Creek and Bayview Heights)	Maintain supply reliability to the Far North and Ross zones	Far North	November 2025
Woree secondary systems replacement	Maintain supply reliability in the Far North zone	Far North	February 2026
Line refit works on the 132kV transmission line between Townsville South and Clare South substations	Maintain supply reliability in the Ross zone	Ross	March 2026
Nebo 132/11kV transformers replacement	Maintain supply reliability in the North zone	North	January 2026
Line refit works on the 132kV transmission line between Eton tee and Alligator Creek substations	Maintain supply reliability in the North zone (1)	North	September 2026
Blackwater 66kV current transformer and voltage transformer replacement	Maintain supply reliability in the Central West zone (1)	Central West	August 2025
Dysart 132/66kV transformers replacement	Maintain supply reliability in the Central West zone (1)(2)	Central West	May 2025
Egans Hill secondary systems replacement	Maintain supply reliability in the Gladstone zone	Gladstone	August 2025
Belmont 11kV underground cable and transformers replacement	Maintain supply reliability in the Moreton zone	Moreton	July 2026
Redbank Plains 110/11kV transformers and selected primary plant replacement	Maintain supply reliability in the Moreton zone	Moreton	August 2026
Sumner 110kV secondary systems replacement	Maintain reliability in the Moreton zone	Moreton	January 2026

Notes:

(1) Project Commissioning Notice issued subsequent to 2025 TAPR publication.

(2) Project identified under the RIT-T transitional arrangements in place for committed projects between 18 September 2017 and 30 January 2018.

Table 10.5 lists network reinvestments which are committed as at October 2026.

10. Recently commissioned and committed network developments

Table 10.5 Committed network reinvestments as at October 2026

Project	Purpose	Zone	Proposed commissioning date
Chalumbin secondary systems replacement	Maintain supply reliability in the Far North zone	Far North	July 2027
Structural replacement of two transmission towers between Chalumbin and Turkinje	Maintain supply reliability in the Far North zone	Far North	December 2026
Innisfail 132kV secondary systems replacement	Maintain supply reliability in the Far North zone	Far North	June 2027
Garbutt configuration change	Maintain supply reliability in the Ross zone	Ross	December 2026
Ingham South Substation reinvestment	Maintain supply reliability in the Ross zone	Ross	November 2028
Townsville South secondary systems replacement Stage 1	Maintain supply reliability in the Ross zone	Ross	December 2027
Townsville South 132kV primary plant replacement	Maintain supply reliability in the Ross zone	Ross	December 2027
Ross 132kV primary plant replacement	Maintain supply reliability in the Ross zone	Ross	December 2027
Ross 275kV primary plant replacement	Maintain supply reliability in the Ross zone	Ross	December 2027
Current transformer replacements Northern Region	Maintain supply reliability in the Far North, Ross and North zones	Far North, Ross and North	December 2026
Blackwater 132/66kV transformers replacement	Maintain supply reliability in the Central West zone	Central West	October 2027
Lilyvale 275kV and 132kV primary plant replacement	Maintain supply reliability in the Central West zone (1)	Central West	June 2027
Gladstone South secondary systems replacement	Maintain supply reliability in the Gladstone zone	Gladstone	October 2027
QAL West secondary systems replacement	Maintain supply reliability in the Gladstone zone	Gladstone	October 2027
Current transformer replacements Central Region	Maintain supply reliability in the Central West and Gladstone zones	Central West and Gladstone	June 2027
Current transformer replacement Surat area	Maintain supply reliability in the Surat, Bulli and South West zones	Surat, Bulli and South West	June 2029
Tangkam 110kV secondary systems replacement	Maintain supply reliability in the South West zone	South West	August 2027
Mt England 275kV secondary systems replacement	Maintain supply reliability in the Moreton zone	Moreton	December 2026
Current transformer replacements Metropolitan area	Maintain supply reliability in the Moreton zone	Moreton	December 2028
Phasor measurement units installation program Tranche 1	Maintain supply reliability in the Queensland network	N/A	October 2026
Phasor measurement units installation program Tranche 2	Maintain supply reliability in the Queensland network	N/A	December 2026
Phasor measurement units installation program Tranche 3	Maintain supply reliability in the Queensland network	N/A	June 2027
Direct current battery replacement program 2026	Maintain supply reliability in the Queensland transmission network	N/A	December 2026
Direct current battery replacement program 2026/27	Maintain supply reliability in the Queensland transmission network	N/A	June 2027

Note:

(1) Project identified under the RIT-T transitional arrangements in place for committed projects between 18 September 2017 and 30 January 2018.

10.4 Uncommitted network investments

Table 10.6 lists network investments which have undergone the Regulatory Investment Test for Transmission (RIT-T) or Priority Transmission Investment process and are not fully committed as at October 2026.

Table 10.6 Uncommitted network investments as at October 2026

Project	Purpose	Zone	Proposed commissioning date
Rebuild the 132kV transmission line between Woree and Kamerunga substations	Maintain supply reliability in the Far North zone	Far North	December 2030
Establish greenfield Air Insulated Switchgear substation at Kamerunga Substation	Maintain supply reliability in the Far North zone	Far North	December 2030
Kemmis 132/66kV transformer replacement	Maintain supply reliability in the North zone (1)	North	October 2028
Central Queensland synchronous condensers	Maintain supply reliability in the Gladstone and Central West zones (2)	Gladstone and Central West	March 2029 (3)
Tarong 275/66kV transformers and selected primary plant replacement	Maintain supply reliability in the South West zone (1)	South West	June 2028
Chinchilla 132kV primary plant and secondary systems replacement	Maintain supply reliability in the South West zone (1)	South West	July 2028
Tennyson 110/33kV transformer replacement	Maintain reliability in the Moreton zone	Moreton	October 2027

Notes:

(1) Capital expenditure in relation to network asset replacement.

(2) Capital expenditure in relation to system services.

(3) Refer to Powerlink's draft Material Change in Circumstances Assessment, which confirms the near-term need for synchronous condensers in Central Queensland by 2029, remains unchanged.

10.5 The Gladstone Project

Table 10.7 lists the status of Stages 1 and 2 of the Gladstone Project as at October 2026.

Table 10.7 Gladstone Project Status

Project	Purpose	Zone	Proposed commissioning date	Status
Gladstone Project Stage 1: Calvale to Calliope River Transmission Line Project	Maintain reliability of supply in the Gladstone and Central West zones	Gladstone and Central West	March 2029	Committed
Gladstone Project Stage 2: Gladstone West Substation and Boulderombe to Gladstone West Transmission Line	Maintain reliability of supply in the Gladstone and Central West zones	Gladstone and Central West	June 2029 for Gladstone West Substation August 2030 for Boulderombe to Gladstone West Transmission Line	Powerlink has received the direction to construct Stage 2 of the Gladstone Project under the PTI framework. The project will achieve committed status when planning and environmental approvals are completed

See Section 7.3.2 for further information on the Gladstone Project.

10.6 Asset retirement works

Table 10.8 lists completed asset retirement works since the 2025 TAPR was published.

Table 10.8 Completed asset retirements since October 2025

Project	Purpose	Zone	Retirement date
Tarong 275/132kV transformers retirement	Removal of assets at the end of technical life	South West	June 2026

Note:

(1) Following retirement of the Tarong 275/132kV transformers, the associated 132kV network has been reconfigured, with Chinchilla Substation transformer ended from Columboola Substation. The remaining 132kV transmission line between Diamondy and Chinchilla is mothballed, with its longer-term treatment to be determined as part of future network planning.

Table 10.9 lists asset retirement works as at October 2026.

Table 10.9 Asset retirement works as at October 2026 (1)

Project	Purpose	Zone	Proposed retirement date
132kV transmission line retirement between Woree and Kamerunga substations	Removal of asset at the end of technical life	Far North	June 2032
Cairns 132/22kV Transformer 4 retirement	Removal of asset at the end of technical life	Far North	December 2027
Lilyvale 132/66kV transformer retirement	Removal of asset at the end of technical life	Central West	December 2027

Note:

(1) Operational works, such as asset retirements, do not form part of Powerlink's capital expenditure budget.