
Transmission Revenue Reset 2027 to 2032 (TRR 2027-32)

Project Cost Update Summary: SHTS Transformer and CB Replacement Project

Date: October 2025



Table of contents

1. Purpose	2
2. Project Background	2
3. Project Forecast Expenditure	3

1. Purpose

This document outlines the basis of the capital expenditure proposed for the Shepparton Terminal Station (SHTS) Transformer & Circuit Breaker Replacement project as part of AusNet Services' TRR 2027-32 Regulatory Proposal.

2. Project Background

SHTS is owned and operated by AusNet Services and is in Shepparton, Northern Victoria. Since it was commissioned in the late 1960's, SHTS served as the main transmission service connection point for distribution of electricity by Powercor to communities in the towns of Shepparton, Echuca, Mooroopna, Yarrawonga, Kyabram, Cobram, Numurkah, Tatura, Rochester, Nathalia, Tongala, and Rushworth. Approximately 76,312 customers depend on SHTS for their electricity supply, with the load comprising of mostly commercial and residential customers, and lower levels of industrial and agricultural customers.

A total of 494.5 MW of embedded generation capacity is installed or proposed to be installed on the Powercor sub-transmission and distribution systems connected to SHTS. It consists of:

- 352.5 MW of large-scale embedded generation, predominately solar farms; and
- 142 MW of rooftop solar PV, including all the residential and small-scale commercial rooftop PV systems.

Maximum demand at SHTS occurs in summer. The maximum demand on the station reached 246.6 MW (252.3 MVA) in summer 2024. Due to the input of generation connected to the station, reverse power flows occur during low load periods. The minimum demand at SHTS reached -171.6 MW (-188.1 MVA) in October 2023.

AEMO and Powercor recognise there is an ongoing need for electricity supply services to communities in the Shepparton and Goulburn-Murray area as reflected in the various jurisdictional planning reports and demand forecasts. Powercor expects that reverse power flows at SHTS will increase in future due to generation connections.

The Shepparton Terminal Station (SHTS) rebuild project includes the replacement of primary and secondary assets which are in poor condition and have reached end of life. The assets include, but not limited to:

- Two 220/66kV B type Power Transformers
- Twelve 66kV Circuit Breakers
- Control building (including all secondary protection and control equipment)
- Several instrument transformers, isolators and surge arresters

The project has progressed through the design and planning phase, however, during the planning permit approval stage, noise, surface drainage compliance issues, and limitations on outage availabilities were discovered which required significant partial re-design to address the issues.

As a result of the detailed design and planning phases, AusNet intends to increase the scope of this project as follows.

- Double switching of the B2 Transformer to maintain reliable supplies during staged outages
- Relocation of the No. 3A/3B 66kV capacitor bank
- Building the new B3 Transformer & Gantry in the existing No. 3A/3B 66kV Cap Bank location
- Building the new B2 Transformer in existing B3 Transformer Location
- Provision of full sound enclosures to new B2 & B3 transformers and existing B4 transformer.

A formal project change request for additional budget is being prepared for the above scope change but is not ready to be submitted as part of the TRR proposal. This project change request will seek funding for the above scope changes.

3. Project Forecast Expenditure

The table below contains AusNet Services' proposed capital expenditure (as incurred) for this project over the current and 2027-32 regulatory periods.

	TOTAL RY23-25	RY26	RY27	RY28	RY29	TOTAL
Project Total Cost (\$M, real 2026-27)	\$21.4	\$13.9	\$10.3	\$11.9	\$7.2	\$64.6

This forecast is based on project delivery forecast, considering the additional scope required, to achieve project completion by February 2029.

AusNet Services

Level 31
2 Southbank Boulevard
Southbank VIC 3006
T +613 9695 6000
F +613 9695 6666
Locked Bag 14051 Melbourne City Mail Centre Melbourne VIC 8001
www.AusNetServices.com.au

Follow us on



@AusNetServices



@AusNetServices



@AusNet.Services.Energy

AusNet

