

Tealing Substation

Newsletter - June 2025

Tealing 275kV substation - Phase Shifting Transformers (PST's)

Construction work is progressing well on SSEN Transmission's Tealing Phase Shifting Transformers (PST's) project, which will be delivered as part of the East Coast 275kV upgrade project. Both PST's have been delivered to site, with PST1 scheduled for energisation in quarter 4 of 2025 and PST2 in quarter 1 of 2026.

The purpose of the PST's is to control power flow on limiting the Kintore – Tealing 275kV overhead line (OHL) which forms a key route for SSEN Transmission's electricity system restoration (ESR) strategy. This will allow the power flow in these circuits to be controlled and encouraged to flow onto the higher capacity Kintore to Fetteresso to Alyth OHL circuits.

Upcoming works

A secondary project will commence in June 2025 to install a bypass circuit for each Tealing PST to bring the Kintore – Tealing OHL online (without the PST's) for system restoration. Bypass circuits allow planned/ unplanned outage of Tealing PST's without losing the 275kV OHL. These works are scheduled for completion for PST2 and PST1 in quarter 3 and quarter 4 of 2026.



Figure 1: PST 2 under assembly

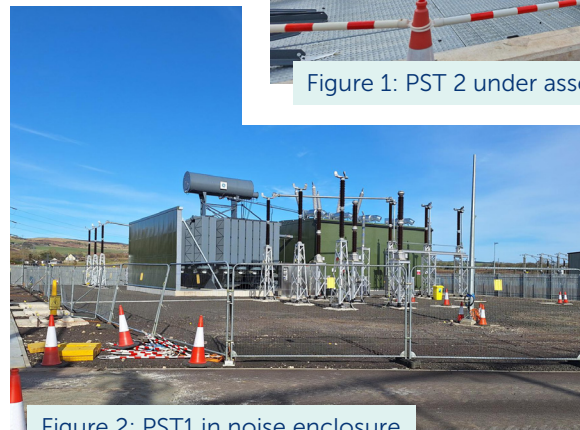


Figure 2: PST1 in noise enclosure

Progress on site

Residents around the Tealing substation site may expect to see a slight increase in construction vehicles along Emmock Road during working hours from June to August 2025 as civils construction on the Bypass works commences.

If you have any questions, please do not hesitate to contact your Community Liaison Manager:

Louise Anderson

Lead Community Liaison Manager,
200 Dunkeld Road, Perth, PH1 3GH

Tel: 01738 341 975

Mobile: +44 (0) 7384 454 233

Email: louise.anderson@sse.com



Please scan the QR code to be taken to the project website, or use the following URL:
ssen-transmission.co.uk/tealing-substation-extension



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