

Feeder station upgrades powering on in Scotland

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Scotland's railway is working to deliver the next in a series of enhancements to the power supply supporting an electrified railway network.

As part of a £120 million Scottish government investment to add resilience and capacity into the network, Network Rail and SPL engineers are introducing a new modular feeder station and upgrading a key track section cabinet (which helps regulate the power supply) near Glasgow Central station.

Alice Wilson, scheme project manager for traction power at Network Rail, said: "The £120 million Scottish government investment to upgrade the electric power supply into the rail network is key to helping us meet our target to decarbonise Scotland's Railway by 2035.

"This work will power the cleaner, greener electric trains on the Glasgow- Barrhead and East Kilbride lines in the coming years. This directly supports decarbonising passenger services on Scotland's railway by 2035 and delivering the modal shift required for Scotland to reach Net Zero."

This is a crucial part of work to upgrade and reconfigure our power supplies to support the increased

demand that will be created by the introduction of electric trains on the lines between Glasgow and Barrhead and East Kilbride.

The installation of the substation will be delivered without disruption to passenger and freight services.

Work on the traction power investment to upgrade is well underway with Ferguslie feeder station in Paisley being installed in July 2022. It will enter into service in early 2023.

Phase one of the investment will see six new feeder stations and nine upgrades to traction power infrastructure locations on the railway across the central belt, Scottish Borders and Fife.

Upgrades to the power supply network will be ongoing until 2026. Investment will increase the resilience of the existing network, the new connections to the national grid via the feeder stations will increase the overall capability of the 25kV electrified network. Upgrading the power supply network will enable the introduction of electric trains on services to East Kilbride and Barrhead, on the Borders line and across Fife but will also support increased traffic on existing routes such as the East Coast Mainline.