

Dargaville 50/11kV Transformer Replacements

*Client: Transpower New Zealand Ltd.
Location: Dargaville, Northland
Contract Value: NZ\$700k*

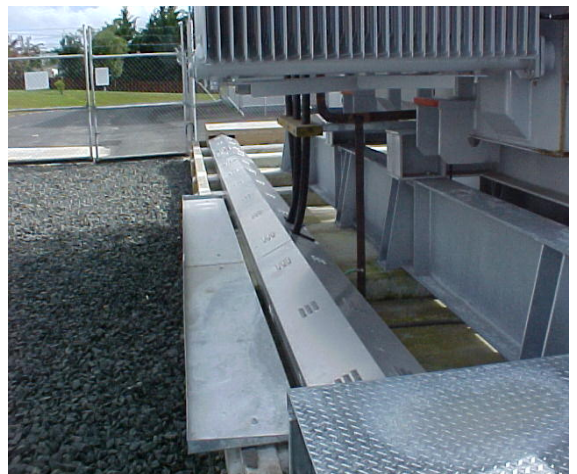
The replacement of T1 and T2 transformers provides increased supply capacity to the local area via the local Electrical Supply Company and allows flexibility of power outages for maintenance.

Transpower awarded this design/build contract to Electrix to replace the existing transformer banks with new 3 phase 15MVA units. Associated work included the replacement of 50kV disconnectors and the installation of HV and LV surge arrestors. The opportunity was taken to upgrade T1 and T2 protection to Transpowers' standard transformer protection scheme and incorporate new VRR REG-D OLTC relays.

An innovative feature of the Electrix design are the transformer mounting beams fitted on top of the existing foundations in approximately the same locations as the existing banks with respect to the structure. These provide a very cost effective solution to the alternative of new foundations and bunding.

The 11kV transformer terminals connect via new buried cables to the in-door 11kV switchboard. The switchboard mounted CTs and VTs were replaced for metering and protection supplies.

The Electrix team were able to provide a high quality installation to the complete satisfaction of the client.



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