

Project Information

Project: Third Line T.S. -250 MVA Auto Transformer Replacement



Owner:	Brookfield Power
Contractor & Construction:	EPTCON Ltd.
Design/Build & Engineering:	EPTCON Ltd.

EPTCON Ltd. provided the design/build and complete electrical engineering for the replacement of a 230- 115kV, 250 MVA transformer and associated protection relay panel. The scope of work included:

- Removal of existing transformer.
- Off-loading and delivery to site of the new autotransformer.
- Dressing and testing of the autotransformer.
- Design and installation of a new transformer protection relay panel.
- Modifications to the associated breaker failure protection systems.
- Design and installation of the new field control cabling and related termination rack.
- Complete construction and commissioning services.

EPTCON Ltd.
560 Sheldon Drive
Cambridge, Ontario
N1T 0A4

Phone: 519-620-4414
Fax: 519-620-4413

Contact: info@eptcon.com
Website: www.eptcon.com

Complete Engineering included:

- Updating of single and three line diagrams.
- DC schematics for protection relaying and transformer breaker controls.
- SCADA communication integration.
- Transformer protection trip logic diagrams.
- Revision to the station service diagrams.
- Revision to the control building layout to include the new T1 protection panel.
- Provide 'As-Built' drawings.



Site Construction included:

- Receive and deliver to site a new 250 MVA transformer.
- Relocate existing transformer to newly constructed storage pad.
- Installation of a new 250 MVA transformer.
- Assemble and oil fill the new transformer.
- Complete testing and commissioning.

