



CONNECTION ASSESSMENT & APPROVAL PROCESS

ASSESSMENT SUMMARY

Applicant: Hydro One Networks Inc.

Project: Installation of a new 115kV switch at Martindale TS

CAA ID No. 2002-EX096

***Long Term Forecasts & Assessments Department
Consistent Information Set Department***

Date: 29th November 2002

ASSESSMENT SUMMARY

HYDRO ONE NETWORKS Inc.

MARTINDALE TS - Install a New 115kV In-line Switch

1.0 GENERAL DESCRIPTION

115kV circuit L1S from Martindale TS to Crystal Falls GS supplies industrial and retail customers in the Sudbury area, as well as Warren DS and Verner DS. Coniston GS and Crystal Falls GS are also connected to this circuit, providing voltage support. This allows the loads at Neelon Casting and Brake Parts in the Sudbury area to be supplied when circuit L1S is open at the Martindale terminal.

In order to undertake maintenance of the existing motorised disconnect switch and the CVT at Martindale TS, isolation is presently being performed via the motorised disconnect switches at Coniston GS. However, since this results in a supply interruption to the customers at Neelon Casting and Brake Parts Hydro One is proposing to install an in-line switch on the line side of the existing motorised disconnect switch and the CVT at Martindale TS.

The scheduled in-service date for the new switch is December 2002

2.0 PROPOSED FACILITIES

The details for the new 115kV switch are as follows:

Specification

- Identifier: 9L1SCVT
- Manufacturer: Cleveland Price
- Maximum operating voltage: 128kV continuous
- Continuous current rating: 1200A

The switch is to be accessible via a bucket truck.

3.0 ASSESSMENT

The proposed in-line switch is intended solely for isolation in order to perform routine maintenance on the existing line disconnect switch 9-L1S and CVT at the Martindale TS terminal of circuit L1S. It will therefore have no adverse impact on the IMO-controlled grid.

4.0 CUSTOMER IMPACT ASSESSMENT

Since the installation of the new switch is intended to minimise the impact of maintenance outages on existing customers in the Sudbury area Hydro One has determined that a Customer Impact Assessment will not be required for this Project.

5.0 NOTIFICATION OF APPROVAL

It is therefore recommended that a Notification of Approval of the Connection Proposal be issued.