



CONNECTION ASSESSMENT & APPROVAL PROCESS

ASSESSMENT SUMMARY

Applicant: Hydro One Networks Inc.

*Project: Removal of the idle section of 115kV circuit K4
between Elk Lake Junction & Gowganda DS*

CAA ID No. 2003-EX136

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

Date: 18th July 2003

ASSESSMENT SUMMARY

HYDRO ONE NETWORKS Inc.

Kirkland Lake TS - Removal of the Idle Section of 115kV Circuit K4

1.0 General Description

115kV circuit K4 consists of the following sections:

- Kirkland Lake TS to Macassa Junction 10.4km
- Macassa Junction to Matachewan Junction 45.9km
- Matachewan Junction to Elk Lake Junction 30.6km
- Elk Lake Junction to Gowganda DS 32.0km

The sections of this line between Kirkland Lake TS and Elk Lake Junction are currently being used to provide a supply to the Extender Minerals facility. However, the remaining 32km section of this line between Elk Lake Junction and Gowganda DS has been idle for a number of years since the load at Gowganda DS was transferred to Shiningtree DS. Shiningtree DS is supplied radially from Timmins TS via the 115kV circuit T61S.

Hydro One is proposing to remove the entire idle section of circuit K4 between Elk Lake Junction and Gowganda DS because it has become a hazard.

2.0 Assessment

Following the closure of the two Macassa mine sites (Lac Minerals and No 3 Shaft) and the transfer of the load at Gowganda DS, circuit K4 is now used only to provide a limited supply to Extender Minerals. Since Extender Minerals has indicated that they intend to shut down within the next few years, only the minimum amount of maintenance work is being done to the operational portion of circuit K4. Once Extender Minerals ceases operations, it is expected that the entire circuit will become idle and will be removed. Consequently, the removal of the section between Elk Lake Junction and Gowganda DS represents the initial stage of this plan.

The removal of the section of circuit K4 between Elk Lake Junction and Gowganda DS will have no adverse impact on the IMO-controlled grid.

3.0 Notification Of Approval

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