



4th September 2003

Mr Mel Yates  
Manager – Stations T&D: Sustainment Programs  
Hydro One Networks Inc.  
483 Bay Street  
15th Floor - North Tower  
Toronto M5G 2P5  
Ontario

Dear Mr Yates,

***HAWTHORNE TS - Replace the existing 115kV capacitor bank, SC11, with a new unit  
Notification of Approval of the Connection Proposal***

***CAA ID Number: 2003-EX157***

Thank you for the information regarding your proposal to replace the existing 115kV 96MVA<sub>r</sub> shunt capacitor bank, SC11, at Hawthorne TS with a new unit having the same rating.

[The relevant details for the existing and the replacement bank are attached.]

Since this work represents a like-for-like exchange, a formal Connection Assessment study will therefore not be necessary.

However, our copies of the Operating Diagrams for Ottawa District show the HV terminals of the capacitor bank, SC11, equipped with rod gaps. If this information is accurate, then the IMO recommends that while the capacitor bank is being replaced that surge arresters be installed to replace these rod gaps.

It has been concluded that this work, including the replacement of the rod gaps should these still exist, will have no adverse impact on the IMO-controlled grid and the IMO is therefore pleased to grant approval to complete the proposed installation.

Registration of the new facilities will need to be completed through the IMO's 'Facilities Registration' process.

For further information, please contact the undersigned.

Yours truly,

Bob Gibbons  
Manager – Long Term Forecasts & Assessments

cc: IMO Records

All information submitted in this process will be used by the IMO solely in support of its obligations under the Electricity Act, 1998, the Ontario Energy Board Act, 1998, the Market Rules and associated policies, standards and procedures and in accordance with its licence. All information submitted will be assigned the appropriate confidentiality level upon receipt.

**HAWTHORNE TS**

**115kV Shunt Capacitor Bank, SC11**

*Data for the existing and the replacement unit*

	<i>Existing Bank</i>	<i>Replacement Bank</i>
Rated Capacity	96MVA <sub>r</sub>	96MVA <sub>r</sub>
Rated Voltage	119.5kV	119.5kV
Discharge Time	150 msec	150 msec
Bank Configuration	Wye	Double-Wye

The two existing 115kV breakers that are used for switching the capacitor bank, and which are not capable of independent pole operation, are to remain.

This work is scheduled to be completed during 2004.