



CONNECTION ASSESSMENT & APPROVAL PROCESS

ASSESSMENT SUMMARY

Applicant: Ontario Power Generation Inc.

Project: Replacement of Generator Transformer T2 at Lambton TGS

CAA ID No. 2001-EX004

Long Term Forecasts & Assessments Department

Date: 19th October 2001

ASSESSMENT SUMMARY

ONTARIO POWER GENERATION LAMBTON TGS - REPLACEMENT OF THE T2 GENERATOR STEP-UP TRANSFORMER

1.0 GENERAL DESCRIPTION

In order to allow the original T2 step-up transformer at Lambton TGS to be repaired and overhauled it had been removed from service and replaced with the station spare.

Now that the repairs are complete, the original T2 transformer is to be returned to its former position.

At the same time OPG is planning to modify the connections for the transformer differential protection so that it conforms with the protective relaying on the other transformers at Lambton TGS. This will involve changing the current sources to the CTs on the 27T2P circuit breaker from the T2 step-up transformer.

The scheduled in-service date for the original T2 Step-up transformer is: 28th October 2001

2.0 ASSESSMENT

Since this work involves the re-installation of the original step-up transformer to its former position, it will restore the station to its original arrangement. Furthermore, the change in the CT connections will make the protective relaying for the step-up transformer consistent with that on the other units at Lambton TGS.

These changes will have no impact on the IMO-controlled grid and the proposed connection is therefore approved.

3.0 NOTIFICATION OF APPROVAL

Since this project is deemed to have no impact on the IMO-controlled grid, it is therefore recommended that a Notification of Approval of the Connection Proposal be issued.