



April 21, 2004

Mr. Gord Haines

Section Manager
Technical Compliance
Ontario Power Generation
700 University Avenue
Toronto, Ontario, M5G 1X6

Dear Mr. Haines:

***Replacement of White Single Phase Transformer on Sir Adam Beck PGS T31
Notification of Approval of Connection Proposal
CAA ID Number: 2004-EX194***

Thank you for the detailed information that you provided on OPGI's proposal to replace the white phase of the three single phase transformer T31 at Sir Adam Beck PGS, as part your plan to rehabilitated the station transformers.

We have reviewed the data and concluded that this project will not have any adverse impact on the reliability of the IMO-controlled grid since the new facility represents a "like-for-like" replacement of the existing facility. The data supplied by OPG for the replacement unit is attached to this notification.

The IMO is therefore pleased to grant **conditional approval** of the proposed transformer replacement. Any material changes to your proposal may require a re-assessment by the IMO in accordance with Market Manual 2.10, and may nullify your conditional approval.

Final approval will be granted upon successful completion of the IMO Facility Registration process. During facility registration you will be expected to demonstrate that the project you have installed is materially unchanged from the proposal assessed by the IMO. Contact facility_registration@theIMO.com if you have not received a Facility Registration Summary package within the next 10 days.

For further information, please contact the undersigned.

Yours truly,

Bob Gibbons
Manager - Long Term Forecasts & Assessments
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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.

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Sir Adam Beck PGS

Ratings for existing White Phase step-up transformer T31

Data for the single phase transformer:

Rated Voltage for each Winding(LL):	HV:237 kV	LV:13.5 kV
Rating (OFAF):	38 MVA	
Impedance:	X=8.43% on 22.8 MVA	
Off-load tap	N/A	
Connection Arrangement	HV: Wye (ungrounded)	LV: Delta

Rating of New White Phase step-up transformer T31

Data for the single phase transformer:

Rated Voltage for each Winding(LL):	HV:237 kV	LV:13.5 kV
Rating (OFAF):	38 MVA	
Impedance:	X=8.35% on 22.8 MVA	
Off-load tap	N/A	
Connection Arrangement	HV: Wye (ungrounded)	LV: Delta

Proposed in-service data (Outage April 19th to 23th 2004)

Assessment

The six main output transformers at Sir Adam Beck PGS are identical and interchangeable. In year 2000, OPG has initiated a transformer rehabilitation program where each transformer is replaced with a spare while being refurbished by the manufacturer.

The information provided by OPG shows that T31W is being replaced with an identical unit.