SE-85-1-6
SL-100-361 (L)
SL-100-SPE

Ottawa, January 27, 1967.

Canadian General Electric Company Limited,
1350 Castlefield Avenue,
TORONTO 19, Ontario.

Attention: Mr. H. T. Halsall,
Utilities Specialist.

SPECIAL APPROVAL - Two Only - General Electric Type "KPE-34.5" Metering Outfits, 34500-115 volts, 1000/500-5 amperes, Serial Numbers 579042 and 579043; and Four Only - Canadian General Electric Type "PV-0" Voltage Transformers, 92-115 volts, Serial Numbers 619718, 619719, 619720 and 619721

Dear Sirs:

This is to advise that Special Approval has been granted by the Standards Branch for use in Canada for billing purposes to the above-named apparatus.

Each metering outfit contains 2 potential transformers rated at 34500 to 115 volts. The line-to-line voltage is only 27600 so that the output voltage is 27600/34500 x 115 or 92 volts. To step this voltage up to the 115 volts required by the metering equipment, the output of each transformer in the metering outfits supplies the 92-volt primary winding of a single Canadian General Electric type "PV-0" voltage transformer, which has a 115-volt secondary winding. The overall ratio produced by this cascade arrangement is 27600/92 x 92/115 or 240:1.

The accuracy rating of the voltage transformers marked on the nameplates of the metering outfits is "0.3WXYZ" and the accuracy rating marked on the nameplates of the type "PV-0" is "0.6Y" which latter means "0.6WXY".

The burden on the secondaries of each of the "PV-0" potential transformers consists of the potential circuits of a Sangamo type P20, an SC2, a VAD phasing transformer, and the motor drive of the SC graphic. With the above burden and the reduced voltage on the main transformers, the estimated overall voltage transformer accuracy class is 0.6.

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It should be noted that any of the "PV-9" potential transformers may be supplied by any of the potential transformers in either of the metering outfits.

The current transformers in the "KVT-34.5" metering outfits are covered by Circular SD-EA.26.

The above equipment is for the New Toronto Public Utilities Commission.

Yours very truly,

K. Cryer, Chief,
Electricity and Gas Division,
Standards Branch.

EAW/mee

c.c. to: Mr. W. R. McEown, District Inspector of Electricity and Gas, Toronto
c.c. to: New Toronto Public Utilities Commission (through Mr. McEown)