

OTTAWA, September 20, 1977

SPE-0336

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6565-9

6565-1

SPECIAL APPROVAL

Granted to:      Edmonton Power  
7, Sir Winston Churchill Square  
Edmonton, Alta.

Attention:      Mr. Richard Marchant

Subject:      Installation of Automatic Meter Reading  
Equipment (Trial)

Special Approval is hereby granted by the Standards Directorate to Edmonton Power for installation of automatic meter reading encoders on a selected number of domestic meters.

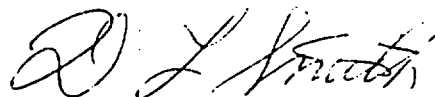
The modification consists of replacement of the test dial pointer by a plastic disc magnet. A Hall effect device is cemented to the register face adjacent to the magnet. In addition, a transformer rated 240:18.87 V is mounted behind the meter nameplate. This transformer, with primary connected to the line voltage, provides the power source for the transponder and three associated encoders (electricity, gas and water meters).

Leads to the transformer and encoder are connected to a miniature plastic recessed male socket located in the seal pan depression in the meter base.

The purpose of this trial, which will involve up to 2000 homes is to examine the technical merits of the proposed system.

Approval of this modification is based on the assumption that monthly manual meter readings will be used for billing purposes.

Any existing approved domestic meters may be modified for use in this trial.



D.L. Smith  
Chief, Electricity & Gas Division

c.c. Mr. F. Nash, District Inspector (E&G)  
Edmonton