

ESTIMATED HORSE-POWER

Before the Ratepaying Engineers Report was sent to your Board, the probable horse-power obtainable from the enlargement had already been carefully studied by your Engineers.

After locating the low period, Mr. Dorrance assisted by Mr. Vallieres, under the direction of Mr. Field and Mr. LeSage, made a day-by-day study of the water power that could be produced during that low water period, using water-gauge readings for a period of nineteen (19) years.

Even in assuming worse climatological conditions than generally existing on the Island of Montreal, and not considering the increase in head that would be produced by the proposed break-water, the figures found by your Engineers are greater than those given by the Ratepaying Engineers.

It was ascertained by your Engineers that the theoretical water horse-power was less than 13,000 for only one day during the nineteen (19) years.

That the average during the low period would be between 15,500 and 20,500, the mean value being about 18,000 h.-p.

It was also found that the water horse-power was less than 15,000 h.-p. for a period not exceeding 100 days in one year.

FRAZIL

Although reports made by Messrs. Keefer and Vanier, by Messrs. Marceau & Kennedy, and a paper read by the late Mr. Janin, proved that frazil never affected the old City water development, it is claimed by the Ratepaying Engineers that "Frazil may cause complete stoppage of the plant". Among the signatures to the Ratepaying Engineers Report, are found those of Engineers who sent to the City in 1907, a report stating that "the frazil will have no material effect on the plant".

COMPARISON OF THE TWO PROJECTS

If the enlargement be stopped and the City purchase the required electric energy to pump the water and for the lighting of its streets and buildings, it will cost the City **\$827,857.00 per year.**

If the work is completed and the excess power used as required in the City's shops, pumping stations, etc., and for the lighting of its streets and buildings, it will cost the City **\$760,082.00 per year** and the City will own its street lighting system.

It will also be possible, if the work is completed, for the City to sell