

## APPENDIX

water will be conveyed through a hydraulic canal about 250 feet long to a headworks and from thence by a wood stave pipe 10 feet in diameter and 320 feet long to a power house built entirely of concrete, in which will be installed three 1,200 h.p. units. The turbines will be of the horizontal, double-runner, double discharge cylindrical casing type. Of these, one will be direct-connected to a 875 K.V.A. generator and the other two each to two 350 K.V.A. generators. Three belt-driven 25 K.W. exciters will be installed and regulation will be provided by one mechanical and two oil pressure governors. The total capacity of the plant will be 3,600 h.p. under a head of 85 feet. Energy will be transmitted to the Rideau System at 26,400 volts.

### CENTRAL ONTARIO SYSTEM.

The system now known as the Central Ontario System was purchased in 1916 by the Province of Ontario direct and afterwards transferred to the Commission to operate. It was originated by a private corporation known as the Electric Power Co., Ltd., whose promoters in the course of a few years reached out not only for all the power rights it could acquire along the Trent River Valley and Trent Canal—including the power sites at Healey Falls, the power dam at Peterboro, formerly controlled by the Auburn Woolen Co. (Auburn Development), Fenelon Falls, Trenton, Campbellford, and Frankford, but a development on the South River quite separated geographically from the Trent System. It also had rights to over a dozen power sites of larger or smaller capacity not as yet developed; and at the time of the purchase by the province the company had acquired by lease or purchase over thirty utility services in its territory, including gas works, water works and a street railway system at Peterboro. For operating purposes all these services were transferred to the Commission when the power sites were taken over.