

additional power purchase contract) will add, during the next few years, a capacity of 704,000 kw. (943,000 h.p.) making a total of 2,754,000 kw. (3,691,000 h.p.) as shown in the accompanying statement.

COMMISSION'S AVAILABLE POWER RESOURCES—ALL SYSTEMS, 1947

	kw.	h.p.
Maximum normal plant capacity (including DeCew Falls, second unit placed in service in September, 1947)	1,338,000	1,793,000
Power purchased (contract amount).....	712,000	955,000
	<u>2,050,000</u>	<u>2,748,000</u>
New projects as tabulated below.....	704,000	943,000
TOTALS	<u><u>2,754,000</u></u>	<u><u>3,691,000</u></u>

AUTHORIZED CONSTRUCTION

System and Development

Southern Ontario System—		
Stewartville-Madawaska River	60,000	80,000
Des Joachims-Ottawa River.....	358,000	480,000
Chenau-Ottawa River	119,000	160,000
	<u>537,000</u>	<u>720,000</u>
Thunder Bay System—		
Aguasabon-Aguasabon River.....	40,000	53,000
Pine Portage-Nipigon River	60,000	80,000 ¹
	<u>100,000</u>	<u>133,000</u>
Northern Ontario Properties—		
Ear Falls-English River	5,500	7,500
Tunnel Site-Mississagi River.....	42,000	56,500
	<u>47,500</u>	<u>64,000</u>
Additional Power Purchase Contract—		
Polymer Corporation-Sarnia	19,500	26,000
TOTALS.....	<u><u>704,000</u></u>	<u><u>943,000</u></u>

¹ Hydraulic structures and power-house for 4 units. Initial installation 2 units, ultimate capacity 4 units=160,000 h.p.

Hydro-Electric Power Commission Statistics.—The Annual Reports of the Commission present in great detail descriptions and statistics of operation, construction, municipal work, transmission and distribution. The Commission exercises supervisory functions over the electrical utilities owned and operated by the partner-municipalities.

The Commission was established in the early years of the twentieth century. The initial capital expenditure required to serve about twelve municipalities amounted to approximately \$3,600,000. At Oct. 31, 1946, the total capital investment amounted to \$545,545,202 of which \$393,339,254 represented investments by the Commission in generating plants, transmission systems, etc., including electric railway and other properties operated by the Commission for the major systems under their control, and \$152,205,948 were investments by municipalities in local distributing systems of their own, including other assets. Similarly, total reserves of the Commission and of the municipal electrical utilities for sinking fund, renewals, contingencies and insurance purposes amounted to \$414,830,047, of which \$276,932,621 represented reserves of the Commission and \$137,897,426 of the municipalities.