

### Subsection 3.—Provincial Water-Power Developments, 1948

During 1948, the construction of hydro-electric developments throughout Canada proceeded at high tempo, although some delays were experienced due to late deliveries of electrical and mechanical equipment and to shortages of some materials. New capacity coming into operation in 1948 totalled 440,095 h.p.,\* the rate of expansion well exceeding the yearly pre-war average of about 300,000 h.p. However, a huge demand for electric energy not only readily absorbed the output of new plants but accelerated the greatest program of hydro-electric expansion in the history of the country. Plants under construction, which are expected to be completed or in partial operation within two years, will have a capacity of about 1,000,000 h.p. while those on which preliminary construction has been started, or which are definitely planned, will add perhaps 2,000,000 h.p. within five years. In addition, long-range plans envisage the development of many other sites which have been under investigation, a number of them being of high capacity. Current progress in each province is outlined below.

*Maritime Provinces.* †—In the Maritime Provinces, the Nova Scotia Power Commission brought into operation in 1948 a new plant on Dickie Brook with a capacity of 2,900 h.p. in two units; a third unit of 3,000 h.p. is planned. The Commission also had under construction a plant of 12,000 h.p. on the Mersey River and was planning the development of 4,800 h.p. on the Tusket River. The Nova Scotia Light and Power Company completed a development of 4,600 h.p. on Methalls Brook and is proceeding with an addition of 4,500 h.p. to its Black River Plant.

*Quebec.*—In Quebec, new units coming into operation in 1948 had a total capacity of 118,000 h.p. The Quebec Hydro-Electric Commission completed the fourteenth unit of 53,000 h.p. in its No. 1 Beauharnois Plant, St. Lawrence River, and began work on No. 2 power-house which will have an ultimate capacity of 600,000 h.p. and will be in partial operation by 1951; the Commission also completed a storage dam at Lake Dozois, upper Ottawa River and a fourth unit of 16,000 h.p. was being installed in the Rapid VII Plant. The Shawinigan Water and Power Company brought into operation the first unit of 65,000 h.p. in its new development of 195,000 h.p. at Shawinigan Falls, St. Maurice River; the Company also began a development at La Trenché Rapids, upper St. Maurice River, which will have an ultimate capacity of 384,000 h.p., partial operation being scheduled for 1951. The Gatineau Power Company proceeded with the addition of the third and final unit of 27,000 h.p. in its Bryson Plant, Ottawa River. The Northern Quebec Power Company started to increase the capacity of its existing 40,000-h.p. development at Quinze River by raising the head 20 feet and installing a new unit of 34,500 h.p. for operation in 1950; the planned ultimate capacity is 119,000 h.p. Smaller projects under way include additions of 3,000 h.p. by Pembroke Electric Light Company to its Black River Plant, 3,200 h.p. by Ogilvie Flour Mills to its plant on the Lachine Canal, 4,200 h.p. by the Municipality of Jonquière on Aux Sables River, and 2,640 h.p. by the Cie Électrique de Mont Laurier on the Lièvre River.

\* This figure is somewhat larger than that indicated in Table 3. This is due to the fact that the net figures of Table 3 take into account installations that went out of use in 1948 and adjustment of totals.

† In addition to the water-power developments described, several new fuel-electric plants were under construction including: a steam plant of 10,000 kw. at Cantleys Point, N.S., by N.S. Power Commission; additional capacity of 20,000 kw. at Halifax by N.S. Light and Power Company; a 15,000-k.w. plant at Maccan, N.S., by Canada Electric Company; and a 18,000 kw. plant by Seaboard Power Corporation in Cape Breton. The New Brunswick Electric Power Commission during 1948 completed an addition of 12,500 kw. to its steam plant at Chatham, N.B., and added four new diesel plants to its system.