

New Brunswick.—The New Brunswick Electric Power Commission was incorporated under the Electric Power Act, 1920. Generating stations owned and operated by the Commission are as follows:—

<u>Plant</u>	<u>Type</u>	<u>Capacity</u>
Musquash	Water power.....	h.p. 10,000
Grand Lake.....	Steam.....	26,800
Kouchibouguac.....	Water power.....	200
Grand Manan.....	Diesel.....	310
St. Quentin.....	Diesel.....	280
St. Stephen ¹	Diesel.....	600
TOTAL CAPACITY.....		38,190

¹ Operated from August, 1947.

The Musquash, Grand Lake and Kouchibouguac plants are inter-connected and operate in parallel at all times.

Transmission Lines.—The transmission system consists of a 66,000-volt line from Musquash to Moncton, and five lines from Grand Lake, viz., two 33,000-volt lines to Fredericton, one 66,000-volt line to Newcastle, one 66,000-volt line to Moncton, and one 66,000-volt line from Coal Creek to Hampton.

Power is sold *en bloc* to the cities of Saint John, Moncton, Fredericton and the town of Sussex.

The statistical information given below shows the growth of the Commission's undertakings since 1924.

14.—Growth of the New Brunswick Electric Power Commission, Years Ended Oct. 31, 1924, and 1943-47

Item	1924	1943	1944	1945	1946	1947
High-voltage transmission line.....miles	138	344	348	348	348	348
Distribution line..... "	67	2,150	2,150	2,326	2,510	2,902
Indirect customers..... No.	11,561	Nil	Nil	Nil	Nil	Nil
Direct customers..... "	1,129	20,368	21,955	24,166	27,299	33,837
Plant capacities..... h.p.	11,100	27,260	32,510	37,590	37,590	38,190
Power generated..... kwh.	15,500,000	103,800,000	115,524,000	122,508,320	131,315,745	147,008,120
Capital invested..... \$	3,780,000	10,470,000	11,066,400	11,509,962	12,439,470	15,532,885
Revenue..... \$	310,000	1,741,800	1,899,500	2,024,468	2,181,272	2,495,868

Quebec.—The National Electricity Syndicate, 1937 (1 Geo. VI, c. 24), was established to develop electricity generating plants and distributing systems in the Province. It was abolished in 1940 (4 Geo. VI, c. 22) and its powers, duties, and contractual obligations were then transferred to the Quebec Streams Commission.

The Quebec Streams Commission.—Created in 1910 by 1 Geo. V, c. 5, and given additional powers by 3 Geo. V, c. 6 (see R.S.Q., c. 46) and by 20 Geo. V, c. 34, the Commission was authorized to ascertain the water resources of the Province, to make recommendations regarding their control, to construct certain storage dams and operate them so as to regulate the flow of streams. The Commission has assisted companies engaged in such work by the systematic collection of data on the flow of the principal rivers and on the meteorological conditions, by investigation of numerous water-power sites and determination of the longitudinal profile of a large number of rivers, but mainly by the regulation of the flow of the principal power streams through the construction of storage dams.