

II.—PLANTS OF THE NEW BRUNSWICK ELECTRIC POWER COMMISSION

Plant	Type	Capacity
		h. p.
Musquash.....	Water power.....	11,000
Grand Lake.....	Steam.....	26,800
Kouchibouguac.....	Water power.....	200
Grand Manan.....	Diesel.....	200
St. Quentin.....	Diesel.....	65
	Total.....	38,265

The Commission also purchases power to serve the village of Port Elgin and the adjacent rural district. Power for the rural district east and west of Dalhousie is secured from the Gatineau Power Company at Dalhousie; for the Caraquet coast of Gloucester County, from the Bathurst Power and Paper Co. of Bathurst; for the Tobique Valley and Plaster Rock, from the Andover-Perth Electric Commission; and for the rural areas east and west of Grand Falls, from the St. John River Power Co. The Commission operates 24 rural distributing systems supplying 17,500 customers, and has important industrial power loads variously situated.

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

Transmission Lines.—The transmission system consists of a 66,000-volt line from Musquash to Moncton; and four lines from Grand Lake, viz., two 33,000-volt lines to Fredericton, one 66,000-volt line to Newcastle and one 66,000-volt line to Moncton. In addition to the above lines, the Commission has built 12 miles of 66,000-volt line from Grand Lake to Coles Island. It is planned to continue this line to Saint John to take care of the growing load in that district.

Power is sold *en bloc* to the cities of Saint John, Moncton, Fredericton and the town of Sussex. Power is also distributed directly by the Commission in every county of the Province to various towns, villages and rural communities.

The statistical information given below shows the growth of the Commission's undertaking since 1925.

11.—Growth of the New Brunswick Electric Power Commission, 1925, 1930, 1935 and 1940

Item	1925	1930	1935	1940
High-voltage transmission lines..... miles	138	138	308	316
Distribution line..... "	67	440	753	1,950
Indirect customers..... No.	11,561	14,590	17,155	18,000
Direct customers..... "	1,129	3,720	7,247	17,500
Plant capacities..... h. p.	11,100	11,100	17,700	26,800
Power generated..... kwh.	15,500,000	25,000,000	41,139,600	77,343,240
Capital invested..... \$	3,780,000	4,264,000	7,087,000	9,600,000
Annual revenues..... \$	310,000	512,000	829,000	1,270,000

Quebec.—In 1940 the National Electricity Syndicate, created for the development of generating plants and distribution systems, was abolished; the administration of the property that it had acquired and that was entrusted to it has been bestowed upon the Quebec Streams Commission.