

**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><br>h. p. |
|---------------------|------------------|--------------------------|
| Musquash.....       | Water power..... | 10,000                   |
| Kouchibouguac.....  | Water power..... | 200                      |
| Grand Lake.....     | Steam.....       | 26,800                   |
| Saint John.....     | Steam.....       | 25,500                   |
| Chatham.....        | Steam.....       | 16,750                   |
| Grand Manan.....    | Diesel.....      | 645                      |
| St. Quentin.....    | Diesel.....      | 550                      |
| St. Stephen.....    | Diesel.....      | 3,300                    |
| Campobello.....     | Diesel.....      | 335                      |
| Andover.....        | Diesel.....      | 535                      |
| Shippegan.....      | Diesel.....      | 2,680                    |
| TOTAL CAPACITY..... |                  | 87,295                   |

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

In 1948 the New Brunswick Electric Power Commission completed 66,000 volt lines from Chatham to Moncton, Chatham to Nelson, Coverdale to Hillsboro and Coal Branch to Buctouche. High-voltage transmission was thereby increased from 348 miles in 1947 to 476 miles in 1948. Power is sold *en bloc* to the cities of Saint John, Moncton, Fredericton and the town of Sussex.

The statistical information given in Table 15 shows the growth of the Commission's undertakings since 1924.

**15.—Growth of the New Brunswick Electric Power Commission, Years Ended Oct. 31, 1924, and 1944-48**

| Item  | 1924       | 1944        | 1945        | 1946        | 1947        | 1948        |
|---|------------|-------------|-------------|-------------|-------------|-------------|
| High-voltage trans-<br>mission line.....miles | 138        | 348         | 348         | 348         | 348         | 476         |
| Distribution line..... "                      | 67         | 2,150       | 2,326       | 2,510       | 2,902       | 3,428       |
| Indirect customers..... No.                   | 11,561     | —           | —           | —           | —           | —           |
| Direct customers..... "                       | 1,129      | 21,955      | 24,166      | 27,299      | 33,837      | 38,908      |
| Plant capacities..... h. p.                   | 11,100     | 32,510      | 37,590      | 37,590      | 38,190      | 87,295      |
| Power generated..... kwh.                     | 15,500,000 | 115,524,000 | 122,508,320 | 131,315,745 | 147,008,120 | 195,878,655 |
| Capital invested..... \$                      | 3,780,000  | 11,066,400  | 11,509,962  | 12,439,470  | 15,532,885  | 22,286,778  |
| Revenue..... \$                               | 310,000    | 1,899,500   | 2,024,468   | 2,181,272   | 2,495,868   | 3,544,717   |

**Quebec.**—*The Quebec Streams Commission.*—Created in 1910 by 1 Geo. V, c. 5, and given additional powers by 3 Geo. V, c. 6 (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, and 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 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.