

16.—Privately Owned Central Electric Stations in Canada, 1929-40

| Year | Power Plants | Customers | Electric Energy Generated | Power Equipment ¹ | |
|-----------|--------------|-----------|---------------------------|------------------------------|-----------|
| | | | | Water Wheels and Turbines | Total |
| | | | | No. | No. |
| 1929..... | 420 | 733,698 | 12,774,107 | 3,444,533 | 3,671,255 |
| 1930..... | 421 | 745,608 | 12,937,014 | 3,690,095 | 3,914,474 |
| 1931..... | 396 | 756,285 | 12,191,139 | 3,916,720 | 4,171,305 |
| 1932..... | 402 | 776,400 | 12,338,216 | 4,426,235 | 4,704,523 |
| 1933..... | 403 | 776,581 | 13,665,974 | 4,563,973 | 4,842,686 |
| 1934..... | 402 | 760,462 | 16,060,883 | 4,817,690 | 5,097,613 |
| 1935..... | 397 | 779,400 | 17,767,949 | 4,992,805 | 5,274,174 |
| 1936..... | 390 | 802,676 | 18,515,225 | 4,866,471 | 5,146,863 |
| 1937..... | 389 | 833,711 | 20,315,627 | 5,047,253 | 5,336,811 |
| 1938..... | 406 | 859,506 | 19,488,323 | 5,142,432 | 5,300,183 |
| 1939..... | 427 | 889,418 | 21,285,710 | 5,226,483 | 5,385,632 |
| 1940..... | 421 | 926,093 | 22,287,270 | 5,544,803 | 5,708,664 |

¹ Exclusive of auxiliary equipment.

The predominant position of Quebec in the electric-power field can be seen from the column in Table 17 showing electric energy generated. Of the total power generated in Canada by all central electric stations 52.9 p.c. was generated by privately owned or commercial stations in the Province of Quebec. Practically all of this amount was hydro-power and Quebec generated 54.2 p.c. of the total hydro-power generated by central electric stations, demonstrating the tremendous influence that the water-power resources of this Province exert on the industry in Canada. In comparison, total power generated in Ontario by both privately owned and publicly owned stations was only about 29.4 p.c. of the total power generated by central electric stations in Canada.

There are two important factors in this large production of hydro-electric power in Quebec: (1) the pulp and paper mills located close to both the water power and the supply of pulpwood, which take around 40 p.c. of the Quebec hydro-electric power; and (2) the industries in eastern and southern Ontario that import around 18 p.c. of the Quebec output of power.

Of the total power generated by central electric stations in each province, privately owned or commercial stations generated the following percentages in 1940: P.E.I., 86; N.S., 49; N.B., 83; Que., 99; Ont., 25; Man., 66; Sask., 34; Alta., 63; and B.C., 99.

17.—Privately Owned Central Electric Stations in Canada, by Provinces, 1940

| Province | Power Plants | Customers | Electric Energy Generated | Power Equipment | |
|---------------------------|--------------|----------------|---------------------------|---------------------------|------------------|
| | | | | Water Wheels and Turbines | Total |
| | | | | No. | No. |
| Prince Edward Island..... | 7 | 5,337 | 7,133 | 392 | 7,124 |
| Nova Scotia..... | 20 | 57,322 | 217,213 | 21,740 | 85,314 |
| New Brunswick..... | 7 | 21,873 | 391,175 | 92,900 | 110,140 |
| Quebec..... | 81 | 497,331 | 15,931,361 | 3,849,795 | 3,850,025 |
| Ontario..... | 62 | 75,391 | 2,225,748 | 530,429 | 530,644 |
| Manitoba..... | 15 | 32,722 | 1,159,365 | 353,300 | 351,721 |
| Saskatchewan..... | 107 | 26,785 | 59,873 | 1 | 57,159 |
| Alberta..... | 62 | 30,056 | 171,859 | 68,180 | 78,551 |
| British Columbia..... | 60 | 176,276 | 2,121,513 | 623,067 | 634,986 |
| Totals..... | 421 | 926,093 | 22,287,270 | 5,544,803 | 5,708,664 |

¹ See text following.