

2.—Hydraulic Turbine Horse-Power Installed in Canada, by Provinces, as at Dec. 31, 1931-45

NOTE.—Comparable statistics for the years 1900-19, inclusive, are given at p. 361 of the 1939 Year Book and those for 1920-30 at p. 364 of the 1940 edition.

Year	Prince Edward Island	Nova Scotia	New Brun- swick	Quebec	Ontario	Mani- toba	Saskat- chewan	Alberta	British Colum- bia	Canada ¹
	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.	h.p.
1931.....	2,439	111,999	133,681	3,100,330	2,145,205	390,925	42,035	70,532	655,992	6,666,337
1932.....	2,439	112,167	133,681	3,357,320	2,208,105	390,925	42,035	71,597	713,792	7,045,260
1933.....	2,439	112,167	133,681	3,493,320	2,355,105	390,925	42,035	71,597	717,602	7,332,070
1934.....	2,439	116,367	133,681	3,703,320	2,355,755	390,925	42,035	71,597	717,717	7,547,035
1935.....	2,439	116,367	133,681	3,853,320	2,560,155	392,825	42,035	71,597	718,497	7,909,115
1936.....	2,439	120,667	133,681	3,883,320	2,561,905	392,825	42,035	71,597	718,922	7,945,590
1937.....	2,439	123,437	133,681	3,999,686	2,577,380	405,325	61,035	71,597	719,972	8,112,751
1938.....	2,617	130,617	133,347	4,031,063	2,582,959	420,925	61,035	71,997	738,013	8,190,772
1939.....	2,617	131,717	133,347	4,084,763	2,596,799	420,925	90,835	71,997	738,013	8,289,212
1940.....	2,617	139,217	133,347	4,320,943	2,597,595	420,925	90,835	71,997	788,763	8,584,438
1941.....	2,617	139,217	133,347	4,556,943	2,617,495	420,925	90,835	71,997	788,763	8,845,038
1942.....	2,617	143,717	133,347	4,839,543	2,684,395	420,925	90,835	94,997	792,563	9,225,838
1943.....	2,617	133,384	133,347	5,847,322	2,673,443	422,825	90,835	94,997	796,024	10,214,513
1944.....	2,617	133,384	133,347	5,848,572	2,673,443	422,825	90,835	94,997	864,024	10,283,763
1945.....	2,617	133,384	133,347	5,848,572	2,673,290	422,825	90,835	94,997	864,024	10,283,610

¹ Includes Yukon and the Northwest Territories. Turbine horse-power in Yukon was 13,199 from 1931 to 1934, and 18,199 from 1935 to 1942; the removal of a plant of 3,180 h.p. reduced this figure to 15,019 h.p. for 1943, 1944 and 1945. In 1941 a 4,700-h.p. plant was installed in the Northwest Territories.

Analysis of Total Hydraulic Power Installations.—For the purpose of this review the present total installation of 10,283,610 h.p. in Table 3 is divided under three main headings: central electric stations, pulp and paper mills, and installations in other industries.

The largest and most rapidly growing of these classes, viz., central electric stations (a detailed survey of which is included in Section 2) totalling 9,315,359 h.p., represents slightly more than 90 p.c. of Canada's present development and produces 98 p.c. of all electricity sold in or exported from Canada.

The pulp and paper industry has a hydraulic installation of 637,765 h.p. and is the largest individual purchaser of central station power, buying as much as 50 p.c. of all power sold for industrial purposes.

The "other industries" group has a hydraulic installation of 330,486 h.p. and provides a broad market for central station power.

The figures of turbine installation, given in Table 3, must not be placed in direct comparison with those of the annual central electric station census nor those of the census of the pulp and paper industry, because of the different bases of compilation. The figures of hydraulic installation represent the cumulative totals of installation for the purposes named, adjusted by deducting the capacity of installations removed because of obsolescence or for other reasons. The Census of Industry data are computed on a different basis, representing only the sum of the installation in the plants actually in operation during the year dealt with at the census and not total installation. Also data on installations are available as soon as equipment is installed, whereas census data are not available until some time after the end of the period.