

2.—Hydraulic Turbine Horse-Power Installed in Canada, by Provinces, as at Dec. 31, 1900-33—concluded.

| Year. | P.E.I. | Nova Scotia. | New Brunswick. | Quebec. | Ontario. | Manitoba. | Saskatchewan. | Alberta. | British Columbia. | Total. ¹ |
|---------|--------|--------------|----------------|-----------|-----------|-----------|---------------|----------|-------------------|---------------------|
| | h.p. | h.p. | h.p. | h.p. | h.p. | h.p. | h.p. | h.p. | h.p. | h.p. |
| 1925... | 2,274 | 65,637 | 42,271 | 1,749,975 | 1,802,562 | 183,925 | 35 | 34,532 | 448,852 | 4,338,262 |
| 1926... | 2,274 | 66,147 | 47,131 | 1,886,042 | 1,808,246 | 227,925 | 35 | 34,532 | 463,852 | 4,549,383 |
| 1927... | 2,274 | 68,416 | 47,131 | 2,069,518 | 1,832,655 | 255,925 | 35 | 34,532 | 475,232 | 4,798,917 |
| 1928... | 2,439 | 74,356 | 67,131 | 2,387,118 | 1,908,705 | 311,925 | 35 | 34,532 | 564,792 | 5,349,232 |
| 1929... | 2,439 | 109,124 | 112,631 | 2,595,430 | 1,952,055 | 311,925 | 35 | 70,532 | 559,792 | 5,727,162 |
| 1930... | 2,439 | 114,224 | 133,681 | 2,718,130 | 2,068,055 | 311,925 | 42,035 | 70,532 | 630,792 | 6,125,012 |
| 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 | 718,792 | 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 | 392,325 | 42,035 | 71,597 | 718,497 | 7,909,115 |
| 1936... | 2,439 | 120,697 | 133,681 | 3,883,320 | 2,561,905 | 392,325 | 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 | 429,925 | 61,035 | 71,997 | 738,013 | 8,190,772 |

¹ Includes totals for Yukon. Turbine horse-power in Yukon was 5 from 1900 to 1906, 2,085 in 1907, 2,095 in 1908, 3,195 in 1909 and 1910, 13,195 from 1911 to 1913, 13,199 from 1914 to 1934, and 18,199 from 1935 to 1938.

² First reported installation in Saskatchewan.

Distribution of Developed Water Power.—An analysis is made in Table 3 of the distribution of developed water power among central electric stations, pulp and paper mills and other industries. The extent to which pulp and paper manufacturing is dependent on water power is clearly shown by the figures there given, which indicate that 7.9 p.c. of the developed power is installed by pulp and paper companies, in comparison with 4.2 p.c. developed by all other industries (excluding central electric stations). The pulp and paper industry also purchases a large amount of power from the central electric stations, and about 95 p.c. of its machinery is driven by water power. The bulk of the water power used in other industries developed by central electric stations, converted into electricity and delivered to the various industrial plants.

3.—Developed Water Power in Canada: Distribution, by Provinces and Industries, and per 1,000 Population, as at Dec. 31, 1938.

| Provinces or Territory. | Turbine Installation in H.P. | | | | Population, June 1, 1938. ⁴ | Total Installation per 1,000 Population. |
|--|--|---------------------------------------|-----------------------------------|------------------|--|--|
| | In Central Electric Stations. ¹ | In Pulp and Paper Mills. ² | In Other Industries. ³ | Total. | | |
| Prince Edward Island..... | 579 | Nil | 2,038 | 2,617 | 94,000 | 28 |
| Nova Scotia..... | 96,268 | 13,858 | 15,491 | 130,617 | 548,000 | 235 |
| New Brunswick..... | 104,710 | 20,894 | 7,943 | 133,547 | 445,000 | 300 |
| Quebec..... | 3,619,438 | 273,022 | 138,603 | 4,031,063 | 3,172,000 | 1,270 |
| Ontario..... | 2,248,383 | 228,377 | 105,699 | 2,582,959 | 3,731,000 | 692 |
| Manitoba..... | 420,925 | Nil | Nil | 420,925 | 720,000 | 584 |
| Saskatchewan..... | 61,000 | " | 35 | 61,035 | 941,000 | 65 |
| Alberta..... | 69,920 | " | 2,077 | 71,997 | 783,000 | 92 |
| British Columbia..... | 578,536 | 105,950 | 53,527 | 738,013 | 761,000 | 970 |
| Yukon and Northwest Territories..... | 2,000 | Nil | 16,199 | 18,199 | 14,000 | 1,300 |
| Canada..... | 7,202,259 | 648,901 | 341,612 | 8,190,772 | 11,509,000 | 731 |
| Percentages of total installation..... | 87.9 | 7.9 | 4.2 | 100.0 | - | - |

¹ Includes only hydro-electric stations which develop power for sale.

² Includes only water power actually developed by pulp and paper companies.

In addition to this turbine installation, pulp and paper companies have motor equipment for operation by hydro-electricity purchased from the central electric stations aggregating more than 1,200,000 h.p., making a total of more than 1,846,000 h.p. actually developed for the manufacture of pulp and paper. Large amounts of electricity are also purchased for use in electrical boilers.

³ Includes only water power actually developed in connection with industries other than the central electric station and pulp and paper industries. These industries also purchase power from the central electric stations.

⁴ Estimated by the Dominion Bureau of Statistics.