

2.—Hydraulic Turbine Horse Power Installed in Canada, by Provinces, as at Dec. 31, 1916-1927.

NOTE.—Turbine horse power in Saskatchewan is reported as 30 from 1910 to 1917 and 35 from 1918 to 1927; installation in the Yukon was 3,195 in 1910, 13,195 from 1911 to 1913 and 13,199 from 1914 to 1927. These figures are included in the total for Canada.

Years.	Prince Edward Island.	Nova Scotia.	New Brunswick.	Quebec.	Ontario.	Manitoba.	Alberta.	British Columbia.	Canada.
1910.....	1,760	31,476	11,197	334,268	489,295	38,800	655	64,474	975,150
1911.....	1,760	32,226	13,635	465,982	632,457	64,800	14,855	119,393	1,358,333
1912.....	1,785	32,773	15,195	516,640	657,434	64,800	15,035	165,838	1,476,715
1913.....	1,825	32,964	15,185	548,881	749,789	64,800	32,835	224,480	1,683,984
1914.....	1,843	33,469	15,380	661,149	856,894	78,850	33,135	252,490	1,946,429
1915.....	1,942	33,596	15,405	809,796	869,659	78,850	33,135	254,065	2,100,677
1916.....	1,962	33,656	15,480	833,404	919,508	78,850	33,135	288,130	2,217,354
1917.....	1,989	34,051	16,251	853,779	954,305	78,850	33,147	296,969	2,282,570
1918.....	2,198	34,318	18,371	991,763	979,723	85,325	33,147	307,333	2,375,412
1919.....	2,233	35,193	19,126	933,363	1,033,250	85,325	33,147	308,164	2,463,635
1920.....	2,233	37,623	21,976	951,610	1,054,122	85,325	33,147	309,184	2,508,454
1921.....	2,252	48,783	30,976	1,046,349	1,123,110	99,125	33,147	309,762	2,706,738
1922.....	2,274	48,951	42,951	1,096,300	1,299,991	134,025	33,147	329,057	2,999,030
1923.....	2,374	50,056	42,551	1,132,277	1,395,342	162,025	33,147	355,719	3,196,624
1924.....	2,274	65,327	44,631	1,309,086	1,585,042	162,025	34,107	355,718	3,571,444
1925.....	2,274	65,327	44,631	1,747,386	1,784,842	183,925	34,107	414,702	4,290,428
1926.....	2,374	65,702	47,231	1,915,443	1,790,588	227,135	34,107	460,562	4,556,266
1927.....	2,434	71,017	47,281	2,064,723	1,816,908	255,125	34,107	473,142	4,777,921

Distribution of Developed Water Power.—An analysis is made in Table 3 of the distribution of developed water power between 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 below, which indicate that over 11 p.c. of the developed power is developed by pulp and paper companies, in comparison with 7.5 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 over 90 p.c. of its machinery is driven by water power. The bulk of the water power used in other industries is also developed by central electric stations, converted into electricity and delivered to the various industrial plants.

Between 1923 and 1927 installations of over 1,591,000 h.p. were made, this figure including both new construction and the erection of new turbines and generators in existing water power stations. At the present time there are large new developments either in course of construction or actively projected, and there is every indication that the development of water power in Canada will make continued progress in the future.

3.—Distribution of Developed Water Power by Industries, Jan. 1, 1927.

(Turbine installation in H.P.)

Provinces.	In Central Stations. ¹	In Pulp and Paper Mills. ²	In other Industries. ³	Total.	Per 1,000 population.
Prince Edward Island.....	279	—	1,995	2,274	26
Nova Scotia.....	31,942	16,636	17,124	65,702	122
New Brunswick.....	25,325	13,003	8,403	47,231	116
Quebec.....	1,546,693	242,044	126,707	1,915,443	748
Ontario.....	1,508,266	174,548	107,774	1,790,588	589
Manitoba.....	210,725	—	16,400	227,125	356
Saskatchewan.....	—	—	35	35	0.04
Alberta.....	33,520	—	587	34,107	56
British Columbia.....	318,179	80,500	61,883	460,562	810
Yukon.....	10,000	—	3,199	13,199	2,825
Canada	3,685,428	526,731	344,107	4,556,266	485

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 total, pulp and paper companies purchase from the hydro power central stations, totalled in column 1, about 425,000 h.p. The total hydro power utilized in the pulp and paper industry is therefore about 950,000 h.p. ³ Includes only water power actually developed in connection with industries other than the central station and the pulp and paper industries. These industries also purchase blocks of power from the central stations totalled in column 1.