

The consistent growth of hydraulic turbine capacity is shown in Table 2. The average annual increase from 1900 to 1905 of 56,000 hp. was stepped up sharply in subsequent years because of improvements in the transmission of electricity and the building of large generating stations. During the period 1906-22, development proceeded at the fairly uniform rate of 150,000 hp. per annum but the rate of installation increased sharply in 1923 and continued at about 377,000 hp. each year from 1923 to 1935. As an aftermath to the economic depression, the rate of installation was low during the years 1936-39 but increased to a high average of 481,000 hp. per annum during the period 1940-43 to satisfy war requirements. Few developments were undertaken in the later war years or in the immediate postwar period so that only a small amount of new capacity came into operation in the 1944-47 period. However, the effects of the later postwar program of construction are apparent in the large growth during the years 1948-59 when the average rate was about 1,200,000 hp. per annum. A continuation of this rate of growth is indicated for some years.

2.—Hydraulic Turbine Horsepower Installed, by Province, as at Dec. 31, Decennially 1900-50 and Annually 1951-59

NOTE.—Figures for the years 1900-30 are given in the 1939 Year Book, p. 362; for 1931-39 in the 1946 edition, p. 362; and for 1940-49 in the 1954 edition, pp. 556-557.

Year	Newfoundland	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
	hp.	hp.	hp.	hp.	hp.	hp.
1900	—	1,521	19,810	4,601	82,864	53,876
1910	—	1,760	31,476	11,197	334,763	490,821
1920	—	2,233	37,623	21,976	955,090	1,057,422
1930	—	2,439	114,224	133,681	2,718,130	2,088,055
1940	—	2,617	139,217	133,347	4,320,943	2,597,595
1950	262,810	2,299	150,960	133,111	6,372,812	3,513,840
1951	279,160	2,299	150,960	132,911	6,755,351	3,718,505
1952	292,660	2,299	162,455	135,511	7,263,621	3,948,466
1953	311,150	1,900	162,433	164,130	7,719,122	4,006,686
1954	323,150	1,882	170,908	164,130	7,773,822	4,845,486
1955	329,150	1,882	177,018	164,130	7,975,657	5,367,866
1956	356,750	1,882	179,718	164,130	8,489,957	5,443,766
1957	337,970	1,882	181,958	209,130	8,979,857	5,824,766
1958	368,935	1,660	183,168	254,375	9,857,607	7,150,851
1959	370,135	1,660	183,168	254,875	11,315,407	7,982,151
Year	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	Canada
	hp.	hp.	hp.	hp.	hp.	hp.
1900	1,000	—	280	9,366	5	173,323
1910	38,800	30	655	64,474	3,195	977,171
1920	85,325	35	33,122	309,534	13,199	2,515,559
1930	311,925	42,035	70,532	630,792	13,199	6,125,012
1940	420,925	90,835	71,997	788,763	18,199	8,584,438
1950	595,200	111,835	107,225	1,284,208	28,450	12,562,750
1951	596,400	111,835	207,825	1,358,808	28,450	13,342,504
1952	716,900	111,835	207,825	1,432,858	31,450	14,305,880
1953	716,900	109,835	207,960	1,496,518	32,440	14,929,074
1954	756,900	109,835	258,710	2,246,868	32,440	16,684,131
1955	796,900	109,835	284,010	2,271,460	33,240	17,511,148
1956	796,900	109,835	285,010	2,514,960	33,240	18,356,148
1957	778,900	109,835	308,010	3,122,460	36,240	19,891,008
1958	778,900	109,835	312,595	3,310,460	51,240	22,379,626
1959	778,900	128,835	312,595	3,509,460	51,240	24,888,426