world in total installed capacity, being exceeded only by the United States; in installation per thousand population, Canada is exceeded only by Norway. Canada is in approximately sixth place in potential power resources but those resources are, on the whole, more readily available to prospective markets than is the case in other countries that outrank Canada, an exception being the United States. In particular might be mentioned the enormous potential resources of the great river systems of Africa and Asia.

Subsection 1.—Available and Developed Water Powers in Canada

Table 1 gives a summary of the water-power resources of Canada and their development as at Dec. 31, 1951.

1.—Available and Developed Water Power, by Provinces, as at Dec. 31, 1951

Province or Territory	Available 24-Hour Power at 80 p.c. Efficiency		Turbine
	At Ordinary Minimum Flow	At Ordinary Six-Months Flow	Installation
	h.p.	h.p.	h.p.
Newfoundland Prince Edward Island Nova Scotia New Brunswick Quebec. Ontario Manitoba Saskatchewan Alberta British Columbia. Yukon and Northwest Territories.	123,000 10,898,000 5,407,000 3,333,000 550,000 508,000 7,023,000	2,585,000 3,000 155,000 334,000 20,219.000 7,261.000 1,120.000 1,258.000 10,998.000 814.000	279,160 2,299 150,960 132,911 6,755,351 3,718,505 596,400 111,835 207,825 1,358,808 28,450
Canada	29,385,500	50,310,000	13,342,50

The figures given in the first and second columns of the above table represent 24-hour power and are based upon rapids, falls and power sites of which the actual drop, or the head of possible concentration, has been measured or at least carefully estimated. Under a 1951 revision following a review of stream-flow records, the estimates of potential power, particularly in the Province of Quebec, were appreciably increased, principally as a result of the use of higher run-off factors in computing or estimating available flows. The increase was also influenced by changed flow conditions on controlled rivers and to higher heads at new developments. However, tabulations of potential power in Canada are still not complete as many unrecorded rapids and falls of undertermined power capacity exist on rivers and streams throughout the country, particularly in the less-explored northern districts. Apart from cases where definite studies have been carried out and the results recorded, no consideration has been given to the power concentrations that are feasible on rivers and streams of gradual gradient, where economic heads possibly may be created by the construction of dams. Thus the figures in Table 1 of available power, under the two conditions of stream flow, represent only the minimum waterpower possibilities of Canada.