

Of the total water-power developed, 1,727,471 horse-power is installed in central electrical stations, that is to say, in stations developing electrical energy for distribution and sale; 352,214 horse-power is installed in plants owned and operated by pulp and paper companies, and 225,625 horse-power is installed in other miscellaneous manufacturing and general industrial establishments. The foregoing figure for pulp and paper companies does not, however, represent the total amount of water-power used in that industry; upwards of 100,000 hydro-electric horse-power in addition is purchased by pulp and paper companies from central electrical stations, making the total hydro power utilized in pulp and paper industry some 450,000 horse-power. If this 100,000 horse-power is added to column 2, it should be subtracted from column 1 to maintain the correct tabular totals.

Column 5 of the table discloses interesting figures respecting the hydro power development in the various provinces on a per capita basis. In the Yukon the hydro power developed per thousand population totals 1,574 horse-power, in British Columbia 506 horse-power, in Quebec 376 horse-power, in Ontario 359 horse-power, and in Manitoba 133 horse-power. The other provinces average smaller figures. The ratio for the entire Dominion averages 276 horse-power developed per thousand population. The availability of hydro-power, the distribution, the density and occupation of the population have a very direct bearing upon the amount of power developed.

The per capita figures of hydro power developed for the Dominion, when compared with similar figures for other countries, are indicative of the advanced position which this country takes, both in the extent and in the utilization of the water-power resources. Norway and possibly Sweden are the only countries where the per capita utilization of water-power exceeds that of Canada. The fundamental reason underlying the extensive use of water-power in Canada lies in the fact that practically every commercial centre from coast to coast, excepting only a few in the middle Prairie Provinces, have abundance of water-power available, not only for present needs, but for all anticipated requirements.

THE DIRECTORY.

In compiling the material for the Directory, digests were prepared covering the installations of the central stations and incorporating the available general data pertinent to the scope of their activities. These digests were submitted to the officials in responsible charge of the respective stations, companies or municipalities with a request that the data be checked, deleted or added to as each individual case might warrant, and that the revised digest be returned to Ottawa for publication. The material as published therefore represents the revisions of responsible officials in each instance. The date of the final return is included in the write-up.