

(2) municipal—those owned and operated by municipalities or provincial governments. These are subdivided according to the kind of power used into (a) hydraulic, (b) fuel, and (c) non-generating. This last sub-class purchases practically all the power it resells; a few of these stations have generating equipment that is held for emergencies. The hydraulic stations contain water turbines and wheels with approximately 87 p.c. of the total capacity of hydro installations in all industries in Canada. The generators driven by this hydraulic equipment generate 97 p.c. of the total output of all central electric stations.

4.—Electric Energy Generated, by Type of Station, 1941-50, and by Provinces, 1949 and 1950

Year and Province	Generated by—		Total	Year, Province or Territory	Generated by—		Total
	Water Power	Thermal Engines			Water Power	Thermal Engines	
	'000 kwh.	'000 kwh.	'000 kwh.		'000 kwh.	'000 kwh.	'000 kwh.
1941.....	32,628,930	688,733	33,317,663	1949—Contc.			
1942.....	36,582,953	772,226	37,355,179	B.C.....	1,959,124	146,062	2,105,186
1943.....	39,660,312	819,281	40,479,593	Yukon and			
1944.....	39,553,352	1,045,427	40,598,779	N.W.T....	43,730	1,226	44,956
1945.....	39,131,020	999,034	40,130,054	Canada,			
1946.....	40,692,395	1,044,592	41,736,987	1949.....	42,779,199	1,639,374	44,418,573
1947.....	42,273,167	1,151,632	43,424,799	1950			
1948.....	41,070,095	1,319,586	42,389,681	N'l'd.....	146,461	1,009	147,470
1949.....	42,779,199	1,639,374	44,418,573	P.E.I.....	371	28,679	29,050
1950.....	46,624,218	1,869,500	48,493,718	N.S.....	378,006	384,333	762,339
				N.B.....	480,431	216,088	696,519
1949				Que.....	27,313,339	9,972	27,323,311
N'l'd.....	199,874	736	200,610	Ont.....	12,552,793	165,725	12,718,518
P.E.I.....	462	24,488	24,950	Man.....	2,445,263	4,120	2,449,383
N.S.....	367,784	349,689	717,473	Sask.....	500,720	402,424	903,144
N.B.....	446,519	204,734	651,253	Alta.....	340,884	528,180	869,064
Que.....	25,522,221	8,702	25,530,923	B.C.....	2,407,454	127,958	2,535,412
Ont.....	11,228,553	95,854	11,324,407	Yukon and			
Man.....	2,156,401	3,597	2,159,998	N.W.T....	58,496	1,012	59,508
Sask.....	491,571	366,517	858,088	Canada,			
Alta.....	362,960	437,769	800,729	1950.....	46,624,218	1,869,500	48,493,718

Subsection 1.—Statistics of Central Electric Stations*

The growth of the central electric station industry has been practically continuous since 1919, when statistics of kilowatt hours generated were first made available. Minor hesitations in output occurred in years of recession but the general movement has been strongly upward and, based on monthly data, the output of central stations during 1951 was more than ten times that of 1919. Ample electric power at reasonable rates has been a principal factor in the transformation of Canada over the past half century from a predominantly agricultural to an industrial nation.

The central electric station industry is one that is particularly suited to large-scale operation because of the huge outlay of capital necessary. Capital invested and total horsepower installed increased almost continuously even during the

* Revised in the Public Finance and Transportation Division, Dominion Bureau of Statistics.