

Section 4.—Electric Power Statistics

Electric power statistics presented in this Section are based on reports of all electrical utilities and all industrial establishments that generate energy regardless of whether or not any is sold and therefore show the total production and distribution of electric energy in Canada. Utilities are defined as companies, commissions, municipalities or individuals whose primary function is to sell most of the electric energy that they have either generated or purchased. Industrial establishments are defined as companies or individuals that generate electricity mainly for use in their own plants.

The current series of electric power statistics dates back to 1956. Earlier reports, entitled *Central Electric Stations*, were concerned solely with the electrical utility industry and hence excluded statistics relating to power produced by industrial establishments for their own use, although power sold by such establishments was included.

The figures of total water and thermal power generated for the years 1951-55 shown in Table 5 are compiled on the old basis, figures for 1956 are shown on both bases for comparative purposes, and those for later years are on the new basis.

5.—Electric Energy Generated, by Type of Station 1951-64, and by Province 1963 and 1964

Year and Province or Territory	Generated by—			Year and Province or Territory	Generated by—		
	Water Power	Thermal Power	Total		Water Power	Thermal Power	Total
	'000 kwh.	'000 kwh.	'000 kwh.		'000 kwh.	'000 kwh.	'000 kwh.
1951.....	52,955,002	1,896,842	54,851,844	1958.....	90,509,200	6,975,089	97,484,289
1952.....	57,023,530	2,385,668	59,409,198	1959.....	97,039,830	7,588,653	104,628,483
1953.....	58,926,462	3,034,465	62,860,927	1960.....	105,882,773	8,495,160	114,377,933
1954.....	62,572,316	3,264,121	65,836,437	1961.....	103,919,241	9,794,077	113,713,318
1955.....	69,478,003	3,432,589	72,910,592	1962.....	104,050,724	13,418,024	117,468,748
1956.....	73,524,583	4,479,770	78,004,353	1963.....	102,831,866	18,408,328	122,238,194
1956 ¹	81,839,868	6,543,333	88,383,201	1964.....	113,343,948	21,642,799	134,986,747
1957.....	83,373,220	7,668,860	91,042,080				
1963				1964			
Nfld.....	1,946,874	122,730	2,069,604	Nfld.....	2,294,853	129,223	2,424,086
P.E.I.....	—	111,140	111,140	P.E.I.....	—	123,982	123,982
N.S.....	804,913	1,331,015	2,135,928	N.S.....	722,426	1,680,199	2,402,625
N.B.....	1,279,307	1,031,449	2,310,756	N.B.....	1,023,516	1,532,275	2,555,791
Que.....	49,555,200	378,572	49,933,772	Que.....	56,362,217	489,884	56,852,101
Ont.....	29,139,855	8,469,207	37,609,062	Ont.....	30,186,245	9,538,890	39,725,225
Man.....	4,737,458	117,751	4,855,209	Man.....	4,800,712	190,451	4,991,163
Sask.....	938,978	2,002,398	2,941,376	Sask.....	1,389,211	1,969,968	3,359,179
Alta.....	881,167	3,650,078	4,531,245	Alta.....	895,860	4,130,987	5,026,847
B.C.....	14,297,833	1,153,035	15,450,868	B.C.....	15,480,140	1,832,531	17,312,671
Yukon and N.W.T.....	200,281	38,953	239,234	Yukon and N.W.T.....	208,668	44,399	253,067
Canada, 1963	163,831,866	18,406,338	182,238,204	Canada, 1964	113,343,948	21,642,799	134,986,747

¹ New series, see immediately preceding text.

Of the total generation in 1964 of 134,986,747,000 kwh., 84.0 p.c. was produced from water power and 16.0 p.c. was generated thermally; the proportions differed somewhat among provinces as shown in the following statement.

Province	Hydro		Thermal		Province or Territory	Hydro		Thermal	
	p.c.		p.c.			p.c.		p.c.	
Newfoundland.....	94.6		5.4		Ontario.....	78.0		22.0	
Prince Edward Island....	—		100.0		Manitoba.....	98.2		1.8	
Nova Scotia.....	30.1		69.9		Saskatchewan.....	41.0		59.0	
New Brunswick.....	40.0		60.0		Alberta.....	17.8		82.2	
Quebec.....	99.2		0.8		British Columbia.....	89.4		10.6	
					Yukon and N.W.T.....	82.6		17.5	