

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 6 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.

6.—Electric Energy Generated, by Type of Station 1951-63, and by Province 1962 and 1963

Year and Province or Territory	Generated by—		Total '000 kwh.	Year and Province or Territory	Generated by—		Total '000 kwh.
	Water Power '000 kwh.	Thermal Power '000 kwh.			Water Power '000 kwh.	Thermal Power '000 kwh.	
1951.....	52,955,002	1,896,842	54,851,844	1957.....	83,373,220	7,668,860	91,042,080
1952.....	57,023,530	2,385,668	59,409,198	1958.....	90,509,200	6,975,089	97,484,289
1953.....	58,926,462	3,934,465	62,860,927	1959.....	97,039,830	7,588,653	104,628,483
1954.....	62,572,316	3,354,124	65,926,440	1960.....	105,882,773	8,495,160	114,377,933
1955.....	69,478,003	3,432,589	72,910,592	1961.....	103,919,241	9,794,077	113,713,318
1956.....	73,524,583	4,479,770	78,004,353	1962.....	104,050,724	13,418,024	117,468,748
1956 ¹	81,839,968	6,543,333	88,383,301	1963.....	103,831,866	18,406,328	122,238,194
1962				1963			
Nfld.....	1,550,516	112,135	1,662,651	Nfld.....	1,946,874	122,730	2,069,604
P.E.I.....	407	101,347	101,754	P.E.I.....	111,140	111,140	111,140
N.S.....	715,400	1,233,639	1,949,039	N.S.....	804,913	1,331,015	2,135,928
N.B.....	1,213,475	961,180	2,174,655	N.B.....	1,279,307	1,031,449	2,310,756
Que.....	49,907,955	351,347	50,259,302	Que.....	49,555,200	378,572	49,933,772
Ont.....	30,912,426	4,377,429	35,289,855	Ont.....	29,139,855	8,469,207	37,609,062
Man.....	4,220,586	146,019	4,366,605	Man.....	4,737,458	117,751	4,855,209
Sask.....	706,739	1,981,635	2,688,374	Sask.....	988,978	2,002,398	2,991,376
Alta.....	956,195	3,137,192	4,093,387	Alta.....	881,167	3,650,078	4,531,245
B.C.....	13,668,585	983,492	14,652,077	B.C.....	14,297,833	1,153,035	15,450,868
Yukon and N.W.T.....	198,440	32,559	230,999	Yukon and N.W.T.....	200,281	38,953	239,234
Canada, 1962...	104,050,724	13,418,024	117,468,748	Canada, 1963...	103,831,866	18,406,328	122,238,194

¹ New series, see immediately preceding text.

Of the total generation in 1963 of 122,238,194,000 kwh., 84.9 p.c. was produced from water power and 15.1 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.....	94.0	6.0	Manitoba.....	97.6	2.4
Prince Edward Island.....	—	100.0	Saskatchewan.....	33.1	66.9
Nova Scotia.....	37.7	62.3	Alberta.....	19.4	80.6
New Brunswick.....	55.4	44.6	British Columbia.....	92.5	7.5
Quebec.....	99.2	0.8	Yukon and N.W.T.....	83.7	16.3
Ontario.....	77.5	22.5			