

will be required to fuel its steam capacity which by 1980 may amount to 10,000,000 kw. or twice the available generating facilities available from hydraulic sources.

The report of the sixth survey of capability and load shows that from 1950 to 1959 the net generating capability of thermal stations had increased by 296 p.c., as compared with 99 p.c. for hydro stations, with a forecast that by the end of 1962 thermal station net generating capability will have advanced over 1950 by 646 p.c. as against 129 p.c. for hydro stations.

Table 4 gives, by province, the estimated amount of increase in net generating capability and the percentage annual increment in thermal and hydro facilities for the period 1950-62. These data clearly indicate the growing importance of thermal generating capacity in comparison with hydro, and that, proportionately, the rate of growth is higher than for hydro in all of the provinces.

4.—Estimated Increase in Net Generating Capability, by Province, for the Period 1950-62

Province or Territory	Increase in Thermal Facilities		Increase in Hydro Facilities	
	Amount	Annual Increment ¹	Amount	Annual Increment ¹
	'000 kw.	p.c.	'000 kw.	p.c.
Newfoundland.....	34	11.8	95	3.7
Prince Edward Island.....	26	11.3	—	—
Nova Scotia.....	270	11.8	46	2.9
New Brunswick.....	154	8.0	95	6.2
Québec.....	45	8.7	4,454	6.0
Ontario.....	2,046	22.1	2,951	7.0
Manitoba.....	284	...	148	2.6
Saskatchewan.....	541	14.7	89	6.2
Alberta.....	692	18.1	235	11.8
British Columbia.....	609	18.1	1,795	9.9
Yukon and Northwest Territories.....	5	...	22	6.2
Canada.....	4,706	17.5	9,930	6.6

¹ Compounded. A sustained annual percentage increase of 7.5 roughly indicates that the generating capability will double in ten years.

Table 5 shows, provincially, the amount of installed capacity and electricity generated in thermal stations in 1958, with percentage of total in each case. Preliminary figures for the electricity generated in 1959 are included.

5.—Installed Thermal Generating Capacity and Electricity Generated, by Province, 1958 and 1959

Province or Territory	Capacity in Thermal Stations		Generation by Thermal Stations			
	1958		1958		1959 ^a	
	Amount	P.C. of Total ¹	Amount	P.C. of Total ¹	Amount	P.C. of Total ¹
	'000 kw.		'000,000 kwh.		'000,000 kwh.	
Newfoundland.....	34	12.1	70	5.0	54	4.0
Prince Edward Island.....	26	99.4	62	99.1	71	100.0
Nova Scotia.....	291	69.5	917	58.7	966	58.9
New Brunswick.....	200	51.4	590	36.6	692	41.5
Quebec.....	78	1.1	218	0.5	209	0.5
Ontario.....	818	14.2	1,239	4.2	946	2.8
Manitoba.....	185	24.4	140	4.3	51	1.4
Saskatchewan.....	462	84.0	1,348	70.3	1,498	71.9
Alberta.....	515	70.0	1,737	63.7	2,231	72.6
British Columbia.....	262	10.4	628	5.3	603	4.9
Yukon and Northwest Territories.....	5	11.6	9	5.9	9	5.5
Canada.....	2,876	15.5	6,958	7.1	7,330	7.1

¹ Combined thermal and hydro generating capacity.