

4.—Net Generating Capability, by Province, 1962—concluded

Type of Generating Facility	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
Hydro-electric.....	735	107	327	2,599	44	18,651
Thermal-electric—						
Steam.....	291	575	643	424	1	4,596
Internal combustion.....	7	37	33	112	10	251
Gas turbine.....	—	33	130	172	—	371
Totals.....	1,033	752	1,133	3,307	55	23,869

5.—Capability and Firm Power Peak Load Requirements, Actual 1951 and 1956-62 and Forecast 1963-66

(Thousand kilowatts)

Item	ACTUAL								FORECAST			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966
Net Generating Capability—												
Hydro-electric.....	9,044	12,841	14,143	15,912	17,086	18,516	18,389	18,651	19,497	20,184	20,937	21,441
Steam—Conventional.....							3,648	4,596	5,377	5,993	6,268	6,728
Nuclear.....							—	—	—	—	200	200
Internal combustion.....	1,032	2,142	2,326	2,716	3,119	3,824	240	251	248	255	258	262
Gas turbine.....							351	371	376	379	379	397
Totals, Net Generating Capability.....	10,076	14,983	16,469	18,628	20,205	22,340	22,628	23,869	25,498	26,811	28,042	29,028
Receipts of firm power from United States.....	—	56	—	—	—	—	2	4	4	4	4	4
Deliveries of firm power to United States.....	175	147	150	152	152	166	146	121	118	69	70	56
Totals, Net Capability..	9,901	14,892	16,319	18,476	20,053	22,174	22,484	23,752	25,384	26,746	27,976	28,976
Peak Loads—												
Firm power peak load within Canada.....	8,989	13,668	14,664	15,568	16,201	17,264	18,353	18,972	20,377	21,656	22,988	24,446
Indicated shortages.....	321	47	2	—	—	—	—	—	—	—	1	4
Totals, Indicated Peak Load within Canada..	9,310	13,715	14,666	15,568	16,201	17,264	18,353	18,972	20,377	21,656	22,989	24,450
Indicated Reserve.....	591	1,177	1,653	2,908	3,852	4,910	4,131	4,780	5,007	5,090	4,987	4,526

Section 3.—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.