

of the rapid increase in generating capability and the somewhat slower but steady increase in the peak loads as well as the slight reduction in deliveries of firm power to the United States, the indicated reserve on net generating capability, which increased steadily from 1951 to 1960, declined in 1961; it is forecast to increase in 1962, decrease in 1963 and 1964 and increase again in 1965. The reserve ratio as a percentage of firm power peak load, which reached a high of 28.2 p.c. in 1960, is expected to decrease to 15.2 p.c. in 1964, the lowest ratio since 1948, but increase to 20.3 p.c. in 1965.

4.—Net Generating Capability, by Province, 1961

(Thousand kilowatts)

Type of Generating Facility	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.
Hydro-electric.....	258	—	141	185	8,628	5,292
Thermal-electric—						
Steam.....	40	32	365	243	59	1,555
Internal combustion.....	13	5	2	8	15	11
Gas turbine.....	—	—	—	—	36	—
Totals.....	311	37	508	436	8,738	6,858
	Man.	Sask.	Alta.	B.C.	Yukon and N.W.T.	Canada
Hydro-electric.....	735	107	327	2,672	44	18,389
Thermal-electric—						
Steam.....	166	572	498	117	1	3,648
Internal combustion.....	4	35	28	109	10	240
Gas turbine.....	—	43	100	172	—	351
Totals.....	905	757	953	3,070	55	22,628

5.—Capability and Firm Power Peak Load Requirements, Actual 1951 and 1956-61 and Forecast 1962-65

(Thousand kilowatts)

Item	Actual						Forecast				
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Net Generating Capability—											
Hydro-electric.....	9,044	12,841	14,143	15,912	17,086	18,516	18,389	18,728	19,526	20,121	21,013
Steam—Conventional.....							3,648	4,868	5,292	5,960	6,450
Nuclear.....							—	—	—	—	200
Internal combustion.....	1,032	2,142	2,326	2,716	3,119	3,824	240	240	243	249	254
Gas turbine.....							351	382	384	386	396
Totals, Net Generating Capability....	10,076	14,983	16,469	18,628	20,205	22,340	22,628	24,218	25,445	26,716	28,313
Receipts of firm power from United States.....	—	56	—	—	—	—	2	2	3	3	3
Deliveries of firm power to United States.....	175	147	150	152	152	166	146	176	131	135	121
Totals, Net Capability	9,901	14,892	16,319	18,476	20,053	22,174	22,484	24,044	25,317	26,584	28,195
Peak Loads—											
Firm power peak load within Canada.....	8,989	13,668	14,664	15,568	16,201	17,264	18,353	19,493	20,871	22,188	23,415
Indicated shortages.....	321	47	2	—	—	—	—	—	—	—	—
Totals, Indicated Peak Load within Canada	9,310	13,715	14,666	15,568	16,201	17,264	18,353	19,493	20,871	22,188	23,415
Indicated Reserve.....	591	1,177	1,653	2,908	3,852	4,910	4,131	4,551	4,446	4,396	4,780