

13.13 Installed generating capacity, as at Dec. 31, 1975 and 1976 (megawatts) (concluded)

Year and province or territory	Steam		Gas turbine	Internal combustion	Total thermal	Hydro	Total
	Conventional	Nuclear					
1976 ^P							
Newfoundland (incl. Labrador)	355	—	114	72	541	6 206	6 747
Prince Edward Island	71	—	41	7	118	—	118
Nova Scotia	1 162	—	205	6	1 373	160	1 533
New Brunswick	1 261	—	23	9	1 293	680	1 972
Quebec	667	266	53	79	1 065	15 012	16 077
Ontario	12 893	3 200	551	22	16 665	7 050	23 715
Manitoba	447	—	28	20	495	2 475	2 970
Saskatchewan	1 085	—	157	24	1 266	567	1 833
Alberta	3 538	—	196	48	3 781	718	4 500
British Columbia	1 370	—	350	137	1 857	6 500	8 357
Yukon Territory	—	—	—	45	45	58	103
Northwest Territories	1	—	2	111	113	49	162
Canada, 1976	22 847	3 466	1 720	580	28 613	39 475	68 088
Net additions, 1976	3 386	800	342	14	4 543	2 194	6 736
Percentage increase, over 1975	14.8	30.0	24.8	2.5	18.9	5.9	11.0
Per cent of total capacity, 1976	33.6	5.1	2.5	0.8	42.0	58.0	100.0

13.14 Capability and firm power peak-load requirements, actual 1966 and 1973-76, and forecast 1977-81 (megawatts)

Item	Actual					Forecast				
	1966	1973	1974	1975	1976	1977	1978	1979	1980	1981
NET GENERATING CAPABILITY										
Hydroelectric	21 459	34 807	36 624	37 318	38 543	40 263	41 520	42 274	45 451	47 527
Steam, conventional	6 634	15 161	13 694	16 484	18 884	22 298	23 120	24 156	24 812	25 809
nuclear	—	2 284	1 775	2 284	2 284	3 713	4 279	5 615	6 249	6 857
Internal combustion	257	375	393	410	406	420	425	433	428	439
Gas turbine	583	1 180	1 156	1 437	1 783	2 034	2 037	2 287	2 615	2 766
Total, net generating capability	28 933	53 807	53 642	57 933	61 900	68 728	71 381	74 765	79 555	83 398
Receipts of firm power from United States	100	1	2	1	51	7	138	81	28	37
Deliveries of firm power to United States	87	416	394	228	656	633	407	480	543	500
Total, net capability	28 946	53 392	53 250	57 706	61 295	68 102	71 112	74 366	79 040	82 935
PEAK LOADS										
Firm power peak loads within Canada	25 921	42 699	42 528	45 995	49 399	53 155	56 709	60 725	64 999	69 368
Indicated shortages	—	—	—	192	138	—	—	—	—	—
Total, indicated peak loads within Canada	25 921	42 699	42 528	46 187	49 537	53 155	56 709	60 725	64 999	69 368
Indicated reserve	3 025	10 693	10 722	11 519	11 758	14 947	14 403	13 641	14 041	13 567

13.15 Electric energy generation, by fuel type, 1976

Province or territory	Hydro		Thermal						Nuclear		Total generation			
	GWh	%	Coal		Oil		Gas		GWh	%	GWh	%		
			GWh	%	GWh	%	GWh	%						
Newfoundland ¹	38 774	99.0	—	—	417	1.0	—	—	417	1.0	—	—	39 190	13.4
Prince Edward Island	—	—	—	—	445	100.0	—	—	445	100.0	—	—	445	0.2
Nova Scotia	792	14.0	1 369	24.2	3 501	61.8	—	—	4 870	86.0	—	—	5 662	1.9
New Brunswick	3 409	51.6	355	5.4	2 843	43.0	—	—	3 198	48.4	—	—	6 607	2.3
Quebec	77 440	99.6	—	—	272	0.4	—	—	272	0.4	—	—	77 712	26.5
Ontario	38 292	43.9	23 021	26.4	5 007	5.7	4 487	5.1	32 515	37.3	16 430	18.8	87 237	29.7
Manitoba	12 729	90.9	1 200	8.6	75	0.5	—	—	1 275	9.1	—	—	14 004	4.8
Saskatchewan	2 463	32.8	4 299	57.2	51	0.7	702	9.3	5 052	67.2	—	—	7 515	2.6
Alberta	1 951	12.4	9 155	58.0	41	0.3	4 633	29.4	13 829	87.6	—	—	15 779	5.4
British Columbia	36 689	95.2	—	—	133	0.3	1 720	4.5	1 854	4.8	—	—	38 543	13.1
Yukon Territory	258	84.0	—	—	49	16.0	—	—	49	16.0	—	—	307	0.1
Northwest Territories	254	69.4	—	—	112	30.6	—	—	112	30.6	—	—	366	0.1
Canada	213 049	72.6	39 399	13.4	12 947	4.4	11 542	3.9	63 888	21.8	16 430	5.6	293 367	100.0

¹Including export to Quebec of 32 105 GWh hydroelectric energy.