

13.14 Capability and firm power peak-load requirements, actual 1967 and 1974-77, and forecast 1978-82 (megawatts)

Item	Actual					Forecast				
	1967	1974	1975	1976	1977	1978	1979	1980	1981	1982
NET GENERATING CAPABILITY										
Hydroelectric	22 393	36 624	37 318	38 543	40 520	41 990	42 534	45 719	47 804	49 708
Steam, conventional	7 798	13 694	16 484	18 884	21 125	22 730	23 853	24 765	25 777	26 918
nuclear	167	1 775	2 284	2 284	3 950	4 369	5 651	6 509	7 025	8 057
Internal combustion	264	393	410	406	390	415	405	411	418	419
Gas turbine	748	1 156	1 437	1 783	1 808	1 982	2 235	2 513	2 589	2 654
Total, net generating capability	31 370	53 642	57 933	61 900	67 793	71 486	74 678	79 917	83 613	87 756
Receipts of firm power from United States	180	2	1	51	1	13	21	328	337	346
Deliveries of firm power to United States	95	394	228	656	705	534	536	536	489	488
Total, net capability	31 455	53 250	57 706	61 295	67 089	70 965	74 163	79 709	83 461	87 614
PEAK LOADS										
Firm power peak loads within Canada	27 812	42 528	45 995	49 399	51 811	55 001	57 746	61 585	65 444	69 691
Indicated shortages	—	—	192	138	190	360	420	480	443	485
Total, indicated peak loads within Canada	27 812	42 528	46 187	49 537	52 001	55 361	58 166	62 065	65 887	70 176
Indicated reserve	3 643	10 722	11 519	11 758	15 088	15 604	15 997	17 644	17 574	17 438

13.15 Electric energy generation, by fuel type, 1977 and 1978

Year and province or territory	Hydro		Thermal						Nuclear		Total generation GWh	
	GWh	%	Coal		Oil		Gas		GWh	%		
			GWh	%	GWh	%	GWh	%				
1977												
Newfoundland ¹	40 594	99.0	—	—	428	1.0	—	—	428	1.0	—	41 022
Prince Edward Island	—	—	—	—	385	100.0	—	—	385	100.0	—	385
Nova Scotia	794	13.8	973	16.9	3 992	69.3	—	—	4 965	86.2	—	5 759
New Brunswick	3 019	37.0	375	4.6	4 760	58.4	—	—	5 135	63.0	—	8 155
Quebec	82 743	99.6	—	—	247	0.3	—	—	252	0.3	65	83 059
Ontario	36 430	38.1	26 426	27.6	1 868	2.0	6 295	6.6	34 589	36.1	24 674	95 693
Manitoba	11 144	89.1	1 229	9.8	126	1.0	14	0.1	1 368	10.9	—	12 512
Saskatchewan	2 102	25.1	5 049	60.2	25	0.3	1 214	14.5	6 288	74.9	—	8 390
Alberta	1 484	8.4	12 399	69.8	33	0.2	3 840	21.6	16 272	91.6	—	17 756
British Columbia	41 259	95.7	—	—	1 059	2.5	805	1.9	1 864	4.3	—	43 124
Yukon	324	88.3	—	—	43	11.7	—	—	43	11.7	—	367
Northwest Territories	266	71.9	—	—	104	28.1	—	—	104	28.1	—	370
Canada	220 150	69.5	46 679	14.7	13 122	4.1	11 903	3.8	71 703	22.6	24 739	316 592
1978												
Newfoundland ¹	44 044	98.1	—	—	861	1.9	—	—	861	1.9	—	44 905
Prince Edward Island	—	—	—	—	209	100.0	—	—	209	100.0	—	209
Nova Scotia	772	12.6	1 051	17.1	4 309	70.3	—	—	5 360	87.4	—	6 132
New Brunswick	2 033	26.4	414	5.4	5 255	68.2	—	—	5 669	73.6	—	7 703
Quebec	85 442	99.4	—	—	494	0.6	10	—	504	0.6	-22	85 924
Ontario	39 170	38.3	25 640	25.1	1 812	1.8	6 108	6.0	33 560	32.8	29 464	102 194
Manitoba	16 983	97.2	440	2.5	45	0.3	5	—	490	2.8	—	17 474
Saskatchewan	2 548	28.8	5 055	57.2	25	0.3	1 215	13.7	6 295	71.2	—	8 843
Alberta	1 831	9.6	13 146	68.9	35	0.2	4 072	21.3	17 252	90.4	—	19 083
British Columbia	40 612	95.7	—	—	1 037	2.4	788	1.9	1 825	4.3	—	42 437
Yukon	324	87.8	—	—	45	12.2	—	—	45	12.2	—	369
Northwest Territories	275	71.6	—	—	108	28.1	—	—	108	28.1	—	384
Canada	234 034	69.7	46 988	14.0	13 209	3.9	11 982	3.6	72 178	21.5	29 442	335 654

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

13.16 Electricity made available for use in Canada, 1977 and 1978 (thousand megawatt hours)

Item and year	Province or territory						
	Nfld.	PEI	NS	NB	Que.	Ont.	Man.
1977	7 673	452	6 124	7 983	101 679	98 405	12 369
1978	7 881	477	6 354	8 252	109 824	101 527	13 311
Percentage change	2.7	5.6	3.8	3.4	8.0	3.2	7.6
	Sask.	Alta.	BC	Yukon	NWT	Canada	
1977	8 082	17 503	38 532	367	370	299 540	
1978	8 723	19 034	40 024	369	384	316 161	
Percentage change	7.9	8.8	3.9	0.5	3.6	5.6	