

CATALOGUE No.
57-204

ANNUAL

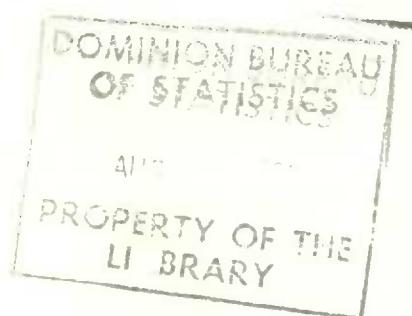
Historical File Copy



Eighth
**ANNUAL ELECTRIC POWER SURVEY
OF CAPABILITY AND LOAD**

1961 Actual

1962 - 1965 Forecast



DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Public Utilities Section



DOMINION BUREAU OF STATISTICS
Public Finance and Transportation Division
Public Utilities Section

Eighth
**ANNUAL ELECTRIC POWER SURVEY
OF CAPABILITY AND LOAD**

1961 Actual
1962 - 1965 Forecast

Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce

August, 1962
8506-508

Price 50 cents

Reports Published by the
Public Finance and Transportation Division
dealing with

ELECTRIC POWER

Catalogue number	Title	Price
Annual		
57-201	Electric and Gas Meter Registrations. Approx. 200pp. Meter registrations by province, county or census division, company and place served, by type of service	\$2.00
57-202	Electric Power Statistics. Approx. 50pp. Summary and detailed analyses of generation and use of electric power in Canada, power plant equipment, customers, employees, salaries and wages and financial statistics .....	.75
57-203	Electricity Bills for Domestic, Commercial and Small Power Service. Approx. 15pp. Includes an annual index of electricity bills for domestic service, and bills for light and power in cities and representative municipalities .....	.50
57-204	Electric Power Survey of Capability and Load. Approx. 45pp. Current and projected data of capability and load of major producers of electric energy in Canada .....	.50
Monthly		
57-001	Electric Power Statistics. Approx. 4pp. Production by utilities and industrial establishments, imports and exports, power made available for use in Canada, amount used in electric boilers, by provinces.	
	Per copy 10¢; per year	\$1.00
Occasional		
57-501	Inventory of Prime Mover and Generating Equipment. Approx. 96pp. A list of the large generating plants in Canada by ownership, showing the location, year of installation, name-plate rating and other details of each large unit, as at December 31, 1958	\$1.00

TABLE OF CONTENTS

	Page
Introduction	5
Review of Survey Results	6

CHARTS

A. Net Generating Capability within Canada	8
This chart graphically portrays the rapid growth in ability to produce power and shows the extent to which thermal generation is becoming increasingly important.	
B. Net Capability and Firm Demand within Canada	9
This chart provides an indication of the reserves available to meet firm demand for electric power within Canada.	
C. Net Generating Capability within Provinces	10
This chart illustrates the growth in capability and the comparative importance of hydro and thermal generation within provinces.	
D. Net Capability and Firm Demand within Provinces	12
This chart provides a graphic indication of the year to year ability of each of the provinces to meet its firm demand for electric power.	
E. Firm Energy Requirement within Canada	14
This chart shows the growth in Canadian firm energy requirement during the period 1950-1965.	

TABLES

1A. <u>Capability and Firm Power Peak Load Requirements</u>	15
This table summarizes capability, firm power peak load and indicated reserve for Canada and for each of the provinces.	
1B. <u>Energy Supply and Requirements</u>	27
This table summarizes current and historical data on generation, interprovincial receipts and deliveries, secondary energy, and firm energy requirements.	
2. <u>Total Net Generating Capability within Provinces</u>	39
This table compares provincial rates of growth in net generating capability.	
3. <u>Firm Power Peak Load within Provinces</u>	40
This table compares rates of growth of firm power peak load within provinces.	
4. <u>Firm Energy Requirement within Provinces</u>	41
This table compares rates of growth of firm energy requirement within provinces.	
5. <u>Indicated Reserve</u>	42
This table shows the relationship between the demand for power and the ability to meet it in each of the provinces and in Canada as a whole.	
Glossary of Terms	45
Canadian Electrical Association Electric Power Statistics Committee	46

SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

.. Figures not available.

... Figures not appropriate or not applicable.

- Nil or zero.

Introduction

This report presents the results of the Eighth Annual Electric Power Survey of Capability and Load which was conducted in March 1962. The survey covers all producers of electric energy in Canada which generate 10 million kwh. or more per annum. This report, therefore, covers the same group of companies which provide the statistics for the monthly "Electric Power Statistics" report (catalogue No. 57-001).

There are approximately 150 responding companies in the group, about half of which are utilities and half industrial establishments. The combined group accounts for 99.3 per cent of all generation, all the imports and exports. The utilities group contributes 79 per cent of the generation to the Canada total.

This year's report is the first incorporating the results obtained by the use of a revised reporting form. As a consequence, several revisions are incorporated into the report and historical figures adjusted where necessary. The revised report is organized in such a manner that there is a direct comparison and link with the monthly "Electric Power Statistics" in that the generation figures are common to the two publications; any differences are due to late revisions.

The survey is carried out in co-operation with the Canadian Electrical Association. Area representatives of the Association collect and edit the returns which are forwarded to the Dominion Bureau of Statistics for final revision, editing and compilation. A Co-ordinating Panel composed of members of the Canadian Electrical Association and the Dominion Bureau of Statistics review the results immediately prior to publication. The assistance received from the Canadian Electrical Association and its members has been invaluable in making possible the early release of the survey data.

Concepts and Definitions

Table 1A. Capability and Firm Power Peak Load Requirements:

The generating capability and firm power peak load concepts are virtually unchanged from previous reports. However, more detail has been provided in the generating capability which is now broken down to identify conventional steam, nuclear steam, internal combustion, and gas turbine equipment. Generating capability measures the expected power of all available generating facilities of the province (or nation) at the time of one-hour firm peak load for each of the respondents. This may be equal to, or smaller than, the generating capacity as measured by the name plate rating of the equipment and published in the "Prime Mover and Electric Generating Equipment" report.

The variations between generating capability and generating capacity may be caused by high water in reservoirs resulting in a higher water head and greater generation than the name plate capacity; the impossibility of placing all pieces of equipment on the line at the same time, low water, ice, or some equipment being considered unreliable, thereby resulting in generation below capacity.

All figures in Table 1A of the report are calculated at the time of the one-hour peak load for each of the respondents. As a result, capability and peak loads are non-coincident (the arithmetic sum of the actual peak loads regardless of time of occurrence) and may be equal to, or smaller than, the coincident peak load for each of the provinces. Insofar as the utilities have about 80 per cent of the load of the nation and most of the peak loads occur in December, the variation from the coincident peak will not be too great. Two major systems which account for almost 40 per cent of the capability have only a slight variation between their coincident and non-coincident peak loads. Of thirty-six major systems serving the larger population centres in Canada, nine had peak loads on December 18, five on December 19, 12 on other dates between November 30 and December 30, eight outside this period, and two did not report.

Receipts and deliveries of firm power used in calculating net capability are the interprovincial and international transfers of power under firm contracts, or the best estimate of firm obligations possible in the absence of contracts. The actual receipts and deliveries of firm and secondary power are taken into account in the calculation of firm power peak loads.

Peak loads are the total demands within a province after all inter-changes have been taken into account to remove any duplication. The peak loads include all electricity consumed by ultimate customers, line losses, and manufacturing plants own consumption, but do not include generating station service which is deducted before arriving at generating capability. Firm power peak loads exclude the secondary or surplus energy used by ultimate customers on an interruptible basis, as these are not firm obligations.

Indicated shortages are a measure of the firm power commitments that a system was not able to meet at the time of its peak load.

The indicated power reserve of a province (shown in table 1) is the reserve after all firm obligations and shortages have been met or received. It is the difference between net capability and total firm peak load within the province or gross capability less firm power peak load on the province, and is a measure of the industries' ability to satisfy demands of a province and meet contingencies. Since not all systems are fully interconnected, the reserves of power shown cannot always be fully utilized.

Table 1B. Energy Supply and Requirements:

Net generation figures which are identical with the figures presented in the monthly "Electric Power Statistics" report (or revisions thereof) are exclusive of station service and, for 1961, are subdivided by type of generation. No forecasts of generation are given for 1962-65.

Although complete historical figures are not currently available, it is expected that they will be included in future reports.

Firm energy receipts and deliveries are the actual receipts and deliveries under firm contracts or obligations.

Secondary energy delivered within the province is the surplus energy sold at time of low demand and when surplus generating capability is available. This energy may be interrupted at any time and, consequently, sells at very low rates, generally for use in electric boilers.

Firm energy available is the measure of primary demands of electric energy, including residential, commercial and power sales, and all line losses after deducting net exports. It is an important economic indicator and, as such, is of major importance in forecasting.

Indicated shortage is an estimate of the total quantity of energy a system was unable to deliver due to its inability to meet firm power commitments during the year; no shortages have occurred since 1957.

Firm energy requirements are a measure of the needs for electric energy that have been or can be met (firm energy available) and those that cannot be serviced (shortage).

Review of Survey Results

Total net generating capability in 1961 for companies which generate over 10 million kwh. per year increased only 248,000 kw. or 1.1 per cent to 22,628,000 kw.; this is the smallest increase in recent years. The forecast years 1961-1965 indicate a growth of 5,685,000 kw. or a compound growth

rate of 5.76 per cent, as compared with the previous ten-year period 1951-1960, when the growth rate was 9.2 per cent. Thermal capability is expected to grow at the rate of 14.5 per cent per year in the forecast period compared to 17.1 per cent in the previous ten-year period, while hydro-electric capacity is expected to increase at 3.3 per cent per year compared to 8.0 per cent in the previous ten years. Most of the thermal increase will be in steam plants, a small growth in gas turbines, while internal combustion plants will be virtually unchanged.

The first nuclear capability is forecast for 1965, although this may be postponed due to delays in construction or bringing the plant on line because of its pioneering nature. The nuclear capability does not include the 20,000 kw. plant at Rolphton, Ontario which is an experimental plant and not considered part of capability.

The 1961 forecast of generating capability was 367,000 kw. higher than that actually obtained, indicating a delay in completing some plants till the period 1962-1964 and 65,000 kw. thermal capacity out of service at the time of the 1961 survey.

The forecast for 1961 generating capability was approximately realized in all provinces except Ontario, Manitoba and Alberta which were significantly under the forecast and in British Columbia which exceeded the forecast.

The largest absolute growth in generating capability for the forecast years is indicated for Ontario - 2,135,000 kw., Quebec - 1,616,000 kw., British Columbia - 582,000 kw. and Alberta - 451,000 kw. Whereas Quebec will meet most of the increased generating capability by adding over 1,300,000 kw. in hydro capability and 200,000 thermal capability, Ontario plans to increase its capability by adding 1,750,000 thermal, including 200,000 nuclear and only 385,000 hydro; British Columbia plans to add 466,000 thermal and only 110,000 hydro.

The firm power peak loads have not shown the same change in rate of growth as generating capability. In the 1950's the growth rate of firm power peak load in Canada was 7.5 per cent, while the forecast rate of growth is 6.2 per cent.

As a result, the indicated reserve is expected to amount to 4,551,000 kw. in 1962, will decline in 1963 and 1964, and rise to 4,780,000 kw. in 1965, while the indicated reserve is forecast to decline to 15.2 per cent in 1964 and rise in 1965 to 20.3 per cent.

Firm energy requirements increased 2.7 per cent for 1961 to 105,076,000,000 kwh. compared to a growth of 7.3 per cent in the previous 10 year period and a forecast growth rate of 6.6 per cent for the period 1961-1965. All provinces but British Columbia shared in the current increase. The forecast for firm energy requirements made last year was some 2,500 million kwh. higher than what was actually attained. At the same time firm energy requirements were increasing, there was a reduction in the level of net exports (exports-imports) to the United States and lower deliveries of secondary energy. This combined with a long shutdown of the Kitimat Plant of Aluminum Company of Canada Limited in British Columbia, and changed hydraulic conditions in certain parts of the country caused a slight reduction in net generation to 113,271,000,000 kilowatt hours - the first decline since 1947.

CHART-A

TOTAL GENERATING CAPABILITY WITHIN CANADA

1950-1965

THOUSANDS OF KILOWATTS

THOUSANDS OF KILOWATTS

30,000

30,000

28,000

28,000

26,000

26,000

24,000

24,000

22,000

22,000

20,000

20,000

18,000

18,000

16,000

16,000

14,000

14,000

12,000

12,000

10,000

10,000

8,000

8,000

6,000

6,000

4,000

4,000

2,000

2,000

0

1950

1951

1953

1955

1957

1959

1961

1963

1964

1965

TOTAL

THERMAL

HYDRO

FORECAST

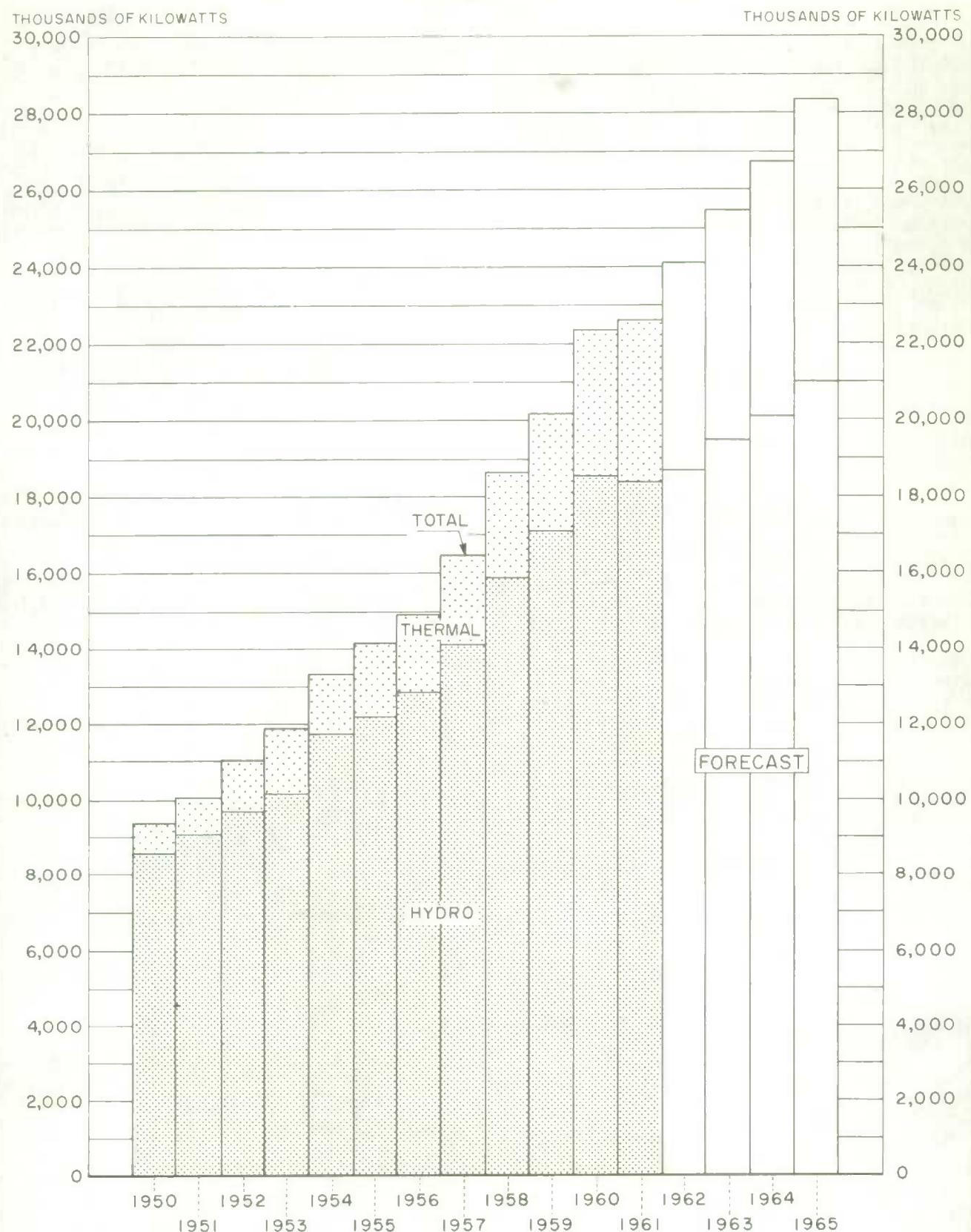


CHART-B

NET CAPABILITY AND PEAK LOADS WITHIN CANADA

1950-1965

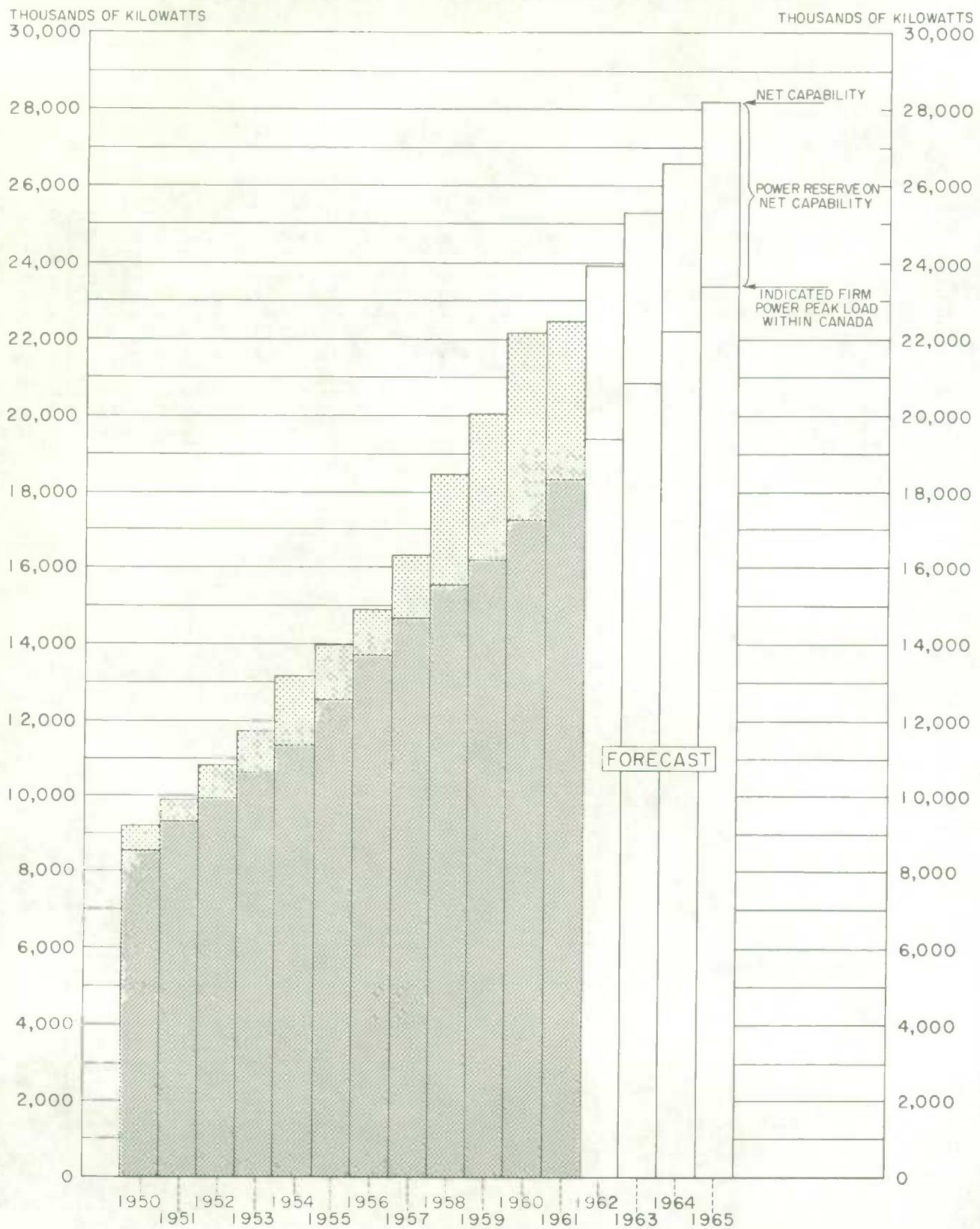


CHART-C

NET GENERATING CAPABILITY WITHIN PROVINCES
1950-1965

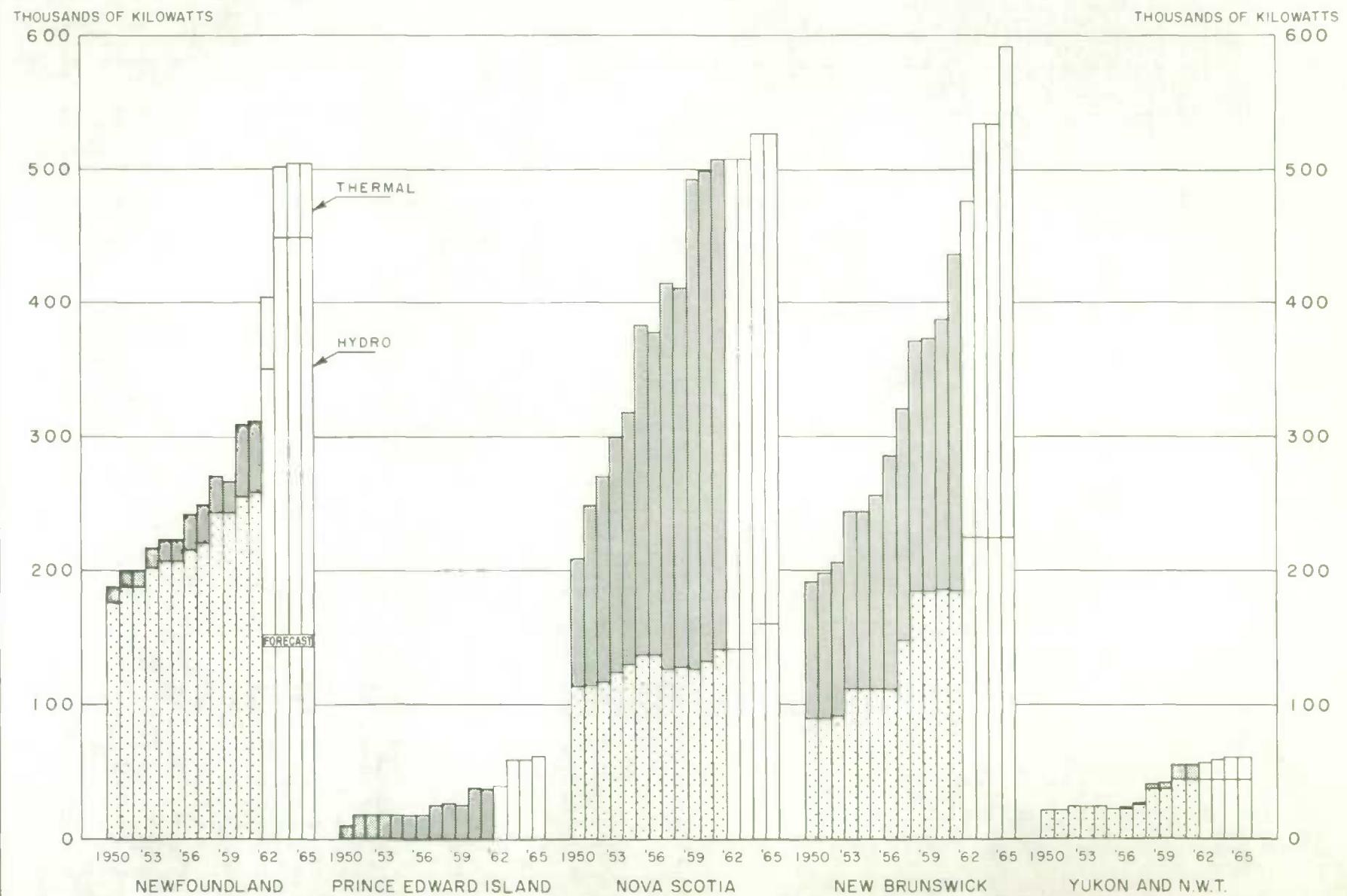


CHART-C

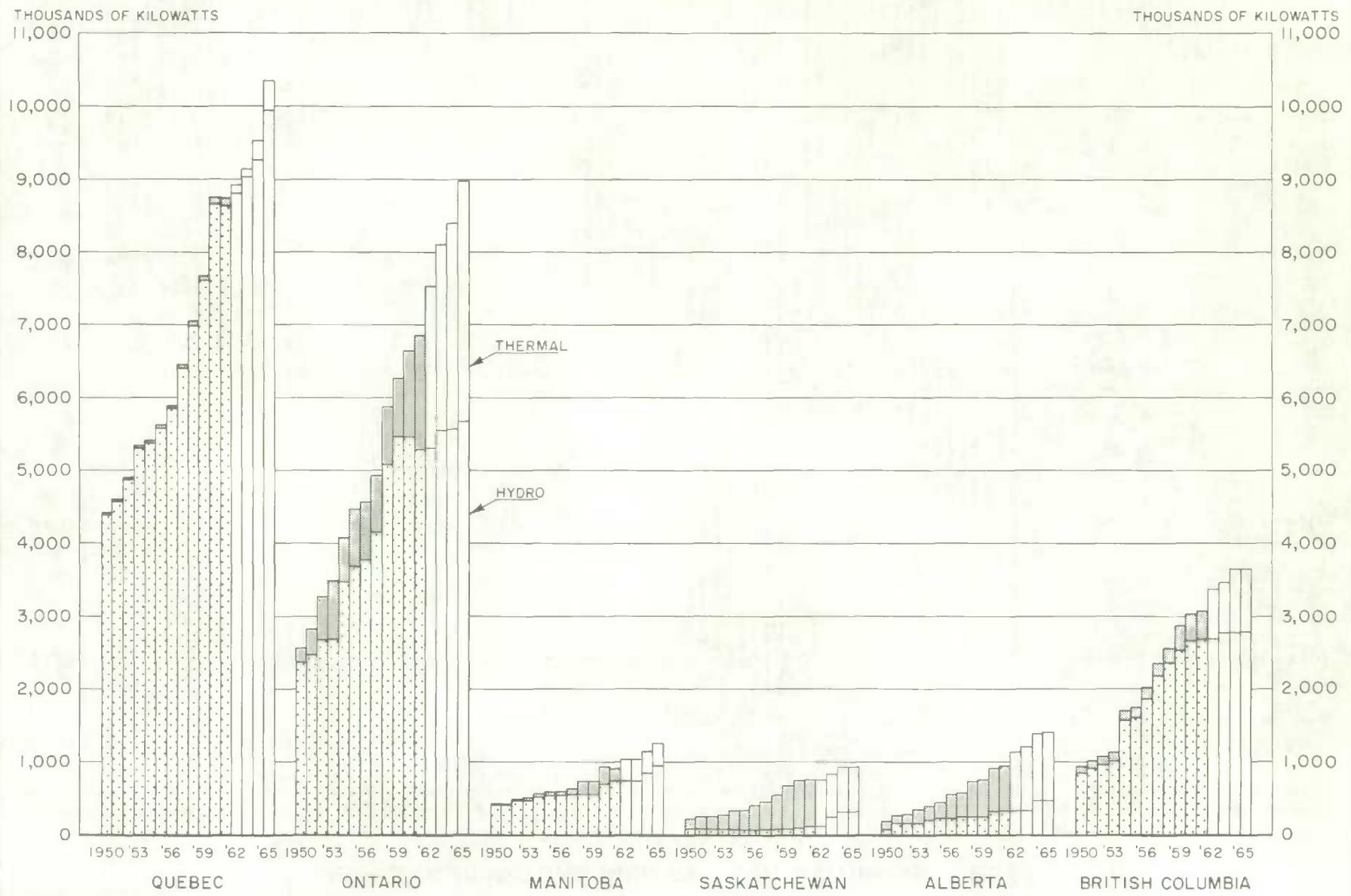
NET GENERATING CAPABILITY WITHIN PROVINCES
1950-1965

CHART - D

NET CAPABILITY AND FIRM DEMAND WITHIN PROVINCES 1950-1965

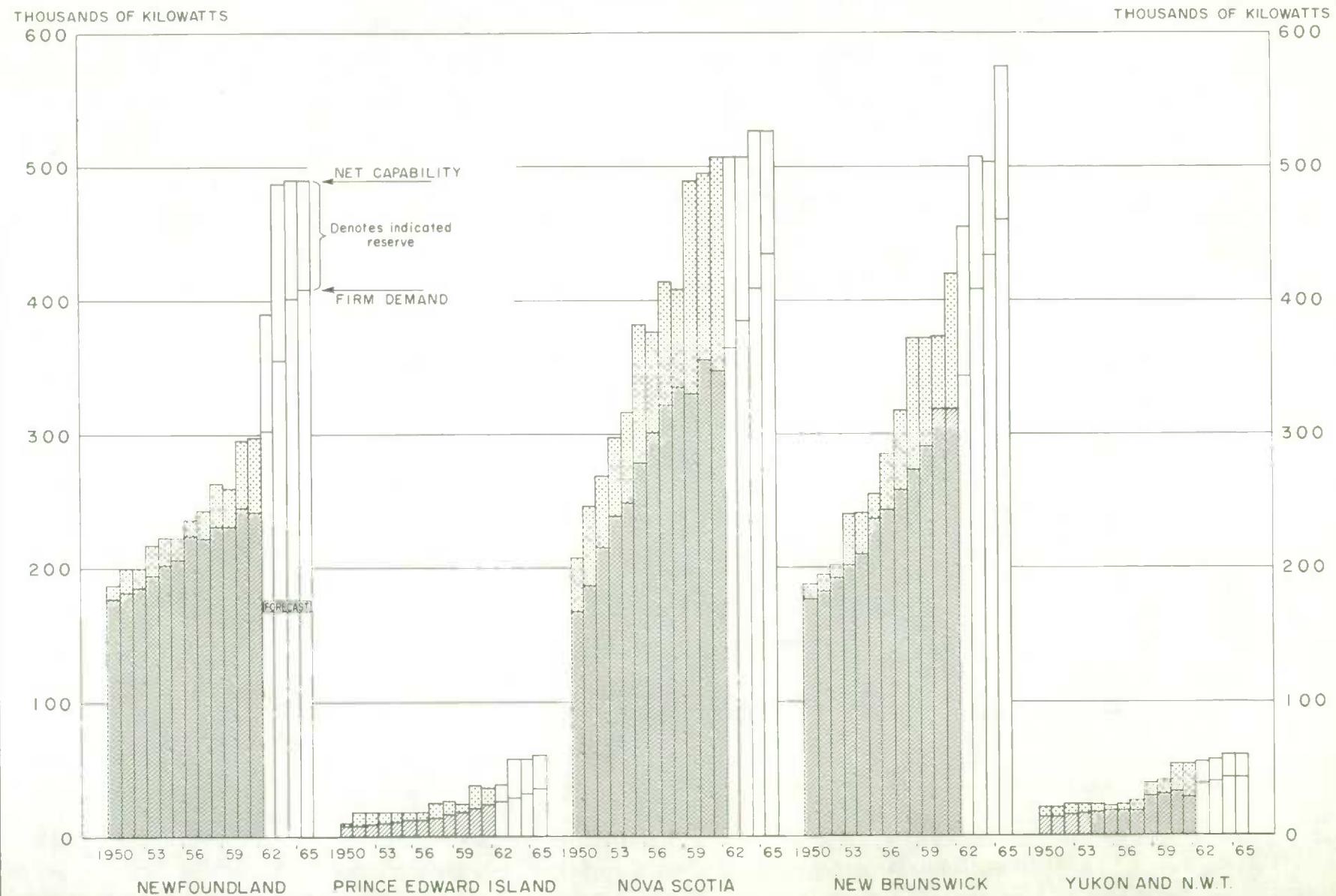


CHART-D

NET CAPABILITY AND FIRM DEMAND WITHIN PROVINCES

1950 - 1965

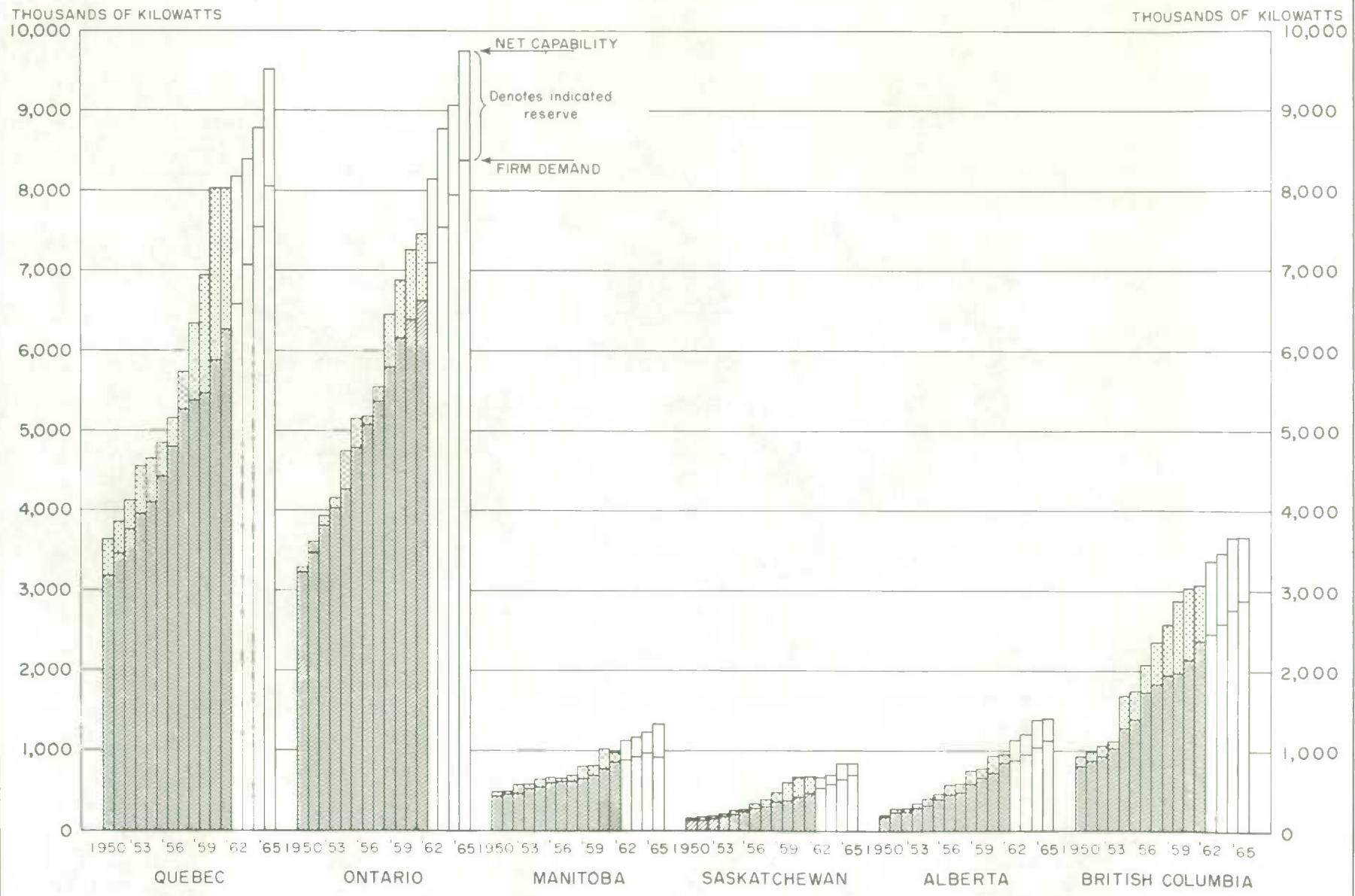
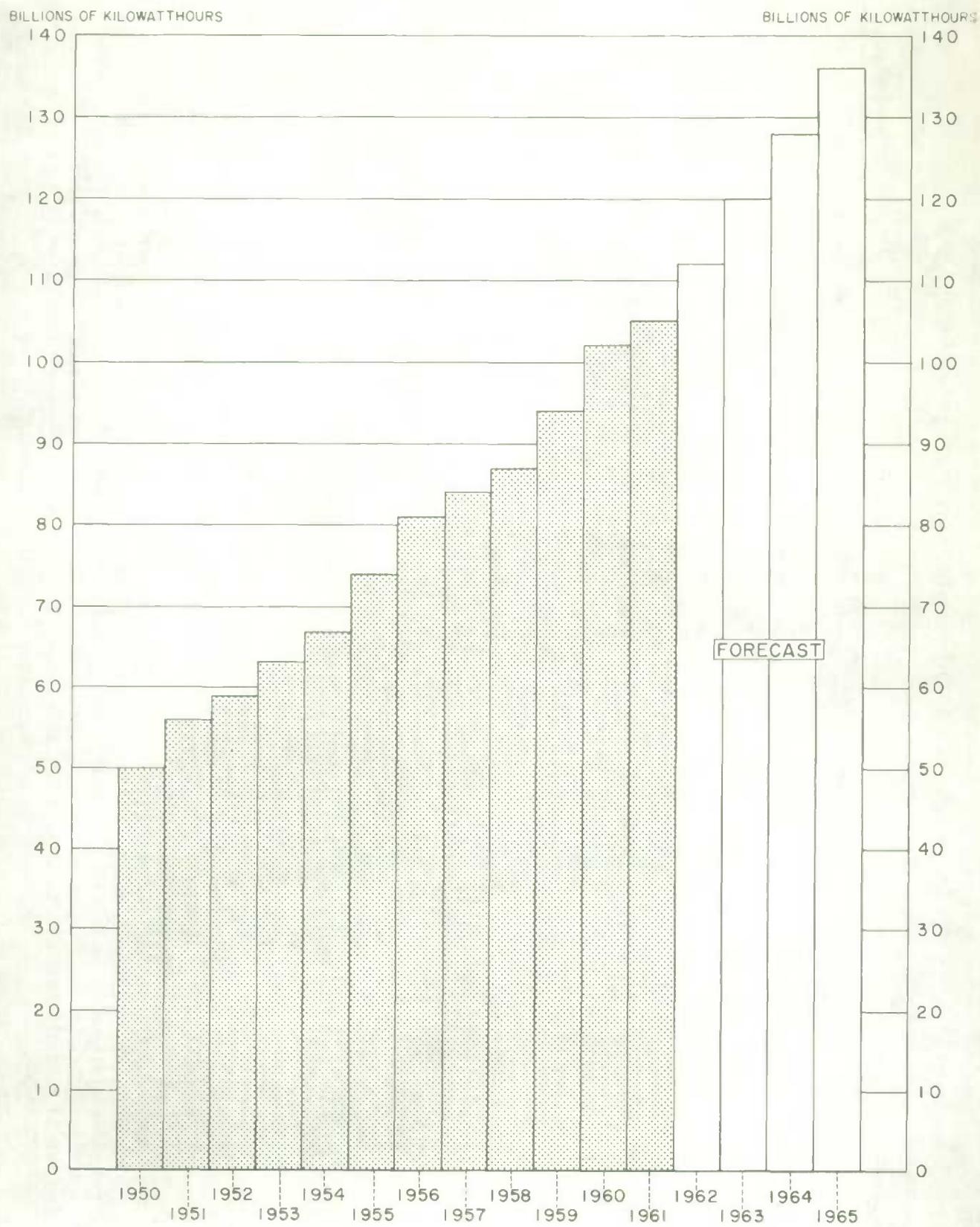


CHART-E

FIRM ENERGY REQUIREMENT WITHIN CANADA
1950-1965

Canada Total

TABLE 1A. Capability and Firm Power Peak Load Requirements

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1.	Hydro-electric	9,044	12,841	14,143	15,912	17,086	18,516	18,389	18,728	19,526	20,121
2.	Steam - Conventional .....	)						3,648	4,868	5,292	5,960
3.	Nuclear .....	)	1,032	2,142	2,326	2,716	3,119	3,824	-	-	-
4.	Internal combustion .....	)						240	240	243	249
5.	Gas turbine .....	)						351	382	384	386
6.	Total net generating capability	10,076	14,983	16,469	18,628	20,205	22,340	22,628	24,218	25,445	26,716
Receipts of firm power from:											
7.	Other provinces	---	---	---	---	---	---	---	---	---	---
8.	United States	-	56	-	-	-	-	2	2	3	3
9.	Total receipts	-	56	-	-	-	-	2	2	3	3
Deliveries of firm power to:											
10.	Other provinces	---	---	---	---	---	---	---	---	---	---
11.	United States	175	147	150	152	152	166	146	176	131	135
12.	Total deliveries	175	147	150	152	152	166	146	176	131	135
13.	Total net capability (6 + 9 - 12)	9,901	14,892	16,319	18,476	20,053	22,174	22,484	24,044	25,317	26,584
<u>Peak loads:</u>											
14.	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
15.	Indicated shortages	321	47	2	-	-	-	-	-	-	-
16.	Total indicated firm power peak load within Canada (14 + 15)	9,310	13,715	14,666	15,568	16,201	17,264	18,353	19,493	20,871	22,188
17.	Firm power peak load on Canada (12 + 16) ..	9,485	13,862	14,816	15,720	16,353	17,430	18,499	19,669	21,002	22,323
<u>Indicated reserve:</u>											
18.	Indicated reserve (13 - 16)	591	1,177	1,653	2,908	3,852	4,910	4,131	4,551	4,446	4,396
											4,780

Newfoundland

TABLE 1A. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1. Hydro-electric	188	215	220	243	243	255	258	350	448	448	448
2. Steam - Conventional .....	)						40	40	40	40	40
3. Nuclear)						-	-	-	-	-
4. Internal combustion .....	)	12	27	29	28	24	54	13	14	14	16
5. Gas turbine)							-	-	-	-
6. Total net generating capability	200	242	249	271	267	309	311	404	502	504	504
Receipts of firm power from:											
7. Other provinces	-	-	-	-	-	-	-	-	-	-	-
8. United States	-	-	-	-	-	-	-	-	-	-	-
9. Total receipts	-	-	-	-	-	-	-	-	-	-	-
Deliveries of firm power to:											
10. Other provinces	-	6	6	8	7	14	13	14	14	14	14
11. United States	-	-	-	-	-	-	-	-	-	-	-
12. Total deliveries	-	6	6	8	7	14	13	14	14	14	14
13. Total net capability (6 + 9 - 12)	200	236	243	263	260	295	298	390	488	490	490
<u>Peak loads:</u>											
14. Firm power peak load within province	182	222	222	231	231	245	242	302	355	401	409
15. Indicated shortages	-	2	-	-	-	-	-	-	-	-	-
16. Total indicated firm power peak load within province (14 + 15)	182	224	222	231	231	245	242	302	355	401	409
17. Firm power peak load on province (12 + 16). .	182	230	228	239	238	259	255	316	369	415	423
<u>Indicated reserve:</u>											
18. Indicated reserve (13 - 16)	18	12	21	32	29	50	56	88	133	89	81

Prince Edward Island

TABLE 1A. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1.	Hydro-electric	-	-	-	-	-	-	-	-	-	-
2.	Steam - Conventional	-	-	-	-	-	-	32	32	52	52
3.	Nuclear	-	-	-	-	-	-	-	-	-	-
4.	Internal combustion	18	18	25	26	25	38	5	7	7	7
5.	Gas turbine	-	-	-	-	-	-	-	-	-	-
6.	Total net generating capability	18	18	25	26	25	38	37	39	59	59
											61
Receipts of firm power from:											
7.	Other provinces	-	-	-	-	-	-	-	-	-	-
8.	United States	-	-	-	-	-	-	-	-	-	-
9.	Total receipts	-	-	-	-	-	-	-	-	-	-
Deliveries of firm power to:											
10.	Other provinces	-	-	-	-	-	-	-	-	-	-
11.	United States	-	-	-	-	-	-	-	-	-	-
12.	Total deliveries	-	-	-	-	-	-	-	-	-	-
13.	Total net capability (6 + 9 - 12)	18	18	25	26	25	38	37	39	59	59
											61
<u>Peak loads:</u>											
14.	Firm power peak load within province	8	12	14	16	19	21	24	26	29	32
15.	Indicated shortages	-	-	-	-	-	-	-	-	-	-
16.	Total indicated firm power peak load within province (14 + 15)	8	12	14	16	19	21	24	26	29	32
17.	Firm power peak load on province (12 + 16)	8	12	14	16	19	21	24	26	29	32
											36
<u>Indicated reserve:</u>											
18.	Indicated reserve (13 - 16)	10	6	11	10	6	17	13	13	30	27
											25

Nova Scotia

TABLE 1A. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1.	Hydro-electric	114	136	126	127	126	132	141	141	141	160
2.	Steam - Conventional	-	-	-	-	-	365	365	365	365	365
3.	Nuclear	-	-	-	-	-	-	-	-	-	-
4.	Internal combustion	134	242	289	284	367	367	2	2	2	2
5.	Gas turbine	-	-	-	-	-	-	-	-	-	-
6.	Total net generating capability	248	378	415	411	493	499	508	508	527	527
 Receipts of firm power from:											
7.	Other provinces	-	-	-	-	-	-	-	-	-	-
8.	United States	-	-	-	-	-	-	-	-	-	-
9.	Total receipts	-	-	-	-	-	-	-	-	-	-
 Deliveries of firm power to:											
10.	Other provinces	2	2	2	3	3	3	1	1	-	-
11.	United States	-	-	-	-	-	-	-	-	-	-
12.	Total deliveries	2	2	2	3	3	3	1	1	-	-
13.	Total net capability (6 + 9 - 12)	246	376	413	408	490	496	507	507	527	527
 <u>Peak loads:</u>											
14.	Firm power peak load within province	185	301	322	335	330	356	347	365	386	409
15.	Indicated shortages	2	-	-	-	-	-	-	-	-	-
16.	Total indicated firm power peak load within province (14 + 15)	187	301	322	335	330	356	347	365	386	409
17.	Firm power peak load on province (12 + 16)	189	303	324	338	333	359	348	366	386	409
 <u>Indicated reserve:</u>											
18.	Indicated reserve (13 - 16)	59	75	91	73	160	140	160	142	122	118
											92

New Brunswick

TABLE 1A. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1.	Hydro-electric	90	112	148	185	185	186	185	225	225	225
2.	Steam - Conventional .....	)						243	243	301	301
3.	Nuclear)					-	-	-	-	-
4.	Internal combustion .....	)	108	174	173	187	188	202	8	8	8
5.	Gas turbine)						-	-	-	-
6.	Total net generating capability	198	286	321	372	373	388	436	476	534	534
7.	Other provinces	2	5	5	8	7	7	6	6	7	7
8.	United States	-	-	-	-	-	-	-	1	1	1
9.	Total receipts	2	5	5	8	7	7	6	6	8	8
Deliveries of firm power to:											
10.	Other provinces	-	-	-	-	-	-	-	-	-	-
11.	United States	4	5	8	9	9	23	22	28	35	39
12.	Total deliveries	4	5	8	9	9	23	22	28	35	39
13.	Total net capability (6 + 9 - 12)	196	286	318	371	371	372	420	454	507	503
<u>Peak loads:</u>											
14.	Firm power peak load within province	184	243	258	273	291	319	319	343	408	434
15.	Indicated shortages	-	-	-	-	-	-	-	-	-	-
16.	Total indicated firm power peak load within province (14 + 15)	184	243	258	273	291	319	319	343	408	434
17.	Firm power peak load on province (12 + 16)	188	248	266	282	300	342	341	371	443	473
18.	Indicated reserve (13 - 16)	12	43	60	98	80	53	101	111	99	69
											115

Quebec

TABLE 1A. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1.	Hydro-electric	4,609	5,854	6,406	6,992	7,612	8,658	8,628	8,803	9,028	9,263
2.	Steam - Conventional							59	59	59	214
3.	Nuclear							-	-	-	-
	)	26	36	55	61	69	106				
4.	Internal combustion							15	15	15	15
5.	Gas turbine							36	36	36	36
6.	Total net generating capability	4,635	5,890	6,461	7,053	7,681	8,764	8,738	8,913	9,138	9,528
											10,354
Receipts of firm power from:											
7.	Other provinces	1	7	7	9	9	16	19	19	17	16
8.	United States	-	4	-	-	-	-	2	2	2	2
9.	Total receipts	1	11	7	9	9	16	21	21	19	18
Deliveries of firm power to:											
10.	Other provinces	735	691	694	673	696	698	696	699	702	703
11.	United States	56	56	56	57	57	57	38	59	60	60
12.	Total deliveries	791	747	750	730	753	755	734	758	762	763
13.	Total net capability (6 + 9 - 12)	3,845	5,154	5,718	6,332	6,937	8,025	8,025	8,176	8,395	8,783
											9,517
<u>Peak loads:</u>											
14.	Firm power peak load within province	3,462	4,749	5,256	5,375	5,466	5,871	6,258	6,578	7,063	7,530
15.	Indicated shortages	-	44	2	-	-	-	-	-	-	-
16.	Total indicated firm power peak load within province (14 + 15)	3,462	4,793	5,258	5,375	5,466	5,871	6,258	6,578	7,063	7,530
17.	Firm power peak load on province (12 + 16)	4,253	5,540	6,008	6,105	6,219	6,626	6,992	7,336	7,825	8,293
											8,905
<u>Indicated reserve:</u>											
18.	Indicated reserve (13 - 16)	383	361	460	957	1,471	2,154	1,767	1,598	1,332	1,253
											1,467

Ontario

TABLE 1A. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast				
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	
thousands of kilowatts												
<u>Capability:</u>												
Net generating capability:												
1.	Hydro-electric	2,476	3,778	4,145	5,081	5,467	5,464	5,292	5,306	5,557	5,572	5,682
2.	Steam - Conventional .....	)	-	-	-	-	-	1,555	2,212	2,538	2,820	3,102
3.	Nuclear .....	)	348	787	787	800	808	1,186	-	-	-	200
4.	Internal combustion .....	)	-	-	-	-	-	11	11	7	7	9
5.	Gas turbine)	-	-	-	-	-	-	-	-	-	-
6.	Total net generating capability	2,824	4,565	4,932	5,881	6,275	6,650	6,858	7,529	8,102	8,399	8,993
Receipts of firm power from:												
7.	Other provinces	744	702	705	668	692	694	695	696	698	700	792
8.	United States	-	-	-	-	-	-	-	-	-	-	-
9.	Total receipts	744	702	705	668	692	694	695	696	698	700	792
Deliveries of firm power to:												
10.	Other provinces	1	1	1	1	2	2	5	5	6	6	6
11.	United States	85	86	86	86	86	86	86	89	36	36	36
12.	Total deliveries	86	87	87	87	88	88	91	94	42	42	42
13.	Total net capability (6 + 9 - 12)	3,482	5,180	5,550	6,462	6,879	7,256	7,462	8,131	8,758	9,057	9,743
Peak loads:												
14.	Firm power peak load within province	3,292	5,064	5,369	5,794	6,154	6,391	6,615	7,091	7,535	7,951	8,380
15.	Indicated shortages	319	-	-	-	-	-	-	-	-	-	-
16.	Total indicated firm power peak load within province (14 + 15)	3,611	5,064	5,369	5,794	6,154	6,391	6,615	7,091	7,535	7,951	8,380
17.	Firm power peak load on province (12 + 16)	3,697	5,151	5,456	5,881	6,242	6,479	6,706	7,185	7,577	7,993	8,422
Indicated reserve:												
18.	Indicated reserve (13 - 16)	- 129	116	181	668	725	865	847	1,040	1,223	1,106	1,363

Manitoba

TABLE 1A. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1.	Hydro-electric	413	556	561	566	566	701	735	735	840	945
2.	Steam - Conventional .....	)					166	294	294	294	294
3.	Nuclear)					-	-	-	-	-
4.	Internal combustion .....	)	10	46	78	168	168	231	4	4	4
5.	Gas turbine)					-	-	-	-	-
6.	Total net generating capability	423	602	639	734	734	932	905	1,033	1,033	1,138
											1,243
Receipts of firm power from:											
7.	Other provinces	77	64	69	68	72	86	83	88	138	88
8.	United States	-	-	-	-	-	-	-	-	-	-
9.	Total receipts	77	64	69	68	72	86	83	88	138	88
Deliveries of firm power to:											
10.	Other provinces	9	14	14	-	-	-	-	-	-	-
11.	United States	-	-	-	-	-	-	-	-	-	-
12.	Total deliveries	9	14	14	-	-	-	-	-	-	-
13.	Total net capability	491	652	694	802	806	1,018	988	1,121	1,171	1,226
											1,331
<u>Peak loads:</u>											
14.	Firm power peak load within province	454	605	608	646	690	772	849	889	929	969
15.	Indicated shortages	-	-	-	-	-	-	-	-	-	-
16.	Total indicated firm power peak load within province (14 + 15)	454	605	608	646	690	772	849	889	929	969
17.	Firm power peak load on province (12 + 16)	463	619	622	646	690	772	849	889	929	969
											915
<u>Indicated reserve:</u>											
18.	Indicated reserve (13 - 16)	37	47	86	156	116	246	139	232	242	257
											416

Saskatchewan

TABLE IA. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast														
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965											
	thousands of kilowatts																					
Capability:																						
Net generating capability:																						
1.	Hydro-electric	85	82	87	87	88	99	107	110	244	311											
2.	Steam - Conventional	-	-	-	-	-	572	572	517	539	539											
3.	Nuclear	-	-	-	-	-	-	-	-	-	-											
4.	Internal combustion	160	320	376	451	583	653	35	29	29	29											
5.	Gas turbine	-	-	-	-	-	43	43	43	43	43											
6.	Total net generating capability	245	402	463	538	671	752	757	754	833	922											
Receipts of firm power from:																						
7.	Other provinces	-	-	-	1	1	1	-	-	-	-											
8.	United States	-	-	-	-	-	-	-	-	-	-											
9.	Total receipts	-	-	-	1	1	1	-	-	-	-											
Deliveries of firm power to:																						
10.	Other provinces	77	64	69	68	72	86	88	88	138	88											
11.	United States	-	-	-	-	-	-	-	-	-	-											
12.	Total deliveries	77	64	69	68	72	86	88	88	138	88											
13.	Total net capability (6 + 9 - 12)	168	338	394	471	600	667	669	666	695	834											
Peak loads:																						
14.	Firm power peak load within province	127	278	299	353	377	418	466	528	578	634											
15.	Indicated shortages	-	-	-	-	-	-	-	-	-	-											
16.	Total indicated firm power peak load within province (14 + 15)	127	278	299	353	377	418	466	528	578	634											
17.	Firm power peak load on province (12 + 16)	204	342	368	421	449	504	554	616	716	722											
Indicated reserve:																						
18.	Indicated reserve (13 - 16)	41	60	95	118	223	249	203	138	117	200											
											143											

Alberta

TABLE 1A. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1. Hydro-electric	162	220	238	238	238	318	327	327	327	477	477
2. Steam - Conventional	-	-	-	-	-	498	648	719	751	-	751
3. Nuclear	-	-	-	-	-	-	-	-	-	-	-
4. Internal combustion	-	109	338	350	496	530	607	28	32	33	35
5. Gas turbine	-	-	-	-	-	-	100	130	130	130	140
6. Total net generating capability	271	558	588	734	768	925	953	1,137	1,209	1,393	1,404
Receipts of firm power from:											
7. Other provinces	-	4	4	4	3	3	-	-	-	-	-
8. United States	-	-	-	-	-	-	-	-	-	-	-
9. Total receipts	-	4	4	4	3	3	-	-	-	-	-
Deliveries of firm power to:											
10. Other provinces	5	-	-	1	1	1	5	5	6	7	7
11. United States	-	-	-	-	-	-	-	-	-	-	-
12. Total deliveries	5	-	-	1	1	1	5	5	6	7	7
13. Total net capability (6 + 9 - 12)	266	562	592	737	770	927	948	1,132	1,203	1,386	1,397
<u>Peak loads:</u>											
14. Firm power peak load within province	220	451	476	580	649	714	836	876	951	1,033	1,127
15. Indicated shortages	-	-	-	-	-	-	-	-	-	-	-
16. Total indicated firm power peak load within province (14 + 15)	220	451	476	580	649	714	836	876	951	1,033	1,127
17. Firm power peak load on province (12 + 16)	225	451	476	581	650	715	841	881	957	1,040	1,134
<u>Indicated reserve:</u>											
18. Indicated reserve (13 - 16)	46	111	116	157	121	213	112	256	252	353	270

British Columbia

TABLE 1A. Capability and Firm Power Peak Load Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1.	Hydro-electric	908	1,866	2,187	2,356	2,524	2,659	2,672	2,687	2,777	2,781
2.	Steam - Conventional	-	-	-	-	-	-	117	402	406	583
3.	Nuclear	-	-	-	-	-	-	-	-	-	-
4.	Internal combustion	107	153	163	212	353	369	-	109	107	112
5.	Gas turbine	-	-	-	-	-	-	172	173	173	173
6.	Total net generating capability	1,015	2,019	2,350	2,568	2,877	3,028	3,070	3,369	3,468	3,651
Receipts of firm power from:											
7.	Other provinces	5	-	-	-	-	-	5	5	6	7
8.	United States	-	52	-	-	-	-	-	-	-	-
9.	Total receipts	5	52	-	-	-	-	5	5	6	7
Deliveries of firm power to:											
10.	Other provinces	-	4	4	4	3	3	-	-	-	-
11.	United States	30	-	-	-	-	-	-	-	-	-
12.	Total deliveries	30	4	4	4	3	3	-	-	-	-
13.	Total net capability (6 + 9 - 12)	990	2,067	2,346	2,564	2,874	3,025	3,075	3,374	3,474	3,658
<u>Peak loads:</u>											
14.	Firm power peak load within province	861	1,724	1,821	1,935	1,963	2,123	2,368	2,455	2,595	2,751
15.	Indicated shortages	-	1	-	-	-	-	-	-	-	-
16.	Total indicated firm power peak load within province (14 + 15)	861	1,725	1,821	1,935	1,963	2,123	2,368	2,455	2,595	2,751
17.	Firm power peak load on province (12 + 16)	891	1,729	1,825	1,939	1,966	2,126	2,368	2,455	2,595	2,751
18.	Indicated reserve (13 - 16)	129	342	525	629	911	902	707	919	879	907
											791

Yukon and Northwest Territories

TABLE 1A. Capability and Firm Power Peak Load Requirements - Concluded

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
thousands of kilowatts											
<u>Capability:</u>											
Net generating capability:											
1.	Hydro-electric	21	22	25	37	37	44	44	44	44	44
2.	Steam - Conventional	-	-	-	-	-	1	1	1	1	1
3.	Nuclear	-	-	-	-	-	-	-	-	-	-
4.	Internal combustion	-	1	1	3	4	11	10	11	12	12
5.	Gas turbine	-	-	-	-	-	-	-	2	4	4
6.	Total net generating capability	21	23	26	40	41	55	55	56	59	61
Receipts of firm power from:											
7.	Other provinces	-	-	-	-	-	-	-	-	-	-
8.	United States	-	-	-	-	-	-	-	-	-	-
9.	Total receipts	-	-	-	-	-	-	-	-	-	-
Deliveries of firm power to:											
10.	Other provinces	-	-	-	-	-	-	-	-	-	-
11.	United States	-	-	-	-	-	-	-	-	-	-
12.	Total deliveries	-	-	-	-	-	-	-	-	-	-
13.	Total net capability	21	23	26	40	41	55	55	56	59	61
<u>Peak loads:</u>											
14.	Firm power peak load within province	14	19	19	30	31	34	29	40	42	44
15.	Indicated shortages	-	-	-	-	-	-	-	-	-	-
16.	Total indicated firm power peak load within province (14 + 15)	14	19	19	30	31	34	29	40	42	44
17.	Firm power peak load on province (12 + 16)	14	19	19	30	31	34	29	40	42	44
<u>Indicated reserve:</u>											
18.	Indicated reserve (13 - 16)	7	4	7	10	10	21	26	16	17	17

Canada

TABLE 1B. Energy Supply and Requirements

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
Net generation by:	millions of kilowatt-hours										
1. Hydro-electric .....	..	..	82,973	90,250	96,517	105,770	103,692	..	..	..	..
2. Steam - Conventional .....	)							8,822	..	..	..
3. Nuclear .....	)							-	..	..	..
4. Internal combustion .....	)	..	..	7,288	6,507	7,339	8,271	509	..	..	..
5. Gas turbine .....	)							248	..	..	..
6. Total net generation .....	..	87,427	90,261	96,757	103,856	114,041	113,271	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	..	..	..	..	..
8. United States .....	..	..	..	..	..	..	..	8	8	9	9
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	..	..	..	..	..
10. United States .....	..	..	..	..	..	..	..	1,392	..	..	..
11. Total receipts of energy .....	..	227	831	244	515	367	1,400	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces .....	..	..	..	..	..	..	..	..	..	..	..
13. United States	1,418	1,226	1,172	1,264	1,253	1,283	1,122	1,290	1,066	1,027	974
(b) Secondary:											
14. Other provinces .....	..	..	..	..	..	..	..	..	..	..	..
15. United States .....	..	3,885	3,613	2,883	3,331	4,228	3,058	..	..	..	..
16. Total deliveries of energy .....	..	5,111	4,785	4,147	4,584	5,511	4,180	..	..	..	..
17. Total energy available (6 + 11 - 16)	..	82,543	86,307	92,854	99,787	108,897	110,491	..	..	..	..
18. Secondary energy delivered within Canada .....	..	3,000	2,540	5,615	5,684	6,615	5,415	..	..	..	..
19. Firm energy available within Canada (17 - 18) ..	55,516	79,543	83,767	87,239	94,103	102,282	105,076	112,168	120,470	128,031	135,851
20. Indicated shortage	312	1,546	554	-	-	-	-	-	-	-	-
21. Firm energy requirement within Canada (19 + 20)	55,828	81,089	84,321	87,239	94,103	102,282	105,076	112,168	120,470	128,031	135,851
22. Firm energy requirement on Canada (12 + 13 + 21)	57,246	82,315	85,493	88,503	95,356	103,565	106,198	113,458	121,536	129,058	136,825

Newfoundland

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Net generation by:											
1. Hydro-electric .....	..	..	1,305	1,330	1,320	1,403	1,322	..	..	..	..
2. Steam - Conventional							116	..	..	..	..
3. Nuclear .....							-	..	..	..	..
4. Internal combustion .....	..	..	50	40	54	76	10	..	..	..	..
5. Gas turbine .....							-	..	..	..	..
6. Total net generation .....	..	1,355	1,355	1,370	1,374	1,479	1,448	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	-	-	-	-	-
8. United States .....	..	..	..	..	..	..	-	-	-	-	-
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	-	..	..	..	..
10. United States .....	..	..	..	..	..	..	-	..	..	..	..
11. Total receipts of energy .....	..	-	-	9	-	-	-	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	-	31	46	44	33	49	80	83	83	83	83
13. United States	-	-	-	-	-	-	-	-	-	-	-
(b) Secondary:											
14. Other provinces .....	..	-	..	2	18	36	3	..	..	..	..
15. United States .....	..	-	..	..	..	..	-	..	..	..	..
16. Total deliveries of energy .....	..	31	46	46	51	85	83	..	..	..	..
17. Total energy available (6 + 11 - 16)	..	1,324	1,309	1,333	1,323	1,394	1,365	..	..	..	..
18. Secondary energy delivered within province .....	..	98	119	155	108	74	4	..	..	..	..
19. Firm energy available within province (17 - 18) ..	1,040	1,226	1,190	1,178	1,215	1,320	1,361	1,679	2,099	2,338	2,534
20. Indicated shortage	-	-	-	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	1,040	1,226	1,190	1,178	1,215	1,320	1,361	1,679	2,099	2,338	2,534
22. Firm energy requirement on province (12 + 13 + 21)	1,040	1,257	1,236	1,222	1,248	1,369	1,441	1,762	2,182	2,421	2,617

Prince Edward Island

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Net generation by:											
1. Hydro-electric .....	..	..	-	-	-	-	-	..	..	..	..
2. Steam - Conventional								81	..	..	..
3. Nuclear .....								-	..	..	..
4. Internal combustion .....		..	57	63	71	79	7	..	..	..	..
5. Gas turbine .....							-	..	..	..	..
6. Total net generation .....	..	53	57	63	71	79	88	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	-	-	-	-	-	-	-	-	-
8. United States .....	..	..	-	-	-	-	-	-	-	-	-
(b) Secondary:											
9. Other provinces .....	..	..	-	-	-	-	-	..	..	..	..
10. United States .....	..	..	-	-	-	-	-	..	..	..	..
11. Total receipts of energy .....	..	-	-	-	-	-	-	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	-	-	-	-	-	-	-	-	-	-	-
13. United States	-	-	-	-	-	-	-	-	-	-	-
(b) Secondary:											
14. Other provinces .....	-	-	-	-	-	-	-	..	..	..	..
15. United States .....	-	-	-	-	-	-	-	..	..	..	..
16. Total deliveries of energy .....	-	-	-	-	-	-	-	..	..	..	..
17. Total energy requirement (6 + 11 - 16)	..	53	57	63	71	79	88	..	..	..	..
18. Secondary energy delivered within province .....	-	-	-	-	-	-	-	..	..	..	..
19. Firm energy available within province (17 - 18) ..	34	53	57	63	71	79	88	102	110	123	134
20. Indicated shortage	-	-	-	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	34	53	57	63	71	79	88	102	110	123	134
22. Firm energy requirement on province (12 + 13 + 21)	34	53	57	63	71	79	88	102	110	123	134

Nova Scotia

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Net generation by:											
1. Hydro-electric .....	..	..	514	651	674	632	549	..	..	..	..
2. Steam - Conventional								1,301	..	..	..
3. Nuclear .....							-	..	..	..	..
4. Internal combustion .....	..	..	966	911	966	1,162	-	..	..	..	..
5. Gas turbine .....							-	..	..	..	..
6. Total net generation .....	..	1,465	1,480	1,562	1,640	1,794	1,850	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	16	-	-	-	-
8. United States .....	..	..	..	..	..	..	-	-	-	-	-
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	-	..	..	..	..
10. United States .....	..	..	..	..	..	..	-	..	..	..	..
11. Total receipts of energy .....	..	-	..	..	..	..	16	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	-	8	9	10	14	80	12	6	6	6	6
13. United States	-	-	-	-	-	-	-	-	-	-	-
(b) Secondary:											
14. Other provinces	-	-	-	-	-	-	79	..	..	..	..
15. United States .....	-	-	-	-	-	-	-	..	..	..	..
16. Total deliveries of energy	-	8	9	10	14	80	91	..	..	..	..
17. Total energy available (6 + 11 - 16)	..	1,457	1,471	1,552	1,626	1,714	1,775	..	..	..	..
18. Secondary energy delivered within province .....	..	-	-	-	-	-	-	..	..	..	..
19. Firm energy available within province (17 - 18) ..	1,027	1,457	1,471	1,552	1,626	1,714	1,775	1,832	1,942	2,059	2,183
20. Indicated shortage	-	-	-	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	1,027	1,457	1,471	1,552	1,626	1,714	1,775	1,832	1,942	2,059	2,183
22. Firm energy requirement on province (12 + 13 + 21)	1,033	1,465	1,480	1,562	1,640	1,794	1,787	1,838	1,948	2,065	2,189

New Brunswick

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Net generation by:											
1. Hydro-electric .....	..	..	606	1,066	975	887	994	..	..	..	..
2. Steam - Conventional							870	..	..	..	..
3. Nuclear .....							-	..	..	..	..
4. Internal combustion .....		..	755	478	692	842	18	..	..	..	..
5. Gas turbine .....							-	..	..	..	..
6. Total net generation .....	..	1,251	1,361	1,544	1,667	1,729	1,882	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	31	27	28	30	32
8. United States .....	..	..	..	..	..	..	-	-	-	-	-
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	79	..	..	..	..
10. United States .....	..	..	..	..	..	..	14	..	..	..	..
11. Total receipts of energy .....	..	21	28	26	32	111	124	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	41	-	29	63	51	58	125	152	185	214	160
13. United States .....	..	32	-	-	-	-	-	-	-	-	-
(b) Secondary:											
14. Other provinces .....	..	-	-	-	-	-	16	..	..	..	..
15. United States .....	..	-	12	88	109	107	78	..	..	..	..
16. Total deliveries of energy .....	..	32	41	151	160	165	219	..	..	..	..
17. Total energy available (6 + 11 - 16)	..	1,240	1,348	1,419	1,539	1,675	1,787	..	..	..	..
18. Secondary energy delivered within province .....	..	4	1	2	2	1	5	..	..	..	..
19. Firm energy available within province (17 - 18) ..	1,002	1,236	1,347	1,417	1,537	1,674	1,782	1,925	2,201	2,441	2,590
20. Indicated shortage	-	-	-	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	1,002	1,236	1,347	1,417	1,537	1,674	1,782	1,925	2,201	2,441	2,590
22. Firm energy requirement on province (12 + 13 + 21)	1,043	1,268	1,376	1,480	1,588	1,732	1,907	2,077	2,386	2,655	2,750

Quebec

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Net generation by:											
1. Hydro-electric .....	..	..	37,802	43,340	44,418	50,000	49,432	..	..	..	..
2. Steam - Conventional							276	..	..	..	..
3. Nuclear .....						-	..	..	..	..	..
4. Internal combustion .....	..	..	185	189	209	273	7	..	..	..	..
5. Gas turbine						11	..	..	..	..	..
6. Total net generation .....	..	37,660	37,987	43,529	44,627	50,273	49,726	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	87	90	90	90	90
8. United States .....	..	..	..	..	..	..	7	7	8	8	8
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	16	..	..	..	..
10. United States .....	..	..	..	..	..	..	-	..	..	..	..
11. Total receipts of energy .....	..	45	65	61	83	103	110	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	4,456	4,117	4,075	4,205	4,211	4,193	4,207	4,248	4,254	4,275	4,273
13. United States	490	491	485	490	492	496	353	494	505	505	506
(b) Secondary:											
14. Other provinces .....	..	394	876	1,785	1,415	1,723	1,649	..	..	..	..
15. United States .....	..	184	64	36	54	62	54	..	..	..	..
16. Total deliveries of energy .....	..	5,186	5,500	6,516	6,172	6,474	6,263	..	..	..	..
17. Total energy available (6 + 11 - 16)	..	32,519	32,552	37,074	38,538	43,902	43,573	..	..	..	..
18. Secondary energy delivered within province .....	..	2,277	1,716	4,732	4,503	5,350	4,551	..	..	..	..
19. Firm energy available within province (17 - 18) ..	23,189	30,242	30,836	32,342	34,035	38,552	39,022	39,884	43,230	45,925	49,176
20. Indicated shortage	215	1,546	540	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	23,404	31,788	31,376	32,342	34,035	38,552	39,022	39,884	43,230	45,925	49,176
22. Firm energy requirement on province (12 + 13 + 21)	28,350	36,396	35,936	37,037	38,738	43,241	43,582	44,626	47,989	50,705	53,955

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Net generation by:											
1. Hydro-electric .....	..	..	27,894	27,942	32,301	34,870	33,654	..	..	..	..
2. Steam - Conventional							1,187	..	..	..	..
3. Nuclear .....							-	..	..	..	..
4. Internal combustion .....	..	..	2,089	1,197	946	822	31	..	..	..	..
5. Gas turbine .....							-	..	..	..	..
6. Total net generation .....	..	28,783	29,983	29,139	33,247	35,692	34,872	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	4,188	4,227	4,232	4,251	4,247
8. United States .....	..	..	..	..	..	..	-	-	-	-	-
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	1,649	..	..	..	..
10. United States .....	..	..	..	..	..	..	1,362	..	..	..	..
11. Total receipts of energy .....	..	4,805	5,375	6,232	6,094	6,182	7,199	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	3	4	4	5	5	6	7	7	7	7	7
13. United States	703	703	658	711	710	727	642	644	376	308	308
(b) Secondary:											
14. Other provinces .....	..	11	18	46	83	131	275	..	..	..	..
15. United States .....	..	3,681	3,524	2,746	3,154	4,043	2,909	..	..	..	..
16. Total deliveries of energy .....	..	4,399	4,204	3,508	3,952	4,907	3,833	..	..	..	..
17. Total energy available (6 + 11 - 16)	..	29,189	31,154	31,863	35,389	36,967	38,238	..	..	..	..
18. Secondary energy delivered within province .....	..	120	194	395	485	585	511	..	..	..	..
19. Firm energy available within province (17 - 18) ..	20,395	29,069	30,960	31,468	34,904	36,382	37,727	40,634	43,255	45,763	48,105
20. Indicated shortage	97	-	-	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	20,492	29,069	30,960	31,468	34,904	36,382	37,727	40,634	43,255	45,763	48,105
22. Firm energy requirement on province (12 + 13 + 21)	21,198	29,776	31,622	32,184	35,619	37,115	38,376	41,285	43,638	46,078	48,420

Manitoba

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Net generation by:											
1. Hydro-electric .....	..	..	3,333	3,082	3,582	3,735	3,591	..	..	..	..
2. Steam - Conventional							238	..	..	..	..
3. Nuclear .....							-	..	..	..	..
4. Internal combustion .....	..	..	5	131	51	75	11	..	..	..	..
5. Gas turbine .....							-	..	..	..	..
6. Total net generation .....	..	3,331	3,338	3,213	3,633	3,810	3,840	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	623	611	643	616	616
8. United States .....	..	..	..	..	..	..	-	-	-	-	-
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	301	..	..	..	..
10. United States .....	..	..	..	..	..	..	-	..	..	..	..
11. Total receipts of energy .....	..	555	571	620	652	739	924	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	79	94	136	-	-	-	2	-	-	-	-
13. United States	-	-	-	-	-	-	-	-	-	-	-
(b) Secondary:											
14. Other provinces .....	..	38	18	43	3	4	4	..	..	..	..
15. United States .....	..	-	-	-	-	-	-	..	..	..	..
16. Total deliveries of energy .....	..	132	154	43	3	4	6	..	..	..	..
17. Total energy available (6 + 11 - 16)	..	3,754	3,755	3,790	4,282	4,545	4,758	..	..	..	..
18. Secondary energy delivered within province .....	..	496	408	214	393	344	60	..	..	..	..
19. Firm energy available within province (17 - 18) ..	2,443	3,258	3,347	3,576	3,889	4,201	4,698	5,023	5,266	5,499	5,762
20. Indicated shortage	-	-	-	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	2,443	3,258	3,347	3,576	3,889	4,201	4,698	5,023	5,266	5,499	5,762
22. Firm energy requirement on province (12 + 13 + 21)	2,522	3,352	3,483	3,576	3,889	4,201	4,700	5,023	5,266	5,499	5,762

Saskatchewan

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Net generation by:											
1. Hydro-electric .....	..	..	546	569	586	620	658	...	...	...	...
2. Steam - Conventional			-					1,682	...	...	...
3. Nuclear .....			-					-	...	...	...
4. Internal combustion .....	..	..	1,147	1,333	1,498	1,659	109	...	...	...	...
5. Gas turbine			-				62	...	...	...	...
6. Total net generation .....	..	1,569	1,693	1,902	2,084	2,279	2,511	...	...	...	...
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	-	-	-	-	-
8. United States .....	..	..	..	..	..	..	-	-	-	-	-
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	6	...	...	...	...
10. United States .....	..	..	..	..	..	..	-	...	...	...	...
11. Total receipts of energy .....	..	-	3	3	8	6	6	...	...	...	...
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	515	554	503	504	517	575	621	611	643	616	616
13. United States	-	-	-	-	-	-	-	-	-	-	-
(b) Secondary:											
14. Other provinces .....	..	-	67	79	78	44	41	...	...	...	...
15. United States .....	..	-	-	-	-	-	-	...	...	...	...
16. Total deliveries of energy .....	..	554	570	583	595	619	662	...	...	...	...
17. Total energy available (6 + 11 - 16)	..	1,015	1,126	1,322	1,497	1,666	1,855	...	...	...	...
18. Secondary energy delivered within province .....	..	-	-	-	-	-	-	...	...	...	...
19. Firm energy available within province (17 - 18) ..	467	1,015	1,126	1,322	1,497	1,666	1,855	2,149	2,356	2,657	2,889
20. Indicated shortage	-	-	-	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	467	1,015	1,126	1,322	1,497	1,666	1,855	2,149	2,356	2,657	2,889
22. Firm energy requirement on province (12 + 13 + 21)	982	1,569	1,629	1,826	2,014	2,241	2,476	2,760	2,999	3,273	3,505

Alberta

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Nat generation by:											
1. Hydro-electric .....	..	..	807	991	842	887	1,023	..	..	..	..
2. Steam - Conventional							2,534	..	..	..	..
3. Nuclear .....							-	..	..	..	..
4. Internal combustion .....	..	..	1,533	1,616	2,228	2,540	51	..	..	..	..
5. Gas turbine							165	..	..	..	..
6. Total net generation .....	..	2,076	2,340	2,607	3,070	3,427	3,773	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	6	10	12	13	13
8. United States .....	..	..	..	..	..	..	-	-	-	-	-
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	30	..	..	..	..
10. United States .....	..	..	..	..	..	..	-	..	..	..	..
11. Total receipts of energy .....	..	29	22	19	34	30	36	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	20	-	-	-	5	3	1	2	2	2	2
13. United States	-	-	-	-	-	-	-	-	-	-	-
(b) Secondary:											
14. Other provinces .....	..	-	4	2	2	2	-	..	..	..	..
15. United States .....	..	-	-	-	-	-	-	..	..	..	..
16. Total deliveries of energy .....	..	-	4	2	7	5	1	..	..	..	..
17. Total energy available (6 + 11 - 16)	..	2,105	2,358	2,624	3,097	3,452	3,808	..	..	..	..
18. Secondary energy delivered within province .....	..	-	-	-	-	-	-	..	..	..	..
19. Firm energy available within province (17 - 18) ..	1,114	2,105	2,358	2,624	3,097	3,452	3,808	4,062	4,383	4,722	5,096
20. Indicated shortage	-	-	-	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	1,114	2,105	2,358	2,624	3,097	3,452	3,808	4,062	4,383	4,722	5,096
22. Firm energy requirement on province (12 + 13 + 21)	1,134	2,105	2,358	2,624	3,102	3,455	3,809	4,064	4,385	4,724	5,098

British Columbia

TABLE 1B. Energy Supply and Requirements - Continued

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
millions of kilowatt-hours											
Net generation by:											
1. Hydro-electric .....	..	..	10,054	11,148	11,673	12,584	12,295	...	...	...	...
2. Steam - Conventional							535	...	...	...	...
3. Nuclear .....							-	...	...	...	...
4. Internal combustion .....		..	487	534	603	729	246	...	...	...	...
5. Gas turbine							10	...	...	...	...
6. Total net generation .....	..	9,774	10,541	11,682	12,276	13,313	13,086	...	...	...	...
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	1	2	2	2	2
8. United States .....	..	..	..	..	..	..	1	1	1	1	1
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	-	...	...	...	...
10. United States .....	..	..	..	..	..	..	16	...	...	...	...
11. Total receipts of energy .....	..	52	545	18	30	72	18	...	...	...	...
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	-	10	9	6	6	3	6	10	12	13	13
13. United States	184	-	-	-	-	2	2	-	-	-	-
(b) Secondary:											
14. Other provinces .....	..	19	13	13	28	27	30	...	...	...	...
15. United States .....	..	20	13	13	14	16	17	...	...	...	...
16. Total deliveries of energy .....	..	49	35	32	48	48	55	...	...	...	...
17. Total energy available (6 + 11 - 16)	..	9,777	11,051	11,668	12,258	13,337	13,049	...	...	...	...
18. Secondary energy delivered within province .....	..	-	90	89	167	233	242	...	...	...	...
19. Firm energy available within province (17 - 18) ..	4,741	9,777	10,961	11,579	12,091	13,104	12,807	14,670	15,419	16,293	17,166
20. Indicated shortage	-	-	14	-	12,091	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	4,741	9,777	10,975	11,579	-	13,104	12,807	14,670	15,419	16,293	17,166
22. Firm energy requirement on province (12 + 13 + 21)	4,925	9,787	10,984	11,585	12,097	13,109	12,815	14,680	15,431	16,306	17,179

Yukon and Northwest Territories

TABLE 1B. Energy Supply and Requirements - Concluded

	Actual							Forecast			
	1951	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965
	millions of kilowatt-hours										
Net generation by:											
1. Hydro-electric .....	..	..	112	131	146	152	174	..	..	..	..
2. Steam - Conventional							2	..	..	..	..
3. Nuclear .....							-	..	..	..	..
4. Internal combustion .....	..	..	14	15	21	14	19	..	..	..	..
5. Gas turbine .....							-	..	..	..	..
6. Total net generation .....	..	110	126	146	167	166	195	..	..	..	..
Receipts of energy from:											
(a) Firm:											
7. Other provinces .....	..	..	..	..	..	..	-	-	-	-	-
8. United States .....	..	..	..	..	..	..	-	-	-	-	-
(b) Secondary:											
9. Other provinces .....	..	..	..	..	..	..	-	..	..	..	..
10. United States .....	..	..	..	..	..	..	-	..	..	..	..
11. Total receipts of energy .....	..	..	..	..	..	..	-	..	..	..	..
Deliveries of energy to:											
(a) Firm:											
12. Other provinces	-	-	-	-	-	-	-	-	-	-	-
13. United States	-	-	-	-	-	-	-	-	-	-	-
(b) Secondary:											
14. Other provinces .....	-	-	-	-	-	-	-	..	..	..	..
15. United States .....	-	-	-	-	-	-	-	..	..	..	..
16. Total deliveries of energy .....	-	-	-	-	-	-	-	..	..	..	..
17. Total energy available (6 + 11 - 16)	..	110	126	146	167	166	195	..	..	..	..
18. Secondary energy delivered within province .....	..	5	12	28	26	28	42	..	..	..	..
19. Firm energy available within province (17 - 18) ..	64	105	114	118	141	138	153	208	209	211	216
20. Indicated shortage	-	-	-	-	-	-	-	-	-	-	-
21. Firm energy requirement within province (19 + 20)	64	105	114	118	141	138	153	208	209	211	216
22. Firm energy requirement on province (12 + 13 + 21)	64	105	114	118	141	138	153	208	209	211	216

TABLE 2. Total Net Generating Capability within Provinces(1)

Province	1951	1956	1957	1958	1959	1960	1961	Forecast				Percentage Change (compounded)		
								1962	1963	1964	1965	1951 1961	1957 1961	1961 1965
thousands of kilowatts														
Newfoundland (including Labrador)	200	242	249	271	267	309	311	404	502	504	504	4.52	5.72	12.8
Prince Edward Island	18	18	25	26	25	38	37	39	59	59	61	7.47	10.3	13.3
Nova Scotia	246	378	415	411	493	499	508	508	508	527	527	7.52	5.18	0.91
New Brunswick	196	286	321	372	373	388	436	476	534	534	592	8.32	7.95	7.95
Quebec	4,613	5,890	6,461	7,053	7,681	8,764	8,738	8,913	9,138	9,528	10,354	6.61	7.82	4.33
Ontario	2,824	4,565	4,932	5,881	6,275	6,650	6,858	7,529	8,102	8,399	8,993	9.28	8.60	7.00
Manitoba	423	602	639	734	734	932	905	1,033	1,033	1,138	1,243	7.90	9.08	8.20
Saskatchewan	245	402	463	538	671	752	757	754	833	922	922	11.94	13.08	5.05
Alberta	271	558	558	734	768	925	953	1,137	1,209	1,393	1,404	13.40	14.32	10.20
British Columbia	1,015	2,019	2,350	2,568	2,877	3,028	3,070	3,369	3,468	3,651	3,652	11.70	6.90	4.44
Yukon and Northwest Territories	21	23	26	40	41	55	55	56	59	61	61	10.10	20.60	2.62
Canada	10,072	14,983	16,439	18,628	20,205	22,340	22,628	24,218	25,445	26,716	28,313	8.43	8.39	5.76

(1) Table 1A, item 6.

TABLE 3. Firm Power Peak Load within Provinces(1)

Province	1951	1956	1957	1958	1959	1960	1961	Forecast				Percentage change (compounded)		
								1962	1963	1964	1965	1951 1961	1957 1961	1961 1965
thousands of kilowatts														
Newfoundland (including Labrador)	182	222	222	231	231	245	242	302	355	401	409	2.90	2.18	14.02
Prince Edward Island	8	12	14	16	19	21	24	26	29	32	36	11.61	14.42	10.70
Nova Scotia	185	301	322	335	330	356	347	365	386	409	435	6.50	1.90	5.82
New Brunswick	184	243	258	273	291	319	319	343	408	434	460	6.00 2.31	5.50	9.58
Quebec	3,462	4,749	5,256	5,375	5,466	5,871	6,258	6,578	7,063	7,530	8,050	6.10 2.50	4.47	6.50
Ontario	3,292	5,064	5,369	5,794	6,154	6,391	6,615	7,091	7,535	7,951	8,380	7.23 3.00	5.35	6.09
Manitoba	454	605	608	646	690	772	849	889	929	969	915	6.50 2.70	8.70	1.90
Saskatchewan	127	278	299	353	377	418	466	528	578	634	691	13.88	11.74	10.35
Alberta	220	451	476	580	649	714	836	876	951	1,033	1,127	14.28	15.11	7.75
British Columbia	861	1,724	1,821	1,935	1,963	2,123	2,368	2,455	2,595	2,751	2,868	14.53	6.78	4.90
Yukon and Northwest Territories	14	19	19	30	31	34	29	40	42	44	44	7.55	11.14	11.00
Canada	8,989	13,668	14,664	15,568	16,201	17,264	18,353	19,493	20,871	22,188	23,415	7.40	5.74	6.28

(1) Table 1A, item 14.

TABLE 4. Firm Energy Requirement within Provinces(1)

Province	1951 1956 1957 1958 1959 1960 1961							Forecast				Percentage change (compounded)		
	1962	1963	1964	1965	1951 1961	1957 1961	1961 1965	1962	1963	1964	1965	1951	1957	1961
millions of kilowatt hours														
Newfoundland (including Labrador)	1,040	1,226	1,190	1,178	1,215	1,320	1,361	1,679	2,099	2,338	2,534	2.73	3.42	16.81
Prince Edward Island	34	53	57	63	71	79	88	102	110	123	134	10.00	11.50	11.09
Nova Scotia	1,027	1,457	1,471	1,552	1,626	1,714	1,775	1,832	1,942	2,059	2,183	5.62	4.82	5.31
New Brunswick	1,002	1,236	1,347	1,417	1,537	1,674	1,782	1,925	2,201	2,441	2,590	5.93	7.23	9.79
Quebec	23,404	31,788	31,376	32,342	34,035	38,552	39,022	39,884	43,230	45,925	49,176	5.24	5.61	6.00
Ontario	20,492	29,069	30,960	31,468	34,904	36,382	37,727	40,634	43,255	45,763	48,105	6.29	5.08	6.26
Manitoba	2,443	3,258	3,347	3,576	3,889	4,201	4,698	5,023	5,266	5,499	5,762	6.76	8.85	5.23
Saskatchewan	467	1,015	1,126	1,322	1,497	1,666	1,855	2,149	2,356	2,657	2,889	14.60	13.30	11.70
Alberta	1,114	2,105	2,358	2,624	3,097	3,452	3,808	4,062	4,383	4,722	5,096	15.30	12.80	7.55
British Columbia	4,741	9,777	10,975	11,579	12,091	13,104	12,807	14,670	15,419	16,293	17,166	10.50	3.94	7.59
Yukon and Northwest Territories	64	105	114	118	141	138	153	208	209	211	216	9.11	7.63	9.01
Canada	55,828	81,089	84,321	87,239	94,103	102,282	105,076	112,168	120,470	128,031	135,851	6.53	5.63	6.63

(1) Table 1B, item 21.

TABLE 5. Indicated Reserve(1)

Province	1951	1956	1957	1958	1959	1960	1961	Forecast				Percentage change (compounded)									
								1962	1963	1964	1965	1951 1961	1957 1961	1961 1965							
thousands of kilowatts																					
<u>Newfoundland (including Labrador):</u>																					
1. Gross capability	200	242	249	271	267	309	311	404	502	504	504	4.51	5.70	12.82							
2. Firm power peak load on province ...	182	230	228	239	238	259	255	316	369	415	423	3.43	2.90	13.47							
3. Indicated reserve (1 - 2)	18	12	21	32	29	50	56	88	133	89	81	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	9.9	5.2	9.2	13.4	12.2	19.3	22.0	27.8	36.0	21.4	19.1	...	...	...				
<u>Prince Edward Island:</u>																					
1. Gross capability	18	18	25	26	25	38	37	39	59	59	61	7.47	10.30	13.30							
2. Firm power peak load on province ...	8	12	14	16	19	21	24	26	29	32	36	11.61	14.42	10.70							
3. Indicated reserve (1 - 2)	10	6	11	10	6	17	13	13	30	27	25	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	125.0	50.0	78.6	62.5	31.6	81.0	54.2	50.0	103.4	84.4	69.4	...	...	...				
<u>Nova Scotia:</u>																					
1. Gross capability	248	378	415	411	493	499	508	508	508	527	527	7.43	5.18	0.91							
2. Firm power peak load on province ...	187	303	324	338	333	359	348	366	386	409	435	6.40	1.80	5.74							
3. Indicated reserve (1 - 2)	61	75	91	73	160	140	160	142	122	118	92	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	32.6	24.8	28.1	21.6	48.0	39.0	46.0	38.8	31.6	28.9	21.1	...	...	...				
<u>New Brunswick:</u>																					
1. Gross capability	200	291	326	380	380	395	442	482	542	542	600	8.25	7.89	7.93							
2. Firm power peak load on province ...	184	248	266	282	300	342	341	371	443	473	485	6.36	6.39	9.20							
3. Indicated reserve (1 - 2)	16	43	60	98	80	53	101	111	99	69	115	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	8.7	17.3	22.6	34.8	26.7	15.5	29.6	29.9	22.3	14.6	23.7	...	...	...				

(1) Gross capability (Table 1A items 6 + 9); firm power peak load on province (Table 1A item 17); indicated reserve (Table 1A item 18).

TABLE 5. Indicated Reserve(1) - Continued

Province	1951	1956	1957	1958	1959	1960	1961	Forecast				Percentage change (compounded)									
								1962	1963	1964	1965	1951 1961	1957 1961	1961 1965							
thousands of kilowatts																					
<u>Quebec:</u>																					
1. Gross capability	4,614	5,901	6,468	7,062	7,690	8,780	8,759	8,934	9,157	9,546	10,372	6.62	7.87	4.31							
2. Firm power peak load on province ...	4,197	5,540	6,008	6,105	6,219	6,626	6,992	7,336	7,825	8,293	8,905	5.24	3.82	6.24							
3. Indicated reserve (1 - 2)	417	361	460	957	1,471	2,154	1,767	1,598	1,332	1,253	1,467	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	9.9	6.5	7.7	15.7	23.7	32.5	25.3	21.8	17.0	15.1	16.5	...	...	...				
<u>Ontario:</u>																					
1. Gross capability	3,568	5,267	5,637	6,549	6,967	7,344	7,553	8,225	8,800	9,099	9,785	7.79	7.59	6.70							
2. Firm power peak load on province ...	3,378	5,151	5,456	5,881	6,242	6,479	6,706	7,185	7,577	7,993	8,422	7.10	5.29	5.86							
3. Indicated reserve (1 - 2)	190	116	181	668	725	865	847	1,040	1,223	1,106	1,363	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	5.6	2.3	3.3	11.4	11.6	13.4	12.6	14.5	16.1	13.8	16.2	...	...	...				
<u>Manitoba:</u>																					
1. Gross capability	500	666	708	802	806	1,018	988	1,121	1,171	1,226	1,331	7.05	8.70	7.73							
2. Firm power peak load on province ...	463	619	622	646	690	772	849	889	929	969	915	6.25	8.07	1.90							
3. Indicated reserve (1 - 2)	37	47	86	156	116	246	139	232	142	257	416	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	8.0	7.6	13.8	24.1	16.8	31.9	16.4	26.1	15.3	26.5	45.5	...	...	...				
<u>Saskatchewan:</u>																					
1. Gross capability	245	402	463	539	672	753	757	754	833	922	922	11.94	13.06	5.00							
2. Firm power peak load on province ...	204	342	368	421	449	504	554	616	716	722	779	10.50	10.74	8.89							
3. Indicated reserve (1 - 2)	41	60	95	118	223	249	203	138	117	200	143	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	20.1	17.5	25.8	28.0	49.7	49.4	36.6	22.4	16.3	27.7	18.4	...	...	...				

(1) Gross capability (Table 1A items 6 + 9); firm power peak load on province (Table 1A item 17); indicated reserve (Table 1A item 18).

TABLE 5. Indicated Reserve(1) - Concluded

Province	1951	1956	1957	1958	1959	1960	1961	Forecast				Percentage change (compounded)									
								1962	1963	1964	1965	1951 1961	1957 1961	1961 1965							
thousands of kilowatts																					
<u>Alberta:</u>																					
1. Gross capability	271	562	592	738	771	928	953	1,137	1,209	1,393	1,404	13.40	12.63	10.20							
2. Firm power peak load on province ...	225	451	476	581	650	715	841	881	957	1,040	1,134	14.10	15.28	7.75							
3. Indicated reserve (1 - 2)	46	111	116	157	121	213	112	256	252	353	270	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	20.4	24.6	24.4	27.0	18.6	29.8	13.3	29.1	26.3	33.9	23.8	...	...	...				
<u>British Columbia:</u>																					
1. Gross capability	1,020	2,071	2,350	2,568	2,877	3,028	3,075	3,374	3,474	3,658	3,659	11.66	7.00	4.42							
2. Firm power peak load on province ...	891	1,729	1,825	1,939	1,966	2,126	2,368	2,455	2,595	2,751	2,868	10.27	6.72	4.90							
3. Indicated reserve (1 - 2)	129	342	525	629	911	902	707	919	879	907	791	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	14.5	19.8	28.8	32.4	46.3	42.4	29.9	37.4	33.9	33.0	27.6	...	...	...				
<u>Yukon and Northwest Territories:</u>																					
1. Gross capability	21	23	26	40	41	55	55	56	59	61	61	10.11	20.60	2.62							
2. Firm power peak load on province ...	14	19	19	30	31	34	29	40	42	44	44	7.55	11.14	11.00							
3. Indicated reserve (1 - 2)	7	4	7	10	10	21	26	16	17	17	17	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	50.0	21.1	36.8	33.3	32.3	61.8	89.7	40.0	40.5	38.6	38.6	...	...	...				
<u>Canada:</u>																					
1. Gross capability	10,076	15,039	16,469	18,628	20,205	22,340	22,630	24,220	25,448	26,719	28,316	8.43	8.27	5.76							
2. Firm power peak load on Canada	9,485	13,862	14,816	15,720	16,353	17,430	18,499	19,669	21,002	22,323	23,536	7.00	5.70	6.20							
3. Indicated reserve (1 - 2)	591	1,177	1,653	2,908	3,852	4,910	4,131	4,551	4,446	3,396	4,780	...	...	...				
4. Indicated reserve expressed as a per cent of firm power peak load	6.2	8.5	11.2	18.5	23.5	28.2	22.3	23.1	21.2	15.2	20.3	...	...	...				

(1) Gross capability (Table 1A items 6 + 9); firm power peak load on province (Table 1A item 17); indicated reserve (Table 1A item 18).

GLOSSARY OF TERMS

Firm Energy Requirement

Energy required to meet firm obligations, or for use in own industrial plant other than in electric boilers.

Firm Power

Maximum power always to be available, short of major outages caused by storm, explosion, strikes, etc.

Firm Power Peak Load

The annual Firm Power maximum average net kilowatt load of one hour duration within the Utility, System or Industrial Establishment.

Firm Obligations

Shall include only maximum commitments under contract agreements to accept or deliver power on an irrevocable basis or the best estimate of firm obligations in the absence of contracts.

Indicated Demand

The sum of firm power peak load and indicated shortage.

Indicated Reserve

Net capability less indicated firm power peak load within the province or gross capability less firm power peak load on the province.

Industrial Establishment

A firm which generates power primarily for use in its own plants.

Net Generating Capability

The maximum net kilowatt output (after station service) available from the generating facilities of the Utility, System or Industrial Establishment with all equipment available, at the time of the annual Firm Power Peak Load, determined as the average kilowatt output for one hour with no allowance for outages of generating units.

Net Capability

The sum of net generating capability and purchases of firm power under firm obligation from other utilities less deliveries of firm power under firm obligation to other utilities.

System

Two or more Utilities, Industrial Establishments or a combination of these, having interconnections for the exchange of power, which although they may be separately incorporated, are controlled, managed or operated by one principal.

CANADIAN ELECTRICAL ASSOCIATION

ELECTRIC POWER STATISTICS COMMITTEE

Chairman - G.H. Thompson, Calgary Power Ltd., Calgary, Alta.
Vice-chrm. - N.S. Crerar, Saguenay Power Co., Montreal, P.Q.

Policy Subcommittee

Chairman G.A. Gaherty, Montreal Engineering Co., P.O. Box 250, Place d'Armes, Montreal.
A.C. Abbott, Shawinigan Water & Power Co., P.O. Box 6072, Montreal.
D. Cass-Beggs, Saskatchewan Power Corporation, Regina.
B.C. Fairchild, Canadian Electrical Association, Montreal
W.D. Fallis, Manitoba Hydro, P.O. Box 815, Winnipeg, Man.
J.M. Hambley, HEPC of Ontario, 620 University Ave., Toronto
A.R. Harrington, N.S. Light & Power Co., Halifax
L. O'Sullivan, Hydro-Quebec, 75 Dorchester Blvd. W., Montreal
J.H. Steede, B.C. Hydro and Power Authority, 970 Burrard St., Vancouver
R.E. Tweeddale, N.B. Electric Power Commission, Fredericton, N.B.

Surveys Subcommittee

Chairman G.H. Thompson, Calgary Power Ltd., P.O. Box 190, Calgary, Alta.
J.C. Antliff, Hydro-Quebec, 75 Dorchester Blvd. W., Montreal.
R.L. Borden, Dominion Bureau of Statistics, Public Utilities Section, Ottawa.
N.B. Cameron, Manitoba Hydro, P.O. Box 815, Winnipeg 1, Man.
A.J. Cyr, N.B. Electric Power Commission, Fredericton, N.B.
D. King (co-opted) Shawinigan Water & Power Co., Montreal
W.K. Murray, N.S. Light & Power Co., Halifax, N.S.
W.S. Preston, HEPC of Ontario, 620 University Ave., Toronto
W.A. Reed, Saskatchewan Power Corporation, Regina, Sask.
B.T. Sansom, Shawinigan Water & Power Co., Montreal
J.E. Underhill, B.C. Hydro & Power Authority, 970 Burrard St., Vancouver
G.A. Wagdin, Dominion Bureau of Statistics, Public Finance & Transportation Division, Ottawa.
M.M. Williams, Calgary Power Ltd., P.O. Box 190, Calgary, Alta.

Co-ordinating Panel

Chairman R.L. Borden, Dominion Bureau of Statistics, Ottawa
J.C. Antliff, Hydro-Quebec, Montreal
R.B. Gander, Montreal Engineering Co., Montreal
W.S. Preston, HEPC of Ontario, Toronto
B.T. Sansom, Shawinigan Water & Power Co., Montreal.



DATE DUE
DATE DE RETOUR

JUL 17 1981

LOWE-MARTIN No. 1132



STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010700112

EIGHTH ANNUAL ELECTRIC POWER SURVEY CAPABILITY AND LOAD : 1961 & 1962