57-204



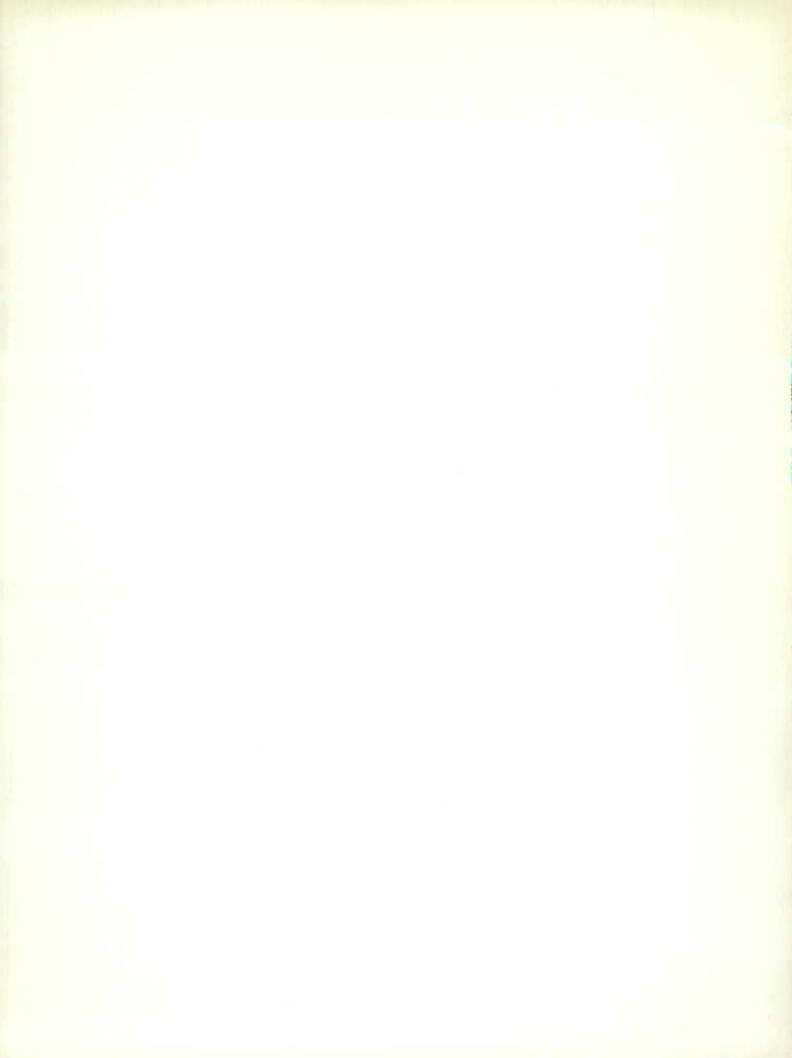
Sixth ANNUAL ELECTRIC POWER SURVEY OF CAPABILITY AND LOAD

1959 Actual

1960 - 1963 Forecast



Public Finance and Transportation Division
Public Utilities Section



DOMINION BUREAU OF STATISTICS

Public Finance and Transportation Division
Public Utilities Section

Sixth

ANNUAL ELECTRIC POWER SURVEY OF CAPABILITY AND LOAD

1959 Actual 1960-1963 Forecast

Published by Authority of
The Honourable Gordon Churchill, Minister of Trade and Commerce

Publications prepared in the Public Finance and Transportation Division dealing with electric power

Catalogue Number	<u>Title</u>	Price
	<u>Annuals</u>	\$
57-201	Electric and Gas Meter Registrations. Approx. 200 pp Meter registrations by province, county or census	2.00
	division, company and place served, by type of service.	
57-202	Electric Power Statistics. Approx. 48 pp	.75
57-203	Electricity Bills for Domestic, Commercial and Small Power Services. Approx. 16 pp	. 50
	Monthly	
57-001	Electric Power Statistics. Approx. 4 pp. 10 cents per copy per year Production by utilities and industrial establishments,	1.00
	imports and exports, power made available for use in Canada, amount used in electric boilers, by provinces.	+

TABLE OF CONTENTS Page 1 Review of Survey Results 2 4 CHARTS Net Generating Capability within Canada, 1950 through 1963 A: 6 Net Capability and Firm Demand within Canada, 1950 through 1963 B: 7 Net Generating Capability within Provinces, 1950 through 1963 C: 8 Net Capability and Firm Demand within Provinces, 1950 through 1963 ... D: 10 Firm Energy Requirement within Canada, 1950 through 1963 E: 12 **TABLES** Summary by Provinces and Canada, 1950, 1954 through 1963 I: 13 Net Generating Capability within Provinces, 1950, 1954 through 1963 ... II: 25 Firm Power Peak Load Within Provinces, 1950, 1954 through 1963 26 Firm Energy Requirement within Provinces, 1950, 1954 through 1963 IV: 27 Indicated Reserve, 1950, 1954 through 1963 V:28 Canadian Electrical Association Policy Sub-Committee 31 Surveys Sub-Committee 32

Introduction

This report presents the results of the sixth annual Electric Power Survey of Capability and Load which was conducted in March 1960 by the Dominion Bureau of Statistics in cooperation with the Canadian Electrical Association. The Electric Power Survey embraces all producers of electric energy in Canada which generate 10,000,000 kilowatt hours or more per annum. The 1960 report is based on returns from 130 companies, half of which are utilities and the other half industrial establishments which generate power primarily for own use. As these 130 producers account for approximately 99 per cent of total generation in Canada, figures presented in this report may be regarded as being representative of the entire industry.

The statistics presented are for the years 1950, and 1954 - 1963 inclusive, the latter four years on a forecast basis. Capability and load figures are based on the situation as it existed at the time of each company's annual firm power peak load. This load is calculated in terms of contractual commitments for firm power.

Generating capability is the maximum output that can be maintained at the time of annual firm power peak load. Net generating capability refers to the amount left after power used in station service is deducted. It is calculated on the basis of actual operating experience assuming all equipment in working order and available for use. Net generating capability should not be construed as representing installed capacity, a term used in reference to the name plate ratings of generating equipment as designated by the manufacturers.

The power situation in any province or for the country as a whole can be presented in several ways. Two of these are contained in the report and are based on the demand within the province (Table I) and the demand on the province (Table V). In each case the appropriate capability is also shown. Demand within the province is related to net capability which means net generating capability plus purchases less deliveries outside the province.

Statistics of the power situation within Canada and within the individual provinces provide a measure of the growth of the industry within geographic areas and indicate the contribution of the industry to the economic growth of the country as a whole. Demand on the province, however, is related to gross capability which is generating capability plus purchases outside the province and is of interest primarily from a utility point of view.

Some care must be exercised in the interpretation of these data. For example, the difference between gross capability and total firm demand is an indication of available reserves of power. Since power producers are not, however, all fully interconnected, reserves of power cannot always be completely utilized.

Review of Survey Results

Net generating capability: Net generating capability in Canada rose 8.5 per cent in 1959 to 20,205,000 kilowatts from the 1958 total of 18,628,000. The increase was just under the 9.0 per cent averaged over the nine-year period covered since the survey was inaugurated and compares with an increase of 13.0 per cent forecast for 1960. Greatly below-average increases of 2.1, 4.0 and 5.1 per cent are planned for 1961, 1962 and 1963 because of the substantial reserves which have been built up since 1956. In 1963, net generating capability at 25,487,000 kilowatts will have advanced some 26.1 per cent over the current level.

More than half of the increase planned for the next four years will be thermal compared with less than 20 per cent in the four-year period ended 1959. Thermal generating capability will account for 23.1 per cent of the total in 1963, against 15.4 per cent in 1959.

Since 1950, annual increments to thermal generating capability have averaged 17.1 per cent; additions between 1959 and 1963 are expected to average 17.7 per cent. Annual increases in hydro generating capability, which averaged 8.2 per cent between 1952 and 1959, are forecast as declining sharply to 3.5 per cent during the next four years.

Firm power peak load: Firm power peak load within Canada in 1959 amounted to 16,-201,000 kilowatts, an increase of 4.1 per cent over the revised 1958 total of 15,-568,000. The forecast for 1963 is 21,170,000 kilowatts, an estimated rise of 30.7 per cent. Annual rates of increase have averaged 7.4 per cent since 1950, slightly higher than the 6.9 per cent forecast for the next four years. The forecast rate of increase, however, is somewhat higher than the 6.6 per cent achieved in the last four years.

During the eight-year period 1955-1963 a growth in firm power peak load of 162.5 per cent is indicated in Saskatchewan and 155.7 per cent in Alberta. The increase for all Canada during this period is expected to approximate 69 per cent.

Indicated Reserve: The indicated reserve for Canada rose sharply in 1959 to 3,-852,000 kilowatts from the revised total of 2,908,000 in 1958. By 1963 it will have risen to 4,211,000 kilowatts, but represent only 19.8 per cent of firm demand as compared with this year's 23.5 per cent. From a low of 8.5 per cent in 1956 the margin of reserve is expected to reach a peak of 29.2 per cent in 1960 before subsiding to the 1963 level of 19.8 per cent.

Reserves for individual provinces varied in 1959 from a high of 49.7 per cent in Saskatchewan to a low of 11.6 per cent in Ontario.

Firm Energy Requirement: Firm energy requirement rose 7.5 per cent in 1959 to 93,-656,000,000 kilowatt hours from 87,102,000,000 in 1958. Further annual increases averaging 7.4 per cent over the next four years are expected to result in a firm energy requirement of 124,743,000,000 kilowatt hours by 1963. The comparative stability of the rate of growth in firm energy requirement is evidenced by the fact that annual increments during the period 1950-1959 averaged 7.2 per cent.

Firm energy requirement within provinces showed much wider variations. During the eight-year period 1955-1963, firm energy requirement will increase 173.1 per cent in Saskatchewan, 160.5 per cent in Alberta and 131.4 per cent in Prince Edward Island. The comparable rate of growth for all Canada is 68.3 per cent.

During the recent survey a number of errors in reporting were uncovered which resulted, in some instances, in figures being revised for earlier years. Firm power peak load and firm energy requirement have been revised downwards for the province of Quebec in 1956 and 1957 and increased slightly in 1958. The changes in firm power peak load also affected indicated reserve. Small reductions in firm energy requirement were made for each year back to 1950 in Nova Scotia figures.

- Chart A Net Generating Capability Within Canada (Page 6): This chart graphically portrays the rapid growth in ability to produce power and shows the extent to which thermal generation is becoming increasingly important.
- Chart B Net Capability and Firm Demand Within Canada (Page 7): Chart B provides an indication of the reserves available to meet firm demand for electric power within Canada.
- Chart C Net Generating Capability Within Provinces (Pages 8 9): Chart C illustrates the growth in capability and the comparative importance of hydro and thermal generation within provinces.
- Chart D Net Capability and Firm Demand Within Provinces (Pages 10 11): 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.
- Chart E Firm Energy Requirement Within Canada (Page 12): Chart E shows the growth in Canadian firm energy requirement during the period 1950 1962.
- Table I Summary (Pages 13 to 24): This table summarizes capability, firm power peak load, indicated reserve and firm energy requirement for Canada and for each of the provinces.
- Table II Net Generating Capability Within Provinces (Page 25): This table compares provincial rates of growth in net generating capability.
- Table III Firm Power Peak Load Within Provinces (Page 26): This table compares rates of growth of firm power peak load within provinces.
- Table IV Firm Energy Requirement Within Provinces (Page 27): This table compares rates of growth of firm energy requirement within provinces.
- Table V Indicated Reserve (Page 18): 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. Demand on the province consists of firm power peak load within the province plus any indicated shortage or rejected load plus firm power deliveries outside the province. Gross capability consists of net generating capability (hydro and thermal) within the province plus purchases of firm power under firm obligation from sources outside the province. The difference between gross capability and firm demand is the indicated reserve, and this, expressed as a percentage of total firm demand, can be used as a measurement of the industry's ability to satisfy demand and meet contingencies. Since not all systems are fully interconnected it should be remembered that reserves of power cannot always be completely utilized.

DEFINITIONS

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.

INDICATED DEMAND

The sum of firm power peak load and indicated shortage.

INDICATED RESERVE

Net capability less indicated demand (+ or -).

INDUSTRIAL ESTABLISHMENT

A firm which generates power primarily for use in 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

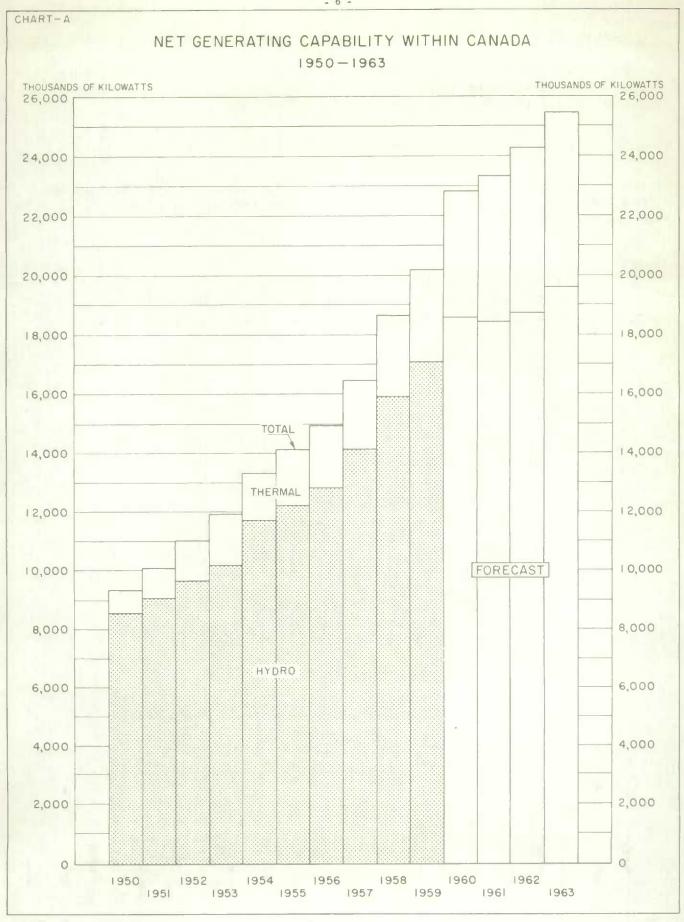
The sum of net generating capability and purchases of firm power under firm obligation from other utilities less deliveries of firm power under firm obligation to other utilities.

SYSTEM

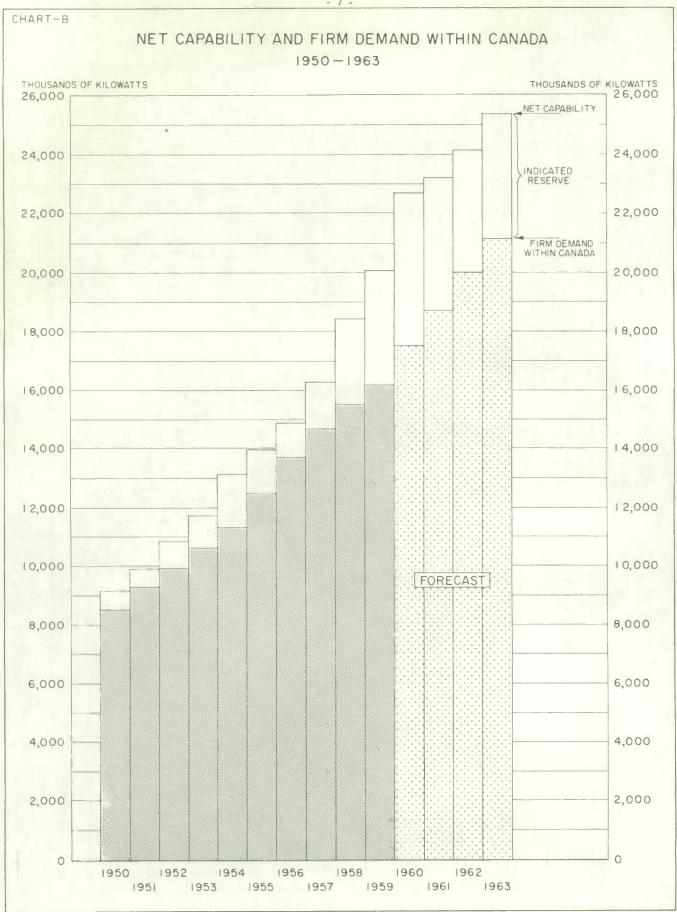
Two or more UTILITIES, having interconnections for the exchange of power, which although they may be separately incorporated, are controlled, managed or operated by one principal UTILITY.

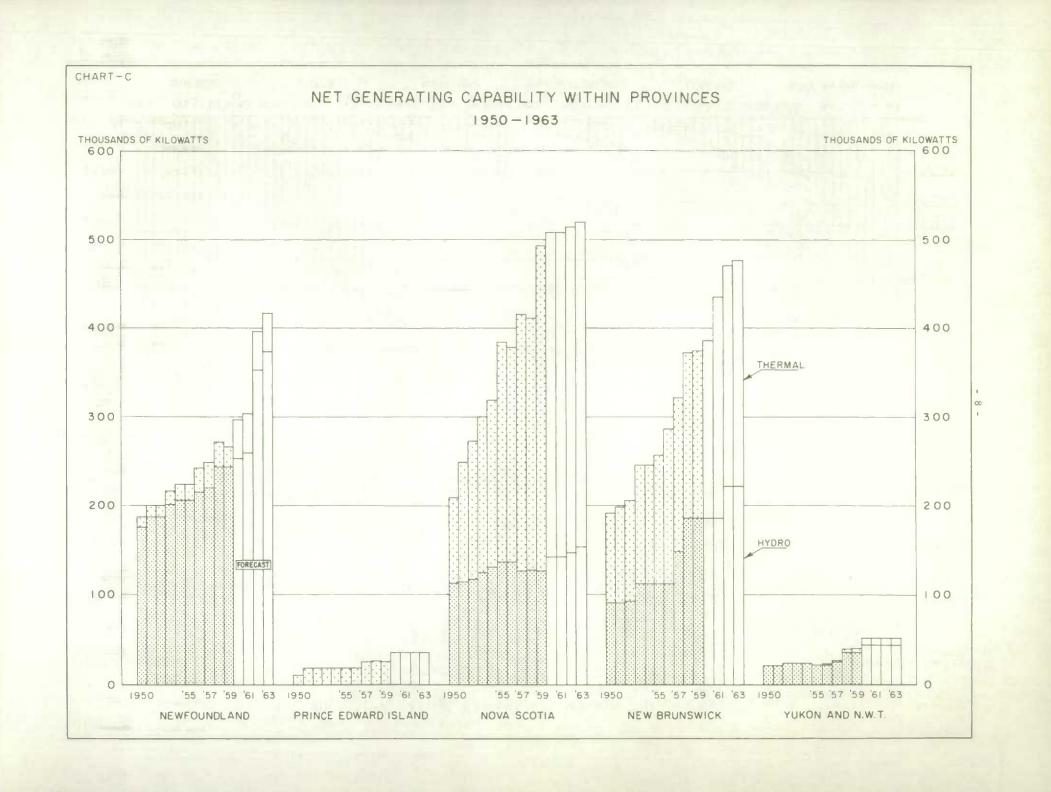
UTILITY

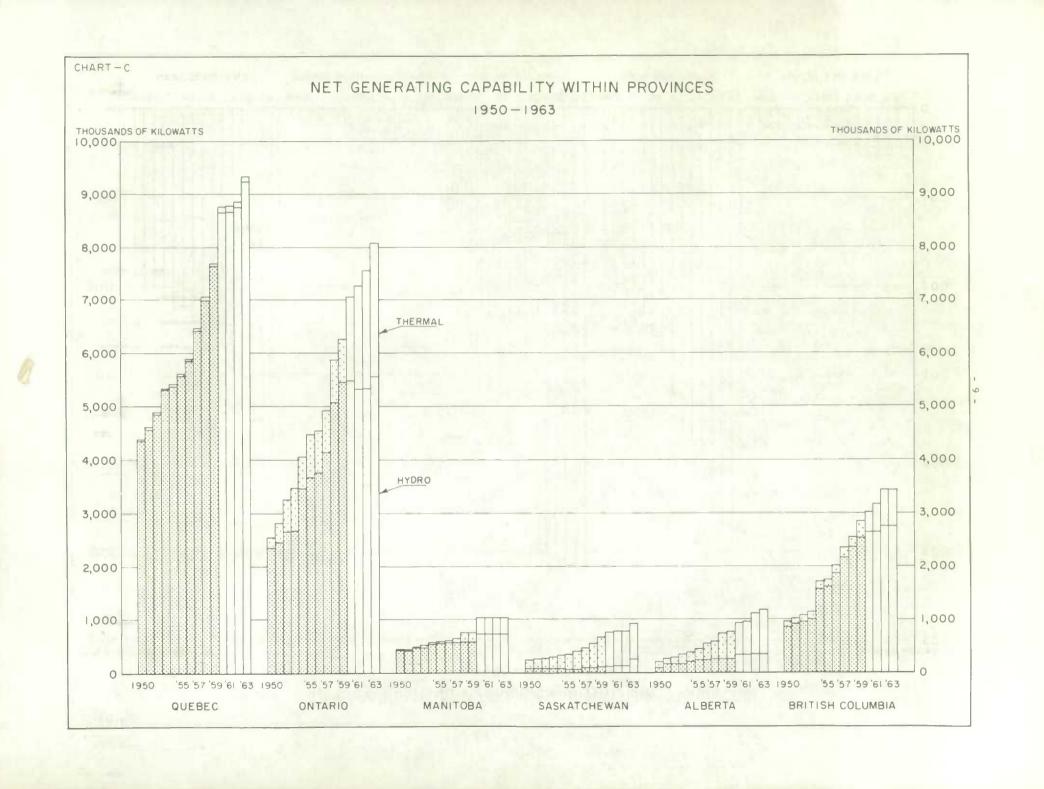
The Company, Commission, or UTILITY reporting or included in a SYSTEM report under Section IV (which generates at least part of its own power).

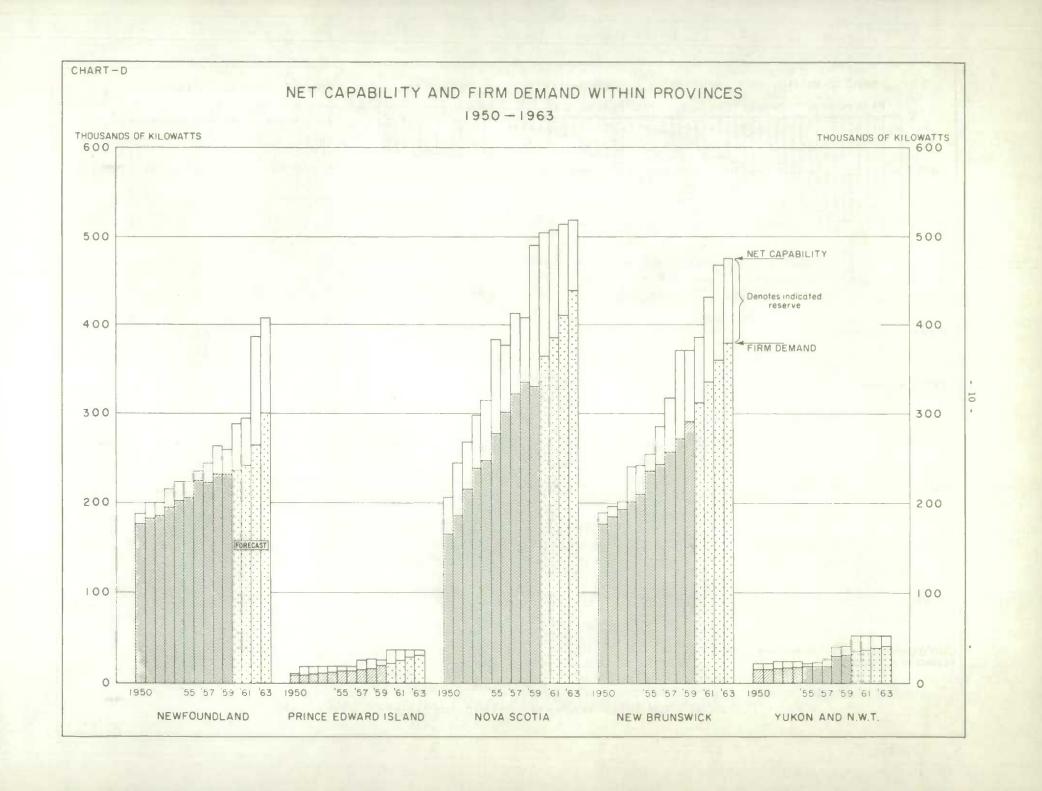


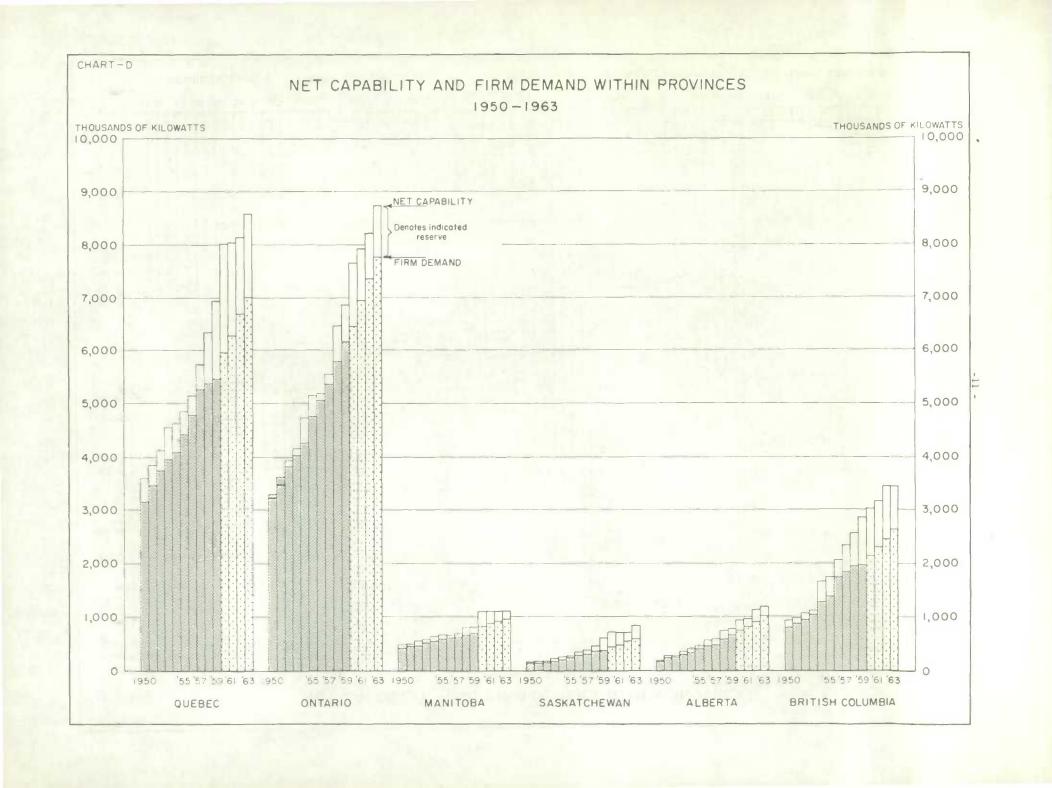
- 7 -











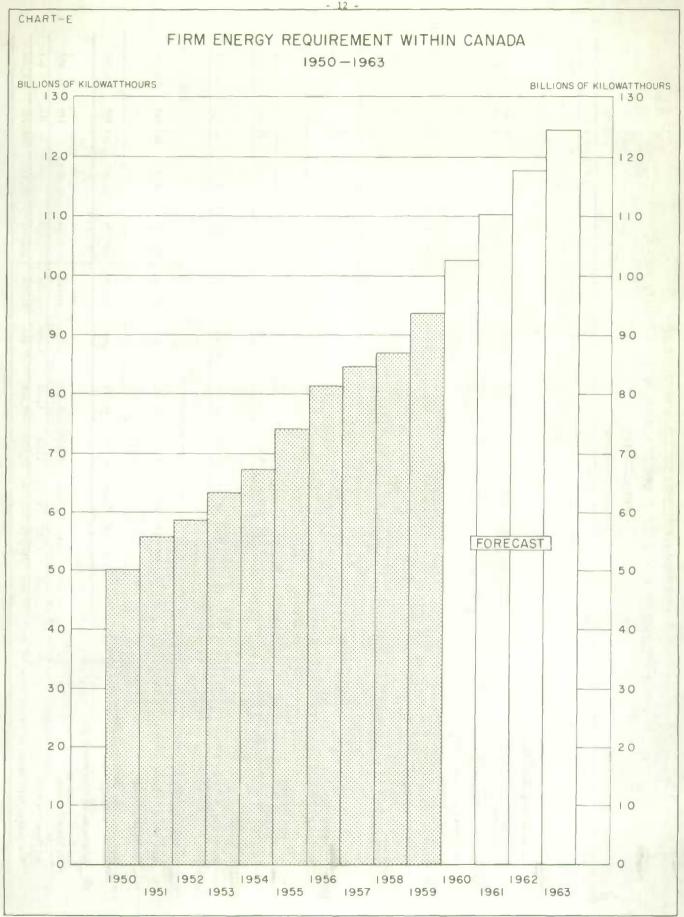


TABLE I

SUMMARY - CANADA

Thousands of kilowatts

										F O R	ECAST	
		1950	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
APAB	ILITY:											
1.	Net generating capability:											
	(a) Hydro (b) Thermal	8,575 788	11,719	12,211 1,936	12,841 2,142	14,143 2,326	15,912 2,716	17,086 3,119	18,573 4,268	18,413 4,916	18,737 5,524	19,605
2.	Receipts of firm power from:											
	(a) Other provinces (b) United States	- :	4	5	56		-	-	-	-	-	1
3.	Deliveries of firm power to:								-			
	(a) Other provinces (b) United States	176	176	166	147	150	152	152	152	106	106	106
4.	Net capability (1 + 2 - 3)	9,187	13,156	13,986	14,892	16,319	18,476	20,053	22,689	23,223	24,155	25,381
TRM I	POWER FEAK LOAD:					ACTUAL				FOR	ECAST	
	Within Canada	8,313	11,355	12,472	13,668	14,664	15,568	16,201	17,529	18,710	19,999	21,170
6.	Indicated shortage	217	4	64	47	2	-	٠	-	-	-	
7.	Indicated demand within Canada (5 + 6)	8,530	11,359	12,536	13,715	14,666	15,568	16,201	17,529	18,710	19,999	21,170
NDICA	ATED RESERVE:											
8.	Difference (4 - 7)	+ 657	+1,797	+1,450	+1,177	+1,653	+2,908	+3,852	+5,160	+4,513	+4,156	+4,211
					MI	LLIONS	OF	CILOWA	тт- но	URS		
IRM E	ENERGY REQUIREMENT:								1			
9.	Firm energy requirement within Canada	49,627	67,317	73 748	79,913	84,222	87,102	93,656	102,794	110,287	117,869	124,743
10.	Indicated shortage	378	11	378	1,546	554		40	-			
11.	Indicated firm energy requirement within Canada $(9 + 10)$	50,005	67,328	74,126	81,459	84,776	87,102	93,656	102,794	110,287	117,869	124,743
12.	Deliveries of firm energy to:											
	(a) Other provinces (b) United States	1,418	1,357	1,332	1,226	1,172	1,264	1,253	1,251	946	844	843
	(c) Total (a + b)	1,418	1,357	1,332	1,226	1,172	1,264	1,253	1,251	946	844	843
13.	Firm energy requirement on Canada (11 + 12)	51,423	68,685	75,458	82,685	85,948	88,366	94,909	104,045	111,233	118,713	125,586

TABLE I

SUMMARY - NEWFOUNDLAND (including Labrador)

Thousands of kilowatts

				2056	1067	1958	1959		FORE	CAST	
	1950	1954	1955	1956	1957	1430	1,909	1960	1961	1962	1963
CAPABILITY:											
1. Net generating capability:											
(a) Hydro (b) Thermal	176 12	207 16	207 16	215 27	220 29	243 28	243 24	252 45	259 44	352 44	373 44
2. Receipts of firm power from:											
(a) Other provinces (b) United States	-	-				-	-		-	•	-
3. Deliveries of firm power to:											
(a) Other provinces (b) United States	-	-	-	6	6	8 -	7	8	9	9 -	9
4. Net capability (1 + 2 - 3)	188	223	223	236	243	263	260	289	294	387	408
				ACTU	L				FORE	CAST	
FIRM POWER PEAK LOAD:											
5. Within province	177	201	206	222	222	231	231	237	241	264	300
6. Indicated shortage		1	1	2	-	-	-			-	-
7. Indicated demand within province (5 + 6) INDICATED RESERVE:	177	202	207	224	222	231	231	237	241	264	300
8. Difference (4 - 7)	+ 11	+ 21	+ 16	+ 12	+ 21	+ 32	+ 29	+ 52	+ 53	+ 123	+ 108
				MIL	LIONS	0 F K	LLOWAT	T - H O U R	S		
FIRM ENERGY REQUIREMENT:											
9. Firm energy requirement within province	1,058	1,225	1,289	1,374	1,333	1,320	1,369	1,424	1,496	1,683	1,885
10. Indicated shortage		9	10	_	-	-		-	-	-	-
 Indicated firm energy requirement within province (9 + 10) 	1,058	1,234	1,299	1,374	1,333	1,320	1,369	1,424	1,496	1,683	1,885
12. Deliveries of firm energy to:							-				
(a) Other provinces (b) United States	•	-	-	31	46	44	33	34	35	36	37
(c) Total (a + b)	•	-		31	46	44	33	34	35	36	37
13. Firm energy requirement on the province (11 + 12)	1,058	1,234	1,299	1,405	1,379	1,364	1,402	1,458	1,531	1,719	1,922

TABLE I

SUMMARY - PRINCE EDWARD ISLAND

									FORE	CAST	
	1950	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
CAPABILITY:								1900	1901	1702	2,703
1. Net generating capability:											
(a) Hydro (b) Thermal	10	18	18	18	25	26	25	37	37	37	37
2. Receipts of firm power from:											
(a) Other provinces (b) United States	-	-	-		-	-	-	-	:	-	
3. Deliveries of firm power to:											
(a) Other provinces(b) United States	-	-	-	*	-			-		-	-
4. Net capability (1 + 2 - 3)	10	18	18	18	25	26	25	37	37	37	37
				ACT	JAL				FORE	CAST	
FIRM POWER PEAK LOAD:											
5. Within province	8	11	12	12	14	16	19	21	24	28	30
6. Indicated shortage	_	-		-		*	-	-		-	
7. Indicated demand within province (5 + 6)	8	11	12	12	14	16	19	21	24	28	30
INDICATED RESERVE:											
8. Difference (4 - 7)	+ 2	+ 7	+ 6	+ 6	+ 11	+ 10	+ 6	+ 16	+ 13	+ 9	+ 7_
				MILI	LIONS	OF KILO	WATT-	HOURS			
FIRM ENERGY REQUIREMENT:											
9. Firm energy requirement within province	31	46	51	53	60	69	81	85	96	108	118
10. Indicated shortage		•	-		-	-	-	-			
 Indicated firm energy requirement within province (9 + 10) 	31	46	51	53	60	69	81	85	96	108	118
12. Deliveries of firm energy to:											
(a) Other provinces (b) United States	-		esp de			-	-	-		-	**
(c) Total (a + b)	-	-				<u> </u>		-		-	-
13. Firm energy requirement on the province (11 + 12)	31	46	51	53	60	69	81	85	96	108	118

TABLE I

SUMMARY - NOVA SCOTIA

Thousands of kilowatts

		1950	1954	1955	1956	1957	1958	1959		FORE	AST	
				2,00	2,50	2,31	2,550	1,557	1960	1961	1962	1963
	BILITY: Net generating capability:											
	(a) Hydro (b) Thermal	113 96	130 188	136 248	136 242	126 289	127 284	126 367	141 367	141 367	147 367	153 367
2.	Receipts of firm power from:											
	(a) Other provinces (b) United States	-	-	-	-		-	- :		-	**	-
3.	Deliveries of firm power to:											
	(a) Other provinces (b) United States	2	2	2	2	2	3	3	3 -	-		-
4.	Net capability (1 + 2 - 3)	207	316	382	376	413	408	490	505	508	514	520
					A	CTUAL				FOREC	AST	
	POWER PEAK LOAD:											
5.	Within province	163	245	278	301	322	3 3 5	330	364	386	411	439
6.	Indicated shortage	4	3	**	-	-	-	-	-	-	-	q4
7.	Indicated demand within province (5 + 6)	167	248	278	301	322	335	330	364	386	411	439
INDI	CATED RESERVE:											
8.	Difference (4 - 7)	+ 40	+ 68	+ 104	+ 75	+ 91	+ 73	+ 160	+ 141	+ 122	+ 103	+ 81
FIRM	ENERGY REQUIREMENT:				MIL	LIONS	OF KIL	OWATT-	HOURS			
9.	Firm energy requirement within province	874	1,253	1,340	1,464	1,447	1,551	1,634	1,722	1,822	1,929	2,046
10.	Indicated shortage	-	*	-	-	-	**	•	-	-	**	-
11.	Indicated firm energy requirement within province (9 + 10)	874	1,253	1,340	1,464	1,447	1,551	1,634	1,722	1,822	1,929	2,046
12.	Deliveries of firm energy to:											
	(a) Other provinces (b) United States	6 -	7 -	8 -	8 -	8 -	10	14	15			-
	(c) Total (a + b)	6	7	8	8	В	10	14	15	-		-
13.	Firm energy requirement on the province (11 + 12)	880	1,260	1,348	1,472	1,455	1,561	1,648	1,737	1,822	1,929	2,046

TABLE I

SUMMARY - NEW BRUNSWICK

Thousands of kilowatts

		1950	1954	1955	1956	1957	1958	1959		FOREC	AST	
				2003					1960	1961	1962	196
APAE	ILITY:											
1.	Net generating capability:							- 11				
	(a) Hydro (b) Thermal	90 102	112 132	112 144	112 174	148 173	185 187	185 188	185 201	185 249	221 249	22 25
2.	Receipts of firm power from:											
	(a) Other provinces (b) United States	2	2	4	5	5	8	7	8 -	5	6	
3,	Deliveries of firm power to:											
	(a) Other provinces (b) United States	5	5	5	5	8	9	9	9	8	8	
4.	Net capability (1 + 2 - 3)	189	241	255	286	318	371	371	385	431	468	4
					ACTU	L				FOREC	AST	
IRM	POWER PEAK LOAD:											
5.	Within province	177	210	235	243	258	273	291	312	337	360	3
6.	Indicated shortage		-	1	-	-	-	-	•		_	
7.	Indicated demand within province (5 + 6)	177	210	236	243	258	273	291	312	337	360	3
NDI	CATED RESERVE:											
8,	Difference (4 - 7)	+ 12	+ 31	+ 19	+ 43	+ 60	+ 98	+ 80	+ 73	+ 94	+108	+
IRM	ENERGY REQUIREMENT:				MIL	LIONS	OF KIL	OWATT-	HOURS			
	Firm energy requirement within province	970	1,199	1,248	1,275	1,347	1,402	1,523	1,753	1,902	2,008	2,1
10.	Indicated shortage		-		-	_		-		-	_	
11.	Indicated firm energy requirement within province (9 + 10)	970	1,199	1,248	1,275	1,347	1,402	1,523	1,753	1,902	2,008	2,1
12.	Deliveries of firm energy to:											
	(a) Other provinces (b) United States	41	59	33	32	29	63	51	49	47	45	
	(c) Total (a + b)	41	59	33	32	29	63	51	49	47	45	
13.	Firm energy requirement on the province (11 + 12)	1,011	1,258	1,281	1,307	1,376	1,465	1,574	1,802	1,949	2,053	2,1

TABLE I

SUMMARY - QUEBEC

				Thousands	of kilow	atts						
		1950	1954	1955	1956	1957	1958	1959		FOR	ECAST	
		1750	2,754	1900	1730	1737	1930	1939	1960	1961	1962	1963
APA	BILITY:											
	Net generating capability:											
1.												
	(a) Hydro (b) Thermal	4,370	5,378 35	5,583	5,854 36	6,406	6,992 61	7,612 69	8,656 105	8,677 105	8,767 112	9,217
2.	Receipts of firm power from:											
	(a) Other provinces (b) United States	1	1 4	1 5	7	7	9	9	10	11	11	11
3.	Deliveries of firm power to:											
	(a) Other provinces* (b) United States	732 56	719 56	729 56	691 56	694 56	673 57	696 57	699 57	700 57	702 57	703 57
4.	Net capability (1 + 2 - 3)	3,609	4,643	4,840	5,154	5,718	6,332	6,937	8,015	8,036	8,131	8,580
					ACTU	AL				FOR	ECAST	
IRM	POWER PEAK LOAD:											
5.	Within province	3,174	4,092	4,367	4,749	5,256	5,375	5,466	5,959	6,284	6,691	7,000
6.	Indicated shortage		-	44	44	2	_	-	-	-	-	
7.	Indicated demand within province (5 + 6)	3,174	4,092	4,411	4,793	5,258	5,375	5,466	5,959	6,284	6,691	7,000
DI	CATED RESERVE:											
8.	Difference (4 - 7)	+ 435	+ 551	+ 429	+ 361	+ 460	+ 957	+1,471	+2,056	+1,752	+1,440	+1,580
TDW	ENERGY REQUIREMENT:				MIL	LIONS	OFKII	OWATT	- H O U R S			
9.	Firm energy requirement within province	20,442	27,954	29,479	30,331	30,572	31,763	33,303	38,260	40,606	43,659	45,841
0.	Indicated shortage	123	1	362	1,546	540	-	_	-	-	-	
11.	Indicated firm energy requirement within province (9 + 10)	20,565	27,955	29,841	31,877	31,1 3	31,763	33,303	38,260	40,606	43,659	45,841
12.	Deliveries of firm energy to:											
	(a) Other provinces* (b) United States	4,425	4,331 490	4,260	4,117 491	4,075 485	4,205 490	4,211 492	4,217	4,229	4,241 490	4,253 471
	(c) Total (a + b)	4,915	4,821	4,750	4,608	4,560	4,695	4,703	4,707	4,719	4,731	4,744
3.	Firm energy requirement on the province (11 + 12)	25,480	32,776	34,591	36,485	35,672	36,458	38,006	42,967	45,325	48,390	50,585

^{*} Includes deliveries supplied from Cedars on a short term basis.

TABLE I

SUMMARY - ONTARIO

				Inousanus	OI KILOWALLE							
		1950	1954	1955	1956	1957	1958	1959		FORE	CAST	
								2,3,3	1960	1961	1962	1963
CAPA	BILITY:									3 1		
1.	Net generating capability:											
	(a) Hydro (b) Thermal	2,367 199	3,481 607	3,688 800	3,778 787	4,145 787	5,081 800	5,467 808	5,495 1,5 5	5,304 1,958	5,312 2,241	5,569 2,523
2.	Receipts of firm power from:											
	(a) Other provinces*(b) United States	741	732	741	702	705	668	692	694	695	696	697
3.	Deliveries of firm power to:											
	(a) Other provinces (b) United States	1 85	1 85	1 85	1 86	1 86	1 86	2 86	2 86	2 41	2 41	2 41
4.	Net capability (1 + 2 - 3)	3,221	4,734	5,143	5,180	5,550	6,462	6,879	7,666	7,914	8,206	8,746
					ACTUA	L				FORE	CAST	
FIRM	POWER PEAK LOAD:											
5.	Within province	3,078	4,261	4,757	5,064	5,369	5,794	6,154	6,470	6,920	7,375	7,775
6.	Indicated shortage	213	-	18	-		-	-	-		-	-
7.	Indicated demand within province (5 + 6)	3,291	4,261	4,775	5,064	5,369	5,794	6,154	6,470	6,920	7,375	7,775
INDI	CATED RESERVE:											
8.	Difference (4 - 7)	- 70	+ 473	+ 368	+ 116	+ 181	+ 668	+ 725	+1,196	+ 994	+ 831	+ 971
					HILL	IONS O	FKILO	WATT-H	OURS			
FIRM	ENERGY REQUIREMENT:											
9.	Firm energy requirement within province	18,016	23,928	26,376	28,875	30,768	31,401	34,844	36,612	38,996	41,411	43,690
10.	Indicated shortage	255	1	6	*	-	-	-	-	-		10
11.	Indicated form energy requirement within province (9 + 10)	18,271	23,929	26,382	28,875	30,768	31,401	34,844	36,612	38,996	41,411	43,690
12.	Deliveries of firm energy to:											
	(a) Other provinces (b) United States	2 703	3 624	3 687	703	4 658	711	5 710	5 712	5 409	309	5 309
	(c) Total (a + b)	705	627	690	707	662	716	715	717	414	314	314
13.	Firm energy requirement on the province (11 + 12)	18,976	24,556	27,072	29,582	31,430	32,117	35,559	37,329	39,410	41,725	44,004

^{*} Includes deliveries received from Cedars on a short term basis.

TABLE I

SUMMARY - MANITOBA

	eri pub i											
		1950	1954	1955	1956	1957	1958	1959		FORE	CAST	
									1960	1961	1962	1963
CAPAB	ILITY:											
1.	Net generating capability:											
	(a) Hydro (b) Thermal	418	522 46	547 46	556 46	561 78	566 168	566 168	723 294	723 294	723 294	723 294
2.	Receipts of firm power from:							-				
	(a) Other provinces (b) United States	68	80	79	64	69	68	72	73	76	76	76
3.	Deliveries of firm power to:											
	(a) Other provinces (b) United States	9	13	14	14	14	100 M		-	-	•	-
4.	Net capability (1 + 2 - 3)	487	635	658	652	694	802	806	1,090	1,093	1,093	1,093
	-		·		ACTU	AL				FORE	CAST	
FIRM	POWER PEAK LOAD:											
5.	Within province	419	533	594	605	608	646	690	814	884	924	969
6.	Indicated shortage	-	-		-	•		-	-	۰	-	
7.	Indicated demand within province (5 + 6)	419	533	594	605	608	646	690	814	884	924	969
INDIC	ATED RESERVE:					-						
8.	Difference (4 - 7)	+ 68	+ 102	+ 64	+ 47	+ 86	+ 156	+ 116	+ 276	+ 209	+ 169	+ 124
					MII	LIONS	OF KIL	OWATT-	HOURS			
FIRM	ENERGY REQUIREMENT:											
9.	Firm energy requirement within province	2,218	2,886	3,122	3,414	3,435	3,557	3,828	4,224	5,067	5,268	5,569
10.	Indicated shortage		*		-	-	-	-	-		-	-
11.	Indicated firm energy requirement within province (9 + 10)	2,218	2,886	3,122	3,414	3,435	3,557	3,828	4,224	5,067	5,268	5,569
12.	Deliveries of firm energy to:							C				
	(a) Other provinces (b) United States	79	114	114	94	136		-		-		eb 10
	(c) Total (a + b)	79	114	114	94	136		-	-		3 -	_
13.	Firm energy requirement on the province (11 + 12)	2,297	3,000	3,236	3,508	3,571	3,557	3,828	4,224	5,067	5,268	5,569

TABLE I

SUMMARY - SASKATCHEWAN

Thousands of kilowatts

				Inousanus	OI KITOWALE	B						
	percentage of the second	1950	1954	1955	1956	1957	1958	1959		FORE	CAST	
									1960	1961	1962	1963
APAE	ILITY:											
1.	Net generating capability:											
	(a) Hydro (b) Thermal	85 129	85 243	82 257	82 320	87 376	87 451	88 583	108 669	111 669	111 669	245 669
2.	Receipts of firm power from:											
	(a) Other provinces (b) United States	-		-	-	-	1	1 -	1 -		-	
3.	Deliveries of firm power to:											
	(a) Other provinces (b) United States	68	80	79	64	69	68	72	73	76	76	76 -
4.	Net capability (1 + 2 - 3)	146	248	260	338	394	471	600	705	704	704	838
	POWER PEAK LOAD:	-			ACTUA	L			FOR	ECAST		
5.	Within province	128	196	227	278	299	353	377	430	479	538	596
6.	Indicated shortage	-	-	*	-		•	-	-		-	_
7.	Indicated demand within province (5 + 6)	128	196	227	278	299	353	377	430	479	538	5 9 6
DIC	ATED RESERVE:											
8.	Difference (4 - 7)	+ 18	+ 52	+ 33	+ 60	+ 95	+ 118	+ 223	+ 275	+ 225	+ 166	+ 242
						TONG O		/1 / / / / / / / / / / / / / / / / / /	0.11.0.0			
RM	ENERGY REQUIREMENT:				MILL	IONS O	FKILU	WATT-H	OURS			
	Firm energy requirement within province	405	742	877	1,047	1,276	1,422	1,527	1,709	1,917	2,142	2,395
	Indicated shortage	-		-	_		_			.,,,,,	2,272	2,373
	Indicated firm energy requirement within province (9 + 10)	405	742	877	1,047	1,276	1,422	1,527	1,709	1,917	2,142	2,395
2.	Deliveries of firm energy to:		2									
	(a) Other provinces (b) United States	500	558	571	554	503	504	517	520	530	530	530
	(c) Total (a + b)	500	558	571	554	503	504	517	520	530	530	530
13.	Firm energy requirement on the province (11 + 12)	905	1,300	1,448	1,601	1,779	1,926	2,044	2,229	2,447	2,672	2,925

TABLE I

SUMMARY - ALBERTA

Thousands of kilowatts

	1050	105/	1055	1056	1057	7050	1050		FORE	CAST	
	1950	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963
CAPABILITY:											
1. Net generating capability:											
(a) Hydro (b) Thermal	83 108	202 194	220 238	220 338	238 350	238 496	238 530	318 604	318 645	319 795	319 869
2. Receipts of firm power from:											
(a) Other provinces(b) United States	-	4	-	4 -	4 -	4 -	3	3	2	1.	-
3. Deliveries of firm power to:											
(a) Other provinces (b) United States	3	-	3 -	•	-	1	1 -	1	*		-
4. Net capability (1 + 2 - 3)	188	400	455	562	592	737	770	924	965	1,115	1,188
				ACTU	A L				FORE	CAST	
FIRM POWER PEAK LOAD:											
5. Within province	176	313	391	451	476	580	649	729	809	899	1,000
6. Indicated shortage	-	-	-	-	-	-	-	-	-		-
7. Indicated demand within province (5 + 6)	176	313	391	451	476	580	649	729	809	899	1,000
INDICATED RESERVE:											
8. Difference (4 - 7)	+ 12	+ 87	+ 64	+ 111	+ 116	+ 1.57	+ 121	+ 195	+ 156	+ 216	+ 188
				MIL	LIONS	OF KIL	OWATT-	HOURS			
FIRM ENERGY REQUIREMENT:											
9. Firm energy requirement within province	1,023	1,581	1,859	2,180	2,424	2,760	3,156	3,534	3,936	4,375	4,843
10. Indicated shortage	-		-		•	-	-			_	-
 Indicated firm energy requirement within province (9 + 10) 	1,023	1,581	1,859	2,180	2,424	2,760	3,156	3,534	3,936	4,375	4,843
12. Deliveries of firm energy to:											
(a) Other provinces(b) United States	14	-	-	-	-		5	2	-		-
(c) Total (a + b)	14	_		-	-	40	5	2	-	-	
 Firm energy requirement on the province (11 + 12) 	1,037	1,581	1,859	2,180	2,424	2,760	3,161	3,536	3,936	4,375	4,843

TABLE I

SUMMARY - BRITISH COLUMBIA

Thousands of kilowatts

		1950	1954	1955	1956	1957	1958	1959		F O R	ECAST	
									1960	1961	1962	1963
	BILITY: Net generating capability:											
	(a) Hydro (b) Thermal	852 96	1,578 130	1,614	1,866 153	2,187 163	2,356 212	2,524 353	2,651 372	2,651 539	2,741 707	2,741 702
2.	Receipts of firm power from:											
	(a) Other provinces (b) United States	3	- 0	3	52				-		-	
3.	Deliveries of firm power to:											
	(a) Other provinces (b) United States	30	4 30	20	4	4	4	3	3	2	1	
4.	Net capability (1 + 2 - 3)	921	1,674	1,730	2,067	2,346	2,564	2,874	3,020	3,188	3,447	3,443
					ACTU	L			PORE	CAST		
FIRM	POWER PEAK LOAD:											
5.	Within province	799	1,275	1,386	1,724	1,821	1,935	1,963	2,158	2,309	2,470	2,640
6.	Indicated shortage				1	-					-	
7.	Indicated demand within province (5 + 6)	799	1,275	1,386	1,725	1,821	1,935	1,963	2,158	2,309	2,470	2,640
INDI	CATED RESERVE:											
8.	Diffarence (4 - 7)	+ 122	+ 399	+ 344	+ 342	+ 525	+ 629	+ 911	+ 862	+ 879	+ 977	+ 803
					MILLI	ONS OF	KILO	WATT-HO	DURS			
IRM	ENERGY REQUIREMENT:											
9.	Firm energy requirement within province	4,523	6,414	8,011	9,802	11,445	11,726	12,234	13,290	14,263	15,092	16,041
10.	Indicated shortage					14		_				
11.	Indicated firm energy requirement within province (9 + 10)	4,523	6,414	8,011	9,802	11,459	11,726	12,234	13,290	14,263	15,092	16,041
12.	Deliveries of firm energy to:											
	(a) Other provinces (b) United States	184	10 184	10 122	10	9	6	6	5	5 -	4 -	3 -
	(c) Total (a + b)	184	194	132	10	9	6	6	5	5	4	3
13.	Firm energy requirement on the province (11 + 12)	4,707	6,608	8,143	9,812	11,468	11,732	12,240	13,295	14,268	15,096	16,044

23

TABLE I

SUMMARY - YUKON AND NORTHWEST TERRITORIES

Thousands of kilowatts

		1950	1954	1955	1956	1957	1958	1959		FORE	CAST				
									1960	1961	1962	1963			
CAPABII	LITY:														
1. N	let generating capability:														
	(a) Hydro (b) Thermal	21	24	22	22	25 1	37 3	37 4	44	44 9	44	9			
2. F	Receipts of firm power from:														
	(a) Other provinces (b) United States		-	-	-		:		-	-	-	-			
3. I	Deliveries of firm power to:														
	(a) Other provinces (b) United States	-		-	-	-	-	-	-	-		:			
4. 1	Net capability (1 + 2 - 3)	21	24	22	23	26	40	41	53	53	53	53			
		-			ACTU	A L				FORE	CAST				
ERM PO	OWER PEAK LOAD:								1						
5. 1	Within province	14	18	19	19	19	30	31	35	37	39	41			
6.	Indicated shortage			-	-	-	-	-	-	-	-	-			
7.	Indicated demand within province (5 + 6)	14	18	19	19	19	30	31	35	37	39	41			
NDICA'	TED RESERVE:														
8.	Difference (4 - 7)	+ 7	+ 6	+ 3	+ 4	+ 7	+ 10	+ 10	+ 18	+ 16	+ 14	+ 12			
			4		MIL	LIONS	0 F K	LOWAT	T - H O U I	R S					
IRM E	NERGY REQUIREMENT:														
9.	Firm energy requirement within province	67	89	96	98	115	131	157	181	186	194	200			
10.	Indicated shortage	69	-	-	-	-	-	-	-	-	-				
	Indicated firm energy requirement within province (9 + 10)	67	89	96	98	115	131	157	181	186	194	200			
12.	Deliveries of firm energy to:														
	(a) Other provinces (b) United States	-	-	-	-	-	-	-		-	-	-			
	(c) Total (a + b)	-		-	-	-	-	-	-	-	-	-			
	Firm energy requirement on the province (11 + 12)	67	89	96	98	115	131	157	181	186	194	200			

TABLE II

NET GENERATING CAPABILITY WITHIN PROVINCES*

								had be	FORE	CAST		PERC	ENTAGE CH	ANGE
PROVINCE	1950	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1955- 1959	1959- 1963	1955- 1963
											= 1 //			
ewfoundland (including Labrador)	188	223	223	242	249	271	267	297	303	396	417	19.7	56.2	87.0
rince Edward Island	10	18	18	18	25	26	25	37	37	37	37	38.9	48.0	105.
lova Scotia	209	318	384	378	415	411	493	508	508	514	520	28.4	5.5	35.4
New Brunswick	192	244	256	286	321	372	373	386	434	470	477	45.7	27.9	86.3
)uebec	4,396	5,413	5,619	5,890	6,461	7,053	7,681	8,761	8,782	8,879	9,329	36.7	21.4	66.0
Untario	2,566	4,088	4,488	4,565	4,932	5,881	6,275	7,060	7,262	7,553	8,092	39.8	28.9	80.3
ianitoba	428	568	593	602	639	734	734	1,017	1,017	1,017	1,017	23.8	38.5	70.9
askatchewan	214	328	339	402	463	538	671	777	780	780	914	68.4	36.2	169.6
lberta	191	396	458	558	588	734	768	922	963	1,114	1,188	67.7	54.7	159.
British Columbia	948	1,708	1,747	2,019	2,350	2,568	2,877	3,023	3,190	3,448	3,443	64.7	19.7	97.
lukon and N.W.T.	21	24	22	23	26	40	41	53	53	53	53	86.4	29.3	140.
CANADA	9,363	13,328	14,147	14,983	16,469	18,628	20,205	22,841	23,329	24,261	25,487	42.8	26.1	80.

^{*} Hydro plus thermal (Table I, item 1 a + 1 b).

TABLE III

FIRM POWER PEAK LOAD WITHIN PROVINCES*

									FORE	CAST		PERC	ENTAGE CHA	NGE
PROVINCE	1950	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1955- 1959	1959 - 1963	1955 - 1963
ewfoundland (including Labrador)	177	202	207	224	222	231	231	237	241	264	300	11.6	29.9	44.9
rince Edward Island	8	11	12	12	14	16	19	21	24	28	30	58.3	57.9	150.0
ova Scotia	167	248	278	301	322	335	330	364	386	411	439	18.7	33.0	57.9
ew Brunswick	177	210	236	243	258	273	291	312	337	360	380	23.3	30.6	61.0
uebec	3,174	4,092	4,411	4,793	5,258	5,375	5,466	5,959	6,284	6,691	7,000	23.9	28.1	58.7
ntario	3,291	4,261	4,775	5,064	5,369	5,794	6,154	6,470	6,920	7,375	7,775	28.9	26.3	62.8
anitoba	419	533	594	605	608	646	690	814	884	924	969	16.2	40.4	63.1
askatchewan	128	196	227	278	299	353	377	430	479	538	596	66.1	58.1	162.5
lberta	176	313	391	451	476	580	649	729	809	899	1,000	66.0	54.1	155.7
ritish Columbia	799	1,275	1,386	1,725	1,821	1,935	1,963	2,158	2,309	2,470	2,640	41.6	34.5	90.5
ukon and N.W.T.	14	18	19	19	19	30	31	35	37	39	41	63.1	32.2	115.8
ANADA	8,530	11,359	12,536	13,715	14,666	15,568	16,201	17,529	18,710	19,999	21,170	29.2	30.7	68.9

^{*} Indicated Firm Demand (Table I, item 7).

TABLE IV

FIRM ENERGY REQUIREMENT WITHIN PROVINCES*

Millions of Kilowatt Hours

									FORE	CAST		PERC	ENTAGE CHA	ANGE
PROVINCE	1950	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1955- 1959	1959 - 1963	1955- 1963
Newfoundland (including Labrador)	1,058	1,234	1,299	1,374	1,333	1,320	1,369	1,424	1,496	1,683	1,885	5.4	37.7	45.1
rince Edward Island	31	46	51	53	60	69	81	85	96	108	118	58.8	45.7	131.4
lova Scotia	874	1,253	1,340	1,464	1,447	1,551	1,634	1,722	1,822	1,929	2,046	21.9	25.2	52.7
lew Brunswick	970	1,199	1,248	1,275	1,347	1,402	1,523	1,753	1,902	2,008	2,115	22.0	38.9	69.5
uebec	20,565	27,955	29,841	31,877	31,112	31,763	33,303	38,260	40,606	43,659	45,841	11.6	37.6	53.6
ntario	18,271	23,929	26,382	28,875	30,768	31,401	34,844	36,612	38,996	41,411	43,690	32.1	25.4	65.6
anitoba	2,218	2,886	3,122	3,414	3,435	3,557	3,828	4,224	5,067	5,268	5,569	22.6	45.5	78.4
askatchewan	405	742	877	1,047	1,276	1,422	1,527	1,709	1,917	2,142	2,395	74.1	56.8	173.1
lberta	1,023	1,581	1,859	2,180	2,424	2,760	3,156	3,534	3,936	4,375	4,843	69.8	53.4	160.5
ritish Columbia	4,523	6,414	8,011	9,802	11,459	11,726	12,234	13,290	14,263	15,092	16,041	52.7	31.1	100.2
ukon and N.W.T.	67	89	96	98	115	131	157	181	186	194	200	63.5	27.4	108.3
ANADA	50,005	67,328	74,126	81,459	84,776	87,102	93,656	102,794	110,287	117,869	124,743	26.3	33.2	68.3

^{*} Table I, item 11.

TABLE V

INDICATED RESERVE*

								-6		FORE	CAST	28.4	PERCE	NTAGE CHA	NGE
p ·	ROVINCE	1950	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1955- 1959	1959- 1963	1955- 1963
36	undland								- 0.0						
	cluding Labrador)							1400				100			
1.	Gross capability	188	223	223	242	249	271	267	297	303	396	417	19.7	56.2	87.0
2.	Total firm demand on the province	177	202	207	230	228	239	238	245	250	273	309	15.0	29.8	49.3
								_							
3.	Indicated reserve (1 - 2) Indicated reserve expressed as a %	11	21	16	12	21	32	29	52	53	123	108	жж	жж	ххх
	of total firm demand	6.2	10.4	7.7	5.2	9.2	13.4	12.2	21,2	21.2	45.0	34.9	XXX	жж	ххх
rinc	e Edward Island														
1.	Gross capability	10	18	1.6	18	25	26	25	37	37	37	37	38.9	48.0	105.5
2.	Total firm demand on the province	8	11	12	12	14	16	19	21	24	28	30	58.3	57.9	150.0
3.	Indicated reserve (1 - 2) Indicated reserve expressed as a %	2	7	6	6	11	10	6	16	13	9	7	жж	XXX	XXX
4.	of total firm demand	25.0	63.6	50.0	50.0	78.6	62.5	31.6	76.2	54.2	32.1	23.3	XXX	жж	ххх
ova	Scotia				-										
1.	Gross capability	209	318	384	378	415	411	493	508	508	514	5.00	28.4		0.5
2.	Total firm demand on the province	169	250	280	303	324	338	333	367	386	411	520 439	18.9	5.5 31.8	35.4 56.8
3.	Indicated reserve (1 - 2) Indicated reserve expressed as a %	40	68	104	75	91	73	160	141	122	103	81	жж	ххх	жж
7.	of total firm demand	23.7	27.2	37.1	24.8	28.1	21.6	48.0	38.4	31.6	25.1	18.4	ххх	xxx	ххх
			-												
ew B	runswick														
1.	Gross capability	194	246	260	291	326	380	380	394	439	476	483	46.1	27.1	85.8
2.	Total firm demand on the province	182	215	241	248	266	282	300	321	345	368	388	24.5	29.3	61.0
3.	Indicated reserve (1 - 2)	12	31	19	43	60	98	80	73	94	108	95	xxx	жж	300
4.	Indicated reserve expressed as a % of total firm demand	6.6	14.4	7.9	17.3	22.6	34.8	26.7	22.7	27.2	29.3	24.5	жж	жк	3(3(3)

^{*} Gross capability (Table I, item 1 + 2) less total firm demand on the provinces (Table I, item 7 + 3).

TABLE V

INDICATED RESERVE*

Thousands of Kilowatts

									FORE	CAST		PERCEN	TAGE CHA	NGE
PROVINCE	1950	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1955- 1959	1959- 1963	1955- 1963
uebec									THE R					
1. Gross capability 2. Total firm demand on the province	4,397 3,962	5,418 4,867	5,625 5,196	5,901 5,540	6,468 6,008	7,062 6,105	7,690 6,219	8,771 6,715	8,793 7,041	8,890 7,450	9,340 7,760	36.7 19.7	21.4	66.0 49.3
3. Indicated reserve (1 - 2) 4. Indicated reserve expressed as a %	435	551	429	361	460	957	1,471	2,056	1,752	1,440	1,580	жж	жж	100
of total firm demand	11.0	11.3	8.3	6.5	7.7	15.7	23.6	30.6	24.9	19.3	20.4	xxx	XXX	XXX
Ontario														
1. Gross capability 2. Total firm demand on the province	3,307 3,377	4,820 4,347	5,229 4,861	5,267 5,151	5,637 5,456	6,549 5,881	6,967 6,242	7,754 6,558	7,957 6,963	8,249 7,418	8,789 7,818	33.2 28.4	26.1 25.2	68.1
3. Indicated reserve (1 - 2)	- 70	473	368	116	181	668	725	1,196	994	831	971	жж	ххх	300
 Indicated reserve expressed as a % of total firm demand 		11.1	7.7	2.3	3.3	11.4	11.6	18.2	14.3	11.2	12.4	971 xxx xxx	жж	300
anitoba														
1. Gross capability 2. Total firm demand on the province	496 428	648 546	672 608	666 619	708 622	802 646	806 690	1,090 814	1,093 884	1,093 924	1,093 969	19.9 13.5	35.6 40.4	62.6 59.4
3. Indicated reserve (1 - 2) 4. Indicated reserve expressed as a %	68	102	64	47	86	156	116	276	209	169	124	жж	ххх	xx
of total firm demand	15.9	18.7	10.5	7.6	13.8	24.1	16.8	33.9	23.6	18.3	12.8	ж	XXX	xx
askatchewan														
Gross capability Total firm demand on the province	214 196	328 276	339 306	402 342	463 368	539 421	6 72 449	778 503	780 555	780 614	914 672	98.2 46.7	36.0 49.7	169.6
3. Indicated reserve (1 - 2) 4. Indicated reserve expressed as a %	18	52	33	60	95	118	223	275	225	166	242	жж	жж	жж
of total firm demand	20.0	21.3	12.0	17.5	25.8	28.0	49.7	54.7	40.5	27.0	36.0	XXX	XXX	xx

^{*} Gross capability (Table 1, item 1 + 2) less total firm demand on the provinces (Table 1, item 7 + 3).

29

TABLE V

INDICATED RESERVE*

									FOREC	AST		PERCE	TAGE CHA	NGE
PROVINCE	1950	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1955 - 1959	1959- 1963	1955- 1963
Alberta								- 8						
Gross capability Total firm demand on the province	191 179	400 313	458 394	562 451	592 476		771 650	925 730	965 809	1,115	1,188	68.3 65.0	54.1 53.8	159.4 153.8
 Indicated reserve (1 - 2) Indicated reserve expressed as a % of total firm demand 	12 6.7	87 27.8	64	111 24.6	116 24.4		121	195 26.7	156 19.3	216 24.0	188	XXX	XXX	XXX
British Columbia														
Gross capability Total firm demand on the province	951 829	1,708 1,309	1,750 1,406	2,071 1,729	2,350 1,825	2,568 1,939	2,877 1,966	3,023 2,161	3,190 2,311	3,448 2,471	3,443 2,640	64.4 39.8	19.7 34.3	96.7 87.8
 Indicated reserve (1 - 2) Indicated reserve expressed as a % of total firm demand 	122	399 30.5	344 24.5	342 19.8	525 28.8	629 32.4	911 46.3	862 39.9	879 38.0	977 39.5	803 30.4	XXX	XXX	XXX
Yukon and N.W.T.														
Gross capability Total firm demand on the province	21 14	24 18	22 19	23 19	26 19	40 30	41 31	53 35	53 37	53 39	53 41	86.4 63.1	29.3 32.2	140.9 115.8
 Indicated reserve (1 - 2) Indicated reserve expressed as a % of total firm demand 	7 50.0	33.3	3 15.8	21.1	7 36.8	10 33.3	10 32.2	18 51.4	16 43.2	14 35.9	12 29.3	XXX	XXX	XXX
CANADA										== : = : = : :				1 7
Gross capability Total firm demand on Canada	9,363 8,706	13,332 11,535		15,039 13,862		18,628 15,720	20,205	22,841 17,681	23,329 18,816	24,261 20,105	25,487 21,276	42.8 28.7	26.1 30.1	80.1 67.5
3. Indicated reserve (1 - 2) 4. Indicated reserve expressed as a % of total firm demand	657	1,797	1,450	1,177	1,653	2,908	3,852	5,160	4,513	4,156 20.7	4,211	XXX	ххх	XXX

^{*} Gross capability (Table 1, item 1 + 2) less total firm demand on the provinces (Table 1, item 7 + 3).

CANADIAN ELECTRICAL ASSOCIATION ELECTRIC POWER STATISTICS COMMITTEE

Chairman - Mr. G. H. Thompson, Vice President, Montreal Engineering Company Limited, Montreal, Quebec.

Vice Chairman - Mr. N. S. Crerar,
President, Saguenay Power Company Limited,
Montreal, Quebec.

Policy Sub-Committee:

Mr. G. A. Gaherty, (Chairman)
President, Calgary Power Limited,
Calgary, Alberta.

Mr. A. R. Harrington, Acting General Manager, Nova Scotia Light and Power Company Limited, Halifax, Nova Scotia.

Mr. R. E. Tweedale, Chief Engineer, New Brunswick Electric Power Commission, Fredericton, New Brunswick.

Mr. B. C. Fairchild, General Manager, Canadian Electrical Association, Montreal, Quebec.

Mr. L. O'Sullivan, Commissioner, Quebec Hydro-Electric Commission, Montreal, Quebec.

Mr. W. R. Way, Vice-President, Shawinigan Water and Power Company Limited, Montreal, Quebec.

Mr. J. M. Hambley, General Manager, Hydro-Electric Power Commission of Ontario, Toronto, Ontario.

Mr. W. D. Fallis, General Manager, Manitoba Power Commission, Winnipeg, Manitoba.

Mr. D. Cass-Beggs, General Manager, Saskatchewan Power Corporation, Regina, Saskatchewan.

Mr. J. H. Steede, Vice-President and Chief Engineer, British Columbia Electric Company Limited, Vancouver, British Columbia.

The Policy Sub-Committee serves as an over-all co-ordinating agency for these surveys, the connecting link between the Dominion Bureau of Statistics, The Canadian Electrical Association and the interests of the electric power utility industry-at-large.

CANADIAN ELECTRICAL ASSOCIATION ELECTRIC POWER STATISTICS COMMITTEE

Surveys Sub-Committee:

Mr. G. H. Thompson, (Chairman)
Vice-President, Montreal Engineering Company Limited,
Montreal, Quebec.

Mr. W. K. Murray, Nova Scotia Light and Power Company Limited, Halifax, Nova Scotia.

Mr. A. J. Cyr, New Brunswick Electric Power Commission, Fredericton, New Brunswick.

Mr. J. C. Antliff, Quebec Hydro-Electric Commission, Montreal, Quebec.

Mr. G. Boissonneault, Shawinigan Water and Power Company Limited, Montreal, Quebec.

Mr. D. King, Shawinigan Water and Power Company Limited, Montreal, Quebec.

Mr. W. S. Preston, Hydro-Electric Power Commission of Ontario, Toronto, Ontario.

Mr. C. E. Birston, Manitoba Hydro-Electric Board, Winnipeg, Manitoba.

Mr. W. A. Reed, Saskatchewan Power Corporation, Regina, Saskatchewan.

Mr. M. M. Williams, Calgary Power Limited, Calgary, Alberta.

Mr. H. W. Smith, British Columbia Engineering Company Limited, Vancouver, British Columbia.

Mr. R. H. Bradley, Dominion Bureau of Statistics, Ottawa, Ontario.

Members of the Surveys Sub-Committee serve as area representatives. The function of an area representative is primarily to act as the direct liaison between the company representatives in his area and the Dominion Bureau of Statistics on all matters relating to the power survey.

•			

STATISTICS CANADA LIBRARY
RIPLICITECUE STATISTICUE CANADA

1010700109