

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA



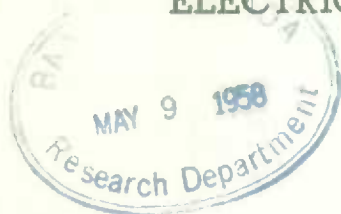
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Memorandum

ELECTRIC POWER STATISTICS

Vol. 26 No. 3

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March, 1958

Monthly electric power statistics have been published on the present basis since January 1957. The "Central Electric Stations" series discontinued at that time dealt exclusively with power produced for sale, whether by utilities or by industrial establishments servicing adjoining communities or selling small amounts of power to regular customers. Specifically excluded from the "Central Electric Stations" report was power produced by industry for own use. The revised series which includes this production is therefore a much more reliable economic indicator.

Although the revised series embraces both power produced for own use and power produced for sale it does not reflect the entire production of electric energy in Canada. In order to expedite collection and compilation of returns only firms which generate at least 10 million kilowatt hours per annum are asked to report monthly statistics. These firms, however, were found to have accounted for 98.8 per cent of total production in 1956. With the addition of new firms to the large power class and with the growth of those now included it is expected that this proportion will continue to increase from year to year.

Net generation as defined for the purpose of this series means total output less the amount used in station service. The amount made available in Canada is arrived at by deducting exports to the United States from the sum total of net generation and imports. Energy made available includes power produced for use in electric boilers, the amounts of which are reported separately for each province.

An historical series on the new basis has been compiled back to the year 1949. Canada totals appear on page 4 of this report while those for the provinces were published in a special supplement to the June 1957 report.

Total net generation of electric energy in Canada by firms which produce 10 million kilowatt hours or more per annum amounted to 8,469,394 megawatt hours in March 1958 as compared with 7,776,033 one year ago, an increase of 8.9 per cent. Imports from the United States at 12,501 mwh were down 35.8 per cent from the previous March but exports at 441,702 mwh were up 13.5 per cent. Electric energy made available for use in Canada increased 8.6 per cent to 8,040,193 mwh from 7,406,387. Of the total made available in March, 467,843 mwh were for use in electric boilers as compared with 148,406 mwh in March 1957.

Generation by utilities rose 8.4 per cent over the previous March while that by industry increased 11.0 per cent.

Provincial totals of production of electric energy during March are as follows (1957 data in brackets): Quebec, 3,747,494 mwh (3,188,106); Ontario, 2,620,590 mwh (2,580,239); British Columbia, 1,023,933 mwh (982,525); Manitoba, 309,191 mwh (302,376); Alberta, 217,984 mwh (198,189); Saskatchewan, 157,814 mwh (145,619); Nova Scotia, 131,657 mwh (130,765); New Brunswick, 124,016 mwh (112,062); Newfoundland, 121,959 mwh (122,712); Yukon and Northwest Territories, 10,147 mwh (8,789); and Prince Edward Island, 5,155 mwh (4,651).

Prepared in the Transportation and Public Utilities Section.

8504-509-38

Electric Energy Made Available
March, 1958

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	(Thousand kwh.)			
Net generation				
Utilities:				
Hydro	6,217,035	85,993	-	58,871
Thermal	388,805	3,391	5,155	59,685
Total	6,605,840	89,384	5,155	118,556
Industry:				
Hydro	1,723,755	29,912	-	3,385
Thermal	139,799	2,663	-	9,716
Total	1,863,554	32,575	-	13,101
Total net generation	8,469,394	121,959	5,155	131,657
Energy imported:				
From other provinces	xxx	1,104	-	-
From United States	12,501	-	-	-
Total	12,501	1,104	-	-
Energy exported:				
To other provinces	xxx	3,915	-	869
To United States - primary	105,809	-	-	-
secondary	335,893	-	-	-
Total	441,702	3,915	-	869
Energy made available in Canada ¹	8,040,193	119,148	5,155	130,788
Amount used in electric boilers	467,843	17,570	-	-

Cumulative totals, January - March

Net generation				
Utilities:				
Hydro	18,199,910	260,745	-	164,481
Thermal	1,253,988	4,664	15,485	192,333
Total	19,453,898	265,409	15,485	356,814
Industry:				
Hydro	4,961,364	84,829	-	9,673
Thermal	402,553	8,909	-	29,438
Total	5,363,917	93,738	-	39,111
Total net generation	24,817,815	359,147	15,485	395,925
Energy imported:				
From other provinces	xxx	3,050	-	-
From United States	56,946	-	-	-
Total	56,946	3,050	-	-
Energy exported:				
To other provinces	xxx	11,869	-	2,602
To United States - primary	317,277	-	-	-
secondary	752,807	-	-	-
Total	1,070,084	11,869	-	2,602
Energy made available in Canada ¹	23,804,677	350,328	15,485	393,323
Amount used in electric boilers	1,316,109	47,512	-	-
March, 1957				
Total net generation	7,776,033	122,712	4,651	130,765
Total energy imported	19,464	-	-	-
Total energy exported	389,110	4,113	-	725
Total made available in Canada ¹	7,406,387	118,599	4,651	130,040
Used in electric boilers	148,406	10,748	-	-
January - March				
Total net generation	23,125,883	358,732	14,231	388,570
Total energy imported	115,624	-	-	-
Total energy exported	1,089,861	12,932	-	2,321
Total made available in Canada ¹	22,151,646	345,800	14,231	386,249
Used in electric boilers	407,737	33,183	-	-

1. Includes interruptable and at will energy and energy used in electric boilers.

2. Quebec power exported to the United States via Ontario has been treated in previous reports as (1) an export from Quebec to Ontario and (2) an export from Ontario to the United States. In this and future reports it will be shown as a direct export from Quebec to the United States. Cumulative figures have been revised accordingly.

Electric Energy Made Available
March, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
76,923	2,713,423	2,363,924	305,148	49,755	99,414	457,235	6,349
16,090	8	71,598	1,123	105,426	113,349	12,765	215
93,013	2,713,431	2,435,522	306,271	155,181	212,763	470,000	6,564
3,991	1,019,572	135,345	2,918	-	-	525,049	3,583
27,012	14,491	49,723	2	2,633	4,675	28,884	-
31,003	1,034,063	185,068	2,920	2,633	4,675	553,933	3,583
124,016	3,747,494	2,620,590	309,191	157,814	217,438	1,023,933	10,147
2,172	5,035	541,595 ²	52,692	215	558	12	-
22	41	11,188	-	-	-	1,250	-
2,194	5,076	552,783 ²	52,692	215	558	1,262	-
-	531,052 ²	1,424	13,165	52,388	12	558	-
5,144	35,918 ²	64,656 ²	2	-	-	89	-
4,573	3,122	326,972	-	-	-	1,226	-
9,717	570,092 ²	393,052 ²	13,167	52,388	12	1,873	-
116,493	3,182,478 ²	2,780,321 ²	348,716	105,641	217,984	1,023,322	10,147
9	339,902	32,297	64,086	-	-	12,026	1,953

Cumulative totals, January - March

232,008	8,023,068	6,870,558	929,557	149,942	288,031	1,263,162	18,358
50,524	164	263,453	9,222	318,682	356,984	41,763	714
282,532	8,023,232	7,134,011	938,779	468,624	645,015	1,304,925	19,072
15,375	2,977,371	394,634	7,230	-	-	1,461,948	10,304
71,976	46,156	157,493	1,108	7,169	20,839	59,465	-
87,351	3,023,527	552,127	8,338	7,169	20,839	1,521,413	10,304
369,883	11,046,759	7,686,138	947,117	475,793	665,854	2,826,338	29,376
6,533	15,473	1,469,103 ²	157,549	724	2,034	1,421	-
75	138	50,380	-	-	-	6,353	-
6,608	15,611	1,519,483	157,549	724	2,034	7,774	-
-	1,435,453 ²	4,042	41,355	157,111	1,421	2,034	-
16,309	117,244 ²	183,487 ²	6	-	-	231	-
13,805	10,055	726,120	-	-	-	2,827	-
30,114	1,562,752 ²	913,649 ²	41,361	157,111	1,421	5,092	-
346,377	9,499,618 ²	8,291,972 ²	1,063,305	319,406	666,467	2,829,020	29,376
470	990,699	72,491	166,233	-	-	33,253	5,451
112,062	3,188,106	2,580,239	302,376	145,619	198,189	982,525	8,789
2,365	5,184	428,887 ²	50,924	189	2,896	907	-
2,278	455,100 ²	336,073 ²	8,165	50,862	27	3,655	-
112,149	2,738,190 ²	2,673,053 ²	345,135	94,946	201,058	979,777	8,789
-	57,427	11,387	54,005	-	-	13,880	959
319,122	9,705,657	7,472,572	891,524	445,271	618,044	2,885,927	26,233
9,085	16,425	1,289,704 ²	149,458	655	6,050	11,175	-
2,282	1,320,408 ²	935,263 ²	23,277	149,298	1,989	9,019	-
325,925	8,401,674 ²	7,827,013 ²	1,017,705	296,628	622,105	2,888,083	26,233
-	187,402	16,568	119,088	-	-	48,203	3,293



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Electric Energy Made Available
March, 1958

Month	Total net generation	Imports from United States	Exports to United States	Total made available in Canada	Daily Average	
					Total net generation	Total made available
(Thousand kwh.)						
January	8,558,410	23,391	335,350	8,246,451	276,078	266,015
February	* 7,790,123	21,054	293,032	* 7,518,145	278,219	268,505
March	8,469,394	12,501	441,702	8,040,193	273,206	259,361
April						
May						
June						
July						
August						
September						
October						
November						
December						
Total						

Net generation, 1949-1958
CANADA

Year and month	Utilities			Industry			Grand total
	Hydro	Thermal	Total	Hydro	Thermal	Total	
(Thousand kwh.)							
1949	35,783,737	1,390,562	37,174,299	n.a.	n.a.	12,889,749	50,064,048
1950	39,342,277	1,647,557	40,989,834	"	"	13,428,593	54,418,427
1951	45,819,227	1,732,652	47,551,879	"	"	13,369,527	60,921,406
1952	49,156,895	2,222,115	51,379,010	"	"	14,086,950	65,465,960
1953	49,160,361	3,797,345	52,957,706	"	"	16,400,824	69,358,530
1954	51,713,904	3,178,434	54,892,338	"	"	17,547,555	72,439,893
1955	57,996,293	3,197,153	61,193,446	"	"	18,381,161	79,574,607
1956	64,014,072	4,292,898	68,306,970	"	"	19,119,968	87,426,938
1957 - Total	65,817,043	5,572,995	71,390,038	17,155,908	1,702,865	18,858,773	90,248,811
January	5,620,267	632,830	6,253,097	1,654,555	162,972	1,817,527	8,070,624
February	5,126,908	527,507	5,654,415	1,466,697	158,114	1,624,811	7,279,226
March	5,592,897	504,383	6,097,280	1,509,030	169,723	1,678,753	7,776,033
April	5,391,873	421,023	5,812,896	1,513,957	151,647	1,665,604	7,478,500
May	5,503,548	382,423	5,885,971	1,533,616	143,871	1,677,487	7,563,458
June	5,075,715	386,639	5,462,354	1,148,747	140,904	1,289,651	6,752,005
July	5,447,645	358,432	5,806,077	1,170,830	122,167	1,292,997	7,099,074
August	5,139,204	438,010	5,577,214	1,162,471	138,910	1,301,381	6,878,595
September	5,135,923	467,560	5,603,483	1,190,140	127,820	1,317,960	6,921,443
October	5,705,947	531,296	6,237,243	1,648,093	144,833	1,792,926	8,030,169
November	5,922,344	474,348	6,396,692	1,649,641	128,573	1,778,214	8,174,906
December	6,154,772	448,544	6,603,316	1,508,131	113,331	1,621,462	8,224,778
1958							
January	6,294,539	437,663	6,732,202	1,697,912	128,296	1,826,208	8,558,410
February	5,688,336	427,520	6,115,856	*1,539,809	*134,458	*1,674,267	*7,790,123
March	6,217,035	388,805	6,605,840	1,723,755	139,799	1,863,554	8,469,394
April							
May							
June							
July							
August							
September							
October							
November							
December							

* Revised