

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA



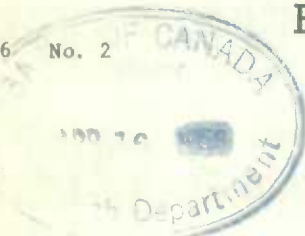
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Memorandum

ELECTRIC POWER STATISTICS

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February, 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 7,791,305 megawatt hours in February 1958 as compared with 7,279,226 one year ago, an increase of 7.0 per cent. Imports from the United States at 21,054 mwh were down 32.6 per cent and exports at 293,032 mwh 16.3 per cent from the corresponding totals for February 1957. The total amount of electric energy made available for use in Canada rose 8.0 per cent in February to 7,519,327 mwh from 6,960,306 one year ago. However, of the total made available, 411,065 mwh, as compared with 120,819 mwh in February 1957, were for use in electric boilers.

Generation by utilities rose 8.2 per cent over the previous February while that by industry increased 3.1 per cent.

Provincial totals of production of electric energy during February are as follows (1957 data in brackets): Quebec, 3,440,821 mwh (3,091,384); Ontario, 2,408,990 mwh (2,321,138); British Columbia, 903,461 mwh (903,646); Manitoba, 298,717 mwh (281,261); Alberta, 218,141 mwh (198,105); Saskatchewan, 153,957 mwh (140,385); Nova Scotia, 125,518 mwh (119,892); New Brunswick, 117,340 mwh (98,124); Newfoundland, 110,213 mwh (112,528); Yukon and Northwest Territories, 9,340 mwh (8,353); and Prince Edward Island, 4,807 mwh (4,410).

Prepared in the Transportation and Public Utilities Section.

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Electric Energy Made Available

February, 1958

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	(Thousand kwh.)			
Net generation				
Utilities:				
Hydro	5,688,336	80,708	-	53,279
Thermal	427,520	1,037	4,807	59,190
Total	6,115,856	81,745	4,807	112,469
Industry:				
Hydro	1,539,513	25,816	-	3,216
Thermal	135,936	2,652	-	9,833
Total	1,675,449	28,468	-	13,049
Total net generation	7,791,305	110,213	4,807	125,518
Energy imported:				
From other provinces	xxx	996	-	-
From United States	21,054	-	-	-
Total	21,054	996	-	-
Energy exported:				
To other provinces	xxx	3,868	-	827
To United States - primary	100,124	-	-	-
secondary	192,908	-	-	-
Total	293,032	3,868	-	827
Energy made available in Canada ¹	7,519,327	107,341	4,807	124,691
Amount used in electric boilers	411,065	14,614	-	-

Cumulative totals, January - February

Net generation				
Utilities:				
Hydro	11,982,875	174,752	-	105,610
Thermal	865,183	1,273	10,330	132,648
Total	12,848,058	176,025	10,330	238,258
Industry:				
Hydro	3,241,425	54,917	-	6,288
Thermal	264,232	6,246	-	19,722
Total	3,505,657	61,163	-	26,010
Total net generation	16,353,715	237,188	10,330	264,268
Energy imported:				
From other provinces	xxx	1,946	-	-
From United States	44,445	-	-	-
Total	44,445	1,946	-	-
Energy exported:				
To other provinces	xxx	7,954	-	1,733
To United States - primary	211,468	-	-	-
secondary	416,914	-	-	-
Total	628,382	7,954	-	1,733
Energy made available in Canada ¹	15,769,778	231,180	10,330	262,535
Amount used in electric boilers	846,916	29,942	-	-
February, 1957				
Total net generation	7,279,226	112,528	4,410	119,892
Total energy imported	31,221	-	-	-
Total energy exported	350,141	-	-	-
Total made available in Canada ¹	6,960,306	112,528	4,410	119,892
Used in electric boilers	120,819	11,632	-	-
January - February				
Total net generation	15,349,850	236,020	9,580	257,805
Total energy imported	96,160	-	-	-
Total energy exported	700,751	-	-	-
Total made available in Canada ¹	14,745,259	236,020	9,580	257,805
Used in electric boilers	259,331	22,435	-	-

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

Electric Energy Made Available
February, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
70,564	2,509,082	2,123,546	292,127	49,135	98,980	404,880	6,035
19,552	63	110,783	3,840	102,726	111,287	13,993	242
90,116	2,509,145	2,234,329	295,967	151,861	210,267	418,873	6,277
4,397	916,345	122,608	2,100	-	-	461,968	3,063
22,827	15,331	52,053	650	2,096	7,874	22,620	-
27,224	931,676	174,661	2,750	2,096	7,874	484,588	3,063
117,340	3,440,821	2,408,990	298,717	153,957	218,141	903,461	9,340
2,029	5,047	475,543	51,296	250	554	689	-
17	51	20,055	-	-	-	931	-
2,046	5,098	495,598	51,296	250	554	1,620	-
-	466,832	1,244	11,159	51,231	689	554	-
5,140	392	94,518	2	-	-	72	-
4,101	3,947	184,006	-	-	-	854	-
9,241	471,171	279,768	11,161	51,231	689	1,480	-
110,145	2,974,748	2,624,820	338,852	102,976	218,006	903,601	9,340
-	320,716	20,453	43,663	-	-	9,877	1,742

Cumulative totals, January - February

155,085	5,309,645	4,506,634	624,409	100,187	188,617	805,927	12,009
34,434	156	191,855	8,099	213,256	243,635	28,998	499
189,519	5,309,801	4,698,489	632,508	313,443	432,252	834,925	12,508
11,384	1,961,574	259,289	4,353	-	-	936,899	6,721
44,964	31,665	107,770	1,349	4,536	16,164	31,816	-
56,348	1,993,239	367,059	5,702	4,536	16,164	968,715	6,721
245,867	7,303,040	5,065,548	638,210	317,979	448,416	1,803,640	19,229
4,361	10,438	1,007,996	104,857	509	1,476	1,409	-
53	97	39,192	-	-	-	5,103	-
4,414	10,535	1,047,188	104,857	509	1,476	6,512	-
-	984,889	2,618	28,190	104,723	1,409	1,476	-
11,165	838	199,319	4	-	-	142	-
9,232	6,933	399,148	-	-	-	1,601	-
20,397	992,660	601,085	28,194	104,723	1,409	3,219	-
229,884	6,320,915	5,511,651	714,873	213,765	448,483	1,806,933	19,229
461	649,447	40,194	102,147	-	-	21,227	3,498
98,124	3,091,384	2,321,138	281,261	140,385	198,105	903,646	8,353
1,430	37	25,246	-	-	-	4,508	-
2	4,946	343,619	1	-	-	1,573	-
99,552	3,086,475	2,002,765	281,260	140,385	198,105	906,581	8,353
-	51,205	2,744	37,734	-	-	16,378	1,126
207,060	6,517,551	4,892,333	589,148	299,652	419,855	1,903,402	17,444
2,759	74	85,021	-	-	-	8,306	-
4	9,888	688,646	3	-	-	2,210	-
209,815	6,507,737	4,288,708	589,145	299,652	419,855	1,909,498	17,444
-	129,975	5,181	65,083	-	-	34,323	2,334



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Electric Energy Made Available
February, 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	7,791,305	21,054	293,032	7,519,327	278,261	268,547
March						
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	1,539,513	135,936	1,675,449	7,791,305
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							

* Revised.