

## DOMINION BUREAU OF STATISTICS

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Memorandum

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## ELECTRIC POWER STATISTICS

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April, 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 7,947,805 megawatt hours in April 1958 as compared with 7,478,500 one year ago, an increase of 6.3 per cent. Exports to the United States fell 42.2 per cent to 16,001 mwh while imports declined 17.1 per cent to 354,935 mwh. Electric energy made available for use in Canada increased 7.5 per cent to 7,608,871 mwh from 7,078,132. Of the total made available in April, 432,690 mwh were for use in electric boilers as compared with 144,261 mwh in April 1957.

Generation by utilities rose 5.6 per cent over the previous April while that by industry increased 8.5 per cent.

Provincial totals of production of electric energy during April are as follows (1957 data in brackets): Quebec, 3,611,117 mwh (3,106,625); Ontario, 2,377,788 mwh (2,515,219); British Columbia, 961,853 mwh (909,693); Manitoba, 275,026 mwh (280,459); Alberta, 198,854 mwh (180,822); Saskatchewan, 144,989 mwh (131,832); Nova Scotia, 124,886 mwh (120,926); New Brunswick, 122,169 mwh (112,455); Newfoundland, 116,629 mwh (107,725); Yukon and Northwest Territories, 9,745 mwh (8,391); and Prince Edward Island, 4,749 mwh (4,353).

Prepared in the Transportation and Public Utilities Section.

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Electric Energy Made Available

April, 1958

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	(Thousand kwh.)			
Net generation				
Utilities:				
Hydro .....	5,811,220	84,978	-	57,025
Thermal .....	328,606	345	4,749	54,387
Total .....	6,139,826	85,323	4,749	111,412
Industry:				
Hydro .....	1,666,049	28,809	-	3,666
Thermal .....	141,930	2,497	-	9,808
Total .....	1,807,979	31,306	-	13,474
Total net generation .....	7,947,805	116,629	4,749	124,886
Energy imported:				
From other provinces .....	xxx	1,104	-	-
From United States .....	16,001	-	-	-
Total .....	16,001	1,104	-	-
Energy exported:				
To other provinces .....	xxx	3,919	-	790
To United States - primary .....	102,866	-	-	-
secondary .....	252,069	-	-	-
Total .....	354,935	3,919	-	790
Energy made available in Canada <sup>1</sup> .....	7,608,871	113,814	4,749	124,096
Amount used in electric boilers .....	432,690	11,682	-	-

Cumulative totals, January - April

Net generation				
Utilities:				
Hydro .....	24,011,130	345,723	-	221,506
Thermal .....	1,582,593	5,009	20,234	246,719
Total .....	25,593,723	350,732	20,234	468,225
Industry:				
Hydro .....	6,627,266	113,638	-	13,339
Thermal .....	556,006	11,406	-	39,247
Total .....	7,183,272	125,044	-	52,586
Total net generation .....	32,776,995	475,776	20,234	520,811
Energy imported:				
From other provinces .....	xxx	4,154	-	-
From United States .....	72,947	-	-	-
Total .....	72,947	4,154	-	-
Energy exported:				
To other provinces .....	xxx	15,788	-	3,392
To United States - primary .....	420,143	-	-	-
secondary .....	1,004,876	-	-	-
Total .....	1,425,019	15,788	-	3,392
Energy made available in Canada <sup>1</sup> .....	31,424,923	464,142	20,234	517,419
Amount used in electric boilers .....	1,748,799	59,194	-	-
April, 1957				
Total net generation .....	7,478,500	107,725	4,353	120,926
Total energy imported .....	27,701	-	-	-
Total energy exported .....	428,069	4,157	-	721
Total made available in Canada <sup>1</sup> .....	7,078,132	103,568	4,353	120,205
Used in electric boilers .....	144,261	10,262	-	-
January - April				
Total net generation .....	30,604,383	466,457	18,584	509,496
Total energy imported .....	143,325	-	-	-
Total energy exported .....	1,517,930	17,089	-	3,042
Total made available in Canada <sup>1</sup> .....	29,229,778	449,368	18,584	506,454
Used in electric boilers .....	551,998	43,445	-	-

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

Electric Energy Made Available  
April, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
81,824	2,600,216	2,172,123	267,610	46,179	82,010	412,902	6,353
11,209	6	38,006	4,713	95,864	107,533	11,590	204
93,033	2,600,222	2,210,129	272,323	142,043	189,543	424,492	6,557
5,172	996,241	122,733	2,703	-	-	503,537	3,188
23,964	14,654	44,926	-	2,946	9,311	33,824	-
29,136	1,010,895	167,659	2,703	2,946	9,311	537,361	3,188
122,169	3,611,117	2,377,788	275,026	144,989	198,854	961,853	9,745
2,021	4,961	508,720	49,831	185	553	9	-
31	42	15,111	-	-	-	817	-
2,052	5,003	523,831	49,831	185	553	826	-
-	511,055	1,748	185	49,125	9	553	-
4,050	42,451	56,272	2	-	-	91	-
9,104	507	241,641	-	-	-	817	-
13,154	554,013	299,661	187	49,125	9	1,461	-
111,067	3,062,107	2,601,958	324,670	96,049	199,398	961,218	9,745
383	332,032	24,382	51,983	-	-	9,680	2,548

Cumulative totals, January - April

313,832	10,623,284	9,042,681	1,197,167	196,121	370,041	1,676,064	24,711
61,733	170	301,459	13,935	414,546	464,517	53,353	918
375,565	10,623,454	9,344,140	1,211,102	610,667	834,558	1,729,417	25,629
20,547	3,973,612	517,220	9,933	-	-	1,965,485	13,492
95,940	60,810	201,671	1,108	10,115	35,473	100,236	-
116,487	4,034,422	718,891	11,041	10,115	35,473	2,065,721	13,492
492,052	14,657,876	10,063,031	1,222,143	620,782	870,031	3,795,138	39,121
8,554	20,434	1,977,823	207,380	909	2,587	1,430	-
106	180	65,491	-	-	-	7,170	-
8,660	20,614	2,043,314	207,380	909	2,587	8,600	-
-	1,946,508	5,790	41,540	206,236	1,430	2,587	-
20,359	159,695	239,759	8	-	-	322	-
22,909	10,562	967,761	-	-	-	3,644	-
43,268	2,116,765	1,213,310	41,548	206,236	1,430	6,553	-
457,444	12,561,725	10,893,035	1,387,975	415,455	871,188	3,797,185	39,121
853	1,322,731	96,873	218,216	-	-	42,933	7,999
112,455	3,106,625	2,515,219	280,459	131,832	180,822	909,693	8,391
2,047	5,205	427,690	45,425	188	4,396	10,012	-
4,144	430,714	384,081	21,357	45,379	-	4,778	-
110,358	2,681,116	2,558,828	304,527	86,641	185,218	914,927	8,391
-	77,327	18,371	32,342	-	-	5,024	935
431,577	12,812,282	9,987,791	1,171,983	577,103	798,866	3,795,620	34,624
11,132	21,630	1,717,394	194,883	843	10,446	21,187	-
6,426	1,751,122	1,319,344	44,634	194,677	1,989	13,797	-
436,283	11,082,790	10,385,841	1,322,232	383,269	807,323	3,803,010	34,624
-	264,729	34,939	151,430	-	-	53,227	4,228





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Electric Energy Made Available

April, 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 .....	*8,558,298	23,391	335,350	*8,246,339	*276,074	*266,011
February .....	7,790,123	21,054	293,032	7,518,145	278,219	268,505
March .....	*8,479,578	12,501	441,702	*8,050,377	*273,535	*259,690
April .....	7,947,805	16,001	354,935	7,608,871	264,927	253,629
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	*1,697,800	128,296	*1,826,096	*8,558,298
February .....	5,688,336	427,520	6,115,856	1,539,809	134,458	1,674,267	7,790,123
March .....	6,217,035	*388,804	*6,605,839	*1,722,417	*151,322	*1,873,739	*8,479,578
April .....	5,811,220	328,606	6,139,826	1,666,049	141,930	1,807,979	7,947,805
May .....							
June .....							
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							

\* Revised.