

## DOMINION BUREAU OF STATISTICS

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## ELECTRIC POWER STATISTICS

August, 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.

A 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 7,581,541 megawatt hours in August 1958, an increase of 10.2 per cent over the 6,878,595 mwh generated one year ago. Imports from the United States decreased 84.3 per cent to 15,410 mwh from the previous August while exports dropped 1.7 per cent to 340,781 mwh. Electric energy made available for use in Canada in August rose 9.4 per cent to 7,256,170 mwh from 6,630,083 a year ago. Of the total amount made available 310,970 mwh were for use in electric boilers as compared with 164,316 mwh in August 1957.

Generation by utilities increased 5.7 per cent to 5,895,737 mwh while that by industry rose 29.5 per cent.

Provincial totals of production of electric energy during August are as follows (1957 data in brackets). Quebec, 3,440,986 mwh (2,764,000); Ontario, 2,234,479 mwh (2,346,501); British Columbia, 954,472 mwh (843,566); Manitoba, 224,006 mwh (258,030); Alberta, 203,002 mwh (181,961); Saskatchewan, 148,918 mwh (131,838); New Brunswick, 128,196 mwh (115,095); Nova Scotia, 119,848 mwh (119,711); Newfoundland, 110,374 mwh (102,952); Yukon and Northwest Territories, 12,078 mwh (10,201); and Prince Edward Island, 5,182 mwh (4,740):

Prepared in the Transportation and Public Utilities Section

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Electric Energy Made Available  
August, 1958

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	(Thousand kwh.)			
Net generation				
Utilities:				
Hydro .....	5,525,619	78,280	-	39,127
Thermal .....	370,118	242	5,182	68,235
Total .....	5,895,737	78,522	5,182	107,362
Industry:				
Hydro .....	1,537,754	29,665	-	2,992
Thermal .....	148,050	2,187	-	9,494
Total .....	1,685,804	31,852	-	12,486
Total net generation .....	7,581,541	110,374	5,182	119,848
Energy imported:				
From other provinces .....	xxxx	725	-	-
From United States .....	15,410	-	-	-
Total .....	15,410	725	-	-
Energy exported:				
To other provinces .....	xxxx	3,895	-	696
To United States - primary .....	102,844	-	-	-
secondary .....	237,937	-	-	-
Total .....	340,781	3,895	-	696
Energy made available in Canada <sup>1</sup> .....	7,256,170	107,204	5,182	119,152
Amount used in electric boilers .....	310,970	12,945	-	-

Cumulative totals, January - August, 1958

Net generation				
Utilities:				
Hydro .....	46,475,752	654,584	-	407,409
Thermal .....	2,907,465	5,730	39,749	498,212
Total .....	49,383,217	660,314	39,749	905,621
Industry:				
Hydro .....	12,926,822	232,268	-	26,449
Thermal .....	1,169,634	21,450	-	77,177
Total .....	14,096,456	253,718	-	103,626
Total net generation .....	63,479,673	914,032	39,749	1,009,247
Energy imported:				
From other provinces .....	xxxx	6,731	-	-
From United States .....	149,409	-	-	-
Total .....	149,409	6,731	-	-
Energy exported:				
To other provinces .....	xxxx	30,943	-	6,211
To United States - primary .....	836,676	-	-	-
secondary .....	1,851,766	-	-	-
Total .....	2,688,442	30,943	-	6,211
Energy made available in Canada <sup>1</sup> .....	60,940,640	889,820	39,749	1,003,036
Amount used in electric boilers .....	3,077,409	108,340	-	-
August, 1957				
Total net generation .....	6,878,595	102,952	4,740	119,711
Total energy imported .....	98,317	-	-	-
Total energy exported .....	346,829	3,447	-	671
Total made available in Canada <sup>1</sup> .....	6,630,083	99,505	4,740	119,040
Used in electric boilers .....	164,316	2,285	-	-
January - August, 1957				
Total net generation .....	58,897,515	890,684	36,300	973,604
Total energy imported .....	514,685	-	-	-
Total energy exported .....	3,231,864	29,523	-	5,600
Total made available in Canada <sup>1</sup> .....	56,180,336	861,161	36,300	968,004
Used in electric boilers .....	1,342,169	63,736	-	-

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

Electric Energy Made Available

August, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
84,761	2,522,379	2,059,481	203,230	42,584	70,023	419,497	6,257
11,708	29	34,223	18,004	96,851	121,484	13,974	186
96,469	2,522,408	2,093,704	221,234	139,435	191,507	433,471	6,443
6,154	904,352	97,963	2,772	1,677	-	486,544	5,635
25,573	14,226	42,812	-	7,806	11,495	34,457	-
31,727	918,578	140,775	2,772	9,483	11,495	521,001	5,635
128,196	3,440,986	2,234,479	224,006	148,918	203,002	954,472	12,078
1,918	4,943	489,070	48,957	165	3,421	10	-
30	33	14,402	-	-	-	945	-
1,948	4,976	503,472	48,957	165	3,421	955	-
-	491,017	3,537	165	46,468	10	3,421	-
3,722	35,742	63,207	3	-	-	170	-
8,954	1,811	226,395	-	-	-	777	-
12,676	528,570	293,139	168	46,468	10	4,368	-
117,468	2,917,392	2,444,812	272,795	102,615	206,413	951,059	12,078
32	265,180	24,976	2,786	-	-	2,813	2,238

Cumulative totals, January - August, 1958

674,870	20,958,185	17,274,898	2,095,448	367,172	681,685	3,311,680	49,821
90,083	252	429,002	45,261	791,753	904,056	101,716	1,651
764,953	20,958,437	17,703,900	2,140,709	1,158,925	1,585,741	3,413,396	51,472
47,892	7,665,140	956,094	20,527	13,583	-	3,930,081	34,788
190,757	122,599	378,033	1,125	57,130	78,214	243,149	-
238,649	7,787,739	1,334,127	21,652	70,713	78,214	4,173,230	34,788
1,003,602	28,746,176	19,038,027	2,162,361	1,229,638	1,663,955	7,586,626	86,260
16,347	39,823	3,998,586	398,126	1,599	7,574	1,577	-
202	317	137,423	-	-	-	11,467	-
16,549	40,140	4,136,009	398,126	1,599	7,574	13,044	-
-	3,974,564	15,553	42,488	391,453	1,577	7,574	-
35,121	322,531	478,111	17	-	-	896	-
63,022	18,167	1,763,025	-	-	-	7,552	-
98,143	4,315,262	2,256,689	42,505	391,453	1,577	16,022	-
922,008	24,471,054	20,917,347	2,517,982	839,784	1,669,952	7,583,648	86,260
2,453	2,435,269	190,573	263,938	-	-	59,572	17,264
115,095	2,764,000	2,346,501	258,030	131,838	181,961	843,566	10,201
2,228	4,405	429,611	43,116	147	643	74,499	-
1,672	433,129	300,790	19,449	43,087	83	833	-
115,651	2,335,276	2,475,322	281,697	88,898	182,521	917,232	10,201
-	109,201	17,501	33,526	-	-	1,057	746
891,316	24,164,191	19,899,001	2,209,780	1,098,451	1,526,109	7,132,237	75,842
18,828	45,702	3,321,112	370,568	1,478	13,708	319,398	-
21,025	3,402,525	2,846,682	111,760	370,086	2,976	17,795	-
889,119	20,807,368	20,373,431	2,468,588	729,843	1,536,841	7,433,839	75,842
117	807,762	134,462	264,698	-	-	63,894	7,500





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Electric Energy Made Available

August, 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 .....	8,564,438	23,390	335,350	8,252,478	276,272	266,209
February .....	7,795,778	21,053	293,032	7,523,799	278,421	268,707
March .....	8,486,697	12,500	441,702	8,057,495	273,764	259,919
April .....	7,950,440	16,000	354,935	7,611,505	265,015	253,717
May .....	7,968,435	22,656	275,862	7,715,229	257,046	248,878
June .....	7,466,241	23,940	255,949	7,234,232	248,875	241,141
July .....	*7,666,103	14,460	*390,831	*7,289,732	*247,294	*235,153
August .....	7,581,541	15,410	340,781	7,256,170	244,566	234,070
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	1,699,573	132,663	1,832,236	8,564,438
February .....	5,688,336	427,520	6,115,856	1,541,393	138,529	1,679,922	7,795,778
March .....	6,217,035	388,804	6,605,839	1,725,354	155,504	1,880,858	8,486,697
April .....	5,811,395	328,608	6,140,003	1,661,061	149,376	1,810,437	7,950,440
May .....	5,832,160	335,807	6,167,967	1,644,054	156,414	1,800,468	7,968,435
June .....	5,473,119	304,447	5,777,566	1,541,104	147,571	1,688,675	7,466,241
July .....	*5,633,549	*314,498	*5,948,047	*1,576,529	*141,527	*1,718,056	*7,666,103
August .....	5,525,619	370,118	5,895,737	1,537,754	148,050	1,685,804	7,581,541
September .....							
October .....							
November .....							
December .....							

\* Revised.