

## DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

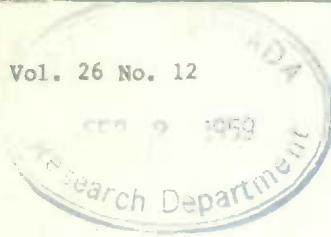
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## ELECTRIC POWER STATISTICS

December, 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 8,841,601 megawatt hours in December 1958, an increase of 7.5 per cent over the 8,224,778 mwh generated a year ago. Imports from the United States dropped 32.1 per cent to 31,802 mwh while exports declined 18.5 per cent to 342,876 mwh. Electric energy made available for use in Canada in December increased 8.7 per cent to 8,530,527 mwh from 7,850,696 mwh a year ago. Of the total made available 394,868 mwh were for use in electric boilers as compared with 386,322 mwh in December 1957. The Rattling Brook hydro power development in Newfoundland was placed in service during December, and two generating units in Quebec.

Net generation during the twelve-month period ended in December amounted to 96,743,375 mwh compared with 90,248,811 mwh in 1957, an increase of 7.2 per cent. Imports from the United States showed a sharp decline of 70.7 per cent to 243,841 mwh from 832,590 mwh in 1957. Exports were down 15.7 per cent to 4,073,187 mwh from 4,829,262 mwh.

Generation by utilities in 1958 increased 5.8 per cent to 75,529,580 mwh while the industrial total rose 12.5 per cent to 21,213,795 mwh.

Provincial totals of production of electric energy during the year are as follows (1957 data in brackets). Quebec, 43,528,802 mwh (37,986,804); Ontario, 29,139,624 mwh (29,982,854); British Columbia, 11,682,152 mwh (10,540,816); Manitoba, 3,213,271 mwh (3,338,170); Alberta, 2,607,006 mwh (2,339,981); Saskatchewan, 1,901,726 mwh (1,692,850); Nova Scotia, 1,561,894 mwh (1,479,727); New Brunswick, 1,544,683 mwh (1,361,428); Newfoundland, 1,369,976 mwh (1,355,378); Yukon and Northwest Territories, 131,705 mwh (114,048); and Prince Edward Island, 62,536 mwh (56,755).

Prepared in the Transportation and Public Utilities Section

Electric Energy Made Available  
December, 1958

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	(Thousand kwh.)			
Net generation				
Utilities:				
Hydro .....	6,524,641	85,843	-	60,224
Thermal .....	513,490	1,481	6,506	76,161
Total .....	7,038,131	87,324	6,506	136,385
Industry:				
Hydro .....	1,640,517	29,190	-	3,173
Thermal .....	162,953	1,807	-	9,296
Total .....	1,803,470	30,997	-	12,469
Total net generation .....	8,841,601	118,321	6,506	148,854
Energy imported:				
From other provinces .....	xxx	-	-	-
From United States .....	31,802	-	-	-
Total .....	31,802	-	-	-
Energy exported:				
To other provinces .....	xxx	3,270	-	1,068
To United States - primary .....	101,792	-	-	-
secondary .....	241,084	-	-	-
Total .....	342,876	3,270	-	1,068
Energy made available in Canada <sup>1</sup> .....	8,530,527	115,051	6,506	147,786
Amount used in electric boilers .....	394,868	14,978	-	-

Cumulative totals, January - December, 1958

Net generation				
Utilities:				
Hydro .....	70,838,846	978,185	-	612,538
Thermal .....	4,690,734	8,337	62,536	794,039
Total .....	75,529,580	986,522	62,536	1,406,577
Industry:				
Hydro .....	19,408,973	351,972	-	38,805
Thermal .....	1,804,822	31,482	-	116,512
Total .....	21,213,795	383,454	-	155,317
Total net generation .....	96,743,375	1,369,976	62,536	1,561,894
Energy imported:				
From other provinces .....	xxx	9,246	-	-
From United States .....	243,841	-	-	-
Total .....	243,841	9,246	-	-
Energy exported:				
To other provinces .....	xxx	46,220	-	9,948
To United States - primary .....	1,252,201	-	-	-
secondary .....	2,820,986	-	-	-
Total .....	4,073,187	46,220	-	9,948
Energy made available in Canada <sup>1</sup> .....	92,914,029	1,333,002	62,536	1,551,946
Amount used in electric boilers .....	4,614,970	155,372	-	-
December, 1957				
Total net generation .....	8,224,778	128,498	5,704	134,171
Total energy imported .....	46,827	-	-	-
Total energy exported .....	420,909	4,002	-	905
Total made available in Canada <sup>1</sup> .....	7,850,696	124,496	5,704	133,266
Used in electric boilers .....	386,322	19,561	-	-
January - December, 1957				
Total net generation .....	90,248,811	1,355,378	56,755	1,479,727
Total energy imported .....	832,590	-	-	-
Total energy exported .....	4,829,262	44,620	-	8,856
Total made available in Canada <sup>1</sup> .....	86,252,139	1,310,758	56,755	1,470,871
Used in electric boilers .....	2,665,165	118,617	-	-

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

Electric Energy Made Available  
December, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
72,373	2,873,215	2,507,215	284,268	47,930	80,058	505,998	7,517
27,639	93	56,935	19,637	134,394	173,391	16,914	339
100,012	2,873,308	2,564,150	303,905	182,324	253,449	522,912	7,856
2,882	961,796	118,015	3,352	1,765	-	517,214	3,130
37,298	14,623	49,725	-	5,923	12,352	31,929	-
40,180	976,419	167,740	3,352	7,688	12,352	549,143	3,130
140,192	3,849,727	2,731,890	307,257	190,012	265,801	1,072,055	10,986
2,692	5,040	522,390	56,454	268	2,604	174	-
58	55	30,151	-	-	-	1,538	-
2,750	5,095	552,541	56,454	268	2,604	1,712	-
-	524,014	8,355	268	49,869	174	2,604	-
3,481	35,155	63,050	3	-	-	103	-
8,063	3,943	228,016	-	-	-	1,062	-
11,544	563,112	299,421	271	49,869	174	3,769	-
131,398	3,291,710	2,985,010	363,440	140,411	268,231	1,069,998	10,986
-	306,970	50,328	10,551	-	-	9,975	2,066

Cumulative totals, January - December, 1958

1,003,624	31,855,016	26,522,411	3,048,777	548,365	990,543	5,200,514	78,873
160,909	598	627,436	130,439	1,249,304	1,491,535	162,852	2,749
1,164,533	31,855,614	27,149,847	3,179,216	1,797,669	2,482,078	5,363,366	81,622
63,072	11,484,850	1,419,426	32,930	20,339	-	5,947,496	50,083
317,078	188,338	570,351	1,125	83,718	124,928	371,290	-
380,150	11,673,188	1,989,777	34,055	104,057	124,928	6,318,786	50,083
1,544,683	43,528,802	29,139,624	3,213,271	1,901,726	2,607,006	11,682,152	131,705
25,845	60,481	6,004,596	619,878	2,510	19,350	1,933	-
292	498	226,900	-	-	-	16,151	-
26,137	60,979	6,231,496	619,878	2,510	19,350	18,084	-
-	5,988,850	50,851	43,399	583,288	1,933	19,350	-
49,288	477,317	724,269	29	-	-	1,298	-
101,558	28,196	2,679,816	-	-	-	11,416	-
150,846	6,494,363	3,454,936	43,428	583,288	1,933	32,064	-
1,419,974	37,095,418	31,916,184	3,789,721	1,320,948	2,624,423	11,668,172	131,705
2,453	3,651,647	394,836	294,301	-	-	88,966	27,395
124,640	3,734,433	2,649,494	320,702	163,320	222,653	731,699	9,464
2,397	5,266	536,285	52,252	236	1,044	26,449	-
10,006	547,954	366,615	11,646	52,021	375	4,487	-
117,031	3,191,745	2,819,164	361,308	111,535	223,322	753,661	9,464
389	286,191	15,970	52,476	-	-	10,545	1,190
1,361,428	37,986,804	29,982,854	3,338,170	1,692,850	2,339,981	10,540,816	114,048
28,443	65,390	5,375,606	571,255	2,317	22,300	545,003	-
40,539	5,499,719	4,250,177	154,796	569,810	3,625	34,844	-
1,349,332	32,552,475	31,108,283	3,754,629	1,125,357	2,358,656	11,050,975	114,048
687	1,840,492	195,400	407,943	-	-	89,914	12,112





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Electric Energy Made Available  
December, 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 .....	7,578,534	15,410	340,781	7,253,163	244,468	233,973
September .....	7,616,958	27,810	308,605	7,336,163	253,899	244,539
October .....	*8,344,355	23,599	*338,444	*8,029,510	269,173	259,017
November .....	*8,463,795	11,221	394,820	*8,080,196	*282,127	*269,340
December .....	8,841,601	31,802	342,876	8,530,527	285,213	275,178
Total .....	96,743,375	243,841	4,073,187	92,914,029	265,131	254,648

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 .....	5,524,523	370,450	5,894,973	1,533,121	150,440	1,683,561	7,578,534
September .....	5,437,419	456,152	5,893,571	1,571,962	151,425	1,723,387	7,616,938
October .....	*6,112,363	*413,432	*6,525,795	1,659,406	159,154	1,818,560	*8,344,355
November .....	*6,289,767	*399,863	*6,689,630	*1,614,899	*159,266	*1,774,165	*8,463,795
December .....	6,524,641	513,490	7,038,131	1,640,517	162,953	1,803,470	8,841,601

\* Revised.