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ELECTRIC POWER STATISTICS

May, 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 7,961,117 megawatt hours in May 1958 as compared with 7,563,458 one year ago, an increase of 5.3 per cent. Imports from the United States at 22,656 mwh were down 65.0 per cent from the previous May and exports at 275,862 mwh down 36.8 per cent. Electric energy made available for use in Canada increased 7.2 per cent to 7,707,911 mwh from 7,191,962. Of the total made available, 368,200 mwh were for use in electric boilers as compared with 248,939 mwh in May 1957.

Generation by utilities rose 4.8 per cent over the previous May while that by industry increased 6.9 per cent.

Provincial totals of production of electric energy during May are as follows (1957 data in brackets): Quebec, 3,702,103 mwh (3,130,452); Ontario, 2,297,486 mwh (2,586,780); British Columbia, 970,584 mwh (877,287); Manitoba, 258,553 mwh (286,636); Alberta, 198,970 mwh (185,637); Saskatchewan, 144,002 mwh (131,171); New Brunswick, 131,862 mwh (115,640); Nova Scotia, 126,617 mwh (116,175); Newfoundland, 114,617 mwh (118,462); Yukon and Northwest Territories, 11,528 mwh (10,867); and Prince Edward Island, 4,795 mwh (4,351).

Prepared in the Transportation and Public Utilities Section

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Electric Energy Made Available
May, 1958

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	(Thousand kwh.)			
Net generation				
Utilities:				
Hydro	5,832,160	81,756	-	59,546
Thermal	335,807	103	4,795	53,248
Total	6,167,967	81,859	4,795	112,794
Industry:				
Hydro	1,641,849	29,891	-	3,700
Thermal	151,301	2,867	-	10,123
Total	1,793,150	32,758	-	13,823
Total net generation	7,961,117	114,617	4,795	126,617
Energy imported:				
From other provinces	xxx	787	-	-
From United States	22,656	-	-	-
Total	22,656	787	-	-
Energy exported:				
To other provinces	xxx	3,886	-	727
To United States - primary	107,596	-	-	-
secondary	168,266	-	-	-
Total	275,862	3,886	-	727
Energy made available in Canada ¹	7,707,911	111,518	4,795	125,890
Amount used in electric boilers	368,200	11,855	-	-

Cumulative totals, January - May

Net generation				
Utilities:				
Hydro	29,843,465	427,654	-	281,052
Thermal	1,918,402	5,114	25,029	299,967
Total	31,761,867	432,768	25,029	581,019
Industry:				
Hydro	8,262,413	143,529	-	17,039
Thermal	710,646	14,273	-	49,370
Total	8,973,059	157,802	-	66,409
Total net generation	40,734,926	590,570	25,029	647,428
Energy imported:				
From other provinces	xxx	4,617	-	-
From United States	95,599	-	-	-
Total	95,599	4,617	-	-
Energy exported:				
To other provinces	xxx	19,522	-	4,119
To United States - primary	527,739	-	-	-
secondary	1,173,142	-	-	-
Total	1,700,881	19,522	-	4,119
Energy made available in Canada ¹	39,129,644	575,665	25,029	643,309
Amount used in electric boilers	2,117,041	71,049	-	-
May, 1957				
Total net generation	7,563,458	118,462	4,351	116,175
Total energy imported	64,733	-	-	-
Total energy exported	436,229	3,911	-	654
Total made available in Canada ¹	7,191,962	114,551	4,351	115,521
Used in electric boilers	248,939	13,297	-	-
January - May				
Total net generation	38,167,841	584,919	22,935	625,671
Total energy imported	208,058	-	-	-
Total energy exported	1,954,159	21,000	-	3,696
Total made available in Canada ¹	36,421,740	563,919	22,935	621,975
Used in electric boilers	800,937	56,742	-	-

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

Electric Energy Made Available
May, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
95,219	2,722,510	2,075,125	254,189	45,015	79,310	413,027	6,463
5,304	22	54,003	1,513	95,572	109,482	11,572	193
100,523	2,722,532	2,129,128	255,702	140,587	188,792	424,599	6,656
7,370	962,078	122,305	2,849	-	-	508,784	4,872
23,969	17,493	46,053	2	3,415	10,178	37,201	-
31,339	979,571	168,358	2,851	3,415	10,178	545,985	4,872
131,862	3,702,103	2,297,486	258,553	144,002	198,970	970,584	11,528
1,985	4,942	524,743	49,386	181	586	50	-
12	40	21,580	-	-	-	1,024	-
1,997	4,982	546,323	49,386	181	586	1,074	-
-	526,530	2,012	439	48,430	50	586	-
3,720	41,524	62,253	2	-	-	97	-
11,576	1,255	154,447	-	-	-	988	-
15,296	569,309	218,712	441	48,430	50	1,671	-
118,563	3,137,776	2,625,097	307,498	95,753	199,506	969,987	11,528
543	302,971	20,250	26,578	-	-	3,183	2,820

Cumulative totals, January - May

409,051	13,345,794	11,117,806	1,451,356	241,136	449,351	2,089,091	31,174
67,037	192	355,462	15,448	510,118	573,999	64,925	1,111
476,088	13,345,986	11,473,268	1,466,804	751,254	1,023,350	2,154,016	32,285
27,917	4,935,625	639,183	12,782	-	-	2,467,974	18,364
119,909	78,175	247,714	1,110	13,530	45,651	140,914	-
147,826	5,013,800	886,897	13,892	13,530	45,651	2,608,888	18,364
623,914	18,359,786	12,360,165	1,480,696	764,784	1,069,001	4,762,904	50,649
10,543	25,224	2,502,566	256,766	1,090	3,173	1,480	-
118	216	87,071	-	-	-	8,194	-
10,661	25,440	2,589,637	256,766	1,090	3,173	9,674	-
-	2,472,718	7,802	41,979	254,666	1,480	3,173	-
24,079	201,219	302,012	10	-	-	419	-
34,485	11,817	1,122,208	-	-	-	4,632	-
58,564	2,685,754	1,432,022	41,989	254,666	1,480	8,224	-
576,011	15,699,472	13,517,780	1,695,473	511,208	1,070,694	4,764,354	50,649
1,396	1,625,358	117,123	244,794	-	-	46,502	10,819
115,640	3,130,452	2,586,780	286,636	131,171	185,637	877,287	10,867
1,935	4,913	397,852	44,175	161	1,156	46,322	-
4,778	405,461	384,859	22,451	44,154	401	1,341	-
112,797	2,729,904	2,599,773	308,360	87,178	186,392	922,268	10,867
89	164,769	25,827	38,836	-	-	5,214	907
547,217	15,942,734	12,574,571	1,458,619	708,274	984,503	4,672,907	45,491
13,067	26,543	2,115,246	239,058	1,004	11,602	67,509	-
11,204	2,156,583	1,704,203	67,085	238,831	2,390	15,138	-
549,080	13,812,694	12,985,614	1,630,592	470,447	993,715	4,725,278	45,491
89	429,498	60,766	190,266	-	-	58,441	5,135



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Electric Energy Made Available
May, 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	23,390	335,350	8,246,338	276,074	266,011
February	7,790,123	21,053	293,032	7,518,144	278,219	268,505
March	*8,480,769	12,500	441,702	*8,051,567	*273,573	*259,728
April	*7,944,619	16,000	354,935	*7,605,684	*264,821	*253,523
May	7,961,117	22,656	275,862	7,707,911	256,810	248,642
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	*1,723,608	151,322	*1,874,930	*8,480,769
April	*5,811,395	*328,608	*6,140,003	*1,659,347	*145,269	*1,804,616	*7,944,619
May	5,832,160	335,807	6,167,967	1,641,849	151,301	1,793,150	7,961,117
June							
July							
August							
September							
October							
November							
December							

* Revised.