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ELECTRIC POWER STATISTICS

July, 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 7,671,815 megawatt hours in July 1958 as compared with 7,099,074 one year ago, an increase of 8.1 per cent. Imports from the United States at 14,460 mwh were down 87.2 per cent from the previous July while exports at 390,714 mwh decreased 26.3 per cent. Electric energy made available for use in Canada increased 9.2 per cent to 7,295,561 mwh from 6,681,917. Of the total made available, 340,262 mwh were for use in electric boilers as compared with 216,887 mwh in July 1957.

Generation by utilities rose 2.4 per cent over the previous July while that by industry increased 33.4 per cent. Almost all of the increase in the industrial total can be accounted for by the return to normal production of the Arvida plant of the Aluminum Company of Canada, on strike between May and October, 1957.

Provincial totals of production of electric energy during July are as follows (1957 data in brackets). Quebec, 3,494,378 mwh (2,827,279); Ontario, 2,288,643 mwh (2,581,238); British Columbia, 934,391 mwh (800,829); Manitoba, 236,910 mwh (236,681); Alberta, 199,373 mwh (178,967); Saskatchewan, 144,392 mwh (130,649); New Brunswick, 126,212 mwh (112,759); Nova Scotia, 121,062 mwh (115,317); Newfoundland, 109,853 mwh (100,394); Yukon and Northwest Territories, 11,660 mwh (10,489); and Prince Edward Island, 4,941 mwh (4,472).

Prepared in the Transportation and Public Utilities Section

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Electric Energy Made Available
July, 1958

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	(Thousand kwh.)			
Net generation				
Utilities:				
Hydro	5,632,049	76,502	-	37,920
Thermal	314,510	193	4,941	71,330
Total	5,946,559	76,695	4,941	109,250
Industry:				
Hydro	1,582,981	30,838	-	3,057
Thermal	142,275	2,320	-	8,755
Total	1,725,256	33,158	-	11,812
Total net generation	7,671,815	109,853	4,941	121,062
Energy imported:				
From other provinces	xxx	668	-	-
From United States	14,460	-	-	-
Total	14,460	668	-	-
Energy exported:				
To other provinces	xxx	3,915	-	714
To United States - primary	106,279	-	-	-
secondary	284,435	-	-	-
Total	390,714	3,915	-	714
Energy made available in Canada ¹	7,295,561	106,606	4,941	120,348
Amount used in electric boilers	340,262	14,955	-	-

Cumulative totals, January - July, 1958

Net generation				
Utilities:				
Hydro	40,948,633	575,615	-	368,282
Thermal	2,537,359	5,500	34,567	429,977
Total	43,485,992	581,115	34,567	798,259
Industry:				
Hydro	11,525,520	202,603	-	23,457
Thermal	1,022,332	19,263	-	67,683
Total	12,547,852	221,866	-	91,140
Total net generation	56,033,844	802,981	34,567	889,399
Energy imported:				
From other provinces	xxx	5,953	-	-
From United States	133,999	-	-	-
Total	133,999	5,953	-	-
Energy exported:				
To other provinces	xxx	27,012	-	5,515
To United States - primary	733,713	-	-	-
secondary	1,613,831	-	-	-
Total	2,347,544	27,012	-	5,515
Energy made available in Canada ¹	53,820,299	781,922	34,567	883,884
Amount used in electric boilers	2,766,324	95,395	-	-
July, 1957				
Total net generation	7,099,074	100,394	4,472	115,317
Total energy imported	113,200	-	-	-
Total energy exported	530,357	2,873	-	651
Total made available in Canada ¹	6,681,917	97,521	4,472	114,666
Used in electric boilers	216,887	1,936	-	-
January - July, 1957				
Total net generation	52,018,920	787,732	31,560	853,893
Total energy imported	416,368	-	-	-
Total energy exported	2,885,035	26,076	-	4,929
Total made available in Canada ¹	49,550,253	761,656	31,560	848,884
Used in electric boilers	1,177,853	61,451	-	-

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

Electric Energy Made Available

July, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
91,243	2,551,662	2,119,944	233,310	40,738	77,701	396,793	6,236
5,855	12	13,099	830	94,287	111,690	12,101	172
97,098	2,551,674	2,133,043	234,140	135,025	189,391	408,894	6,408
6,748	926,742	111,118	2,770	1,619	-	494,837	5,252
22,366	15,962	44,482	-	7,748	9,982	30,660	-
29,114	942,704	155,600	2,770	9,367	9,982	525,497	5,252
126,212	3,494,378	2,288,643	236,910	144,392	199,373	934,391	11,660
1,990	4,987	509,603	45,174	160	501	39	-
27	33	13,323	-	-	-	1,077	-
2,017	5,020	522,926	45,174	160	501	1,116	-
-	511,547	1,765	160	44,481	39	501	-
3,720	44,919	57,436	2	-	-	202	-
9,078	1,501	273,016	-	-	-	840	-
12,798	557,967	332,217	162	44,481	39	1,543	-
115,431	2,941,431	2,479,352	281,922	100,071	199,835	933,964	11,660
527	277,220	23,236	16,082	-	-	6,081	2,161

Cumulative totals, January - July, 1958

390,109	18,435,645	15,214,767	1,892,218	324,588	611,662	2,892,183	43,564
78,375	223	394,779	27,257	694,902	782,572	87,742	1,465
668,484	18,435,868	15,609,546	1,919,475	1,019,490	1,394,234	2,979,925	45,029
41,738	6,762,432	857,831	147,755	11,846	-	3,448,705	29,153
164,673	109,114	335,972	1,125	49,356	66,719	208,427	-
206,411	6,871,546	1,193,803	148,880	61,202	66,719	3,657,132	29,153
874,895	25,307,414	16,803,349	2,068,355	1,080,692	1,460,953	6,637,057	74,182
14,429	34,844	3,509,638	349,169	1,434	4,153	1,567	-
172	284	123,021	-	-	-	10,522	-
14,601	35,128	3,632,659	349,169	1,434	4,153	12,089	-
-	3,483,616	12,016	42,323	344,985	1,567	4,153	-
31,399	286,667	414,907	14	-	-	726	-
54,069	16,356	1,536,630	-	-	-	6,776	-
85,468	3,786,639	1,963,553	42,337	344,985	1,567	11,655	-
804,028	21,555,903	18,472,455	2,375,187	737,141	1,463,539	6,637,491	74,182
2,421	2,170,289	165,597	261,152	-	-	56,444	15,026
112,759	2,827,279	2,581,238	236,681	130,649	178,967	800,829	10,489
1,876	11,546	416,848	44,553	162	730	105,925	-
3,527	447,430	491,021	7,675	44,396	324	900	-
111,108	2,391,395	2,507,065	273,559	86,415	179,373	905,854	10,489
28	152,801	38,224	19,899	-	-	3,086	913
776,221	21,400,191	17,552,500	1,951,750	966,613	1,344,148	6,288,671	65,641
16,600	41,297	3,195,803	327,452	1,331	13,065	244,899	-
19,353	3,273,698	2,545,892	92,311	326,999	2,893	16,963	-
173,468	18,167,790	18,202,411	2,186,891	640,945	1,354,320	6,516,607	65,641
117	698,561	116,961	231,172	-	-	62,837	6,754



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Electric Energy Made Available

July, 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	325,350	* 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	7,671,815	14,460	390,714	7,295,561	247,478	235,341
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	* 1,699,573	* 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	5,632,049	314,510	5,946,559	1,582,981	142,275	1,725,256	7,671,815
August							
September							
October							
November							
December							

* Revised.