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ELECTRIC POWER STATISTICS

June, 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 7,463,296 megawatt hours in June 1958 as compared with 6,752,005 one year ago, an increase of 10.5 per cent. Imports from the United States at 23,940 mwh were down 74.8 per cent from the previous June while exports at 255,949 mwh decreased 36.1 per cent. Electric energy made available for use in Canada increased 12.2 per cent to 7,231,287 mwh from 6,446,596. Of the total made available, 308,605 mwh were for use in electric boilers as compared with 160,029 mwh in June 1957.

Generation by utilities rose 5.8 per cent over the previous June while that by industry increased 30.6 per cent.

Provincial totals of production of electric energy during June are as follows (1957 data in brackets). Quebec, 3,453,976 mwh (2,630,178); Ontario, 2,153,211 mwh (2,396,691); British Columbia, 942,107 mwh (814,935); Manitoba, 220,749 mwh (256,450); Alberta, 192,180 mwh (180,678); Saskatchewan, 136,335 mwh (127,690); New Brunswick, 124,769 mwh (116,245); Nova Scotia, 120,909 mwh (112,905); Newfoundland, 102,558 mwh (102,419); Yukon and Northwest Territories, 11,873 mwh (9,661); and Prince Edward Island, 4,629 mwh (4,153).

Prepared in the Transportation and Public Utilities Section

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Electric Energy Made Available
June, 1958

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	(Thousand kwh.)			
Net generation				
Utilities:				
Hydro	5,473,700	71,459	-	49,310
Thermal	304,888	193	4,629	58,680
Total	5,778,588	71,652	4,629	107,990
Industry:				
Hydro	1,544,250	28,236	-	3,361
Thermal	140,458	2,670	-	9,558
Total	1,684,708	30,906	-	12,919
Total net generation	7,463,296	102,558	4,629	120,909
Energy imported:				
From other provinces	xxx	668	-	-
From United States	23,940	-	-	-
Total	23,940	668	-	-
Energy exported:				
To other provinces	xxx	3,575	-	682
To United States - primary	99,695	-	-	-
secondary	156,254	-	-	-
Total	255,949	3,575	-	682
Energy made available in Canada ¹	7,231,287	99,651	4,629	120,227
Amount used in electric boilers	308,605	9,391	-	-

Cumulative totals, January - June

Net generation				
Utilities:				
Hydro	35,317,165	499,113	-	330,362
Thermal	2,223,290	5,307	29,658	358,647
Total	37,540,455	504,420	29,658	689,009
Industry:				
Hydro	9,807,077	171,765	-	20,400
Thermal	851,995	16,943	-	58,928
Total	10,659,072	188,708	-	79,328
Total net generation	48,199,527	693,128	29,658	768,337
Energy imported:				
From other provinces	xxx	5,285	-	-
From United States	119,539	-	-	-
Total	119,539	5,285	-	-
Energy exported:				
To other provinces	xxx	23,097	-	4,801
To United States - primary	627,434	-	-	-
secondary	1,329,396	-	-	-
Total	1,956,830	23,097	-	4,801
Energy made available in Canada ¹	46,362,236	675,316	29,658	763,536
Amount used in electric boilers	2,425,646	80,440	-	-
June, 1957				
Total net generation	6,752,005	102,419	4,153	112,905
Total energy imported	95,110	-	-	-
Total energy exported	400,519	2,936	-	582
Total made available in Canada ¹	6,446,596	99,483	4,153	112,323
Used in electric boilers	160,029	2,773	-	-
January - June				
Total net generation	44,919,846	687,338	27,088	738,576
Total energy imported	303,168	-	-	-
Total energy exported	2,354,678	23,936	-	4,278
Total made available in Canada ¹	42,868,336	663,402	27,088	734,298
Used in electric boilers	960,966	59,515	-	-

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

Electric Energy Made Available
June, 1958

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
89,815	2,538,847	1,977,017	207,552	42,714	84,533	406,299	6,154
5,483	19	26,218	10,979	90,497	97,292	10,716	182
95,298	2,538,866	2,003,235	218,531	133,211	181,825	417,015	6,336
7,073	900,147	107,286	2,203	-	-	490,407	5,537
22,398	14,963	42,690	15	3,124	10,355	34,685	-
29,471	915,110	149,976	2,218	3,124	10,355	525,092	5,537
124,769	3,453,976	2,153,211	220,749	136,335	192,180	942,107	11,873
1,896	4,594	498,188	47,229	184	479	48	-
27	35	22,627	-	-	-	1,251	-
1,923	4,629	520,815	47,229	184	479	1,299	-
-	500,070	2,410	184	45,838	48	479	-
3,600	40,529	55,459	2	-	-	105	-
10,506	3,038	141,406	-	-	-	1,304	-
14,106	543,637	199,275	186	45,838	48	1,888	-
112,586	2,914,968	2,474,751	267,792	90,681	192,611	941,518	11,873
498	267,711	24,822	276	-	-	3,861	2,046

Cumulative totals, January - June

498,866	15,884,641	13,094,823	1,658,908	283,850	533,884	2,495,390	37,328
72,520	211	381,680	26,427	600,615	671,291	75,641	1,293
371,386	15,884,852	13,476,503	1,685,335	884,465	1,205,175	2,571,031	38,621
34,990	5,835,942	746,713	14,985	-	-	2,958,381	23,901
142,307	93,152	291,490	1,125	16,654	56,006	175,390	-
177,297	5,929,094	1,038,203	16,110	16,654	56,006	3,133,771	23,901
748,683	21,813,946	14,514,706	1,701,445	901,119	1,261,181	5,704,802	62,522
12,439	29,857	3,000,754	303,995	1,274	3,652	1,528	-
145	251	109,698	-	-	-	9,445	-
12,584	30,108	3,110,452	303,995	1,274	3,652	10,973	-
-	2,972,788	10,251	42,163	300,504	1,528	3,652	-
27,679	241,748	357,471	12	-	-	524	-
44,991	14,855	1,263,614	-	-	-	5,936	-
72,670	3,229,391	1,631,336	42,175	300,504	1,528	10,112	-
688,597	18,614,663	15,993,822	1,963,265	601,889	1,263,305	5,705,663	62,522
1,894	1,893,069	141,945	245,070	-	-	50,363	12,865
116,245	2,630,178	2,396,691	256,450	127,690	180,678	814,935	9,661
1,657	3,941	439,966	43,841	165	733	71,465	-
4,622	445,942	350,668	17,551	43,772	179	925	-
113,280	2,188,177	2,485,989	282,740	84,083	181,232	885,475	9,661
-	116,262	17,971	21,007	-	-	1,310	706
663,462	18,572,912	14,971,262	1,715,069	835,964	1,165,181	5,487,842	55,152
14,724	30,484	2,778,955	282,899	1,169	12,335	138,974	-
15,826	2,826,268	2,054,871	84,636	282,603	2,569	16,063	-
662,360	15,777,128	15,695,346	1,913,332	554,530	1,174,947	5,610,753	55,152
89	545,760	78,737	211,273	-	-	59,751	5,841



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Electric Energy Made Available

June, 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	*7,962,422	22,656	275,862	*7,709,216	*256,852	*248,684
June	7,463,296	23,940	255,949	7,231,287	248,777	241,043
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	*1,642,263	*152,192	*1,794,455	*7,962,422
June	5,473,700	304,888	5,778,588	1,544,250	140,458	1,684,708	7,463,296
July							
August							
September							
October							
November							
December							

* Revised.