



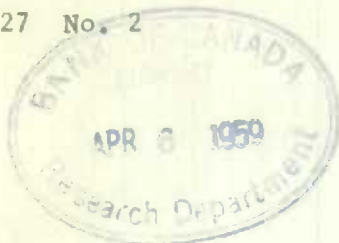
DOMINION BUREAU OF STATISTICS

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ELECTRIC POWER STATISTICS

February, 1959

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 99.1 per cent of total production in 1957.

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 produced for use in electric boilers, which is the only form of secondary consumption that can be isolated for all provinces, is deducted from energy made available in order to produce a figure more closely approximating primary consumption.

Total net generation of electric energy in Canada by firms which produce 10 million kilowatt hours or more per annum amounted to 8,099,001 megawatt hours in February 1959, an increase of 3.9 per cent over the 7,795,778 mwh. generated a year ago. Generation by utilities rose 5.7 per cent to 6,462,253 mwh. while the industrial total fell 2.6 per cent to 1,636,748 mwh.

Electric energy made available for use in Canada in February increased 4.9 per cent to 7,891,803 mwh. from 7,523,799 mwh. in 1958. Imports from the United States rose 91.2 per cent to 40,254 mwh. while exports declined 15.6 per cent to 247,452 mwh. Of the total made available 492,557 mwh. were for use in electric boilers as compared with 531,250 mwh. in February 1958. The amount shown as available for use in Canada after deducting energy used in electric boilers showed an increase of 5.8 per cent to 7,399,246 mwh. from 6,992,549 mwh.

Net generation in the first two months of the year totalled 16,872,624 mwh. compared with 16,360,216 mwh. in the comparable period of 1958, an increase of 512,408 mwh. or 3.1 per cent. Energy made available less the amount used in electric boilers increased 5.2 per cent to 15,437,578 mwh. from 14,679,569.

Prepared in the Transportation and Public Utilities Section

8504-509-19

Electric Energy Made Available

February, 1959

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	(Thousand kwh.)			
Net generation				
Utilities:				
Hydro	5,925,969	76,046	-	45,495
Thermal	536,284	3,808	5,642	71,175
Total	6,462,253	79,854	5,642	116,670
Industry:				
Hydro	1,462,624	19,648	-	2,933
Thermal	174,124	3,416	-	9,832
Total	1,636,748	23,064	-	12,765
Total net generation	8,099,001	102,918	5,642	129,435
Energy imported:				
From other provinces	xxx	-	-	-
From United States	40,254	-	-	-
Total	40,254	-	-	-
Energy exported:				
To other provinces	xxx	3,750	-	1,161
To United States - primary	94,089	-	-	-
secondary	153,363	-	-	-
Total	247,452	3,750	-	1,161
Energy made available in Canada ¹	7,891,803	99,168	5,642	128,274
Amount produced for use in electric boilers	492,557	11,733	-	-
Energy made available less amount produced for boilers ...	7,399,246	87,435	5,642	128,274

Cumulative totals, January - February, 1959

Net generation				
Utilities:				
Hydro	12,337,463	161,639	-	99,033
Thermal	1,145,787	7,535	11,917	153,007
Total	13,483,250	169,174	11,917	252,040
Industry:				
Hydro	3,035,627	52,068	-	6,133
Thermal	353,747	4,773	-	19,608
Total	3,389,374	56,841	-	25,741
Total net generation	16,872,624	226,015	11,917	277,783
Energy imported:				
From other provinces	xxx	-	-	-
From United States	79,507	-	-	-
Total	79,507	-	-	-
Energy exported:				
To other provinces	xxx	8,717	-	2,178
To United States - primary	195,321	-	-	-
secondary	327,754	-	-	-
Total	523,075	8,717	-	2,178
Energy made available in Canada ¹	16,429,056	217,298	11,917	275,605
Amount produced for use in electric boilers	991,478	31,843	-	-
Energy made available less amount produced for boilers ...	15,437,578	185,455	11,917	275,605

February, 1958

Total net generation	7,795,778	110,213	4,807	125,518
Total energy imported	21,053	-	-	-
Total energy exported	293,032	2,872	-	827
Total made available in Canada ¹	7,523,799	107,341	4,807	124,691
Produced for use in electric boilers	531,250	14,614	-	-
Total made available less amount produced for boilers	6,992,549	92,727	4,807	124,691

January - February, 1958

Total net generation	16,360,216	237,188	10,330	264,268
Total energy imported	44,443	1,946	-	-
Total energy exported	628,382	7,954	-	1,733
Total made available in Canada ¹	15,776,277	231,180	10,330	262,535
Produced for use in electric boilers	1,096,708	29,942	-	-
Total made available less amount produced for boilers	14,679,569	201,238	10,330	262,535

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

Electric Energy Made Available

February, 1959

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
40,152	2,614,724	2,241,880	308,953	44,899	67,673	478,469	7,678
46,688	1,059	91,227	7,540	120,802	172,249	15,811	283
86,840	2,615,783	2,333,107	316,493	165,701	239,922	494,280	7,961
2,040	852,624	103,589	3,083	1,661	-	473,929	3,117
34,753	16,036	50,551	1	5,655	18,501	35,379	-
36,793	868,660	154,140	3,084	7,316	18,501	509,308	3,117
123,633	3,484,443	2,487,247	319,577	173,017	258,423	1,003,588	11,078
1,459	5,109	483,069	47,489	819	668	759	-
128	48	39,063	-	-	-	1,015	-
1,587	5,157	522,132	47,489	819	668	1,774	-
-	483,366	1,822	279	47,026	1,300	668	-
1,844	37,166	54,986	3	-	-	90	-
4,606	4,160	143,741	-	-	-	856	-
6,450	524,692	200,549	282	47,026	1,300	1,614	-
118,770	2,964,908	2,808,830	366,784	126,810	257,791	1,003,748	11,078
-	384,463	37,578	42,028	-	-	15,012	1,743
118,770	2,580,445	2,771,252	324,756	126,810	257,791	988,736	9,335

Cumulative totals, January - February, 1959

94,850	5,433,457	4,671,125	608,308	94,297	158,410	999,447	16,897
85,816	1,813	214,177	22,551	260,761	353,920	33,712	576
180,666	5,435,270	4,885,302	630,859	355,058	512,330	1,033,159	17,473
4,722	1,739,921	220,764	6,563	3,499	-	995,253	6,704
74,193	31,229	103,846	1	12,342	37,861	69,894	-
78,915	1,771,150	324,610	6,564	15,841	37,861	1,065,147	6,704
259,581	7,206,420	5,209,912	637,423	370,899	550,191	2,098,306	24,177
3,173	11,613	988,024	102,215	1,639	3,039	1,429	-
245	106	77,160	-	-	-	1,996	-
3,418	11,719	1,065,184	102,215	1,639	3,039	3,425	-
-	989,018	5,792	600	99,319	2,469	3,039	-
4,589	74,214	116,319	6	-	-	193	-
11,471	9,383	305,426	-	-	-	1,474	-
16,060	1,072,615	427,537	606	99,319	2,469	4,706	-
246,939	6,145,524	5,847,559	739,032	273,219	550,761	2,097,025	24,177
-	800,959	77,725	50,351	-	-	26,727	3,873
246,939	5,344,565	5,769,834	688,681	273,219	550,761	2,070,298	20,304
117,340	3,441,158	2,408,990	298,433	159,612	218,141	902,226	9,340
2,047	4,101	456,200	51,296	250	554	1,620	-
9,241	470,176	240,370	11,161	51,231	689	1,480	-
110,146	2,975,083	2,624,820	338,568	108,631	218,006	902,366	9,340
-	440,828	20,526	43,663	-	-	9,877	1,742
110,146	2,534,255	2,604,294	294,905	108,631	218,006	892,489	7,598
245,867	7,299,265	5,065,548	637,926	329,774	448,416	1,802,405	19,229
4,414	10,533	1,047,188	104,857	509	1,476	6,512	-
20,397	992,660	601,085	28,194	104,723	1,409	3,219	-
229,884	6,317,138	5,511,651	714,589	225,560	448,483	1,805,698	19,229
461	399,166	40,267	102,147	-	-	21,227	3,498
229,423	5,417,972	5,471,384	612,442	225,560	448,483	1,784,471	15,731



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Electric Energy Made Available

January - February, 1959

Month	Total net generation	Imports from United States	Exports to United States	Total made available in Canada	Total made available less amount produced for use in boilers	Daily Average	
						Total net generation	Total made available
(Thousand kwh.)							
January	* 8,772,305	39,253	* 275,623	* 8,535,935	* 8,037,014	* 282,978	* 275,353
February	8,099,001	40,254	247,452	7,891,803	7,399,246	289,250	264,259
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							
Total							

Net generation, 1949-1959
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	65,817,043	5,572,995	71,390,038	17,155,908	1,702,865	18,858,773	90,248,811
1958 - Total	70,838,966	4,690,734	75,529,700	19,409,459	1,804,558	21,214,017	96,743,717
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	7,616,958
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	6,524,761	513,490	7,038,251	1,641,003	162,689	1,803,692	8,841,943
1959							
January	6,410,176	* 609,503	* 7,019,679	* 1,573,003	* 179,623	* 1,752,626	* 8,772,305
February	5,925,969	536,284	6,462,253	1,462,624	174,124	1,636,748	8,099,001
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							

* Revised