



## DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

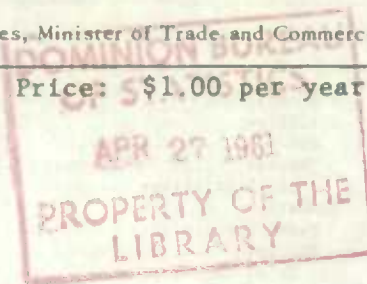
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## ELECTRIC POWER STATISTICS

February, 1961



Total net generation of electric energy in Canada by firms which produce 10 million kilowatt hours or more per annum amounted to 9,009,332 megawatt hours in February 1961, a decrease of 4.6 per cent from the 9,442,925 mwh. generated one year ago. Part of the decline may be attributed to February having one day less than last year.

Generation by utilities decreased 5.4 per cent to 6,998,934 mwh. and industrial generation decreased 1.6 per cent to 2,010,398 mwh. Most of the decrease occurred in Quebec and Ontario where late February storms disrupted electric transmission lines.

The amount made available in Canada decreased 2.5 per cent to 8,881,721 mwh. from 9,108,101 although imports in February increased to 99,161 mwh. from 13,895 and exports decreased 35.0 per cent to 226,772 mwh. from 348,719.

In order to supply 8,420,766 mwh. of electricity (a slight 0.1 per cent increase) for use in other than electric boilers the energy sold to electric boilers was reduced by 34.1 per cent to 460,955 mwh. from 699,544.

Energy generated in the twelve month period ending February 28, 1961 amounted to 113,654,599 mwh., a slight decrease from the 114,088,192 mwh. generated in the preceding 12 month period.

Monthly electric power statistics are designed to provide current information on the production and consumption of electric energy in Canada. In order to expedite the collection and compilation of returns, the series is confined to firms which generate a minimum of 10 million kilowatt hours per annum. These firms, however, accounted for 99.3 per cent of total production in 1959.

In the electric power series, net generation is defined as total generation less the amount used in station service. Net exports to the United States are deducted from total net generation in order to arrive at the amount of electric energy made available for use in Canada. Some of the amount made available is sold as surplus or secondary power and used, for the most part, in electric boilers. As this is the only form of secondary consumption that can readily be ascertained for all provinces, energy used in electric boilers is deducted from the amount made available in order to provide a figure more closely approximating primary consumption which is recognized as the more sensitive economic indicator.

Prepared in the Public Utilities Section

8506-506-21

Electric Energy Made Available

February, 1961

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
thousand kwh.				
Net generation:				
Utilities:				
Hydro .....	6,345,114	74,735	-	31,533
Thermal .....	653,820	2,460	6,941	125,480
Total utilities .....	6,998,934	77,195	6,941	157,013
Industry:				
Hydro .....	1,811,204	26,529	-	2,183
Thermal .....	199,194	5,686	-	6,940
Total industry .....	2,010,398	32,215	-	9,123
Total net generation .....	9,009,332	109,410	6,941	166,136
Energy imported:				
From other provinces .....	...	-	-	-
From United States .....	99,161	-	-	-
Total imported .....	99,161	-	-	-
Energy exported:				
To other provinces .....	...	7,692	-	18,717
To United States - Primary .....	87,633	-	-	-
Secondary .....	139,139	-	-	-
Total exported .....	226,772	7,692	-	18,717
Energy made available in Canada(1) .....	8,881,721	101,718	6,941	147,419
Amount used in electric boilers .....	460,955	-	-	-
Energy made available less amount used in boilers .....	8,420,766	101,718	6,941	147,419
Cumulative totals, January - February, 1961				
Net generation:				
Utilities:				
Hydro .....	13,472,415	159,627	-	74,516
Thermal .....	1,333,778	3,759	15,095	238,372
Total utilities .....	14,806,193	163,386	15,095	312,888
Industry:				
Hydro .....	3,780,236	57,911	-	4,483
Thermal .....	402,844	9,635	-	14,942
Total industry .....	4,183,080	67,546	-	19,425
Total net generation .....	18,989,273	230,932	15,095	332,313
Energy imported:				
From other provinces .....	...	-	-	-
From United States .....	194,811	-	-	-
Total imported .....	194,811	-	-	-
Energy exported:				
To other provinces .....	...	14,195	-	31,204
To United States - Primary .....	184,474	-	-	-
Secondary .....	320,147	-	-	-
Total exported .....	504,621	14,195	-	31,204
Energy made available in Canada(1) .....	18,679,463	216,737	15,095	301,109
Amount used in electric boilers .....	1,042,417	1,555	-	-
Energy made available less amount used in boilers .....	17,637,046	215,182	15,095	301,109
February, 1960				
Total net generation .....	9,442,925	124,888	6,286	143,594
Total energy imported .....	13,895	-	-	-
Total energy exported .....	348,719	5,289	-	1,364
Total made available in Canada(1) .....	9,108,101	119,599	6,286	142,230
Amount used in electric boilers .....	699,544	13,829	-	-
Total made available less amount used in boilers .....	8,408,557	105,770	6,286	142,230
January - February, 1960				
Total net generation .....	19,331,138	252,545	13,254	296,882
Total energy imported .....	36,336	-	-	-
Total energy exported .....	752,989	10,406	-	2,756
Total made available in Canada(1) .....	18,614,485	242,139	13,254	294,126
Amount used in electric boilers .....	1,393,905	28,041	-	-
Total made available less amount used in boilers .....	17,220,580	214,098	13,254	294,126

(1) Includes interruptible and at-will energy and energy used in electric boilers.  
... Figures not appropriate or not applicable.



Electric Energy Made Available

February, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
32,708	2,893,070	2,366,949	299,286	50,621	72,809	513,501	9,902
41,760	57	102,013	7,023	143,032	204,904	18,504	1,646
74,468	2,893,127	2,468,962	306,309	193,653	277,713	532,005	11,548
2,031	1,132,852	98,733	3,832	2,738	-	539,041	3,265
41,082	20,006	56,302	-	4,008	23,784	41,386	-
43,113	1,152,858	155,035	3,832	6,746	23,784	580,427	3,265
117,581	4,045,985	2,623,997	310,141	200,399	301,497	1,112,432	14,813
20,289	9,278	499,839	71,280	408	1,525	203	-
124	60	97,388	-	-	-	1,589	-
20,413	9,338	597,227	71,280	408	1,525	1,792	-
-	501,411	20,231	408	52,635	203	1,525	-
9,008	26,571	51,953	-	-	-	101	-
1,812	9,002	126,863	3	-	-	1,459	-
10,820	536,984	199,047	411	52,635	203	3,085	-
127,174	3,518,339	3,022,177	381,010	148,172	302,819	1,111,139	14,813
-	390,189	39,926	1,489	-	-	25,552	3,799
127,174	3,128,150	2,982,251	379,521	148,172	302,819	1,085,587	11,014

Cumulative totals, January - February, 1961

86,904	6,081,258	5,077,026	642,693	106,579	149,748	1,073,144	20,920
89,024	422	183,278	15,699	309,552	436,697	38,685	3,195
175,928	6,081,680	5,260,304	658,392	416,131	586,445	1,111,829	24,115
5,287	2,328,340	219,257	8,203	5,793	-	1,144,377	6,585
84,080	41,376	113,527	-	8,316	48,170	82,798	-
89,367	2,369,716	332,784	8,203	14,109	48,170	1,227,175	6,585
265,295	8,451,396	5,593,088	666,595	430,240	634,615	2,339,004	30,700
34,591	17,837	1,065,392	166,612	799	2,424	601	-
248	130	191,344	-	-	-	3,089	-
34,839	17,967	1,256,736	166,612	799	2,424	3,690	-
-	1,068,779	59,178	799	111,076	601	2,424	-
17,718	56,385	110,148	-	-	-	223	-
4,622	19,005	291,932	7	-	-	4,581	-
22,340	1,144,169	461,258	806	111,076	601	7,228	-
277,794	7,325,194	6,388,566	832,401	319,963	636,438	2,335,466	30,700
-	837,493	103,596	38,315	-	-	52,734	8,724
277,794	6,487,701	6,284,970	794,086	319,963	636,438	2,282,732	21,976
143,611	4,237,871	2,870,856	330,568	190,138	289,596	1,093,284	12,233
2,797	6,793	570,951	68,772	619	1,446	2,642	-
12,753	604,371	309,536	335	51,243	938	3,015	-
133,655	3,640,293	3,132,271	399,005	139,514	290,104	1,092,911	12,233
-	553,004	57,195	48,346	-	-	25,540	1,630
133,655	3,087,289	3,075,076	350,659	139,514	290,104	1,067,371	10,603
296,781	8,593,678	5,919,148	686,326	395,083	599,924	2,251,800	25,717
5,836	13,705	1,164,352	141,412	1,313	3,270	10,654	-
27,025	1,232,810	670,031	708	105,339	1,822	6,298	-
275,592	7,374,573	6,413,469	827,030	291,057	601,372	2,256,156	25,717
-	1,100,103	114,621	96,670	-	-	51,075	3,395
275,592	6,274,470	6,298,848	730,360	291,057	601,372	2,205,081	22,322



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Electric Energy Made Available

January - February, 1961

Month	Total net generation	Imports from United States	Exports to United States	Total made available in Canada	Total made available less amount used in boilers	Daily Average	
						Total net generation	Total made available
thousand kwh.							
January .....	9,979,248	95,650	277,849	9,797,049	9,215,587	321,911	316,034
February .....	9,009,332	99,161	226,772	8,881,721	8,420,766	321,762	317,204
March .....							
April .....							
May .....							
June .....							
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							
Year .....							

Net Generation, 1949-61

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	..	..	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 .....	64,013,966	4,292,898	68,306,864	..	..	19,119,968	87,426,832
1957 .....	65,817,043	5,572,995	71,390,038	17,155,908	1,714,697	18,870,605	90,260,643
1958 .....	70,838,966	4,690,734	75,529,700	19,409,459	1,816,609	21,226,068	96,755,768
1959 .....	77,251,848	5,286,363	82,538,211	19,265,330	2,052,553	21,317,883	103,856,094
1960 .....	83,024,886	5,931,279	88,956,165	22,743,499	2,297,493	25,040,992	113,997,157
1960 January .....	7,321,813	505,605	7,827,418	1,869,453	191,342	2,060,795	9,888,213
February .....	6,933,208	466,596	7,399,804	1,856,992	186,129	2,043,121	9,442,925
March .....	7,291,110	527,259	7,818,369	2,028,749	221,467	2,250,216	10,068,585
April .....	6,881,069	412,595	7,293,664	1,929,442	185,714	2,115,156	9,408,820
May .....	6,987,146	403,964	7,391,110	1,778,285	198,432	1,976,717	9,367,827
June .....	6,778,899	383,823	7,162,722	1,778,372	191,594	1,969,966	9,132,688
July .....	6,641,461	403,830	7,045,291	1,835,921	173,298	2,009,219	9,054,510
August .....	6,717,367	491,613	7,208,980	1,926,008	188,389	2,114,397	9,323,377
September .....	6,625,090	536,620	7,161,710	1,895,961	191,613	2,087,574	9,249,284
October .....	6,821,417	598,936	7,420,353	1,962,466	188,592	2,151,058	9,571,411
November .....	6,893,835	578,001	7,471,836	1,918,275	194,334	2,112,609	9,584,445
December .....	7,132,471	622,437	7,754,908	1,963,575	186,589	2,150,164	9,905,072
1961 January .....	7,126,607	679,959	7,806,566	1,969,032	203,650	2,172,682	9,979,248
February .....	6,345,114	653,820	6,998,934	1,811,204	199,194	2,010,398	9,009,332
March .....							
April .....							
May .....							
June .....							
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							

.. Figures not available.