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Monthly



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ELECTRIC POWER STATISTICS

August, 1960

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 1958.

Prior to 1957, statistics in the monthly series related only to power produced for sale. This included all of the energy produced by electric utilities but only a comparatively small amount of the generation of industrial establishments which are defined as concerns which generated electricity primarily for use in own plant. Since January 1957 when industrial establishments commenced reporting their entire production, the industrial group has accounted for approximately 21 per cent of the total production of electric energy in Canada.

Early in 1957, industrial establishments were asked to provide generation figures on the revised basis for the period 1949-1956. In some instances estimates had to be made. The results for Canada and the provinces were published as a supplement to the June 1957 report. The Supplement issued with the January 1960 report brings the provincial historical tables up to date and in line with Canada totals which are shown regularly in the monthly report.

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.

Total net generation of electric energy in Canada by firms, which produce 10 million kilowatt hours or more per annum, amounted to 9,323,177 megawatt hours in August 1960, a rise of 15.0 per cent over the 8,107,636 mwh. generated one year ago. Generation by utilities rose 13.3 per cent to 7,208,980 mwh. while production by industrial establishments increased 21.3 per cent to 2,114,197 mwh.

The amount of electric energy made available for use in Canada in August rose 11.2 per cent to 8,704,449 mwh. from 7,826,977 in 1959. Net exports to the United States increased 120.5 per cent with imports down 43,367 mwh. to 9,280 and exports up 294,702 to 628,008.

Electric energy used in electric boilers showed an increase of 29.7 per cent to 531,277 mwh. with the result that the amount remaining for mostly non-secondary uses increased 10.2 per cent to 8,173,172 from 7,417,340.

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Electric Energy Made Available

August, 1960

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
(Thousand kwh.)				
Net generation				
Utilities:				
Hydro	6,717,367	83,877	-	39,340
Thermal	491,613	484	6,488	94,788
Total	7,208,980	84,361	6,488	134,128
Industry:				
Hydro	1,926,008	33,869	-	1,914
Thermal	188,189	2,707	-	7,429
Total	2,114,197	36,576	-	9,343
Total net generation	9,323,177	120,937	6,488	143,471
Energy imported:				
From other provinces	xxx	-	-	-
From United States	9,280	-	-	-
Total	9,280	-	-	-
Energy exported:				
To other provinces	xxx	7,801	-	1,152
To United States - primary	114,019	-	-	-
secondary	513,989	-	-	-
Total	628,008	7,801	-	1,152
Energy made available in Canada¹	8,704,449	113,136	6,488	142,319
Amount used in electric boilers	531,277	2,286	-	-
Energy made available less amount used in boilers	8,173,172	110,850	6,488	142,319

Cumulative totals, January - August, 1960

Net generation				
Utilities:				
Hydro	55,554,973	710,393	-	454,986
Thermal	3,575,285	5,531	50,143	586,337
Total	59,130,258	715,924	50,143	1,041,333
Industry:				
Hydro	15,008,675	245,923	-	26,786
Thermal	1,534,165	19,324	-	67,034
Total	16,542,840	265,247	-	93,760
Total net generation	75,673,098	981,171	50,143	1,135,083
Energy imported:				
From other provinces	xxx	-	-	-
From United States	179,497	-	-	-
Total	179,497	-	-	-
Energy exported:				
To other provinces	xxx	52,639	-	9,692
To United States - primary	865,710	-	-	-
secondary	3,105,250	-	-	-
Total	3,970,960	52,639	-	9,692
Energy made available in Canada¹	71,881,635	928,532	50,143	1,125,391
Amount used in electric boilers	5,033,484	63,741	-	-
Energy made available less amount used in boilers	66,848,151	864,791	50,143	1,125,385

August, 1959

Total net generation	8,107,636	109,954	5,867	127,520
Total energy imported	52,647	-	-	-
Total energy exported	333,306	3,828	-	1,080
Total made available in Canada ¹	7,826,977	106,126	5,867	126,440
Amount used in electric boilers	409,637	3,872	-	-
Total made available less amount used in boilers	7,417,340	102,254	5,867	126,440

January - August, 1959

Total net generation	67,517,158	905,291	45,100	1,063,002
Total energy imported	363,978	-	-	-
Total energy exported	3,085,322	33,475	-	8,756
Total made available in Canada ¹	64,795,814	871,816	45,100	1,054,246
Amount used in electric boilers	4,116,101	95,833	-	-
Total made available less amount used in boilers	60,679,713	775,983	45,100	1,054,246

¹. Includes interruptible and at-will energy and energy used in electric boilers.

