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OUTPUT OF CENTRAL ELECTRIC STATIONS IN CANADA

DECEMBER, 1938

The output of central electric stations for December amounted to 2,349,844,000 kilowatt hours, a decrease from the December 1937 output of 108,152,000 kilowatt hours. This decrease was all in secondary power for electric boilers which dropped from 669,451,000 kilowatt hours to 552,557,000 kilowatt hours.

Exports to the United States increased from 159,093,000 kilowatt hours a year ago to 161,290,000 kilowatt hours.

Consumption of firm power increased from 1,629,452,000 kilowatt hours in 1937 to 1,635,997,000 kilowatt hours. This is the second highest for any month in the history of the industry, the high record of 1,655,879,000 kilowatt hours being made in October, 1937.

The output of these large stations making monthly reports for the year was 25,994,238,000 kilowatt hours which is approximately 99 per cent of the total output of all stations. This compares with 27,583,927,000 kilowatt hours for 1937. Practically all of this decrease of 1,689,689,000 kilowatt hours was secondary power for electric boilers which dropped from 7,313,014,000 kilowatt hours to 5,787,537,000 kilowatt hours, or by 1,525,477,000 kilowatt hours or 26 per cent.

Exports to the United States dropped from 1,847,100,000 kilowatt hours in 1937 to 1,826,514,000 kilowatt hours. The off-peak exports included in these were 451,600,000 kilowatt hours in 1937 and 453,233,000 kilowatt hours in 1938.

The total output less exports and deliveries of secondary power to electric boilers amounted to 18,380,187,000 kilowatt hours compared with 18,423,813,000 kilowatt hours in 1937, a decrease of 43,626,000 kilowatt hours, or less than a quarter of one per cent.

OUTPUT OF CENTRAL ELECTRIC STATIONS
(Thousands of Kilowatt Hours)

	Total	Maritime Provinces	Quebec	Ontario	Prairie Provinces	British Columbia
<u>MONTHLY OUTPUTS</u>						
<u>Generated by Water Power</u>						
Dec., 1938	2,307,254	59,727	1,234,707	661,657	183,639	167,524
Nov., 1938	x 2,334,493	61,652	x1,287,028	x649,491	176,290	160,032
Dec., 1937	2,409,935	60,432	1,282,770	715,242	181,165	170,326
<u>Generated by Fuel</u>						
Dec., 1938	42,590	16,275	397	...	25,187	731
Nov., 1938	41,168	16,293	373	...	24,169	333
Dec., 1937	48,061	23,427	355	42	23,651	586
<u>Total Output</u>						
Dec., 1938	2,349,844	76,002	1,235,104	661,657	208,826	168,255
Nov., 1938	x 2,375,661	77,945	x1,287,401	x649,491	200,459	160,365
Dec., 1937	2,457,996	83,859	1,283,125	715,284	204,816	170,912
<u>Total to Date</u>						
1938	25,994,238	868,532	13,681,002	7,435,469	2,065,213	1,944,022
1937	27,583,926	946,794	14,318,719	8,478,496	2,060,887	1,779,030
<u>PROVINCIAL CONSUMPTIONS 1/</u>						
Dec., 1938	2,188,554	74,478	949,458	787,673	210,374	166,571
Nov., 1938	x 2,210,362	76,581	x1,010,527	x 762,560	201,940	158,754
Dec., 1937	2,298,903	82,267	1,032,743	808,288	206,381	169,224
<u>Total to Date</u>						
1938	24,167,884	852,270	10,701,784	8,605,943	2,082,771	1,925,116
1937	25,736,827	931,024	11,819,327	9,147,705	2,078,799	1,759,972

INDEX NUMBERS

	January	February	March	April	May	June
						<u>TOTAL</u>
1936	201.54	196.42	210.40	223.02	210.30	215.76
1937	223.35	225.22	237.66	239.32	232.28	239.83
1938	219.82	215.88	222.48	212.63	210.15	209.82
					<u>OUTPUT LESS EXPORTS AND</u>	
1936	172.69	167.92	173.51	177.51	176.07	181.29
1937	180.22	180.02	191.69	198.08	195.08	200.48
1938	190.01	191.82	196.22	193.72	192.93	195.35

1/ Production plus provincial imports less provincial exports.

x Revised.

OUTPUT OF CENTRAL ELECTRIC STATIONS
(Thousands of Kilowatt Hours)

Total	Maritime Provinces	Quebec	Ontario	Prairie Provinces	British Columbia
<u>DAILY AVERAGE OUTPUTS 2/</u>					
74,428 x 77,815 77,740	1,927 2,055 1,949	39,829 x 42,901 41,380	21,344 21,649 23,073	5,924 5,876 5,844	5,404 5,334 5,494
1,374 1,372 1,550	525 543 756	13 12 11 1	812 806 763	24 11 19
75,802 x 79,187 79,290	2,452 2,598 2,705	39,842 x 42,913 41,391	21,344 21,649 23,074	6,736 6,682 6,607	5,428 5,345 5,513
71,217 75,572	2,380 2,594	37,482 39,229	20,371 23,229	5,658 5,646	5,326 4,874
<u>DELIVERIES TO ELECTRIC BOILERS</u>					
552,557 596,146 669,451	(3) 6,531 7,042 6,891	386,429 441,513 519,203	102,494 94,086 84,458	(4) 56,812 53,205 58,356	291 300 543
5,787,537 7,313,014	80,408 42,460	4,298,642 5,786,682	965,928 1,000,753	438,824 476,986	3,735 6,133

(AVERAGE, 1926 = 100)

July	August	September	October	November	December
<u>OUTPUT</u>					
215.84 233.67 212.28	212.47 231.12 217.88	210.97 227.81 223.61	216.25 224.27 220.89	215.65 230.21 x 226.49	219.36 231.83 221.63
<u>DELIVERIES TO ELECTRIC BOILERS</u>					
182.36 202.60 196.91	182.71 203.38 199.24	184.29 204.53 198.95	183.13 197.80 194.08	178.22 196.34 x 194.14	179.39 192.73 193.50

2/ No allowance is made for the effect of holidays, Sundays or Saturdays, etc.

3/ New Brunswick only.

4/ Manitoba only.



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OUTPUT OF CENTRAL ELECTRIC STATIONS
(Thousands of Kilowatt Hours)

Month	1934	1935	1936	1937	1938
January	1,725,264	2,012,742	2,091,497	2,317,906	2,281,299
February	1,614,425	1,803,447	1,938,978	2,146,578	2,057,598
March	1,797,334	1,943,555	2,135,640	2,412,259	2,258,197
April	1,697,909	1,881,029	2,164,628	2,322,884	2,063,801
May	1,830,820	1,923,071	2,083,363	2,301,167	2,081,935
June	1,706,632	1,816,250	2,028,980	2,255,338	1,973,155
July	1,621,314	1,791,544	2,021,147	2,188,055	1,987,774
August	1,676,865	1,851,153	2,020,416	2,197,725	2,071,901
September	1,627,289	1,919,213	2,041,423	2,204,291	2,163,645
October	1,853,226	<u>2,162,569</u>	2,280,508	2,365,052	2,329,428
November	1,953,512	2,143,314	2,261,979	2,414,676	x <u>2,375,661</u>
December	<u>2,052,940</u>	2,156,525	<u>2,325,733</u>	<u>2,457,996</u>	2,349,844
TOTAL	21,159,530	23,404,412	25,394,292	27,583,927	25,994,238

EXPORTS TO THE UNITED STATES

January	100,485	113,878	118,050	134,931	157,532
February	102,151	109,524	110,684	138,041	123,094
March	112,115	103,957	125,921	<u>172,695</u>	144,091
April	63,105	97,475	125,496	164,250	135,616
May	111,000	94,256	130,530	161,033	155,292
June	113,640	107,994	<u>157,871</u>	158,657	158,313
July	105,856	93,348	157,543	164,057	159,349
August	<u>115,988</u>	130,305	143,342	162,617	149,493
September	107,114	142,177	125,127	143,441	151,691
October	107,122	<u>146,530</u>	129,323	142,736	<u>165,455</u>
November	99,714	112,305	126,152	145,549	x 165,298
December	110,508	112,838	128,070	159,093	161,290
TOTAL	1,248,798	1,364,587	1,578,109	1,847,100	1,826,514

OUTPUT LESS EXPORTS AND DELIVERIES TO ELECTRIC BOILERS

January	1,216,922	1,344,646	1,413,216	1,474,787	1,554,892
February	1,117,047	1,193,820	1,298,872	1,344,387	1,432,541
March	1,239,377	1,321,545	1,387,512	1,532,912	1,569,139
April	1,141,203	1,267,776	1,353,605	1,510,508	1,477,217
May	1,244,982	1,304,893	1,371,404	1,519,545	1,502,741
June	1,158,889	1,245,659	1,353,080	1,496,283	1,457,978
July	1,159,301	1,270,867	1,359,445	1,510,365	1,467,938
August	1,191,218	1,306,710	1,386,797	1,543,699	1,512,244
September	1,173,190	1,317,312	1,417,821	1,573,502	1,530,546
October	1,290,580	<u>1,415,896</u>	<u>1,533,075</u>	<u>1,655,879</u>	1,624,738
November	1,292,686	1,394,955	1,481,813	1,632,494	x 1,614,216
December	<u>1,348,205</u>	1,411,097	1,516,702	1,629,452	<u>1,635,997</u>
TOTAL	14,573,600	15,795,176	16,873,342	18,423,813	18,380,187