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OUTPUT OF CENTRAL ELECTRIC STATIONS IN CANADA

DECEMBER, 1939.

Central electric stations produced 2,534,759,000 kilowatt hours in December compared with 2,353,196,000 kilowatt hours in December 1938. Compared with November 1939 output there was a decrease of 67,690,000 kilowatt hours or 2.6 per cent and on an average daily basis a decrease of 5.7 per cent. The decrease in the total was all in the eastern provinces, the Maritime Provinces showing a decrease of 6,000,000 kilowatt hours and Quebec a decrease of 76,232,000 kilowatt hours or 5.4 per cent. Conservation of water because of light precipitation was the cause of reduced output at some of the large plants.

Exports to the United States were reduced to 150,131,000 kilowatt hours from 161,290,000 kilowatt hours in December 1938 and 155,246,000 kilowatt hours in November 1939. Deliveries of secondary power to electric boilers dropped to 566,655,000 kilowatt hours from 637,114,000 kilowatt hours in November.

Consumption of firm power reached a new high at 1,817,974,000 kilowatt hours compared with the previous record of 1,810,089,000 for November but after adjusting for the different number of days and other seasonal factors the index number dropped from 217.70 for November to 215.02.

For the year the total output was 28,350,943,000 kilowatt hours. This was a new high and was an increase of 9.0 per cent over the 1938 output of 26,012,805,000 kilowatt hours and of 2.8 per cent over the 1937 output of 27,583,927,000 kilowatt hours.

Exports to the United States in 1939 amounted to 1,912,625,000 kilowatt hours including exports of 487,928,000 of secondary power compared with a total of 1,826,515,000 kilowatt hours in 1938 including exports of 453,233,000 kilowatt hours of secondary power.

Deliveries of secondary power to electric boilers amounted to 6,591,114,000 kilowatt hours or 23 per cent of the total output. This was an increase of 14.6 per cent over the 1938 deliveries but 10.2 per cent below the 1937 deliveries. Consumption of firm power during the year, computed by deducting exports and deliveries of secondary power to electric boilers from total output for the year, amounted to 19,847,205,000 kilowatt hours. This also was a new high record exceeding the previous peak of 18,434,940,000 kilowatt hours for 1938 by 7.7 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>						
December, 1939	2,484,951	57,973	1,334,773	737,994	176,496	177,715
November, 1939	x2,554,304	64,352	1,411,050	x737,240	169,871	171,791
December, 1938	2,310,606	59,729	1,236,855	662,340	184,158	167,524
<u>Generated by Fuel</u>						
December, 1939	49,808	21,792	483	...	26,862	671
November, 1939	48,145	21,413	438	...	25,891	403
December, 1938	42,590	16,275	397	...	25,187	731
<u>Total Output</u>						
December, 1939	2,534,759	79,765	1,335,256	737,994	203,358	178,386
November, 1939	x2,602,449	85,765	1,411,488	x737,240	195,762	172,194
December, 1938	2,353,196	76,004	1,237,252	662,340	209,345	168,255
<u>Total to Date</u>						
1939	28,350,943	895,339	15,222,895	8,062,653	2,186,657	1,983,399
1938	26,012,805	872,396	13,694,502	7,436,153	2,065,732	1,944,022
<u>PROVINCIAL CONSUMPTIONS 1/</u>						
December, 1939	2,384,629	77,785	1,015,906	909,298	205,118	176,522
November, 1939	x2,447,203	84,466	1,080,966	x913,912	197,360	170,499
December, 1938	2,191,906	74,480	951,606	788,356	210,893	166,571
<u>Total to Date</u>						
1939	26,438,320	877,262	11,671,951	9,720,436	2,205,332	1,963,339
1938	24,186,290	855,971	10,715,286	8,606,627	2,083,291	1,925,115
<u>INDEX NUMBERS</u>						
	January	February	March	April	May	June
						<u>TOTAL</u>
1937	223.35	225.22	237.66	239.32	232.28	239.83
1938	220.06	215.88	222.48	212.63	210.15	209.82
1939	230.01	232.31	233.17	226.39	235.54	238.79
<u>OUTPUT LESS EXPORTS AND</u>						
1937	180.22	180.02	191.69	198.08	195.08	200.48
1938	190.46	192.28	196.71	194.12	193.33	197.01
1939	201.02	199.31	201.83	204.59	208.47	212.63

1/ Production plus provincial imports less provincial exports.

3/ New Brunswick only.

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>						
	80,159	1,870	43,057	23,806	5,693	5,733
	x85,143	2,145	47,035	x24,575	5,662	5,726
	74,536	1,927	39,898	21,366	5,941	5,404
	1,607	703	16	...	867	21
	1,605	714	15	...	863	13
	1,374	525	13	...	812	24
	81,766	2,573	43,073	23,806	6,560	5,754
	x86,748	2,859	47,050	x24,575	6,525	5,739
	75,910	2,452	39,911	21,366	6,753	5,428
	77,674	2,453	41,707	22,089	5,991	5,434
	71,268	2,390	37,519	20,373	5,660	5,326
<u>DELIVERIES TO ELECTRIC BOILERS</u>						
	566,655	<u>3/</u> 3,673	410,190	107,168	<u>4/</u> 45,398	226
	x637,114	4,250	x477,645	x114,360	40,588	271
	551,893	6,531	385,765	102,494	56,812	291
	6,591,114	49,167	4,774,593	1,296,408	467,834	3,112
	5,751,350	80,408	4,258,934	969,448	438,824	3,736

(AVERAGE, 1926 = 100)

	July	August	September	October	November	December
<u>OUTPUT</u>						
	233.67	231.12	227.81	224.27	230.21	231.83
	212.28	218.31	224.10	221.27	<u>226.49</u>	221.95
	235.56	241.14	246.03	245.59	x248.11	239.07
<u>DELIVERIES TO ELECTRIC BOILERS</u>						
	202.60	203.38	<u>204.53</u>	197.80	196.34	192.73
	196.70	<u>200.06</u>	199.84	194.89	194.51	193.98
	212.90	216.25	216.84	215.50	x217.70	215.02

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





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OUTPUT OF CENTRAL ELECTRIC STATIONS  
(Thousands of Kilowatt Hours)

Month	1935	1936	1937	1938	1939
January	2,012,742 *	2,091,497 *	2,317,906	2,283,691	2,386,979
February	1,803,337 *	1,938,978 *	2,146,578	2,057,598	2,214,174
March	1,943,555 *	2,135,640 *	2,412,259	2,258,197	2,366,740
April	1,881,029 *	2,164,628 *	2,322,884	2,063,801	2,197,379
May	1,923,071 *	2,083,363 *	2,301,167	2,081,935	2,333,443
June	1,816,250 *	2,028,980 *	2,255,338	1,973,155	2,245,537
July	1,791,544 *	2,021,147 *	2,188,055	1,987,774	2,205,844
August	1,851,153 *	2,020,416 *	2,197,725	2,075,901	2,293,032
September	1,919,213 *	2,041,423 *	2,204,291	2,168,435	2,380,651
October	2,162,569 *	2,280,508 *	2,365,052	2,333,461	2,589,956
November	2,143,314 *	2,261,979 *	2,414,676	2,375,661	x2,602,449
December	2,156,525 *	2,325,733 *	2,457,996	2,353,196	2,534,759
TOTAL	23,404,412	25,394,292	27,583,927	26,012,805	28,350,943

EXPORTS TO THE UNITED STATES

January	113,878 *	118,050 *	134,931	157,532	166,915
February	109,524 *	110,684 *	138,041	123,094	153,491
March	103,957 *	125,921 *	172,695	144,091	165,422
April	97,475 *	125,496 *	164,250	135,616	141,523
May	94,256 *	130,530 *	161,033	155,292	164,520
June	107,994 *	157,871 *	158,657	158,313	163,063
July	93,348 *	157,543 *	164,057	159,349	162,973
August	130,305 *	143,342 *	162,617	149,493	177,834
September	142,177 *	125,127 *	143,441	151,691	159,713
October	146,530 *	129,323 *	142,736	165,455	151,794
November	112,305 *	126,152 *	145,549	165,299	155,246
December	112,838 *	128,070 *	159,093	161,290	150,131
TOTAL	1,364,587	1,578,109 *	1,847,100	1,826,515	1,912,625

OUTPUT LESS EXPORTS AND DELIVERIES TO ELECTRIC BOILERS

January	1,344,646 *	1,413,216	1,474,787	1,558,575	1,644,983
February	1,193,820 *	1,298,872	1,344,387	1,435,998	1,488,480
March	1,321,545 *	1,387,512	1,532,912	1,573,090	1,613,989
April	1,267,776 *	1,353,605	1,510,508	1,480,284	1,560,142
May	1,304,893 *	1,371,404	1,519,545	1,505,826	1,623,856
June	1,245,659 *	1,353,080	1,496,283	1,470,027	1,586,964
July	1,270,867 *	1,359,445	1,510,365	1,466,399	1,587,154
August	1,306,710 *	1,386,797	1,543,699	1,518,479	1,641,340
September	1,317,312 *	1,417,821	1,573,502	1,537,426	1,668,186
October	1,415,896 *	1,533,075	1,655,879	1,631,513	1,804,048
November	1,394,955 *	1,481,813	1,632,494	1,617,311	x1,810,089
December	1,411,097 *	1,516,702	1,629,452	1,640,012	1,817,974
TOTAL	15,795,176	16,873,342	18,423,813	18,434,940	19,847,205