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OUTPUT OF CENTRAL ELECTRIC STATIONS IN CANADA

OCTOBER, 1940

Total output of central electric stations during October increased to 2,487,455,000 kw. h. from 2,399,678,000 kw. h. for September. The index however, adjusted for the different number of days in the months and other seasonal factors, declined to 235.87 as against 248.00.

The decrease in total output compared with the October 1939 total of 2,589,956,000 kw. h. was all in secondary power as shown below.

	Oct. 1939	Aug. 1940	Sept. 1940	Oct. 1940
	(Thousand kw. h.)			
Total Output	2,589,956	2,500,179	2,399,678	2,487,455
Secondary Power For Electric Boilers	634,114	366,951	279,003	246,319
For Export	27,230	71,517	70,380	65,337
	661,344	438,468	349,383	311,656
Firm Power	1,928,612	2,061,711	2,050,295	2,175,799
Daily Average	62,213	66,507	68,343	70,187

These data are often used to measure the industrial activity in the provinces. For this purpose the gross output might be misleading. The better data are the consumptions of firm power computed by subtracting from total output the provincial exports and deliveries of secondary power to electric boilers and adding provincial imports. The daily average is also better than the monthly total, but adjustments should be made for the five Sundays in October 1939, and September 1940.

The daily averages of firm power consumption were:

	Total	Maritime Provinces	Quebec	Ontario	Prairie Provinces	British Columbia
	(Thousand kw. h.)					
October 1940	66,846	2,344	25,277	27,878	5,453	5,894
September 1940	64,456	2,250	24,021	27,243	5,103	5,839
October 1939	58,195	2,305	19,809	25,327	5,176	5,578

Total exports to the United States amounted to 168,904,000 kw. h. compared with 186,983,000 kw. h. in September and 151,794,000 kw. h. in October 1939.

OUTPUT OF CENTRAL ELECTRIC STATIONS
(Thousands of Kilowatt Hours)

	Total	Maritime Provinces	Quebec	Ontario	Prairie Provinces	British Columbia	
<u>MONTHLY OUTPUTS</u>							
<u>Total Output</u>							
October, 1940	2,487,455	74,512	1,313,254	733,651	181,440	184,598	
September, 1940	2,399,678	68,689	1,279,699	718,771	155,414	177,105	
October, 1939	2,589,956	78,877	1,394,323	748,704	193,098	174,954	
<u>Generated by Water Power</u>							
October, 1940	2,437,742	53,194	1,312,754	733,651	156,341	181,802	
September, 1940	2,352,996	48,793	1,279,259	718,771	132,413	173,760	
October, 1939	2,542,399	58,853	1,393,914	748,704	167,560	173,368	
<u>Generated by Fuel</u>							
October, 1940	49,713	21,318	500		25,099	2,796	
September, 1940	46,682	19,896	440		23,001	3,345	
October, 1939	47,557	20,024	409		25,538	1,586	
<u>Total to Date</u>							
1940	24,971,047	730,972	13,374,621	7,331,039	1,793,577	1,740,838	
1939	23,213,736	729,811	12,476,150	6,587,419	1,787,537	1,632,819	
<u>PROVINCIAL CONSUMPTIONS 1/</u>							
October, 1940	2,318,551	72,671	984,374	895,602	182,968	182,936	
September, 1940	2,212,695	67,504	958,762	854,036	156,838	175,555	
October, 1939	2,438,162	77,412	1,090,292	902,530	194,789	173,139	
<u>Total to Date</u>							
1940	23,220,853	715,849	10,108,667	8,863,177	1,810,946	1,722,214	
1939	21,606,488	715,011	9,575,079	7,897,226	1,802,855	1,616,317	
<u>INDEX NUMBERS</u>							
	January	February	March	April	May	June	
<u>TOTAL</u>							
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	
1940	243.42	239.79	239.02	247.14	269.67	274.24	
<u>OUTPUT LESS EXPORTS AND</u>							
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	
1940	226.46	223.33	229.52	240.58	249.27	249.31	

1/ Production plus provincial imports less provincial exports.

3/ New Brunswick only.

OUTPUT OF CENTRAL ELECTRIC STATIONS
(Thousands of Kilowatt Hours)

	Total	Maritime Provinces	Quebec	Ontario	Prairie Provinces	British Columbia
			<u>DAILY AVERAGE OUTPUTS 2/</u>			
	80,241	2,404	42,363	23,666	5,853	5,955
	79,989	2,289	42,657	23,959	5,181	5,903
	83,547	2,544	44,978	24,152	6,229	5,644
	78,637	1,716	42,347	23,666	5,043	5,865
	78,433	1,626	42,642	23,959	4,414	5,792
	82,013	1,898	44,965	24,152	5,405	5,593
	1,604	688	16		810	90
	1,556	663	15		767	111
	1,534	646	13		824	51
	81,872	2,397	43,851	24,036	5,880	5,708
	76,361	2,401	41,040	21,699	5,880	5,371
			<u>DELIVERIES TO ELECTRIC BOILERS</u>		<u>4/</u>	
	246,319	3/	200,796	31,375	13,920	228
	279,003		238,147	36,747	3,734	375
	634,114	5,953	476,214	117,394	34,324	229
	4,328,360	9,619	3,267,659	764,882	283,405	2,795
	5,387,346	41,244	3,886,758	1,074,880	381,848	2,616

(AVERAGE, 1926-100)

	July	August	September	October	November	December
<u>OUTPUT</u>						
	212.28	218.31	224.10	221.27	226.49	221.95
	235.56	241.14	246.03	245.59	248.11	239.21
	279.28	262.92	248.00	235.87		
<u>DELIVERIES TO ELECTRIC BOILERS</u>						
	196.70	200.06	199.84	194.89	194.51	193.98
	212.90	216.25	216.84	215.50	217.70	215.29
	253.88	255.73	251.35	247.54		

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

4/ Manitoba only.



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OUTPUT OF CENTRAL ELECTRIC STATIONS
(Thousands of Kilowatt Hours)

Month	1936	1937	1938	1939	1940
January	2,091,497	2,317,906	2,283,691	2,386,979	2,526,143
February	1,938,978	2,146,578	2,057,598	2,214,174	2,367,031
March	2,135,640	2,412,259	2,258,197	2,366,740	2,426,157
April	2,164,628	2,322,884	2,063,801	2,197,379	2,398,722
May	2,083,363	2,301,167	2,081,935	2,333,443	2,671,567
June	2,028,980	2,255,338	1,973,155	2,245,537	2,578,883
July	2,021,147	2,188,055	1,987,774	2,205,844	2,615,232
August	2,020,416	2,197,725	2,075,901	2,293,032	2,500,179
September	2,041,423	2,204,291	2,168,435	2,380,652	2,399,678
October	2,280,508	2,365,052	2,333,461	2,589,956	2,487,455
Sub-Total	20,806,580	22,711,255	21,283,948	23,213,736	24,971,047
November	2,261,979	2,414,676	<u>2,375,661</u>	<u>2,601,535</u>	
December	<u>2,325,733</u>	<u>2,457,996</u>	<u>2,353,196</u>	<u>2,536,242</u>	
Total	25,394,292	27,583,927	26,012,805	28,351,514	
EXPORTS TO THE UNITED STATES					
January	118,050	134,931	157,532	166,915	149,050
February	110,684	138,041	123,094	153,491	139,908
March	125,921	<u>172,695</u>	<u>144,091</u>	165,422	155,402
April	125,496	164,250	135,616	141,523	170,600
May	130,530	161,033	155,292	164,520	193,353
June	<u>157,871</u>	158,657	158,313	163,063	190,704
July	157,543	164,057	159,349	162,973	203,058
August	143,342	162,617	149,493	<u>177,834</u>	192,235
September	125,127	143,441	151,691	159,713	186,983
October	129,323	142,736	<u>165,455</u>	151,794	168,904
Sub-Total	1,323,887	1,542,458	1,499,926	1,607,248	1,750,197
November	126,152	145,549	165,299	155,247	
December	128,070	159,093	161,290	150,138	
Total	1,578,109	1,847,100	1,826,515	1,912,633	
OUTPUT LESS EXPORTS AND DELIVERIES TO ELECTRIC BOILERS					
January	1,413,216	1,474,787	1,558,575	1,644,983	1,853,157
February	1,298,872	1,344,387	1,435,998	1,488,480	1,727,442
March	1,387,512	1,532,912	1,573,090	1,613,989	1,835,439
April	1,353,605	1,510,508	1,480,284	1,560,742	1,834,573
May	1,371,404	1,519,545	1,505,826	1,623,856	1,941,629
June	1,353,080	1,496,283	1,470,027	1,586,964	1,860,736
July	1,359,445	1,510,365	1,466,399	1,587,154	1,892,596
August	1,386,797	1,543,699	1,518,479	1,641,340	1,940,996
September	1,417,821	1,573,502	1,537,426	1,668,186	1,933,692
October	<u>1,533,075</u>	<u>1,655,879</u>	<u>1,631,513</u>	1,804,048	<u>2,072,232</u>
Sub-Total	13,874,827	15,161,867	15,177,617	16,219,142	18,892,492
November	1,481,813	1,632,494	1,617,311	1,809,175	
December	1,516,702	1,629,452	<u>1,640,012</u>	<u>1,820,186</u>	
Total	16,873,342	18,423,813	18,434,940	19,848,503	