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Dominion Statistician: **R.H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)**
Chief, Transportation and Public Utilities Branch: **G.S. Wrong, B.Sc.**

OUTPUT OF CENTRAL ELECTRIC STATIONS IN CANADA

December, 1940.

Central electric stations produced 2,584,341,000 kw. h. during December compared with 2,524,860,000 in November and 2,536,242,000 in December 1939.

Firm power produced for use in Canada amounted to 2,134,315,000 kw. h., the highest for any month to date. On a daily basis, however, it was slightly below the November average.

Secondary power produced for electric boilers dropped from 565,918,000 kw. h. in December 1939 to 250,150,000 kw. h. but exports of off peak power increased from 24,397,000 to 81,714,000 kw. h. and total exports to the United States increased from 150,138,000 to 199,866,000 kw. h.

Production for the year reached a new peak at 30,080,248,000 kw. h. which was 6.1 per cent above the 1939 output the previous high record and production of firm power for use in Canada amounted to 23,106,787,000 kw. h. This was 3,258,284,000 kw. h. or 16.4 per cent above the previous high record made in 1939.

Secondary power produced for electric boilers during the year dropped from 6,590,378,000 to 4,837,904,000 kw. h. and exports to the United States of secondary power increased from 487,935,000 to 727,442,000 kw. h. Thus the total production in 1940 included 24,514,902,000 kw. h. of firm power and 5,565,346,000 kw. h. of secondary power as against 21,273,201,000 kw. h. of firm power and 7,078,313,000 kw. h. of secondary power in 1939.

The summary below shows the comparison of 1940 with 1939 data.

	1940	1939	CHANGE	
			AMOUNT	P. C.
<u>FIRM POWER</u>				
(Thousands of kilowatt hours)				
For use in Canada	23,106,787	19,848,503	+ 3,258,284	16.4
Exported to the United States	1,408,115	1,424,698	- 16,583	1.2
Total	24,514,902	21,273,201	+ 3,241,701	15.2
<u>SECONDARY POWER</u>				
For Electric Boilers	4,837,904	6,590,378	- 1,752,474	26.6
Exported to the United States	727,442	487,935	+ 239,507	49.2
Total	5,565,346	7,078,313	- 1,512,967	21.4
Total power produced	30,080,248	28,351,514	+ 1,728,734	6.1
Total exported to the United States	2,135,557	1,912,633	+ 222,924	11.6

∅ Includes line losses for both classes of power.

OUTPUT OF CENTRAL ELECTRIC STATIONS
(Thousands of Kilowatt Hours)

	Total	Maritime Provinces	Quebec	Ontario	Prairie Provinces	British Columbia
MONTHLY OUTPUTS						
<u>Total Output</u>						
December, 1940	2,584,841	87,638	1,325,344	780,536	200,002	190,821
November, 1940	2,524,860	84,544	1,288,486	765,437	200,180	186,213
December, 1939	2,536,242	79,765	1,335,256	739,477	203,358	178,386
<u>Generated by Water Power</u>						
December, 1940	2,530,137	65,743	1,324,795	780,536	169,583	189,480
November, 1940	2,473,122	63,252	1,287,942	765,437	170,900	185,591
December, 1939	2,486,434	57,973	1,334,773	739,477	176,496	177,715
<u>Generated by Fuel</u>						
December, 1940	54,204	21,895	549	...	30,419	1,341
November, 1940	51,738	21,292	544	...	29,280	622
December, 1939	49,808	21,792	483	...	26,862	671
<u>Total to Date</u>						
1940	30,080,248	903,154	15,988,451	8,877,012	2,193,758	2,117,873
1939	28,351,514	895,341	15,222,894	8,064,136	2,185,744	1,983,399
PROVINCIAL CONSUMPTIONS 1/						
December, 1940	2,384,475	85,443	989,113	919,242	201,720	188,957
November, 1940	2,339,360	82,434	963,697	906,968	201,815	184,454
December, 1940	2,386,104	77,785	1,015,906	910,774	205,118	176,521
<u>Total to Date</u>						
1940	27,944,696	883,726	12,061,477	10,689,387	2,214,481	2,095,625
1939	26,438,881	877,262	11,671,951	9,721,911	2,204,420	1,963,337
INDEX NUMBERS						
	January	February	March	April	May	June
						TOTAL
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
						OUTPUT LESS EXPORTS AND
1938	190.46	192.28	196.71	194.12	193.33	197.01
1939	201.02	199.31	201.33	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>					
83,365	2,827	42,753	25,179	6,451	6,155
84,162	2,818	42,949	25,515	6,673	6,207
81,814	2,673	43,073	23,854	6,560	5,754
81,617	2,121	42,735	25,179	5,470	6,112
82,437	2,108	42,931	25,515	5,697	6,186
80,207	1,870	43,057	23,854	5,693	5,733
1,748	706	18	...	981	43
1,725	710	18	...	976	21
1,607	703	16	...	867	21
82,186	2,468	43,684	24,254	5,994	5,786
77,675	2,453	41,707	22,093	5,988	5,434
<u>3/ DELIVERIES TO ELECTRIC BOILERS 4/</u>					
250,160	4,415	180,462	34,430	30,568	285
259,384	4,186	193,328	33,789	27,802	279
565,918	3,673	410,190	106,431	45,398	226
4,837,904	18,220	3,641,449	833,101	341,775	3,359
6,590,378	49,167	4,774,593	1,295,671	467,834	3,113
(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	240.71	243.75
<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	250.16	252.44

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	2,063,301	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
November	2,261,979	2,414,676	2,375,661	2,601,535	2,524,860
December	2,325,733	2,457,996	2,353,196	2,536,242	2,584,341
Total	25,394,292	27,583,927	26,012,805	28,351,514	30,080,248

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	172,695	144,091	165,422	155,402
April	125,496	164,250	135,616	141,523	170,600
May	130,530	161,033	155,292	164,520	193,354
June	157,871	158,657	158,313	163,063	190,704
July	157,543	164,097	159,349	162,973	203,058
August	143,342	162,617	149,493	177,834	192,256
September	125,127	143,441	151,691	159,713	186,983
October	129,323	142,736	165,455	151,794	168,904
November	126,152	145,549	165,299	155,247	185,492
December	128,070	159,093	161,290	150,138	199,866
Total	1,578,109	1,847,100	1,826,515	1,912,633	2,135,557

OUTPUT LESS EXPORTS AND DELIVERIES TO ELECTRIC BOILERS

January	1,413,216	1,474,787	1,558,576	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	1,490,284	1,560,142	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	1,940,992
September	1,417,821	1,573,502	1,537,426	1,668,186	1,933,692
October	1,533,075	1,655,879	1,631,513	1,804,048	2,072,232
November	1,481,813	1,632,494	1,617,311	1,809,175	2,079,984
December	1,516,702	1,629,452	1,640,012	1,820,186	2,134,315
Total	16,873,342	18,423,813	18,434,940	19,848,503	23,106,787

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