



57-001

C-2

Published by Authority of HON. JAMES A. MACKINNON, M.P.,  
Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS,  
TRANSPORTATION AND PUBLIC UTILITIES BRANCH  
O T T A W A

No. 5.

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

MAY, 1940.

Central electric stations produced 2,671,567,000 kilowatt hours in May, the greatest output of any month to date, although on a daily basis of 86,180,000 kilowatt hours the average was second to November 1939 average of 86,718,000 kilowatt hours. The index number, adjusted for the unequal number of days in the month and other seasonal factors was 269.67, exceeding the previous peak of 248.11 for last November by over 21 points.

Exports to the United States amounted to 193,353,000 kilowatt hours as against 170,600,000 kilowatt hours for April and 164,520,000 kilowatt hours for May last year. This was also a new high record.

Deliveries of secondary power to electric boilers increased from 393,548,000 kilowatt hours for April to 536,585,000 kilowatt hours, but were below the deliveries of 545,067,000 kilowatt hours for May last year.

The consumption of firm power reached a new high record of 1,941,629,000 kilowatt hours and the index number rose to 249.27 as against the previous peak of 240.58 for April. On a daily basis this was also a new high record.

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>							
May, 1940	2,671,567	80,312	1,444,690	786,756	185,150	174,659	
April, 1940	2,398,722	77,238	1,241,941	723,794	186,847	168,902	
May, 1939	2,333,443	74,253	1,261,190	657,326	176,098	164,576	
<u>Generated by Water Power</u>							
May, 1940	2,631,766	63,925	1,444,311	786,756	163,414	173,360	
April, 1940	2,359,999	61,023	1,241,559	723,794	165,194	168,429	
May, 1939	2,298,531	60,186	1,260,850	657,326	155,941	164,228	
<u>Generated by Fuel</u>							
May, 1940	39,801	16,387	379	...	21,736	1,299	
April, 1940	38,723	16,215	382	...	21,653	473	
May, 1939	34,912	14,067	340	...	20,157	348	
<u>Total to Date</u>							
1940	12,389,620	350,280	6,561,952	3,644,921	985,151	847,316	
1939	11,498,715	338,784	6,181,849	3,226,313	961,458	790,311	
<u>PROVINCIAL CONSUMPTIONS 1/</u>							
May, 1940	2,478,214	78,852	1,092,838	946,831	186,956	172,737	
April, 1940	2,228,121	75,779	912,654	884,048	188,490	167,150	
May, 1939	2,168,922	72,782	961,173	794,400	177,551	163,016	
<u>Total to Date</u>							
1940	11,581,307	342,065	4,947,129	4,460,259	994,434	837,420	
1939	10,706,845	331,212	4,725,774	3,898,667	968,726	782,466	
<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	x247.14	<u>269.67</u>		
<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	<u>249.27</u>		

1/ Production plus provincial imports less provincial exports.

3/ New Brunswick only.

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>						
	86,180	2,591	46,603	25,379	5,973	5,634
	79,957	2,574	41,398	24,127	6,228	5,630
	75,272	2,395	40,684	21,203	5,680	5,309
	84,896	2,062	46,591	25,379	5,272	5,592
	78,666	2,034	41,385	24,127	5,506	5,614
	74,146	1,941	40,673	21,204	5,030	5,298
	1,284	529	12	...	701	42
	1,291	540	13	...	722	16
	1,126	454	11	...	650	11
	81,510	2,304	43,171	23,980	6,481	5,574
	76,150	2,244	40,939	21,366	6,367	5,234
<u>DELIVERIES TO ELECTRIC BOILERS</u>						
	536,585	<u>3/</u> 895	398,126	104,261	<u>4/</u> 33,024	279
	393,548	2,536	261,057	87,779	41,908	268
	545,067	1,722	395,175	109,586	38,298	286
	2,389,066	3,806	1,691,089	462,936	229,942	1,293
	2,775,395	9,607	1,933,198	570,893	260,407	1,290

(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	<u>248.11</u>	239.21
<u>DELIVERIES TO ELECTRIC BOILERS</u>						
	196.70	<u>200.06</u>	199.84	194.89	194.51	193.98
	212.90	216.25	216.84	215.50	<u>217.70</u>	215.29

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

4/ Manitoba only.





1010683889

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
Sub-Total	10,414,106	11,500,794	10,742,222	11,498,715	12,389,620
June	2,028,980	2,255,338	1,973,155	2,245,537	
July	2,021,147	2,188,055	1,987,774	2,205,844	
August	2,020,416	2,197,725	2,075,901	2,293,032	
September	2,041,423	2,204,291	2,168,435	2,380,652	
October	2,280,508	2,365,052	2,333,461	2,589,956	
November	2,261,979	2,414,676	2,375,661	2,601,535	
December	2,325,733	2,457,996	2,353,196	2,536,242	
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	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	193,353
Sub-Total	610,681	770,950	715,625	791,871	808,313
June	157,871	158,657	158,313	163,063	
July	157,543	164,057	159,349	162,973	
August	143,342	162,617	149,493	177,834	
September	125,127	143,441	151,691	159,713	
October	129,323	142,736	165,455	151,794	
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	1,560,142	1,834,573
May	1,371,404	1,519,545	1,505,826	1,623,856	1,941,629
Sub-Total	6,824,609	7,382,139	7,553,773	7,931,450	9,192,240
June	1,353,080	1,496,283	1,470,027	1,586,964	
July	1,359,445	1,510,365	1,466,399	1,587,154	
August	1,386,797	1,543,699	1,518,479	1,641,340	
September	1,417,821	1,573,502	1,537,426	1,668,186	
October	1,533,075	1,655,879	1,631,513	1,804,048	
November	1,481,813	1,632,494	1,617,311	1,809,175	
December	1,516,702	1,629,452	1,640,012	1,820,186	
TOTAL	16,873,342	18,423,813	18,434,940	19,848,503	