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ELECTRIC POWER STATISTICS

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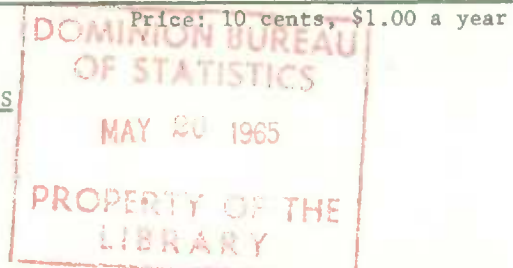


Table 1 of this report contains preliminary statistics on energy generation, imports, exports and secondary for the month of March 1965. These preliminary statistics indicate that total net generation increased 9.2 per cent to 12,402,753 thousand kwh. in March 1965 from 11,355,941 thousand kwh. generated one year ago.

Imports increased to 297,298 thousand kwh. from 207,822 thousand kwh. and exports decreased to 292,847 thousand kwh. from 333,486 thousand kwh. in March 1964.

Table 2 shows detailed data concerning the amount of energy made available and the disposition of this energy for the month of January 1965. These figures include a breakdown of sales by rate categories for large utilities and industries while distribution by smaller utilities and industries is included in "distribution by non-respondents" (item 28). Distribution by non-respondents is the energy which is delivered by companies which report in this survey to companies which do not report. Consumption of own generation by industrial establishments is included in power sales. Comparable January 1964 data is shown for all categories.

Tables 3, 4 and 5 give final data for the month of January 1965 and preliminary data for other months. In table 3 the secondary energy includes both that used in electric boilers and that used for other purposes. In January, of the 318,719 thousand kwh. of secondary energy 261,107 thousand kwh. were used in electric boilers and 57,612 thousand kwh. were used for other purposes.

The total generation for the twelve-month period ending March 31, 1965 amounted to 136,889,197 thousand kwh. compared to 135,842,385 thousand kwh. for the period ending in February.

Monthly electric power statistics are designed to provide current information on the production and consumption of electric energy in Canada. In order to expedite the collection and compilation of returns, the series is confined to firms which generate a minimum of 10 million kwh. per annum and to large distributors of electric energy. These firms accounted for 99.6 per cent of total production in 1962.

In the electric power series, net generation is defined as total generation less the amount used in station.

Industry Division

May 1965  
6511-513

TABLE 1. Preliminary Electric Energy Statistics

March 1965

No.		Canada 1964	Canada	Newfoundland	Prince Edward Island	Nova Scotia
				thousand kwh.		
1	Net generation - Hydro .....	9,696,543	10,000,429	233,554	-	67,330
2	Thermal .....	1,659,398	2,402,324	9,925	11,448	167,687
3	Total net generation .....	11,355,941	12,402,753	243,479	11,448	235,017
	Energy imported:					
4	From other provinces .....	...	...	-	-	17
5	From United States .....	207,822	297,298	-	-	-
6	Totals .....	207,822	297,298	-	-	17
	Energy exported:					
7	To other provinces - Firm .....	...	...	8,097	-	-
8	Secondary .....	...	...	-	-	22,616
9	To United States - Firm .....	76,063	69,456	-	-	-
10	Secondary .....	257,423	223,391	-	-	-
11	Totals .....	333,486	292,847	8,097	-	22,616
12	Net energy used in Canada .....	11,230,277	12,407,204	235,382	11,448	212,418
13	Secondary energy used in Canada(1) .....	231,591	313,325	210	-	-
14	Firm energy used in Canada .....	10,998,686	12,093,879	235,172	11,448	212,418

(1) Secondary energy for use in other than electric boilers amounted to 877 thousand kwh. in New Brunswick, 43,701 thousand kwh. in Quebec, 17,732 thousand kwh. in Ontario and 495 thousand kwh. in Yukon and N.W.T.

TABLE 2. Supply and Demand of Electric Energy

January 1965

No.		Canada 1964	Canada	Newfoundland	Prince Edward Island	Nova Scotia
				thousand kwh.		
	<u>Supply of electric energy</u>					
	Net generation:					
1	Utilities - Hydro .....	7,431,032	7,361,809 <sup>r</sup>	181,014	-	66,450
2	Thermal .....	1,738,748	2,419,767 <sup>r</sup>	7,630	12,378	133,862
3	Totals .....	9,169,780	9,781,576 <sup>r</sup>	188,644	12,378	200,312
4	Industry - Hydro .....	2,224,468	2,509,096	31,877	-	3,360
5	Thermal .....	280,633	317,797 <sup>r</sup>	5,960	-	23,181
6	Totals .....	2,505,101	2,826,893 <sup>r</sup>	37,837	-	26,521
7	Grand total - Hydro .....	9,655,500	9,870,905 <sup>r</sup>	212,891	-	69,790
8	Thermal .....	2,019,381	2,737,564 <sup>r</sup>	13,590	12,378	157,043
9	Total net generation .....	11,674,881	12,608,469 <sup>r</sup>	226,481	12,378	226,833
	Energy imported:					
10	From other provinces .....	...	...	-	-	4,361
11	From United States .....	181,965	282,875	-	-	-
12	Totals .....	181,965	282,875	-	-	4,361
13	Total supply of electric energy .....	11,856,846	12,891,344	226,481	12,378	231,194
	<u>Demand for electric energy</u>					
	Sales:					
14	Domestic .....	2,424,569	2,576,617	25,337	5,370	62,311
15	Farm(1) .....	83,464	98,686	-	-	-
16	General service (commercial) .....	950,408	1,118,380	8,765	5,480	44,972
17	Power - Firm .....	6,248,428 <sup>r</sup>	6,883,801	177,304	-	85,888
18	Secondary .....	250,727	318,719 <sup>r</sup>	118	-	-
19	Total power .....	6,499,155 <sup>r</sup>	7,202,520	177,422	-	85,888
20	Street lighting .....	78,985	84,894	778	147	2,571
21	Total sales .....	10,036,581 <sup>r</sup>	11,081,097	212,302	10,997	195,742
	Energy exported:					
22	To other provinces - Firm .....	...	...	7,688	-	88
23	Secondary .....	...	...	-	-	10,923
24	To United States - Firm .....	73,708	66,250	-	-	-
25	Secondary .....	333,005	238,332	-	-	-
26	Total energy exported .....	406,713	304,582	7,688	-	11,011
27	Unallocated energy(2) .....	968,116 <sup>r</sup>	987,803	6,491	1,175	9,351
28	Distribution by non-respondents .....	445,436	517,862	-	206	15,090
29	Total demand for electric energy .....	11,856,846	12,891,344	226,481	12,378	231,194

(1) Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

(2) Includes losses, unaccounted for, and cyclical billing adjustment.

TABLE 1. Preliminary Electric Energy Statistics

March 1965

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.								
76,674	4,797,089	2,837,265	471,786	98,754	56,402	1,342,470	19,105	1
165,097	38,541	1,130,857	29,448	218,627	429,135	198,085	3,474	2
241,771	4,835,630	3,968,122	501,234	317,381	485,537	1,540,555	22,579	3
24,970	18,358	397,353	78,569	15,213	1,914	3,008	-	4
79	76	233,456	-	-	-	63,687	-	5
25,049	18,434	630,809	78,569	15,213	1,914	66,695	-	6
-	381,099	2,732	581	50,329	3,008	1,914	-	7
17	18,485	35,459	14,755	310	-	-	-	8
15,899	1,237	52,135	-	-	-	185	-	9
3,285	4,088	214,760	-	-	-	1,258	-	10
19,201	404,909	305,086	15,336	50,639	3,008	3,357	-	11
247,619	4,449,155	4,293,845	564,467	281,955	484,443	1,603,893	22,579	12
877	199,781	58,911	13,644	696	-	32,948	6,258	13
246,742	4,249,374	4,234,934	550,823	281,259	484,443	1,570,945	16,321	14

TABLE 2. Supply and Demand of Electric Energy

January 1965

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.								
85,954	3,179,699 <sup>r</sup>	2,525,551 <sup>r</sup>	468,340	91,693	91,680	644,366	17,062	1
38,908	66,135	1,267,991 <sup>r</sup>	46,415	240,226	396,148	145,744	4,330	2
124,862	3,245,834 <sup>r</sup>	3,793,542 <sup>r</sup>	514,755	331,919	487,828	790,110	21,392	3
3,897	1,606,408	134,483	-	6,754	-	716,729	3,608	4
40,909	29,376	82,954 <sup>r</sup>	1,860	5,651	29,837 <sup>r</sup>	89,069	-	5
55,806	1,635,784	217,437 <sup>r</sup>	1,860	12,405	29,837 <sup>r</sup>	805,798	3,608	6
101,851	4,786,107 <sup>r</sup>	2,660,034 <sup>r</sup>	468,340	98,447	91,680	1,361,095	20,670	7
148,817	95,511	1,350,945 <sup>r</sup>	48,275	245,877	425,985 <sup>r</sup>	234,813	4,330	8
250,668	4,881,618 <sup>r</sup>	4,010,979 <sup>r</sup>	516,615	344,324	517,665 <sup>r</sup>	1,595,908	25,000	9
13,670	12,251	388,735 <sup>r</sup>	90,913	12,472	2,049	3,125	-	10
104	89	251,826	-	-	-	30,856	-	11
13,774	12,340	640,561 <sup>r</sup>	90,913	12,472	2,049	33,981	-	12
264,442	4,893,958	4,651,540	607,528	356,796	519,714	1,629,889	25,000	13
47,616	725,460	1,024,244	174,933	83,879	126,517	299,351	1,599	14
-	-	-	36,808	29,253	32,625	-	-	15
26,631	244,407	422,939	74,466	46,709	82,680	159,498	1,833	16
143,407	2,896,914	2,054,180	230,318	89,339	200,718	996,622	9,111	17
1,239 <sup>r</sup>	204,855 <sup>r</sup>	59,425 <sup>r</sup>	8,626 <sup>r</sup>	1,524	336 <sup>r</sup>	35,660	6,936 <sup>r</sup>	18
144,646	3,101,769	2,113,605	238,944	90,863	201,054	1,032,282	16,047	19
1,565	21,441	27,336	7,495	3,011	10,458	9,979	113	20
220,458	4,093,077	3,588,124	532,646	253,715	453,334	1,501,110	19,592	21
-	357,346 <sup>r</sup>	3,162	755	50,737	3,125	2,049	-	22
4,361	34,040	41,180	11,725	397	-	-	-	23
16,028	1,343	48,681	-	-	-	198	-	24
5,394	5,778	223,982	-	-	-	3,178	-	25
25,783	398,507	317,005	12,480	51,134	3,125	5,425	-	26
15,689	351,972	334,528	62,402	48,122	52,653	101,270	4,150	27
2,512	50,402	411,883	-	3,825	10,602	22,084	1,258	28
184,442	4,893,958	4,651,540	607,528	356,796	519,714	1,629,889	25,000	29

... Figures not appropriate or not applicable.

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TABLE 3. Supply of Electric Energy

January - March 1965

Month	Total net generation	Imports from United States	Exports to United States	Net energy used in Canada	Secondary energy used in Canada	Firm energy used in Canada	Daily average, total net generation
thousand kwh.							
January .....	12,608,469 <sup>r</sup>	282,875	304,582	12,586,762 <sup>r</sup>	318,719 <sup>r</sup>	12,268,043 <sup>r</sup>	406,725 <sup>r</sup>
February .....	11,473,087	269,358	278,340	11,464,105	279,637	11,184,468	409,753
March .....	12,402,753	297,298	292,847	12,407,204	313,325	12,093,879	400,087
April .....							
May .....							
June .....							
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							
Year .....							

<sup>r</sup> Revised figures.

TABLE 4. Sales of Electric Energy to Ultimate Customers

January 1965

Year and month	Domestic	Farm(1)	General service (commercial)	Firm power	Secondary power	Total power	Street lighting	Total sales to ultimate customers
thousand kwh.								
1964 .....	23,934,160	945,237	11,082,698	78,050,266	3,520,383	81,570,649	835,158	118,367,902
1965 - January ....	2,576,617	98,686	1,118,380	6,883,801	318,719 <sup>r</sup>	7,202,520	84,894	11,081,097
February ...								
March .....								
April .....								
May .....								
June .....								
July .....								
August .....								
September ..								
October .....								
November ...								
December ...								
Year .....								

(1) Many utilities cannot distinguish between domestic and farm, as they do not keep separate records.

TABLE 5. Net Generation, 1961-65

CANADA

Year and month	Utilities			Industry			Grand total
	Hydro	Thermal	Total	Hydro	Thermal	Total	
	thousand kwh.						
1961 .....	82,014,614	7,049,079	89,063,693	21,660,132	2,497,588	24,157,720	113,221,413
1962 .....	80,861,406	10,781,660	91,643,066	22,789,817	2,570,288	25,360,105	117,003,171
1963 .....	80,214,421	15,428,726	95,643,147	23,096,751 <sup>r</sup>	2,811,559 <sup>r</sup>	25,908,310 <sup>r</sup>	121,551,457 <sup>r</sup>
1964 .....	84,888,835	17,588,035	102,476,870	28,336,790	3,478,537	31,815,327	134,292,197
1965 .....							
1965 - January ....	7,361,809 <sup>r</sup>	2,419,767 <sup>r</sup>	9,781,576 <sup>r</sup>	2,509,096	317,797 <sup>r</sup>	2,826,893 <sup>r</sup>	12,608,469 <sup>r</sup>
February ...	6,826,788	2,089,976	8,916,764	2,253,992	302,331	2,556,323	11,473,087
March .....	7,510,792	2,057,857	9,568,649	2,489,637	344,467	2,834,104	12,402,753
April .....							
May .....							
June .....							
July .....							
August .....							
September ..							
October ....							
November ...							
December ...							

<sup>r</sup> Revised figures.