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ELECTRIC POWER STATISTICS

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**DOMINION BUREAU
 OF STATISTICS**

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Table 1 of this report contains preliminary statistics on energy generation, imports, exports and secondary for the month of May 1965. These preliminary statistics indicate that net generation increased 6.2 per cent to 11,396,173 thousand kwh. in May 1965 from 10,732,071 thousand kwh. generated one year ago.

Imports increased to 327,919 thousand kwh. from 244,896 thousand kwh. and exports decreased to 317,522 thousand kwh. from 336,816 thousand kwh. in May 1964.

Table 2 shows detailed data concerning the amount of energy made available and the disposition of this energy for the month of March 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 March 1964 data is shown for all categories.

Tables 3, 4 and 5 give final data for the months January to March 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 March, of the 307,407 thousand kwh. of secondary energy 243,740 thousand kwh. were used in electric boilers and 63,667 thousand kwh. were used for other purposes.

The total generation for the twelve-month period ending May 31, 1965 amounted to 138,206,384 thousand kwh. compared to 137,524,282¹ thousand kwh. for the period ending in April.

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

July 1965
 6511-513

TABLE 1. Preliminary Electric Energy Statistics

May 1965

No.		Canada 1964	Canada	Newfoundland	Prince Edward Island	Nova Scotia
				thousand kwh.		
1	Net generation - Hydro	9,582,924	9,764,693	208,793	-	40,315
2	Thermal	1,149,147	1,631,480	15,094	9,994	153,640
3	Total net generation	10,732,071	11,396,173	223,887	9,994	193,955
	Energy imported:					
4	From other provinces .....	...	...	-	-	7,306
5	From United States	244,896	327,919	-	-	-
6	Totals	244,896	327,919	-	-	7,306
	Energy exported:					
7	To other provinces - Firm .....	...	...	4,796	-	-
8	Secondary .....	...	...	-	-	2,032
9	To United States - Firm	79,842	58,717	-	-	-
10	Secondary	256,974	258,805	-	-	-
11	Totals	336,816	317,522	4,796	-	2,032
12	Net energy used in Canada	10,640,151	11,406,570	219,091	9,994	199,229
13	Secondary energy used in Canada(1)	254,321	225,565	224	-	-
14	Firm energy used in Canada	10,385,830	11,181,005	218,867	9,994	199,229

(1) Secondary energy for use in other than electric boilers amounted to 1,057 thousand kwh. in New Brunswick, 45,918 thousand kwh. in Quebec, 16,660 thousand kwh. in Ontario, 61 thousand kwh. in Saskatchewan and 347 thousand kwh. in Yukon and N.W.T.

TABLE 2. Supply and Demand of Electric Energy

March 1965

No.		Canada 1964	Canada	Newfoundland	Prince Edward Island	Nova Scotia
				thousand kwh.		
	<u>Supply of electric energy</u>					
	Net generation:					
1	Utilities - Hydro	7,469,733	7,510,792	197,572	-	64,758
2	Thermal	1,360,388	2,057,857	4,873	11,448	148,327
3	Totals	8,830,121	9,568,649	202,445	11,448	213,085
4	Industry - Hydro	2,226,810	2,489,692 ^F	35,982	-	2,577
5	Thermal	299,010	344,467	5,052	-	19,360
6	Totals	2,525,820	2,834,159 ^F	41,034	-	21,932
7	Grand total - Hydro	9,696,543	10,000,484 ^F	233,554	-	67,330
8	Thermal	1,659,398	2,402,324	9,925	11,448	167,687
9	Total net generation	11,355,941	12,402,808 ^F	243,479	11,448	235,017
	Energy imported:					
10	From other provinces .....	...	...	-	-	17
11	From United States	207,822	297,298	-	-	-
12	Totals	207,822	297,298	-	-	17
13	Total supply of electric energy	11,563,763	12,700,106	243,479	11,448	235,034
	<u>Demand for electric energy</u>					
	Sales:					
14	Domestic	2,203,444	2,476,581	21,062	4,455	56,140
15	Farm(1)	91,134	113,448	-	-	-
16	General service (commercial)	938,812	1,070,165	7,416	4,522	38,674
17	Power - Firm	6,473,577	6,990,007 ^F	194,405	570	79,487
18	Secondary	231,591	307,407 ^F	210	-	-
19	Total power	6,705,168	7,297,414	194,615	570	79,487
20	Street lighting	70,581	77,223	667	142	1,786
21	Total sales	10,009,139	11,034,831	223,760	9,689	176,087
	Energy exported:					
22	To other provinces - Firm .....	...	...	8,097	-	-
23	Secondary .....	...	...	-	-	22,616
24	To United States - Firm	76,063	69,456	-	-	-
25	Secondary	257,423	223,391	-	-	-
26	Total energy exported	333,486	292,847	8,097	-	22,616
27	Unallocated energy(2)	803,160	877,176	11,622	1,573	21,842
28	Distribution by non-respondents	417,978	495,252	-	186	14,489
29	Total demand for electric energy	11,563,763	12,700,106	243,479	11,448	235,034

(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

May 1965

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.								
162,743	4,490,698	2,901,593	398,889	177,193	99,332	1,267,493	17,644	1
110,095	36,731	637,149	15,804	148,939	308,397	193,182	2,455	2
272,838	4,527,429	3,538,742	414,693	326,132	407,729	1,460,675	20,099	3
4,195	20,595	421,197	58,364	569	4,680	455	-	4
2,280	75	264,844	-	-	-	60,720	-	5
6,475	20,670	686,041	58,364	569	4,680	61,175	-	6
-	392,644	2,284	564	46,469	455	4,680	-	7
7,306	30,415	25,389	306	21	-	-	-	8
24,997	1,050	32,499	-	-	-	171	-	9
7,166	1,496	247,517	-	-	-	2,626	-	10
39,469	425,605	307,689	870	46,490	455	7,477	-	11
239,844	4,122,494	3,917,094	472,187	280,211	411,954	1,514,373	20,099	12
1,057	141,986	49,415	13,126	1,633	-	12,563	5,561	13
238,787	3,980,508	3,867,679	459,061	278,578	411,954	1,501,810	14,538	14

TABLE 2. Supply and Demand of Electric Energy

March 1965

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.								
72,832	3,204,511	2,697,872	471,786	92,487	56,402	636,837	15,735	1
115,551	5,321	1,037,797	27,135	211,930	395,475	96,526	3,474	2
188,383	3,209,832	3,735,669	498,921	304,417	451,877	733,363	19,209	3
3,842	1,592,633 ^r	139,393	-	6,267	-	705,633	3,370	4
49,546	33,220	93,060	2,313	6,697	33,660	101,559	-	5
53,388	1,625,853 ^r	232,453	2,313	12,964	33,660	807,192	3,370	6
76,674	4,797,144 ^r	2,837,265	471,786	98,754	56,402	1,342,470	19,105	7
165,097	38,541	1,130,857	29,448	218,627	429,135	198,085	3,474	8
241,771	4,835,685 ^r	3,968,122	501,234	317,381	485,537	1,540,555	22,579	9
24,970	18,358	397,353	78,569	15,213	1,914	3,008	-	10
79	76	233,456	-	-	-	63,687	-	11
25,049	18,434	630,809	78,569	15,213	1,914	66,695	-	12
266,820	4,854,119	4,598,931	579,803	332,594	487,451	1,607,250	22,579	13
40,932	761,631	1,042,121	149,714	66,660	96,821	234,870	2,175	14
-	-	-	36,689	39,583	37,176	-	-	15
23,338	235,391	411,718	70,056	42,817	72,810	160,934	2,487	16
160,777	2,860,678	2,104,418	236,719	91,289	204,859	1,045,849	10,956	17
958 ^r	200,652 ^r	63,684 ^r	13,413 ^r	696	334 ^r	21,201 ^r	6,259 ^r	18
161,735	3,061,330	2,168,102	250,132	91,985	205,193	1,067,050	17,215	19
1,779	21,044	26,777	5,558	2,605	8,554	8,256	55	20
227,784	4,079,396	3,648,718	512,149	243,650	420,554	1,471,110	21,934	21
-	381,099	2,732	581	50,329	3,008	1,914	-	22
17	18,485	35,459	14,755	310	-	-	-	23
15,899	1,237	52,135	-	-	-	185	-	24
3,285	4,088	214,760	-	-	-	1,258	-	25
19,201	404,909	305,086	15,336	50,639	3,008	3,357	-	26
8,705	325,569	253,023	52,318	35,029	54,296	113,650	- 451	27
11,130	44,245	392,104	-	3,276	9,593	19,133	1,096	28
266,820	4,854,119	4,598,931	579,803	332,594	487,451	1,607,250	22,579	29

... Figures not appropriate or not applicable.

^r Revised figures.

TABLE 3. Supply of Electric Energy

January - May 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	282,875	304,582	12,586,762	305,220	12,281,542	406,725
February	11,484,276	269,358	278,340	11,475,294	274,512	11,200,782	410,153
March	12,402,808 ^r	297,298	292,847	12,407,259 ^r	307,407 ^r	12,099,852 ^r	400,091 ^r
April	11,463,066	291,937	277,125	11,477,878	234,494	11,243,384	382,102
May	11,396,173	327,919	317,522	11,406,570	225,565	11,181,005	367,618
June							
July							
August							
September							
October							
November							
December							
Year							

^r Revised figures.

TABLE 4. Sales of Electric Energy to Ultimate Customers

January - March 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	78,155,283	3,415,366	81,570,649	835,158	118,367,902
1965 - January	2,576,617	98,686	1,118,380	6,897,300	305,220	7,202,520	84,894	11,081,097
February ...	2,533,835	118,258	1,099,231	6,532,153	274,512	6,806,665	78,909	10,636,898
March	2,476,581	113,448	1,070,165	6,990,007	307,407	7,297,414	77,223	11,034,831
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	2,811,559	25,908,310	121,551,457
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	2,419,767	9,781,576	2,509,096	317,797	2,826,893	12,608,469
February ...	6,836,788	2,091,165	8,927,953	2,253,992	302,331	2,556,323	11,484,276
March	7,510,792	2,057,857	9,568,649	2,489,692 ^r	344,467	2,834,159 ^r	12,402,808 ^r
April	7,011,160	1,886,233	8,897,393	2,258,348	307,325	2,565,673	11,463,066
May	7,513,241	1,302,331	8,815,572	2,251,452	329,149	2,580,601	11,396,173
June							
July							
August							
September ..							
October							
November ...							
December ...							

^r Revised figures.