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ELECTRIC POWER STATISTICS

PROPERTY OF THE

APRIL 1965

Table 1 of this report contains preliminary statistics on energy generation, imports, exports and secondary for the month of April 1965. These preliminary statistics indicate that total net generation increased 5.8 per cent to 11,463,066 thousand kwh. in April 1965 from 10,839,225 thousand kwh. generated one year ago.

Imports increased to 291,937 thousand kwh. from 182,453 thousand kwh. and exports decreased to 277,125 thousand kwh. from 343,625 thousand kwh. in April 1964.

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

Tables 3, 4 and 5 give final data for the months of January and February 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 February of the 274,512 thousand kwh. of secondary energy 221,001 thousand kwh. were used in electric boilers and 53,511 thousand kwh. were used for other purposes.

The total generation for the twelve-month period ending April 30,1965 amounted to 137,524,227 thousand kwh. compared to $136,900,386^{\rm r}$ thousand kwh. for the period ending in March.

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 in 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

June 1965 6511-513

TABLE 1. Preliminary Electric Energy Statistics April 1965

No.		Canada 1964	Canada	Newfoundland	Prince Edward Island	Nova Scotia
		1		thousand kwh.		
1	Net generation - Hydro	9,323,951	9,269,508	221,898	-	55,676
2	Thermal	1,515,274	2,193,558	8,738	10,414	142,948
3	Total net generation	10,839,225	11,463,066	230,636	10,414	198,624
	Energy imported:					
4	From other provinces		*	-	-	8,041
5	From United States	182,453	291,937	-	-	-
6	Totals	182,453	291,937		-	8,041
	Energy exported:					
7	To other provinces - Firm		* * =	5,507	-	-
8	Secondary		* * *	-	-	10,333
9	To United States - Firm	76,286	49,307	-	-	40
10	Secondary	267,339	227,818	-	-	-
11	Totals	343,625	277,125	5,507	-	10,333
12	Net energy used in Canada	10,678,053	11,477,878	225,129	10,414	196,332
13	Secondary energy used in Canada(1)	216,875	234,494	158		-
14	Firm energy used in Canada	10,461,178	11,243,384	224,971	10,414	196,332

⁽¹⁾ Secondary energy for use in other than electric boilers amounted to 949 thousand kwh. in New Brunswick, 45,679 thousand kwh. in Quebec, 67 thousand kwh. in Saskatchewan and 408 thousand kwh. in Yukon and N.W.T.

TABLE 2. Supply and Demand of Electric Energy

February 1965

No.		Canada 1964	Canada	Newfoundland	Prince Edward Island	Nova Scotia					
	thousand kwh.										
	Supply of electric energy	1	1	1	1						
	Net generation:										
1	Utilities - Hydro	6,974,373	6,836,788 ^r	170,279	-	54,38					
2	Thermal	1,511,183	2,091,165 ^r	6,755	10,868 ^r	141,911					
3	Totals	8,485,556	8,927,953 ^r	177,034	10,868r	196,29					
4	Industry - Hydro	2,086,693	2,253,992	32,381		2,99					
5	Thermal	284,238	302,331	5,258	-	19,19					
6	Totals	2,370,931	2,556,323	37,639	-	22,194					
7	Grand total - Hydro	9,061,066	9,090,780 ^r	202,660		57,385					
8	Thermal	1,795,421	2,393,496 ^r	12,013	10,868 ^r	161,108					
9	Total net generation	10,856,487	11,484,276 ^r	214,673	10,868 ^r	218,493					
	Energy imported:										
10	From other provinces			-	and the same of th	57					
11	From United States	206,294	269,358		-						
.2	Totals	206,294	269,358	01/ 670	10.000	5					
1.3	Total supply of electric energy	11,062,781	11,753,634	214,673	10,868	218,550					
	Demand for electric energy										
	Sales:			22 (12	. 717	50 613					
L4	Domestic	2,312,091	2,533,835	21,649	4,717	58,547					
15	Farm(1)	92,606	118,258	7 (22	5.093	38,767					
16	General service (commercial)	934,538	1,099,231	7,622	158	74,196					
17	Power - Firm	6,035,298	6,532,153 274,512 ^F	190	1.70	74,220					
19	Total power	6,270,859	6,806,665	169,892	158	74,196					
20	Street lighting	71,711	78,909	669	146	1,715					
21	Total sales	9,681,805	10,636,898	199,832	10,114	173,225					
	Energy exported:										
22	To other provinces - Firm			7,635		8					
23	Secondary			-	-	21,95					
24	To United States - Firm	70,122	63,219)(-						
25	Secondary	272,730	215,121	-							
26	Total energy exported	342,852	278,340	7,635		21,965					
27	Unallocated energy(2)	679,568	367,076	7,206	533	9,26					
28	Distribution by non-respondents	358,556	471,320	-	221	14.0%					
29	Total demand for electric energy	11,062,781	11,753,634	214,673	10,868	318,550					

⁽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 April 1965

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	Ne
			thousand	kwh.				
102,625	4,506,414	2,528,996	431,108	137,624	77,013	1,166,499	41,655	
146,438	44,763	1,086,039	10,999	147,615	341,534	251,545	2,525	
249,063	4,551,177	3,615,035	442,107	285,239	418,547	1,418,044	44,180	1
12,379	21,611	397,545	56,574	6,708	4,118	746		1
236	74	245,202		-	-	46,425	_	
12,615	21,685	642,747	56,574	6,708	4,118	47,171	-	'
-	381,683	2,283	561	46,117	746	4,118	10	
8,041	17,546	24,063	6,509	215	-			
16,378	1,125	31,638	_		-	166	_	
5,223	1,946	216,999	da	-	_	3,650	_	1
29,642	402,300	274,983	7,070	46,332	746	7,934		1 .
232,036	4,170,562	3,982,799	491,611	245,615	421,919	1,457,281	44,180	1
949	137,252	53,356	21,152	677	-	15,003	5,947	1:
231,087	4,033,310	3,929,443	470,459	244,938	421,919	1,442,278	38,233	1

... Figures not appropriate or not applicable.

TABLE 2. Supply and Demand of Electric Energy February 1965

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	
-			thousand	kwh.		00.40110.20		t
1				1		4		
			/	No.			/	L
53,073	2,966,319	2,386,681 ^T	423,579	80,771	72,299	613,874	15,526	
118,266 ^r	8,549	1,112,425	40,024	216,328	361,340	71,489	3,209 ^x	
171,339 ^r	2,974,868	3,499,106 ^r	463,603	297,099	433,639	685,363	18,735°	1
		940	Uf.					
2,983	1,441,115	123,814	-	6,005		641,488	3,208	1
45,190	28,532	80,315	1,790	5,761	28,030	88,259	-	L
48,173	1,469,647	204,129	1,790	11,766	28,030	729,747	3,208	1
56,056	4,407,434	2,510,495 ^r	423,579	86,776	72,299	1,255,362	18,734	ı
			41,814	222,089	389,370	159,748	3,209 ^r	
163,456 ^T	37,081	1,192,740					21,943r	
219,512 ^r	4,444,515	3,703,235 ^r	465,393	308,865	461,669	1,415,110	21,943*	1
					-			١
24,237	11,476	346,894	81,754 ^r	10,712	2,301	2,696		
93	76	214,419	-	-	-	54,770	46	
24,330	11,552	561,313	81,754 ^r	10,712	2,301	57,466		
243,842	4,456,067	4,264,548	547,147	319,577	463,970	1,472,576	21,943	
43,346	804,844	1,004,964	163,902	73,322	111,633	245,023	1,888	
45,540	-	2,001,704	43,154	39,440	35,664	_		ı
24,840	246,564	418,017	74,581	44,563	75,944	160,108	3,132	
146,116	2,673,505	2,010,882	220,258	86,970	185,297	954,592	10,477	l
1,018 ^r	183,093 ^r	55,828 ^r	7,440 ^T	1,155	302 ^T	19,254 ^r	6,232 ^r	5
147,134	2,856,598	2,066,710	227,698	88,125	185,599	973,846	16,709	١
1,541	21,688	27,206	5,723	2,849	8,664	8,648	60	ı
216,861	3,929,694	3,516,897	515,058	248,299	417,504	1,387,625	21,789	ı
220,002	0,127,000							
-	331,825	2,701	640	46,540 ^r	2,696	2,301	-	
57	17,320	35,990	10,093	364			**	
13,154	1,262	48,641		_	_	162		
3,532	5,089	204,207	-		-	2,293	-	ı
16,743	355,496	291,539	10,733	46,904 ^r	2,696	4,756		١
					0/ 055	(3 000	200	
7,884	123,139	82,012	21,356	21,013	34,259	61,391	- 982	
2,354	47,738	374,100	6/7 3/3	3,361	9,511	18,804	1,136	
243,842	4,456,067	4, 264, 548	547,147	319,577	463,970	1,472,576	21,943	П

... Figures not appropriate or not applicable, r Revised figures.

TABLE 3. Supply of Electric Energy

January - April 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 February March April May June July August September October November December	12,608,469 11,484,276 ^r 12,402,753 11,463,066	282,875 269,358 297,298 291,937	304,582 278,340 292,847 277,125	12,586,762 11,475,294 ^r 12,407,204 11,477,878	305,220 ^r 274,512 ^r 313,325 234,494	12,281,542 ^r 11,200,782 ^r 12,093,879 11,243,384	406,725 410,153 400,087 382,102

r Revised figures.

TABLE 4. Sales of Electric Energy to Ultimate Customers January - February 1965

Year and month	Domestic	Farm(1)	General service (commercial)	Firm power	Secondary power	Total power	Street lighting	Total sale to ultimat customers
				thousand	kwh.			
1964	23,934,160	945,237	11,082,698	78,155,283 ^r	3,415,366 ^r	81,570,649	835,158	118,367,902
1965 - January	2,576,617	98,686	1,118,380	6,897,300°	305,220 ^r	7,202,520	84,894	11,081,097
February March April May June July August September October November December	2,533,835	118,258	1,099,231	6,532,153	274,512 ^x	6,806,665	78,909	10,632,898

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

TABLE 5. Net Generation, 1961-65

CANADA

	Utilities				Grand				
Year and month	Hydro	Thermal	Total	Hydro	Thermal	Total	total		
	thousand kwh.								
1961 1962 1963 1964	82,014,614 80,861,406 80,214,421 84,888,835	7,049,079 10,781,660 15,428,726 17,588,035	89,063,693 91,643,066 95,643,147 102,476,870	21,660,132 22,789,817 23,096,751 28,336,790	2,497,588 2,570,288 2,811,559 3,478,537	24,157,720 25,360,105 25,908,310 31,815,327	113,221,413 117,003,171 121,551,457 134,292,197		
February February March April May June July August September October November December	7,361,809 6,836,788 ^x 7,510,792 7,011,160	2,419,767 2,091,165 ^x 2,057,857 1,886,233	9,781,576 8,927,953° 9,568,649 8,897,393	2,509,096 2,253,992 2,489,637 2,258,348	317,797 302,331 344,467 307,325	2,826,893 2,556,323 2,834,104 2,565,673	12,608,469 11,484,276 12,402,753 11,463,066		

r Revised figures.