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DOMINION BUREAU
OF STATISTICSELECTRIC POWER STATISTICS

JULY 1966

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Table 1 of this report contains preliminary statistics on energy generation, imports, exports and secondary for the month of July 1966. These preliminary statistics indicate that net generation increased 9.1 per cent to 11,824,226 thousand kwh. in July 1966 from 10,830,559^r thousand kwh. generated one year ago.

Imports decreased to 312,122 thousand kwh. from 374,230 thousand kwh. and exports increased to 329,833 thousand kwh. from 279,779 thousand kwh. in July 1965.

Table 2 shows detailed data concerning the amount of energy made available and the disposition of this energy for the month of May 1966. 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 31). 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 "used in own plant" (items 20 and 21). Comparable May 1965 data is shown for all categories where available.

Table 5, 6 and 7 give final data for the months January to May 1966 and preliminary data for other months. In Table 5 secondary energy includes both that used in own plant and that sold to ultimate customers. In May, of the 264,119 thousand kwh. of secondary energy, 93,221 thousand kwh. was used in own plant, while 170,898 thousand kwh. was sold to ultimate customers.

Total generation for the twelve-month period ending July 31, 1966 amounted to 151,903,402 thousand kwh. compared to 150,909,753^r thousand kwh. for the period ending in June.

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 99.5 per cent of total production in 1964.

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

Industry Division

September 1966
6503-513

TABLE 1. Preliminary Electric Energy Statistics

July 1966

No.		Canada 1965	Canada	Newfound- land	Prince Edward Island
thousand kwh.					
1	Net generation - Hydro	8,891,464	10,071,627	190,606	-
2	Thermal	1,939,095 ^r	1,752,599	22,311	12,267
3	Total net generation (1 + 2)	10,830,559 ^r	11,824,226	212,917	12,267
Energy received from other provinces and imported:					
4	Received from other provinces .....	...	...	-	-
5	Imported from United States	374,230	312,122	-	-
6	Total received from other provinces and imported (4 + 5)	374,230	312,122	-	-
Energy delivered to other provinces and exported:					
7	Delivered to other provinces - Firm .....	...	...	3,900	-
8	Secondary .....	...	...	2,231	-
9	Exported to United States - Firm	40,413 ^r	44,398	-	-
10	Secondary	239,366 ^r	285,435	-	-
11	Total delivered to other provinces and exported (7 + 8 + 9 + 10)	279,779	329,833	6,131	-
12	Total made available for use in Canada (3 + 6 - 11)	10,925,010 ^r	11,806,515	206,786	12,267
13	Secondary energy used in Canada(1)	226,798 ^r	199,875	-	-
14	Firm energy made available for use in Canada (12 - 13)	10,698,212 ^r	11,606,640	206,786	12,267

(1) Includes secondary energy used in own plant and sold to ultimate customers.

TABLE 2. Supply and Disposal of Electric Energy

May 1966

No.		Canada 1965	Canada	Newfound- land	Prince Edward Island
thousand kwh.					
<u>Supply of electric energy</u>					
Net generation:					
1	Utilities - Hydro	7,512,586	8,596,917	196,777	-
2	Thermal	1,271,801	1,484,828 ^r	7,599	11,638
3	Totals (1 + 2)	8,784,387	10,081,745 ^r	204,376	11,638
4	Industry - Hydro	2,251,452	2,430,858	40,334	-
5	Thermal	329,559 ^r	304,490	5,413	-
6	Totals (4 + 5)	2,581,011 ^r	2,735,348	45,747	-
7	Grand total - Hydro (1 + 4)	9,764,038	11,027,775	237,111	-
8	Thermal (2 + 5)	1,601,360 ^r	1,789,318 ^r	13,012	11,638
9	Total net generation (7 + 8)	11,365,398 ^r	12,817,093 ^r	250,123	11,638
Energy received from other provinces and imported:					
10	Received from other provinces .....	...	...	-	-
11	Imported from United States	327,919	191,092	-	-
12	Total received from other provinces and imported (10 + 11)	327,919	191,092	-	-
13	Total supply of energy (9 + 12)	11,693,317 ^r	13,008,185	250,123	11,638
<u>Disposal of electric energy</u>					
Energy delivered to other provinces and exported:					
14	Delivered to other provinces - Firm .....	...	...	3,637	-
15	Secondary .....	...	...	2,684	-
16	Exported to United States - Firm	58,717	63,140	-	-
17	Secondary	258,805	264,640	-	-
18	Total delivered to other provinces and exported (14 + 15 + 16 + 17)	317,533	327,780	6,321	-
19	Total made available for use in Canada (13 - 18) ...	11,375,795	12,680,405	243,802	11,638
20	Energy used in own plant - Firm .....	... (3)	3,176,149	94,848	-
21	Secondary .....	... (3)	93,221	-	-
22	Total used in own plant (20 + 21) .....	... (3)	3,269,370	94,848	-
Sales to ultimate customers:					
23	Power - Firm	6,965,439 ^r	4,446,985	104,253	198
24	Secondary	242,963 ^r	170,898 ^r	-	919 ^r
25	General service (commercial)	970,003 ^r	1,071,759	7,793	4,343
26	Domestic	2,047,431 ^r	2,300,705	21,531	4,569
27	Farm(1)	95,288	105,414	-	-
28	Street lighting	68,962 ^r	74,375	707	136
29	Total sales to ultimate customers (23 + 24 + 25 + 26 + 27 + 28)	10,390,086 ^r	8,170,136	134,284	10,165
30	Unallocated energy(2)	559,500 ^r	760,954	13,586	1,256
31	Distribution by non-respondents	426,209 ^r	479,945	1,084	217
32	Total disposal of energy (18 + 22 + 29 + 30 + 31)	11,693,317 ^r	13,008,185	250,123	11,638

(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.

(3) Amount used in own plant is included in firm and secondary power sales in 1965.

TABLE 1. Preliminary Electric Energy Statistics

July 1966

Nova Scotia	New-Brunswick	Quebec	Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.									
37,629	56,376	4,807,514	2,781,287	401,568	190,563	171,141	1,417,919	17,024	1
176,254	202,143	32,805	730,868	2,319	114,618	268,083	189,071	1,860	2
213,883	258,519	4,840,319	3,512,155	403,887	305,181	439,224	1,606,990	18,884	3
4,861	16,820	9,619	540,047	50,377	4,017	4,929	-	-	4
-	228	60	236,246	-	-	-	75,588	-	5
4,861	17,048	9,679	776,293	50,377	4,017	4,929	75,588	-	6
9,235	-	370,636	-	742	49,540	-	4,929	-	7
4,940	4,861	171,406	4,156	3,925	169	-	-	-	8
-	9,725	898	33,490	-	-	-	285	-	9
-	13,708	1,320	242,964	-	-	-	27,443	-	10
14,175	28,294	544,260	280,610	4,667	49,709	-	32,657	-	11
204,569	247,273	4,305,738	4,007,838	449,597	259,489	444,153	1,649,921	18,884	12
-	616	130,177	39,058	4,128	1,403	-	21,580	2,813	13
204,569	246,657	4,175,561	3,968,780	445,469	258,086	444,153	1,628,241	16,071	14

TABLE 2. Supply and Disposal of Electric Energy

May 1966

Nova Scotia	New-Brunswick	Quebec	Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.									
32,970	160,242	3,534,559	3,197,858	455,453	192,506	100,256	708,374	17,922	1
165,615	74,591	1,792	603,644	8,067 ^r	106,714	329,838	173,135	2,195	2
138,585	234,833	3,536,351	3,801,502	463,520 ^r	299,220	430,094	881,509	20,117	3
2,409	9,281	1,495,193	134,044	4,943	6,578	-	734,732	3,344	4
15,211	43,515	28,767	80,128	7	9,528	30,655	91,266	-	5
17,620	52,796	1,523,960	214,172	4,950	16,106	30,655	825,998	3,344	6
35,379	169,523	5,029,752	3,331,902	460,396	199,084	100,256	1,443,106	21,266	7
180,826	118,106	30,559	683,772	8,074 ^r	116,242	360,493	264,401	2,195	8
216,205	287,629	5,060,311	4,015,674	468,470 ^r	315,326	460,749	1,707,507	23,461	9
15,164	16,926	12,829	496,137	52,340	16,253	2,073	-	-	10
-	3,656	69	155,408	-	-	-	31,959	-	11
15,164	20,582	12,898	651,545	52,340	16,253	2,073	31,959	-	12
231,369	308,211	5,073,209	4,667,219	520,810	331,579	462,822	1,739,466	23,461	13
12,405	-	377,154	-	881	50,660	-	2,073	-	14
816	15,164	121,992	7,868	16,068	320	-	-	-	15
-	27,695	1,210	34,024	-	-	-	211	-	16
-	10,450	3	221,339	-	-	-	32,848	-	17
13,221	53,309	500,359	263,231	16,949	50,980	-	35,132	-	18
218,148	254,902	4,572,850	4,403,988	503,861	280,599	462,822	1,704,334	23,461	19
23,794	94,466	1,448,123	490,090	51,316	13,980	41,234	915,418	2,880	20
-	1,276	41,226	16,400	5,876	1,252	-	26,734	457	21
23,794	95,742	1,489,349	506,490	57,192	15,232	41,234	942,152	3,337	22
64,740	78,547	1,714,171	1,744,736	186,622	89,264	184,014	271,389	9,051	23
2,345 ^r	6,175 ^r	98,981 ^r	42,978 ^r	14,348 ^r	-	475 ^r	-	4,677 ^r	24
39,280	24,269	210,347	441,612	61,237	42,482	69,035	168,947	2,414	25
55,653	39,930	706,535	980,377	119,140	55,875	79,954	235,641	1,500	26
-	-	-	-	32,096	38,920	34,398	-	-	27
1,723	1,610	23,083	27,526	4,213	1,931	6,614	6,806	26	28
163,741	150,531	2,753,117	3,237,229	417,656	228,472	374,490	682,783	17,668	29
16,527	6,351	283,751	273,552	29,013	33,836	39,001	62,565	1,516	30
14,086	2,278	46,633	386,717	-	3,059	8,097	16,834	940	31
231,369	308,211	5,073,209	4,667,219	520,810	331,579	462,822	1,739,466	23,461	32

^r Revised figures.

... Figures not appropriate or not applicable.

TABLE 3. Cumulative Preliminary Electric Energy Statistics

January - July 1965

No.		Canada 1965	Canada	Newfound- land	Prince Edward Island
				thousand kwh.	
1	Net generation - Hydro	65,788,399	74,772,359	1,519,017	-
2	Thermal	15,111,968	14,872,798	127,785	85,332
3	Total net generation (1 + 2)	80,900,367	89,645,157	1,646,802	85,332
	Energy received from other provinces and imported:				
4	Received from other provinces .....	...	...	-	-
5	Imported from United States	2,249,206	1,577,373	-	-
6	Total received from other provinces and imported (4 + 5)	2,249,206	1,577,373	-	-
	Energy delivered to other provinces and exported:				
7	Delivered to other provinces - Firm .....	...	...	28,827	-
8	Secondary .....	...	...	15,280	-
9	Exported to United States - Firm	395,666	369,768	-	-
10	Secondary	1,633,447	1,841,587	-	-
11	Total delivered to other provinces and exported (7 + 8 + 9 + 10)	2,029,113	2,211,355	44,107	-
12	Total made available for use in Canada (3 + 6 - 11)	81,120,460	89,011,175	1,602,695	85,332
13	Secondary energy used in Canada(1)	1,692,800	1,941,452	493	3,953
14	Firm energy made available for use in Canada (12 - 13)	79,427,660	87,069,723	1,602,202	81,379

(1) Includes secondary energy used in own plant and sold to ultimate customers.

TABLE 4. Cumulative Supply and Disposal of Electric Energy

January - May 1966

No.		Canada 1965	Canada	Newfound- land	Prince Edward Island
				thousand kwh.	
<u>Supply of electric energy</u>					
	Net generation:				
1	Utilities - Hydro	36,209,191	41,825,174	920,419	-
2	Thermal	9,726,937	9,821,732	66,650	62,008
3	Totals (1 + 2)	45,936,128	51,646,906	987,069	62,008
4	Industry - Hydro	11,762,580	12,315,567	193,934	-
5	Thermal	1,601,069	1,603,597	26,083	-
6	Totals (4 + 5)	13,363,649	13,919,164	220,017	-
7	Grand total - Hydro (1 + 4)	47,971,771	54,140,741	1,114,353	-
8	Thermal (2 + 5)	11,328,006	11,425,329	92,733	62,008
9	Total net generation (7 + 8)	59,299,777	65,566,070	1,207,086	62,008
	Energy received from other provinces and imported:				
10	Received from other provinces .....	...	...	-	-
11	Imported from United States	1,469,367	1,041,816	-	-
12	Total received from other provinces and imported (10 + 11)	1,469,367	1,041,816	-	-
13	Total supply of energy (9 + 12)	60,769,144	66,607,886	1,207,086	62,008
<u>Disposal of electric energy</u>					
	Energy delivered to other provinces and exported:				
14	Delivered to other provinces - Firm .....	...	...	21,905	-
15	Secondary .....	...	...	10,641	-
16	Exported to United States - Firm	306,949	276,426	-	-
17	Secondary	1,163,467	1,255,456	-	-
18	Total delivered to other provinces and exported (14 + 15 + 16 + 17)	1,470,416	1,531,882	32,546	-
19	Total made available for use in Canada (13 - 18) ...	59,298,728	65,076,004	1,174,540	62,008
20	Energy used in own plant - Firm .....	... (3)	15,123,965	440,419	-
21	Secondary .....	... (3)	875,178	-	-
22	Total used in own plant (20 + 21) .....	... (3)	15,999,143	440,419	-
	Sales to ultimate customers:				
23	Power - Firm	33,921,502	21,849,241	506,763	1,285
24	Secondary	1,367,972	690,061	493	4,872
25	General service (commercial)	5,301,751	5,817,507	41,630	22,940
26	Domestic	11,920,547	12,944,689	119,891	26,067
27	Farm(1)	534,772	573,808	-	-
28	Street lighting	382,206	411,435	4,129	794
29	Total sales to ultimate customers (23 + 24 + 25 + 26 + 27 + 28)	53,428,750	42,286,741	672,906	55,958
30	Unallocated energy(2)	3,522,413	4,124,103	56,826	4,872
31	Distribution by non-respondents	2,347,565	2,666,017	4,389	1,178
32	Total disposal of energy (18 + 22 + 29 + 30 + 31)	60,769,144	66,607,886	1,207,086	62,008

(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 3. Cumulative Preliminary Electric Energy Statistics

January - July 1966

Nova Scotia	New-Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.									
248,692	751,147	34,925,476	21,825,156	3,465,861	1,119,350	886,812	9,873,417	157,431	1
1,382,250	1,066,519	248,629	6,223,078	57,864	1,173,788	2,573,264	1,917,698	16,591	2
1,630,942	1,817,666	35,174,105	28,048,234	3,523,725	2,293,138	3,460,076	11,791,115	174,022	3
35,014	154,462	87,965	3,380,283	377,556	146,345	17,872	15,091	-	4
-	8,531	540	1,239,777	-	-	-	328,525	-	5
35,014	162,993	88,505	4,620,060	377,556	146,345	17,872	343,616	-	6
80,634	-	2,642,552	-	5,138	368,334	15,091	17,872	-	7
46,435	35,014	760,787	51,548	145,544	1,532	-	-	-	8
-	128,188	8,020	232,018	-	-	-	1,542	-	9
-	64,875	2,403	1,505,951	-	-	-	268,358	-	10
127,069	228,077	3,413,762	1,789,517	150,682	369,866	15,091	287,772	-	11
1,538,887	1,752,582	31,848,848	30,878,777	3,750,599	2,069,617	3,462,857	11,846,959	174,022	12
3,093	46,153	1,119,509	390,964	139,990	8,167	1,305	192,110	35,715	13
1,535,794	1,706,429	30,729,339	30,487,813	3,610,609	2,061,450	3,461,552	11,654,849	138,307	14

TABLE 4. Cumulative Supply and Disposal of Electric Energy

January - May 1966

Nova Scotia	New-Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.	No.
thousand kwh.									
155,226	558,016	17,569,974	15,144,214	2,622,992	704,910	574,567	3,462,932	100,924	1
911,797	485,460	31,827	4,454,083	43,261	893,881	1,842,656	1,017,352	12,757	2
1,078,023	1,043,476	17,601,801	19,598,297	2,666,253	1,598,791	2,417,223	4,480,284	113,681	3
10,787	26,754	7,719,683	693,712	25,569	32,082	-	3,595,971	17,075	4
95,936	241,786	151,817	416,179	38	45,944	154,700	471,114	-	5
106,723	268,540	7,871,500	1,109,891	25,607	78,026	154,700	4,067,085	17,075	6
177,013	584,770	25,289,657	15,837,926	2,648,561	736,992	574,567	7,058,903	117,999	7
1,007,733	727,246	183,644	4,870,262	43,299	939,825	1,997,356	1,488,466	12,757	8
1,184,746	1,312,016	25,473,301	20,708,188	2,691,860	1,676,817	2,571,923	8,547,369	130,756	9
29,281	108,525	65,000	2,296,229	273,485	134,325	9,731	15,091	-	10
-	8,042	408	829,557	-	-	-	203,809	-	11
29,281	116,567	65,408	3,125,786	273,485	134,325	9,731	218,900	-	12
1,214,027	1,428,583	25,538,709	23,833,974	2,965,345	1,811,142	2,581,654	8,766,269	130,756	13
54,534	-	1,891,207	-	3,666	267,153	15,091	9,731	-	14
31,189	29,281	424,862	38,057	133,621	729	-	-	-	15
-	103,738	6,034	165,582	-	-	-	1,072	-	16
-	40,039	543	1,002,949	-	-	-	211,925	-	17
85,723	173,058	2,322,646	1,206,588	137,287	267,882	15,091	222,728	-	18
1,128,304	1,355,525	23,216,063	22,627,386	2,828,058	1,543,260	2,566,563	8,543,541	130,756	19
130,838	429,659	6,924,441	2,360,243	266,655	66,403	203,648	4,286,799	14,860	20
-	22,474	535,283	115,145	47,074	5,794	-	146,772	2,636	21
130,838	452,133	7,459,724	2,475,388	313,729	72,197	203,648	4,433,571	17,496	22
300,700	339,217	8,527,159	8,508,881	947,531	425,567	917,245	1,322,483	52,410	23
5,438	28,557	333,821	212,959	75,302	-	1,780	-	26,839	24
223,664	132,832	1,164,690	2,316,289	352,325	266,455	388,402	896,448	11,832	25
308,570	229,643	3,952,525	5,258,725	748,438	362,089	541,478	1,387,558	9,705	26
-	-	-	-	187,373	196,578	189,857	-	-	27
9,404	8,487	117,698	141,173	28,970	13,634	43,427	43,475	244	28
847,776	738,736	14,095,893	16,438,027	2,339,939	1,264,323	2,082,189	3,649,964	101,030	29
73,077	52,646	1,399,152	1,570,519	174,390	189,377	234,395	362,391	6,458	30
75,613	12,010	261,294	2,143,452	-	17,363	46,331	97,615	5,772	31
1,214,027	1,428,583	25,538,709	23,833,974	2,965,345	1,811,142	2,581,654	8,766,269	130,756	32

(3) Amount used in own plant is included in firm and secondary power sales in 1965.

... Figures not appropriate or not applicable.

TABLE 5. Supply of Electric Energy

January - July 1966

Month	Total net generation	Imports from United States	Exports to United States	Net energy made available in Canada	Secondary energy used in Canada	Firm energy made available in Canada	Daily average, total net generation
thousand kwh.							
January	13,966,466	245,055	311,392	13,900,129	330,765	13,569,360	450,531
February	12,612,938	213,019	278,318	12,547,639	325,415	12,222,224	450,462
March	13,596,765	215,900	304,959	13,507,706	362,178	13,145,528	438,605
April	12,572,808	176,750	309,433	12,440,125	283,278	12,156,847	419,094
May	12,817,093 ^r	191,092	327,780	12,680,405 ^r	264,119 ^r	12,416,286 ^r	413,455 ^r
June	12,254,416	223,435	349,640	12,128,211	194,522	11,933,689	408,481
July	11,824,226	312,122	329,833	11,806,515	199,875	11,606,640	381,427
August							
September							
October							
November							
December							
Year							

^r Revised figures.

TABLE 6. Sales of Electric Energy to Ultimate Customers

January - May 1966

Year and month	Domestic	Farm(1)	General service (commercial)	Firm power(2)	Secondary power(2)	Total power(2)	Street lighting	Total sales to ultimate customers
thousand kwh.								
1964	23,934,160	945,237	11,082,698	76,994,091	3,415,366	80,409,457	835,158	117,206,710
1965	25,795,091	1,092,482	12,398,338	82,854,369	3,809,402	86,663,771	917,637	126,867,319
1966 - January	2,734,290	98,297	1,223,072	7,430,921	330,769	7,761,690	91,436	11,908,785
February	2,752,889	130,008	1,204,162	6,995,997	325,415	7,321,412	85,192	11,493,668
March	2,661,065	125,056	1,166,203	7,493,123	362,178	7,855,301	82,066	11,889,691
April	2,495,740	115,033	1,152,311	7,429,511	283,278	7,712,789	78,366	11,554,329
May	2,300,705	105,414	1,071,759	7,623,134	264,119	7,887,253	74,375	11,439,506
June								
July								
August								
September								
October								
November								
December								
Year								

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

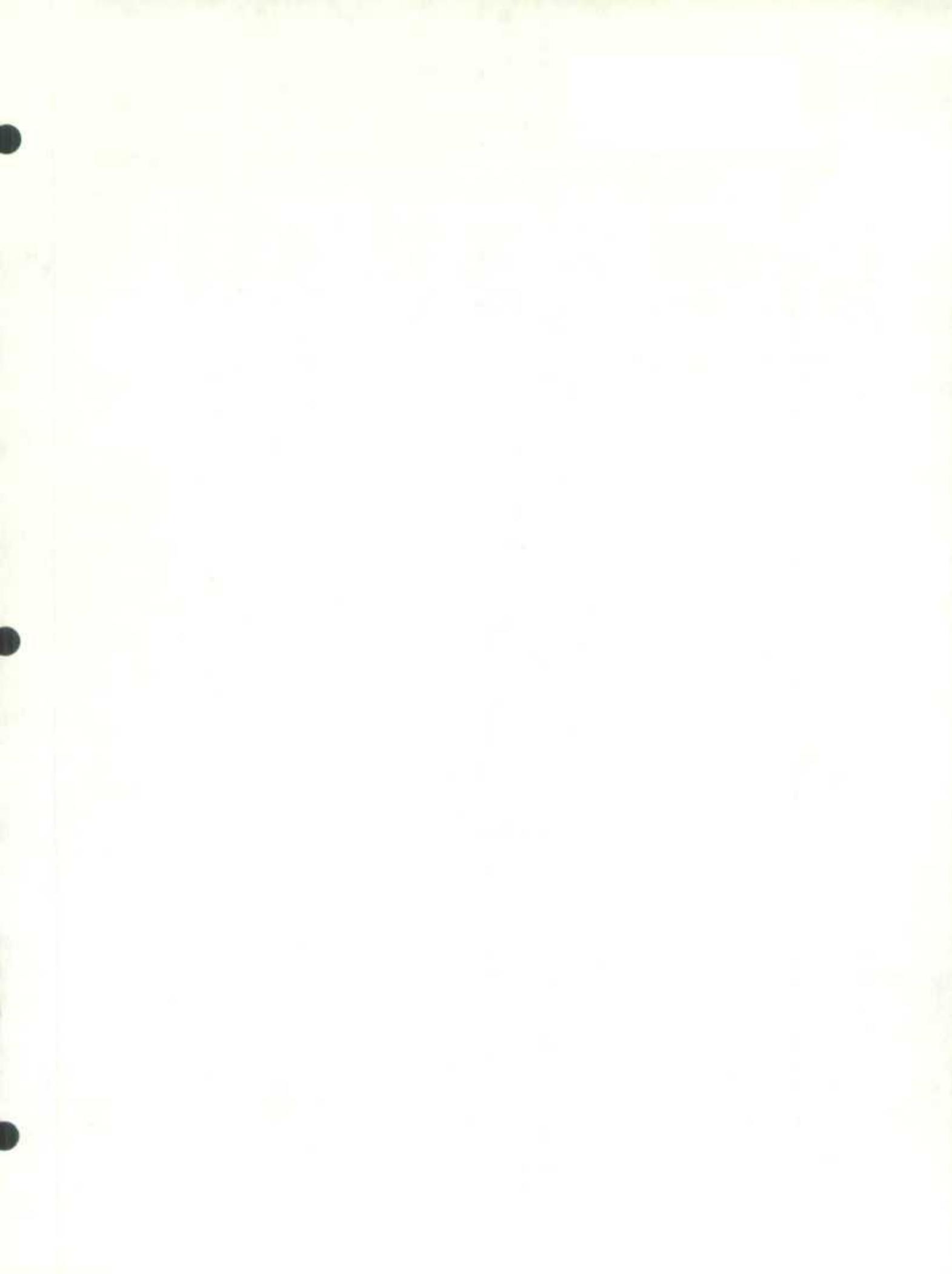
(2) Includes sales to industrial establishments with generating facilities.

TABLE 7. Net Generation, 1961-66

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	23,102,958	2,811,630	25,914,588	121,557,735
1964	84,888,835	17,588,035	102,476,870	28,336,790	3,478,537	31,815,327	134,292,197
1965	87,490,735	22,572,614	110,063,349	29,219,645	3,877,684	33,097,329	143,160,678
1966 - January	8,617,208	2,413,701	11,030,909	2,603,539	332,018	2,935,557	13,966,466
February	7,774,154	2,139,397	9,913,551	2,385,020	314,367	2,699,387	12,612,938
March	8,657,761	2,073,002	10,730,763	2,519,641	346,361	2,866,002	13,596,765
April	8,179,134	1,710,804	9,889,938	2,376,509	306,361	2,682,870	12,572,808
May	8,596,917	1,484,828 ^r	10,081,745 ^r	2,430,858	304,490	2,735,348	12,817,093 ^r
June	8,224,335	1,387,164	9,611,499	2,335,656	307,261	2,642,917	12,254,416
July	7,710,106	1,461,117	9,171,223	2,361,521	291,482	2,653,003	11,824,226
August							
September							
October							
November							
December							
Year							

^r Revised figures.



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