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CATALOGUE No.
57-001
MONTHLY

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Hon. George Hees, Minister of Trade and Commerce

Vol. 29 No. 7 Price $1.00 per year

8 A.M. RELEASE
SEP 11 1961

ELECTRIC POWER STATISTICS

JULY, 1961

In the month of July 1961, those firms with a minimum generation of 10 million kilowatt hours per annum produced 8,639,875 megawatt hours. This is a decrease of 4.6 per cent from the 9,056,057 generated one year ago. This decline is largely due to the temporary shutdown in mid June of the Kemano plant in British Columbia.

Generation by utilities decreased 1.5 per cent to 6,941,347 mwh. and industrial establishments decreased their generation 15.5 per cent to 1,698,528 mwh.

Imports for this period increased to 69,420 mwh. from 7,326 a year ago while exports decreased to 399,032 mwh. from 642,025. During the month 8,310,263 mwh. were made available for use in Canada: 7,884,792 mwh. for primary purposes, and the remainder 425,471 was used in electric boilers.

In the twelve month period ending July 31, 1961, there were 113,295,132 mwh. generated in Canada.

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 kilowatt hours per annum. These firms, however, accounted for 99.3 per cent of total production in 1959.

In the electric power series, net generation is defined as total generation less the amount used in station service. Net exports to the United States are deducted from total net generation in order to arrive at the amount of electric energy made available for use in Canada. Some of the amount made available is sold as surplus or secondary power and used, for the most part, in electric boilers. As this is the only form of secondary consumption that can readily be ascertained for all provinces, energy used in electric boilers is deducted from the amount made available in order to provide a figure more closely approximating primary consumption which is recognized as the more sensitive economic indicator.

Prepared in the Public Utilities Section

DOMINION BUREAU OF STATISTICS
SEP 13 1961
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ROGER DUHAMEL, F.R.S.C., Queen's Printer and Controller of Stationery, Ottawa, 1961

Electric Energy Made Available

July, 1961

	Canada	Newfoundland	Prince Edward Island	Nova Scotia
	thousand kwh.			
Net generation:				
Utilities:				
Hydro	6,475,900	78,049	-	41,396
Thermal	465,447	2,366	6,799	86,386
Total utilities	6,941,347	80,415	6,799	127,782
Industry:				
Hydro	1,502,032	32,610	-	2,590
Thermal	196,496	1,487	-	10,636
Total industry	1,698,528	34,097	-	13,226
Total net generation	8,639,875	114,512	6,799	141,008
Energy imported:				
From other provinces	...	-	-	802
From United States	69,420	-	-	-
Total imported	69,420	-	-	802
Energy exported:				
To other provinces	...	6,198	-	7,422
To United States - Primary	94,547	-	-	-
Secondary	304,485	-	-	-
Total exported	399,032	6,198	-	7,422
Energy made available in Canada(1)	8,310,263	108,314	6,799	134,388
Amount used in electric boilers	425,471	-	-	-
Energy made available less amount used in boilers	7,884,792	108,314	6,799	134,388
	Cumulative totals, January - July			
Net generation:				
Utilities:				
Hydro	47,466,064	562,677	-	320,663
Thermal	3,825,960	21,559	48,641	670,877
Total utilities	51,292,024	584,236	48,641	991,540
Industry:				
Hydro	12,790,627	210,441	-	17,443
Thermal	1,426,682	25,686	-	74,162
Total industry	14,217,309	236,127	-	91,605
Total net generation	65,509,333	820,363	48,641	1,083,145
Energy imported:				
From other provinces	...	-	-	8,761
From United States	565,248	-	-	-
Total imported	565,248	-	-	8,761
Energy exported:				
To other provinces	...	45,357	-	69,106
To United States - Primary	643,208	-	-	-
Secondary	1,802,914	-	-	-
Total exported	2,446,122	45,357	-	69,106
Energy made available in Canada(1)	63,628,459	775,006	48,641	1,022,800
Amount used in electric boilers	3,595,019	2,157	-	-
Energy made available less amount used in boilers	60,033,440	772,849	48,641	1,022,800
July, 1960				
Total net generation	9,056,057r	118,867r	6,181	129,703r
Total energy imported	7,326r	-	-	-
Total energy exported	642,025	7,464	-	1,032
Total made available in Canada(1)	8,421,358r	111,403r	6,181	128,671r
Amount used in electric boilers	540,134r	5,418	-	-
Total made available less amount used in boilers	7,881,224r	105,985r	6,181	128,671r
January - July, 1960				
Total net generation	66,370,306r	866,649r	43,655	991,935r
Total energy imported	177,057r	-	-	-
Total energy exported	3,342,952	44,838	-	8,540
Total made available in Canada(1)	63,204,411r	821,811r	43,655	983,395r
Amount used in electric boilers	4,553,543r	61,455	-	-
Total made available less amount used in boilers	58,650,868r	760,356r	43,655	983,395r

(1) Includes interruptible and at-will energy and energy used in electric boilers.
... Figures not appropriate or not applicable.
r Revised figures.

Electric Energy Made Available

July, 1961

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
80,685	2,694,849	2,699,688	265,959	47,317	93,051	465,877	9,029
25,098	9,261	9,818	12,187	134,652	159,236	18,296	1,348
105,783	2,704,110	2,709,506	278,146	181,969	252,287	484,173	10,377
4,961	1,069,456	116,429	3,733	2,818	-	264,382	5,053
40,473	20,342	49,224	-	4,739	23,088	46,507	-
45,434	1,089,798	165,653	3,733	7,557	23,088	310,889	5,053
151,217	3,793,908	2,875,159	281,879	189,526	275,375	795,062	15,430
8,774	7,864	377,231	68,691	294	3,903	3	-
1,106	39	66,928	-	-	-	1,347	-
9,880	7,903	444,159	68,691	294	3,903	1,350	-
802	378,580	22,143	297	48,214	3	3,903	-
9,870	29,939	54,506	-	-	-	232	-
5,553	1,488	296,094	3	-	-	1,347	-
16,225	410,007	372,743	300	48,214	3	5,482	-
144,872	3,391,804	2,946,575	350,270	141,606	279,275	790,930	15,430
133	376,869	34,924	-	-	-	10,516	3,029
144,739	3,014,935	2,911,651	350,270	141,606	279,275	780,414	12,401

Cumulative totals, January - July

483,788	20,421,349	18,942,860	2,145,404	361,156	568,022	3,590,825	69,320
223,586	12,216	318,207	35,411	1,010,056	1,350,312	124,312	10,783
707,374	20,433,565	19,261,067	2,180,815	1,371,212	1,918,334	3,715,137	80,103
31,257	8,017,946	825,519	30,778	20,288	-	3,609,469	27,486
282,935	147,226	377,059	-	32,468	176,343	310,803	-
314,192	8,165,172	1,202,578	30,778	52,756	176,343	3,920,272	27,486
1,021,566	28,598,737	20,463,645	2,211,593	1,423,968	2,094,677	7,635,409	107,589
79,974	56,950	3,128,723	505,964	2,606	18,574	913	-
8,114	364	546,857	-	-	-	9,913	-
88,088	57,314	3,675,580	505,964	2,606	18,574	10,826	-
8,761	3,139,383	130,156	2,814	387,401	913	18,574	-
66,616	201,211	374,434	-	-	-	947	-
43,933	32,387	1,715,581	21	-	-	10,992	-
119,310	3,372,981	2,220,171	2,835	387,401	913	30,513	-
990,344	25,283,070	21,919,054	2,714,722	1,039,173	2,112,338	7,615,722	107,589
749	3,049,478	329,991	53,581	-	-	132,715	26,348
989,595	22,233,592	21,589,063	2,661,141	1,039,173	2,112,338	7,483,007	81,241
137,195	3,869,165	3,040,773	271,452	167,204	255,620[r]	1,046,226	13,671
3,532[r]	9,023	351,488	47,687	451	3,705	2,042	-
11,956	403,878	576,351	259	45,528	212	5,947	-
128,771[r]	3,474,310	2,815,910	318,880	122,127	259,113[r]	1,042,321	13,671
112	455,669	42,164	20,280	-	-	14,507[r]	1,984
128,659[r]	3,018,641	2,773,746	298,600	122,127	259,113[r]	1,027,814[r]	11,687
1,041,542	29,005,812[r]	21,225,161[r]	2,200,283	1,282,287	1,949,968[r]	7,670,743[r]	92,271
23,666[r]	55,801	3,358,661[r]	432,454	3,940	17,645	63,428	-
101,807	3,591,542[r]	2,988,969	2,181	351,773	3,852	27,988	-
963,401[r]	25,470,071[r]	21,594,853[r]	2,630,556	934,454	1,963,761[r]	7,706,183[r]	92,271
1,364	3,675,987	370,993	285,700	-	-	143,849[r]	14,195
962,037[r]	21,794,084[r]	21,223,860[r]	2,344,856	934,454	1,963,761[r]	7,562,334[r]	78,076

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Electric Energy Made Available

January - July, 1961

Month	Total net generation	Imports from United States	Exports to United States	Total made available in Canada	Total made available less amount used in boilers	Daily Average	
						Total net generation	Total made available
	thousand kwh.						
January	9,985,232r	96,936	278,199	9,803,969r	9,239,322r	322,104r	298,043r
February	9,014,066r	100,277	226,772	8,887,571r	8,426,616r	321,931r	300,950r
March	9,863,897r	83,619	282,890	9,664,626r	9,067,340r	318,190r	292,495r
April	9,416,299r	91,759	423,436	9,084,622r	8,519,541r	313,877r	283,985r
May	9,686,927r	67,599	460,107	9,294,419r	8,670,759r	312,482r	279,702r
June	8,903,037r	55,638	375,686	8,582,989r	8,225,070r	296,768r	274,169r
July	8,639,875	69,420	399,032	8,310,263	7,884,792	278,706	254,348
August							
September							
October							
November							
December							
Year							

Net Generation, 1949-61

CANADA

Year and month	Utilities			Industry			Grand total
	Hydro	Thermal	Total	Hydro	Thermal	Total	
	thousand kwh.						
1949	35,783,737	1,390,562	37,174,299	..	..	12,889,749	50,064,048
1950	39,342,277	1,647,557	40,989,834	..	..	13,428,593	54,418,427
1951	45,819,227	1,732,652	47,551,879	..	..	13,369,527	60,921,406
1952	49,156,895	2,222,115	51,379,010	..	..	14,086,950	65,465,960
1953	49,160,361	3,797,345	52,957,706	..	..	16,400,824	69,358,530
1954	51,713,904	3,178,434	54,892,338	..	..	17,547,555	72,439,893
1955	57,996,293	3,197,153	61,193,446	..	..	18,381,161	79,574,607
1956	64,013,966	4,292,898	68,306,864	..	..	19,119,968	87,426,832
1957	65,817,043	5,572,995	71,390,038	17,155,908	1,714,697	18,870,605	90,260,643
1958	70,838,966	4,690,734	75,529,700	19,409,459	1,816,609	21,226,068	96,755,768
1959	77,251,848	5,286,363	82,538,211	19,265,330	2,052,553	21,317,883	103,856,094
1960	83,024,886	5,948,587r	88,973,473r	22,743,499	2,309,691	25,053,190	114,026,663r
1960 January	7,321,813	505,605	7,827,418	1,869,453	191,342	2,060,795	9,888,213
February	6,933,208	466,596	7,399,804	1,856,992	186,235	2,043,227	9,443,031
March	7,291,110	529,207r	7,820,317r	2,028,749	221,539	2,250,288	10,070,605r
April	6,881,069	414,011r	7,295,080r	1,929,442	185,718	2,115,160	9,410,240r
May	6,987,146	403,972r	7,391,118r	1,778,285	198,438	1,976,723	9,367,841r
June	6,778,899	385,349r	7,164,248r	1,778,372	191,699	1,970,071	9,134,319r
July	6,641,461	405,347r	7,046,808r	1,835,921	173,328	2,009,249	9,056,057r
August	6,717,367	493,525r	7,210,892r	1,926,008	188,688	2,114,696	9,325,588r
September	6,625,090	539,010r	7,164,100r	1,895,961	194,847	2,090,808	9,254,908r
October	6,821,417	601,196r	7,422,613r	1,962,466	191,878	2,154,344	9,576,957r
November	6,893,835	580,203r	7,474,038r	1,918,275	197,289	2,115,564	9,589,602r
December	7,132,471	624,566r	7,757,037r	1,963,575	188,690	2,152,265	9,909,302r
1961 January	7,127,301	682,037r	7,809,338r	1,968,635	207,259	2,175,894	9,985,232r
February	6,345,114	655,690r	7,000,804r	1,811,204	202,058	2,013,262	9,014,066r
March	6,983,874	613,968r	7,597,842r	2,046,435	219,620	2,266,055	9,863,897r
April	6,824,671	492,869r	7,317,540r	1,907,477	191,282	2,098,759	9,416,299r
May	7,108,261	495,902r	7,604,163r	1,880,146	202,618	2,082,764	9,686,927r
June	6,660,943	420,047r	7,020,990r	1,674,698	207,349	1,882,047	8,903,037r
July	6,475,900	465,447	6,941,347	1,502,032	196,496	1,698,528	8,639,875
August							
September							
October							
November							
December							

.. Figures not available.
r Revised figures.