



## ELECTRIC POWER STATISTICS

June, 1960

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 1958.

Prior to 1957, statistics in the monthly series related only to power produced for sale. This included all of the energy produced by electric utilities but only a comparatively small amount of the generation of industrial establishments which are defined as concerns which generate electricity primarily for use in own plant. Since January 1957 when industrial establishments commenced reporting their entire production, the industrial group has accounted for approximately 21 per cent of the total production of electric energy in Canada.

Early in 1957, industrial establishments were asked to provide generation figures on the revised basis for the period 1949-1956. In some instances estimates had to be made. The results for Canada and the provinces were published as a supplement to the June 1957 report. The Supplement issued with the January 1960 report brings the provincial historical tables up to date and in line with Canada totals which are shown regularly in the monthly report.

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.

Total net generation of electric energy in Canada by firms, which produce 10 million kilowatt hours or more per annum, amounted to 9,132,588 megawatt hours in June, 1960, a rise of 10.2 per cent over the 8,289,846 mwh. generated one year ago. Generation by utilities rose 9.7 per cent to 7,162,722 mwh. while production by industrial establishments increased 12.0 per cent to 1,969,866 mwh.

The amount of electric energy made available for use, in Canada, in June rose 9.7 per cent to 8,595,326 mwh. from 7,834,022 in 1959. Net exports to the United States increased 17.9 per cent with imports down 7,075 mwh. to 17,290 and exports up 74,363 to 554,552 mwh.

Electric energy used in electric boilers showed an increase of 26.0 per cent to 566,460 mwh. with the amount remaining for largely non-secondary uses increasing 8.7 per cent to 8,028,866 from 7,384,486.

Prepared in the Public Utilities Section



Electric Energy Made Available

June, 1960

New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon and N.W.T.
(Thousand kwh.)							
92,062	2,802,298	2,879,445	278,828	44,853	85,934	459,044	7,782
16,148	1,393	5,224	185	116,106	148,517	15,284	930
108,210	2,803,691	2,884,669	279,013	160,959	234,451	474,328	8,712
7,247	1,056,440	127,638	3,465	2,958	-	539,999	5,001
35,541	21,530	50,395	-	5,457	26,545	41,937	-
42,788	1,077,970	178,033	3,465	8,415	26,545	581,936	5,001
150,998	3,881,661	3,062,702	282,478	169,374	260,996	1,056,264	13,713
2,240	7,964	318,896	53,811	501	3,357	45	-
83	40	15,677	-	-	-	1,490	-
2,323	8,004	334,573	53,811	501	3,357	1,535	-
-	320,104	6,927	306	48,275	240	3,357	-
3,600	43,033	60,276	-	-	-	140	-
10,942	4,364	430,743	2	-	-	1,452	-
14,542	367,501	497,946	308	48,275	240	4,949	-
138,779	3,522,164	2,899,329	335,981	121,600	264,113	1,052,850	13,713
272	471,460	48,134	25,147	-	-	13,201	2,329
138,507	3,050,704	2,851,195	310,834	121,600	264,113	1,039,649	11,384

Cumulative totals, January - June, 1960

495,191	18,034,325	17,049,148	1,877,813	291,460	472,075	3,001,618	50,155
156,763	22,757	81,243	29,186	777,161	1,073,277	101,831	6,245
651,954	18,057,082	17,130,391	1,906,999	1,068,621	1,545,352	3,103,449	56,400
32,824	6,959,541	749,923	21,832	17,657	-	3,242,921	22,200
219,569	119,924	312,626	-	28,805	146,996	278,048	-
252,393	7,079,465	1,062,549	21,832	46,462	146,996	3,520,969	22,200
904,347	25,136,547	18,192,940	1,928,831	1,115,083	1,692,348	6,624,418	78,600
13,763	46,470	2,876,595	384,767	3,489	13,940	2,055	-
504	308	103,721	-	-	-	59,331	-
14,267	46,778	2,980,316	384,767	3,489	13,940	61,386	-
-	2,882,849	87,618	1,905	306,245	3,640	13,940	-
21,840	252,359	360,462	-	-	-	747	-
68,011	25,599	1,964,538	17	-	-	7,354	-
89,851	3,160,807	2,412,618	1,922	306,245	3,640	22,041	-
828,763	22,022,518	18,760,638	2,311,676	812,327	1,702,648	6,663,763	78,600
1,252	3,220,318	328,829	265,420	-	-	82,912	12,211
827,511	18,802,200	18,431,809	2,046,256	812,327	1,702,648	6,580,851	66,389
133,132	3,485,404	2,818,964	266,778	158,983	231,131	948,512	13,417
2,377	4,748	424,253	49,561	535	1,879	1,081	-
13,906	448,937	420,650	198	48,827	372	2,965	-
121,603	3,041,215	2,822,567	316,141	110,691	232,638	946,628	13,417
251	384,928	33,935	19,726	-	-	2,845	2,534
121,352	2,656,287	2,788,632	296,415	110,691	232,638	943,783	10,883
803,669	21,843,770	16,590,586	1,820,253	1,032,640	1,511,728	6,127,394	75,031
12,493	49,990	2,924,578	309,490	4,104	14,073	8,579	-
71,874	2,927,231	2,046,737	1,504	296,650	4,236	20,466	-
744,288	18,966,529	17,468,427	2,128,239	740,094	1,521,565	6,115,507	75,031
1,088	2,670,108	281,646	200,666	-	-	49,091	12,279
743,200	16,296,421	17,186,781	1,927,573	740,094	1,521,565	6,066,416	62,752



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Electric Energy Made Available

January - June, 1960

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 .....	9,893,665	22,441	404,270*	9,511,836*	8,828,257*	319,150	306,833*
February .....	9,440,925	13,895	348,719*	9,106,101*	8,416,011*	325,548	314,004*
March .....	10,068,585	61,292	408,548*	9,721,329*	8,965,823*	324,793	313,591*
April .....	9,411,820	23,442	448,365*	8,986,897*	8,293,934*	313,727	299,563*
May .....	9,367,828	25,504	536,474	8,856,858	8,278,477	302,188	285,705
June .....	9,132,588	17,290	554,552	8,595,326	8,028,866	304,420	286,511
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							
Total .....							

Net generation, 1949-1960  
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	n.a.	n.a.	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	1,702,865	18,858,773	90,248,811
1958 .....	70,838,966	4,690,734	75,529,700	19,409,459	1,804,558	21,214,017	96,743,717
1959 Total .....	77,251,848	5,286,315	82,538,163	19,264,444	2,040,422	21,304,866	103,843,029
January .....	6,411,494	612,033	7,023,527	1,573,003	179,623	1,752,626	8,776,153
February .....	5,916,609	543,236	6,459,845	1,462,624	174,124	1,636,748	8,096,593
March .....	6,511,897	486,023	6,997,920	1,634,633	180,840	1,815,473	8,813,393
April .....	6,503,041	378,847	6,881,888	1,565,435	162,985	1,728,420	8,610,308
May .....	6,610,516	378,153	6,988,669	1,586,097	163,564	1,749,661	8,738,330
June .....	6,196,139	335,475	6,531,614	1,594,357	163,875	1,758,232	8,289,846
July .....	6,003,112	340,624	6,343,736	1,594,731	146,432	1,741,163	8,084,899
August .....	5,969,303	394,870	6,364,173	1,583,122	160,341	1,743,463	8,107,636
September .....	6,083,521	432,257	6,515,778	1,535,278	168,096	1,703,374	8,219,152
October .....	6,676,139	481,073	7,157,212	1,685,120	189,833	1,874,953	9,032,165
November .....	7,032,810	450,436	7,483,246	1,666,188	176,444	1,842,632	9,325,878
December .....	7,337,267	453,288	7,790,555	1,783,856	174,265	1,958,121	9,748,676
1960							
January .....	7,321,713	505,605	7,827,318	1,875,005	191,342	2,066,347	9,893,665
February .....	6,933,208	466,596	7,399,804	1,856,992	184,129	2,041,121	9,440,925
March .....	7,291,110	527,259	7,818,369	2,028,749	221,467	2,250,216	10,068,585
April .....	6,884,069	412,595	7,296,664	1,929,442	185,714	2,115,156	9,411,820
May .....	6,987,146	403,964	7,391,110	1,778,286	198,432	1,976,718	9,367,828
June .....	6,778,899	383,823	7,162,722	1,778,272	191,594	1,969,866	9,132,588
July .....							
August .....							
September .....							
October .....							
November .....							
December .....							

\* Revised.