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CANADA

DEPARTMENT OF TRADE AND COMMERCE

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TRANSPORTATION & PUBLIC UTILITIES BRANCH

CENSUS OF INDUSTRY

1942

CENTRAL ELECTRIC STATIONS  
IN CANADA

(Prepared in collaboration with the Dominion  
Water and Power Bureau, Department of  
Mines and Resources)



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CENTRAL ELECTRIC STATION INDUSTRY, 1942.

For the purpose of the census, central electric stations are defined as companies, municipalities, or individuals selling or distributing electric energy, whether generated by themselves or purchased for resale. The stations are divided into two classes according to ownership, viz., (a) commercial, those operated by companies or individuals, and (b) municipal, those operated by municipal, provincial or federal governments. The stations are also divided according to operation into (a) generating, those stations generating power which they sell (many of them also purchase power to supplement their own output), and (b) non-generating, those stations which purchase all the power they sell. In this last class there were 21 stations which were holding generating equipment classed as auxiliary plant equipment. Ten of them purchased all their electric energy and the remaining eleven generated only 10,608,000 kilowatt hours. This explains the rather anomalous item in table 14 showing the output of non-generating stations.

Included in these statistics are those of a few stations engaged primarily in other industries, such as mining, manufacturing of pulp and paper, etc., which sell surplus power. For such plants the statistics pertaining to the central electric station phase of the industry have been segregated as far as possible.

Stations are allowed to file returns for their fiscal years which are not calendar years in all cases. Consequently the output as recorded in this annual report will not coincide with the outputs of the twelve calendar months shown in the monthly reports. The various data, however, in the annual reports are for comparable periods.

The output of central electric stations has increased fairly continuously, the only break in the steady rise being in 1930-32, and again in 1938. In both instances the loss was more than regained in the following year. A feature of the increases in 1941 and 1942 and also, as shown by the monthly reports for 1943, has been the transfer of secondary power to firm power uses. The firm power produced for use in Canada (including line losses) increased over the previous year by 7.5 p.c. in 1939, 16.1 p.c. in 1940 and 23.0 p.c. in 1941. It continued to increase in 1942 and 1943 but not at accelerating ratios, the percentage increases being 18.8 and 9.9 p.c. respectively. Thus the consumption in 1943 was almost double the 1938 consumption. Increased diversion of water at Niagara Falls under agreement with the United States Government was a factor in the increased production in 1941-43, and the majority of the large plants have been producing at their full capacity with the water available since the outbreak of war.

The production of electric energy for secondary use each month is shown below. These sales have been decreasing each year since war industries have been taxing the capacities of the plants to supply firm or primary power.

SECONDARY POWER FOR USE IN CANADA

(Thousands of Kilowatt Hours)

Month	1939	1940	1941	1942
January	607,070	571,502	254,150	129,985
February	605,257	546,239	221,700	126,124
March	619,756	484,192	235,823	148,811
April	527,079	443,481	335,398	189,265
May	578,058	588,189	388,909	263,430
June	526,652	575,863	205,865	239,342
July	488,165	565,869	229,452	199,275
August	505,652	414,632	164,271	184,787
September	590,900	326,025	270,359	181,952
October	684,433	297,519	335,863	136,424
November	685,441	309,146	407,939	158,724
December	615,246	300,526	331,706	155,729
TOTAL	7,033,709	5,423,183	3,381,435	2,113,848

✓ Revised.

The pulp and paper industry was the largest consumer of electric energy in pre-war years, taking 32 p.c. of the total output of the central electric stations in 1938, but because of the restrictions on the use in electric boilers and also because of the expansion of the aluminum industry and other industries using enormous quantities of electricity, both the quantity and the percentage of the total output have been reduced since the outbreak of war.

The following table shows the consumption for the industries using large quantities and the disposal of central electric station output to other industries and other uses.

CONSUMPTION OF ELECTRIC ENERGY, 1942

(Thousands of Kilowatt Hours)

Industry	Power and Light	Other Purposes	Total Central Electric Station Power	P.C. of Total Production	Power Generated by the Industries
Pulp and Paper	4,963,381	1,706,658	6,670,039	17.8	2,025,724
Ferro-Alloys	18,138	1,098,115	1,116,253	3.0	-
Abrasives	14,930	754,876	769,806	2.1	-
Electro-Chemical	307,840	1,852,295	2,160,135	5.9	96,238
Metal Smelting and Refining	218,296	7,433,423	7,651,719	20.4	9,827
Steel Furnaces	81,374	215,562	296,936	0.8	-
TOTAL	5,603,959	13,060,929	18,664,888	50.0	2,151,769
Other Industries			8,446,954	22.7	
Domestic Service (Residential)			2,716,895	7.5	
Commercial Lighting			1,312,535	3.5	
Street Lighting			199,217	0.5	
Free Service			70,411	0.2	
Exports to U. S. A.			2,453,759	6.5	
Losses			3,490,540	9.3	
TOTAL OUTPUT OF CENTRAL ELECTRIC STATIONS			37,355,179	100.0	

Electricity is exported from Canada only by licence granted by the Electricity and Gas Inspection Services of the Department of Trade and Commerce, and the same branch of the Department has jurisdiction over the export duty which has been imposed since April 1, 1925. During the calendar year ended Dec. 31, 1943, the export duty amounted to \$617,913. The rate is three one-hundredths of one cent per kilowatt hour on electric energy exported.

Below is a table showing the quantities of power produced for export for the calendar year 1942, also the amounts exported, the differences between the two quantities being the line losses. The data for this table were compiled from the annual reports of the Director of the Electricity and Gas Inspection Services.

KILOWATT HOURS PRODUCED FOR EXPORT AND EXPORTED TO THE UNITED STATES

(Calendar Year 1942)

Company	Produced for Export	Exported
	Kw. h.	Kw. h.
Hydro Electric Power Commission of Ontario .....	398,272,000	393,852,800
" " " " " (surplus)- Niagara	741,502,900	729,150,111
" " " " " - Cornwall	325,678,950	283,214,160
Cedar Rapids Manufacturing and Power Co., Ltd. .....	685,711,566	653,517,256
Canadian Niagara Power Co., Ltd. .....	332,305,442	318,856,519
" " " " " (Surplus) .....	6,425,600	6,425,500
Ontario and Minnesota Power Co., Ltd. .....	35,282,000	35,282,000
Maine and New Brunswick Electric Power Co. .....	26,354,485	25,562,579
British Columbia Electric Railway Co., Ltd. .....	210,518	185,150
Northport Power and Light Co. .....	275,024	275,024
Southern Canada Power Company .....	1,262,694	1,262,694
Canadian Cottons, Ltd. .....	550,800	550,800
Northern British Columbia Power Co. .....	22,400	22,510
Fraser Companies, Ltd. .....	4,537,700	4,258,500
Detroit and Windsor Subway Company .....	299,800	299,800
Manitoba Power Commission .....	1,050,200	1,050,200
TOTAL .....	2,559,518,059	2,455,758,985

Of the total output of 37,355,179,000 kilowatt hours, 36,582,955,000 kilowatt hours, or almost 98 p.c., was produced by water power, whereas only 714,811,000 kilowatt hours were produced by plants using only thermal engines and 57,415,000 kilowatt hours were produced by auxiliary equipment in hydraulic plants and in non-generating plants.

Total hydraulic installations in all industries in Canada at the close of 1942, including active and inactive plants, as compiled by the Dominion Water and Power Bureau was 9,225,838 horse power. The available and developed water power in each province is shown below.

POTENTIAL AND DEVELOPED WATER POWER IN CANADA

Province (1)	Available 24 hour Power at 80% Efficiency		Turbine Installation December 31	
	At Ordinary Minimum Flow (2)	At Ordinary Six Months Flow (3)	1943 (4)	1942 (5)
	H.P.	H.P.	H.P.	H.P.
Prince Edward Island	3,000	5,300	2,617	2,617
Nova Scotia .....	20,800	128,300	133,384	143,717
New Brunswick .....	68,600	169,100	133,347	133,347
Quebec .....	8,459,000	13,064,000	5,847,322	4,839,543
Ontario .....	5,330,000	6,940,000	2,673,443	2,684,395
Manitoba .....	3,509,000	5,344,500	422,825	420,925
Saskatchewan .....	542,000	1,082,000	90,835	90,835
Alberta .....	390,000	1,049,500	94,997	94,997
British Columbia ...	7,023,000	10,998,000	796,024	792,563
Yukon and Northwest Territories	294,000	731,000	19,719	22,899
CANADA .....	25,459,400	39,511,700	10,214,513	9,225,838

The figures in columns 2 and 3 are based only upon rapids, falls and power sites of which the actual drop or head possible of concentration is definitely known or reasonably well established. Many water-powers of greater or less capacity from coast to coast have not yet been recorded which will increase the totals. With the construction of storage basins and other regulating works these potential power figures will be further increased. It is common practice, and feasible in most developments, to install equipment with capacity considerably greater than the theoretical continuous power of the water fall and on this basis it is estimated that the maximum installation capacity of the recorded water-powers of Canada is 51,550,000 horse power.

TABLE 1 - COMPARATIVE SUMMARY, 1933-1942

During the year there was an increase of 7 hydraulic plants and 2 fuel or thermal plants. Capital employed increased by \$106,431,347, which includes some expenditures on uncompleted plant. This is by far the largest increase in any year and brings the total increase between 1933 and 1942 to \$361,359,743 or 26 per cent. During this same period the output increased by 116 per cent and the revenue by \$86,381,987 or 74 per cent, whereas the generator capacity increased only 32 per cent.

TABLE 2 - DOMESTIC SERVICE, 1933-1942

This table shows the number of customers, the consumption, revenue, and averages computed from these for domestic service including farm service for 1942 back to 1933. In all provinces the number of customers increased during this period, the percentages ranging from 20 per cent in Manitoba to 56 per cent in New Brunswick. The rate of consumption also increased in all provinces, Nova Scotia leading here with an increase of 138 per cent. All of the provinces showed increased revenues from domestic service. The average annual consumption per customer varied widely, Manitoba leading with an average in 1942 of 4,062 kw. hrs. per customer and New Brunswick showing the smallest consumption at 636 kw. hrs. There have been relatively small changes in the average annual bills in each province even where the consumptions have shown fairly large increases and the bills for Nova Scotia, New Brunswick, Ontario and British Columbia have been remarkably close together throughout these ten years despite the wide variations in unit costs. Domestic services are further discussed under Table 5 and at the end of this report.

TABLE 3 - POWER PLANTS

The generating stations are the individual power plants of the central electric stations. Each building housing power machinery is counted as a generating station. The commercial organizations are companies and individuals selling electric energy and the municipalities include urban and rural municipalities, provincial commissions, etc., selling electric energy. Those generating power operate from one to several power plants each, the largest system being the Ontario Hydro Electric Power Commission which operates 51 hydraulic plants and owns one steam auxiliary plant. The auxiliary plants are thermal power equipment belonging to hydraulic systems or non-generating systems and are not included above as generating stations.

TABLE 4 - CAPITAL

The capital employed in the industry is reported under three heads, viz., generation, transmission and distribution, and general. "Generation" includes investments in power houses and sites, dams, penstocks, flumes, storage and regulating structures, surge tanks, storage basins, etc., and equipment in power houses, except step-up transformers or other transmission equipment. "Transmission and distribution" includes all transmission and distribution towers, poles, wires, cables and conduits and right-of-way, receiving stations and substations and sites, switchboards and step-up transformers in these and in power houses, step-down transformers, meters, etc. "General" includes investments in office buildings, sites and fixtures, materials and supplies on hand, cash, trading and operating accounts and bills receivable. The total represents the capital employed in the industry. The capital is the total, as at December 31, or end of fiscal years, of each station operating and does not include any investments by new organizations not yet operating, but does include expenditures by organizations operating plants in which provisions have been made for future installations of equipment. The averages of total capital per unit of power are more indicative of different classes of stations and service given than costs of similar installations. The same also applies to generation capital per unit of power, only to a lesser degree.

TABLE 5 - REVENUES

Central electric stations are required to make a division of customers, consumption and revenue under the following headings: (1) farm service, (2) domestic service, which includes lighting and all other uses in residences, (3) commercial light, (4) power, small, 50 kw. and under, (5) power, large, over 50 kw., (6) sales to distributing companies, and (7) street lighting, also the quantity of electricity supplied without charge to public buildings, etc. The revenue is the gross revenue less cost of power, or is the revenue received from the consumers, except where power is purchased by a station in one province from a station in another province the cost of such power is not deducted in computing provincial data, but is deducted in computing the Dominion totals. In reports prior to 1932 this exception was not made and consequently the revenues of Ontario, New Brunswick, and Alberta, which purchased power from other provinces, were lower than they should have been.

The average revenues per kilowatt hour sold are affected by many factors and are not always indicative of the relative costs for similar services. The averages for domestic services and for commercial lighting are for more or less identical services, but even here the use of electric stoves, flat rate water heaters, the source of supply, the firm power load, the market for off-peak and surplus power, and the cost of generation, transmission, and distribution all affect the rates. Domestic service data are discussed further at the end of the report. As might be expected, Quebec stations with their enormous sales to pulp and paper mills, aluminum plants, wholesale to Ontario, etc., showed a smaller proportion of revenue from domestic service than any other stations, although greater in dollars than those in other provinces except Ontario. In computing the average revenue per kilowatt hour for all purposes all line losses were included, but, for domestic service and farm services, for commercial light, etc., line losses were not included,

the consumptions for these services being measured at the consumers' meters. The average revenue per kilowatt hour consumed for each province is the revenue received from ultimate consumers within each province plus revenue received for power exported from the province, divided by the total kilowatt hours so sold including all line losses. The average revenues per kilowatt hour for domestic service are affected by the consumption per customer and by the relative quantities used for lighting, cooking and water heaters; often different rates apply to these different services. In most municipalities when the consumption increases the average cost per kilowatt hour to the consumer decreases. Also where flat rates apply to water heaters the average cost per kilowatt hour for all domestic services is reduced and as the number of flat rate heaters is increased the average for the municipality or province is decreased if not offset by increases in rates elsewhere. The average revenue of 1.87 cents per kilowatt hour for all domestic service compares with an average of 3.67 cents or 3.57 cents including farm services in the United States. The average revenues per horse power and per kilovolt ampere are affected by the classes of service and their relative importance in each province. Quebec stations sell large quantities of power to Ontario distributors. The Quebec stations are credited with the wholesale revenue and the Ontario stations with the retail revenue from this power. In computing the averages for Ontario stations the equipment capacities shown in tables 12 and 13 were increased one horse power for each 4,576 kilowatt hours imported from Quebec stations and one kilovolt ampere for each 6,136 kilowatt hours imported. This is only an estimate of the equipment and was based on the Ontario Hydro Electric Power Commission's contracts with Quebec companies which call for 88 kilowatt hours per week for each horse power purchased. It is quite probable this output is a little too high for all the power imported from Quebec, and consequently the divisors are too small and the average revenues are too high. It is not likely the errors are large and the adjusted averages are more nearly comparable with the averages for the other provinces than the unadjusted averages as shown in reports previous to 1936. The imports into New Brunswick and Alberta are relatively so small that their effects on the averages would be negligible.

The federal sales tax of 8 p.c. of domestic service bills has been treated by practically all central electric stations as a tax on the consumer and was not included in either revenues or expenses. The Act placed the tax on the producer or importer, but a subsequent Order in Council allowed the producer or importer to increase the charge to the consumer by the amount of the tax irrespective of any agreements, charters, etc. Also provincial and municipal taxes on domestic bills, where imposed, have not been included as either revenue or expenses.

TABLE 6 - EXPENSES

These data include only the four items, (1) salaries and wages, (2) fuel, (3) taxes, and (4) cost of power. The last is an inter-industry expense and could very well be omitted from the expenses of the industry as a whole. It shows, however, the extent of purchases of power by the different groups of stations. Cost of power includes the cost to municipalities receiving their supply from provincial commissions as well as interchange of power between generating stations and between generating and other non-generating stations. As explained above, the sales taxes on domestic bills have not been included in the taxes shown in this table.

TABLE 7 - EMPLOYEES

There was little change in the number of employees during the year. Quebec stations showed a small increase and Ontario stations a small decrease with minor changes in the other provinces. The net result was a decrease of 16 employees. The following table analyses the hours of

work of wage earners in the industry. Over half of the employees worked a 48 hour week and 84.5 per cent worked 48 hours or less per week. Although there was a large decrease in the number of employees working 48 hours per week, the average hours for all employees showed very little change during the year.

NUMBER OF WAGE EARNERS IN MONTH OF HIGHEST EMPLOYMENT WHOSE REGULAR HOURS PER WEEK WERE:

Hours per Wk.	40 or less	41-43	44	45-47	48	49-50	51-53	54	55	56-59	60 & over	Total
P.E.I.	-	-	-	-	-	29	-	-	-	1	5	35
N. S.	180	12	134	83	220	42	29	31	11	107	79	928
N. B.	29	8	2	19	138	7	7	47	-	24	5	286
Quebec	278	5	18	-	2,887	90	33	458	3	159	53	3,984
Ontario	497	34	559	235	3,273	212	28	161	34	182	74	5,289
Manitoba	12	1	137	9	441	15	7	-	-	-	3	625
Sask.	42	5	62	43	207	2	13	32	-	3	23	430
Alberta	86	5	199	4	151	6	-	-	-	-	-	449
B.C. & Yukon	245	1	151	5	795	5	5	1	-	5	11	1,224
CANADA	1,369	67	1,262	398	8,112	408	122	730	48	481	253	13,250
P.C. of Total	10.3	.5	9.5	3.0	61.2	3.1	.9	5.5	.4	3.7	1.9	100.0

TABLE 8 - CUSTOMERS

As explained under table 4, stations are asked for a division of customers into seven classes, but due to the inability of many stations to make complete segregations between domestic service and farm customers these two have been combined. Also some stations group all their rural customers and classify them as farm. The total of these farm customers reported in 1942 was 112,930 or 6.3 per cent of the total of farm and domestic customers. Ontario stations reported 66,076, Quebec stations reported 28,419, and stations in the other provinces reported 18,435 farm customers.

The average number of domestic customers per 100 population has increased from 8.86 in 1920 to 15.48 in 1942, or by 75 per cent during this period.

TABLE 9 - POLE LINE MILEAGE

Transmission and distribution lines are combined in this table and a division has been made showing the mileage of steel towers and poles, wooden poles, concrete poles, and submarine and underground cables. The last includes systems in cities and lines laid in trenches along the roadside serving rural customers. The steel towers and steel poles are used almost exclusively for high voltage transmission lines and only Quebec, Ontario and Manitoba have extensive mileages.

TABLES 10-11-12-13 - EQUIPMENT

The equipment of the power houses has been divided into two classes, main plant and auxiliary, or standby equipment. The auxiliary plant equipment includes all steam engines and turbines and internal combustion engines and dynamos driven by them in hydro-electric stations and all the equipment in non-generating stations. All other equipment is classed as main plant equipment and includes water wheels and turbines and generators driven by them in hydro-electric stations and all equipment in plants using thermal equipment only. It is quite possible that some of the fuel stations have equipment held as standby equipment for use only in emergencies or for occasional peaks and also that some hydraulic stations have hydraulic equipment similarly held, but it is all classified as main plant equipment. Although a few of the hydro-electric stations use their steam equipment during periods of low water and during periods of heavy demand, the greater part of it is held strictly in reserve for emergencies, only 46,807,000 kilowatt hours being generated during the year by this auxiliary equipment.

TABLE 14 - ELECTRIC ENERGY GENERATED

The electric energy generated is the output at the power plants less power used for the operation of the plants, and consequently includes all transformer and line losses entailed in delivering power to the consumers. The Kv.A. capacities shown were the rated dynamo capacities at the close of the year of both main and auxiliary plant of generating

stations, but the ratios of output to maximum capacity were computed from the kilowatt hours generated and the rated capacities of dynamos multiplied by the number of hours during the year they were available. Thus, the maximum capacity of a 1,000 Kv.A. dynamo for a year would be 8,760,000 kilowatt hours, but, if installed on November 30, its maximum capacity would be only 744,000 kilowatt hours at unity power factor. Consequently, the ratios are directly comparable for each year irrespective of when large additions are made to the generating capacity of the industry and the rising and falling of the ratios indicate the relative position of the supply to the demand on a kilowatt hour basis. This ratio is affected by other factors; one is the relationship of installed capacity to water available for hydraulic plants. In some cases this changes from month to month and from year to year and another factor is the production and sale of secondary power. A market for secondary power makes possible a greater production of kilowatt hours per unit of capacity than a market of firm power for the same installation. A few stations have found a market for their off-peak and surplus power by selling it for use in electric boilers and this class of sale grew quite rapidly especially up to 1937. Since the outbreak of the war the supply of surplus power has been greatly reduced and with war industries working twenty four hours per day the supply of off-peak power has also been reduced so that sales of secondary power have shown a steady decrease.

TABLE 15 - FUEL

Fuel used is almost entirely local coal, oil and gas, and Saskatchewan and Nova Scotia are the only provinces using any substantial quantities of fuel to develop electric energy. Nova Scotia has several large hydro-electric developments, but Saskatchewan has only one which is on the Manitoba boundary and is included with Manitoba stations in these statistics. "Other fuel" is composed of steam purchased by a Nova Scotia station and sawdust and "hog" fuel in British Columbia.

DOMESTIC SERVICE

In the following table data on domestics are brought together and analysed. As might be expected the provinces with relatively high percentages of rural populations, Prince Edward Island, Saskatchewan and Alberta, show the lowest number of customers per 100 population. The average cost per kilowatt hour is greatly affected by the nature of

the use. Manitoba's low unit cost and high average consumption are influenced by flat rate water heaters in Winnipeg which induce high consumption per customer. Also where hydro-electric power is plentiful the rates are generally low and the average consumption high. The very low percentage of total power used by domestic customers in Quebec is affected by large exports to Ontario and large consumption by pulp and paper, aluminum and other electric metallurgical plants.

Domestic customers in Ontario used almost 60 p.c. of the total power used by all domestic customers in Canada but the population of this province was almost a third of the total for the Dominion.

DOMESTIC SERVICE, 1942

	Number of Customers		Average Bill for Year	Average per Kilowatt Hour	Average Annual Consumption		Consumption by Domestic Service	
	Total	Per 100 Population			Per Customer	Per Capita	Per cent of total Provincial Consumption	Per cent of Dominion Dom. Service Consumption
P. E. Island	5,606	5.84	35.04	5.49	639	37	27.3	.1
Nova Scotia	72,592	12.37	29.85	4.18	715	88	10.0	1.9
New Brunswick	54,529	11.73	28.67	4.51	636	75	7.4	1.3
Quebec	488,014	14.40	22.10	2.93	754	109	2.3	13.6
Ontario	787,721	20.59	28.95	1.40	2,061	425	12.6	59.8
Manitoba	87,615	11.87	40.75	1.00	4,062	482	17.1	13.1
Saskatchewan	54,132	5.97	40.16	4.64	866	52	22.1	1.7
Alberta	74,814	9.29	31.99	4.87	656	81	11.5	1.8
B.C. & Yukon	178,685	21.22	28.26	2.76	1,024	217	7.0	6.7
CANADA	1,803,708	15.48	28.11	1.87	1,506	233	7.8	100.00

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TABLE 1 - COMPARATIVE SUMMARY, 1933-1942

PRINCIPAL DATA BY CLASS OF STATION	1942	1941	1940	1939	1938	
<u>ELECTRIC POWER PLANTS</u>						
Total	616	607	602	611	599	
Hydraulic	520	515	515	515	515	
Fuel	296	294	289	298	278	
Commercial	428	424	421	427	406	
Municipal	188	185	181	184	185	
<u>CAPITAL</u>						
Total	\$1,747,891,798	\$1,641,460,451	\$1,615,438,140	\$1,584,605,211	\$1,548,418,592	
Commercial	\$1,127,978,532	\$1,054,714,025	\$1,049,506,904	\$1,014,704,665	\$1,002,501,486	
Municipal	\$619,915,466	\$582,746,426	\$565,951,256	\$549,888,546	\$542,525,107	
Generating	\$1,559,495,588	\$1,458,900,540	\$1,440,026,870	\$1,398,838,921	\$1,377,120,289	
Non-generating	\$188,596,410	\$181,559,911	\$175,411,270	\$167,784,290	\$168,298,505	
<u>REVENUE (1)</u>						
Total	\$203,855,365	\$186,018,040	\$168,228,775	\$151,880,989	\$144,531,627	
Commercial	\$124,611,715	\$111,851,778	\$99,887,052	\$92,535,049	\$87,697,078	
Municipal	\$79,223,652	\$74,186,282	\$66,541,721	\$59,545,920	\$56,834,549	
Generating	\$173,918,640	\$157,283,409	\$139,675,592	\$127,485,222	\$120,784,959	
Non-generating	\$29,918,725	\$28,734,651	\$23,555,380	\$24,597,747	\$25,548,688	
<u>EXPENSES (2)</u>						
Total	\$132,581,418	\$117,758,977	\$105,044,158	\$91,982,372	\$87,584,340	
Commercial	\$71,135,382	\$60,561,621	\$51,890,160	\$42,471,554	\$41,067,998	
Municipal	\$61,448,056	\$57,197,556	\$55,058,998	\$49,510,888	\$46,236,542	
Generating	\$60,171,586	\$69,148,515	\$60,752,761	\$51,570,157	\$48,948,422	
Non-generating	\$52,408,852	\$48,610,484	\$44,291,587	\$40,412,255	\$38,417,918	
<u>POLE LINE MILEAGE</u>						
Total	77,939	77,253	76,050	72,152	66,977	
Commercial	51,847	51,442	50,933	50,288	29,555	
Municipal	46,062	45,811	44,117	41,844	37,622	
Generating	61,927	61,495	59,676	57,084	52,575	
Non-generating	15,982	15,758	15,574	15,048	14,804	
<u>CUSTOMERS</u>						
Total	2,125,504	2,081,270	2,006,508	1,941,865	1,875,621	
Domestic service (3)	1,805,708	1,755,917	1,686,588	1,625,672	1,581,394	
Commercial light	264,706	288,977	265,175	282,590	259,803	
Power (small)	44,813	44,071	45,158	45,896	41,999	
Power (large)	9,673	9,934	8,490	9,267	10,152	
Street lighting	2,404	2,571	2,517	2,238	2,183	
Commercial stations	985,019	954,906	926,095	889,418	859,508	
Municipal stations	1,140,245	1,126,564	1,088,415	1,052,245	1,014,115	
Generating stations	1,103,559	1,079,255	1,052,455	986,067	954,797	
Non-generating stations	1,021,765	1,002,037	982,075	945,596	918,824	
<u>ELECTRIC ENERGY GENERATED</u>						
Total Kilowatt Hours (thousands)	57,355,179	55,517,865	50,109,283	48,358,050	46,154,160	
Commercial	28,177,587	24,785,715	22,287,270	21,290,950	19,488,525	
Municipal	3,177,792	3,525,948	7,822,015	7,047,100	6,885,637	
Exports to the United States (4) (thousands) Kw.h.	2,455,739	2,354,229	2,132,129	1,906,756	1,822,103	
Imports from the United States (4) (thousands) Kw.h.	594	670	655	686	624	
<u>EQUIPMENT IN GENERATING STATIONS (MAIN PLANT ONLY)</u>						
Total Primary Power	H.P.	8,615,696	8,157,586	7,955,887	7,607,122	7,476,976
Total in commercial stations	H.P.	6,269,586	5,917,180	5,708,664	5,585,852	5,500,183
Total in municipal stations	H.P.	2,344,510	2,240,425	2,227,207	2,221,490	2,178,793
Total Secondary Power	Kv.A.	7,256,927	6,861,785	6,861,211	6,435,416	6,527,088
Total in commercial stations	Kv.A.	5,386,769	5,054,727	4,908,288	4,654,745	4,566,275
Total in municipal stations	Kv.A.	1,890,158	1,797,058	1,784,945	1,780,871	1,741,595
<u>AUXILIARY PLANT EQUIPMENT</u>						
Primary power	H.P.	194,966	194,651	194,814	194,159	195,628
Secondary power	Kv.A.	168,258	166,021	168,587	165,785	166,860

(1) Cost of power interchanged between stations excluded from revenue of purchasing stations. (See page 7).

(2) Includes wages, cost of power, fuel and taxes, but not other expenses.

(3) Farm service is included with domestic service.

(4) By central electric stations only. (See page 2).

TABLEAU 1 - SOMMAIRE COMPARATIF, 1933-1942

1937	1936	1935	1934	1933	DONNEES PRINCIPALES PAR CLASSES D'USINES
					<u>USINES ELECTRIQUES</u>
568 314 254 389 179	561 312 249 390 171	566 316 250 397 169	573 314 259 402 171	575 314 261 403 172	Total Hydrauliques A combustible Commerciales Municipales
1,497,530,251 979,950,159 517,580,072 1,537,399,695 159,930,536	1,485,116,649 957,466,865 525,649,784 1,526,820,105 156,296,546	1,459,821,168 962,263,142 497,558,028 1,307,710,175 152,110,995	1,430,852,166 956,382,458 474,469,750 1,281,048,308 149,803,863	1,386,532,055 915,946,953 472,585,102 1,240,169,785 146,362,270	<u>CAPITAL</u> Total Commerciales Municipales Génératrices Non-génératrices
143,546,643 85,282,008 58,262,625 120,465,135 23,081,508	135,865,173 78,882,504 56,982,669 112,776,015 23,089,158	127,177,954 78,341,554 47,836,400 105,638,584 21,539,370	124,463,615 77,309,001 47,154,612 104,089,041 20,374,572	117,532,081 73,082,078 44,450,005 98,735,084 16,796,997	<u>REVENUS (1)</u> Total Commerciales Municipales Génératrices Non-génératrices
84,185,082 41,132,951 43,052,151 46,114,640 58,070,442	77,939,050 56,530,527 41,408,523 41,590,019 36,549,071	79,625,134 55,856,054 45,788,080 45,904,771 35,720,363	75,948,821 51,778,257 44,170,584 40,911,118 35,037,705	75,051,651 29,169,633 45,882,018 38,608,455 34,443,196	<u>DEPENSES (2)</u> Total Commerciales Municipales Génératrices Non-génératrices
63,025 28,532 34,703 48,866 14,169	59,436 27,271 32,185 45,099 14,337	57,602 26,520 31,082 43,572 14,280	56,214 26,476 29,738 42,537 13,677	56,570 25,129 31,441 43,625 12,945	<u>LIGNES SUR POTEAUX</u> Total Commerciales Municipales Génératrices Non-génératrices
1,805,985 1,500,128 252,505 41,415 10,066 2,061 853,711 972,284 916,648 889,547	1,740,793 1,443,059 245,144 40,742 9,840 2,008 802,676 938,117 866,407 874,586	1,694,705 1,401,985 240,468 40,292 9,989 1,971 779,400 915,305 837,278 857,425	1,660,079 1,379,155 229,187 41,429 8,325 1,985 760,462 899,617 819,419 840,660	1,666,882 1,371,806 244,285 40,541 8,180 1,992 776,581 890,301 845,324 823,558	<u>ABONNES</u> Total Service domestique (3) Eclairage commercial Force motrice (petite) Force motrice (grosse) Eclairage des rues Usines commerciales Usines municipales Usines génératrices Usines non-génératrices
27,687,645 20,515,627 7,572,018	25,402,282 18,515,225 6,887,057	23,283,023 17,767,949 5,515,084	21,197,124 16,060,883 5,136,241	17,558,980 15,665,974 5,675,016	<u>ENERGIE ELECTRIQUE GENEREE</u> Total Kw. heures générées (milliers) Commerciale Municipale
1,843,227 1,517	1,573,980 765	1,359,021 656	1,243,079 842	983,561 608	Exportations d'électricité aux Etats-Unis (4) ....(milliers) Kw.h. Importations d'électricité des Etats-Unis (4) ....(milliers) Kw.h.
7,542,085 5,205,529 2,158,556 6,206,485 4,496,445 1,710,022	7,119,272 5,012,968 2,106,304 6,025,999 4,540,989 1,685,150	7,104,142 5,158,200 1,985,942 5,883,984 4,517,925 1,576,161	6,854,161 4,961,659 1,892,522 5,898,955 4,179,556 1,520,419	6,616,006 4,707,096 1,908,910 5,491,685 3,956,475 1,555,210	<u>MACHINERIE DANS LES USINES GENERATRICES</u> (Usines principales seulement) Total force motrice primaire ..... H.P. Total dans les usines commerciales ..... H.P. Total dans les usines municipales ..... H.P. Total force motrice secondaire ..... Kv.A. Total dans les usines commerciales ..... Kv.A. Total dans les usines municipales ..... Kv.A.
197,550 167,859	200,621 172,527	206,851 178,890	207,431 177,244	195,569 164,732	<u>OUTILLAGE D'USINES AUXILIAIRES</u> Force motrice primaire ..... H.P. Force motrice secondaire ..... Kv.A.

(1) Le coût de l'énergie échangée entre stations est exclu du revenu des stations en faisant l'achat. (Voir p. 7.)

(2) Incluent gages, coût de l'énergie, combustible et taxes, mais non les autres dépenses.

(5) L'éclairage des fermes est inclus dans l'éclairage domestique.

(4) Par usines centrales électriques seulement. (Voir p. 2).

TABLE 2 - DOMESTIC SERVICE, 1933 - 1942

	Year	Number of Customers	Kilowatt Hours Consumed	Revenue	Kw. Hours per Customer	Average Annual Bill	Revenue per Kilowatt Hour
		Annee	Nombre d'usagers		Kilowatt heures consommées	Recettes	
			(000)	\$	kw. hrs.	\$	\$
<u>CANADA</u>	1933	1,371,806	1,650,535	55,955,823	1,205	26.21	2.18
	1934	1,379,153	1,717,080	56,507,822	1,245	26.47	2.15
	1935	1,401,983	1,769,848	56,773,645	1,282	26.25	2.08
	1936	1,443,059	1,887,116	58,399,102	1,308	26.61	2.03
	1937	1,500,128	2,007,432	59,253,135	1,358	26.17	1.96
	1938	1,559,394	2,172,500	41,302,107	1,593	26.49	1.90
	1939	1,625,672	2,310,891	43,793,482	1,423	26.97	1.90
	1940	1,696,388	2,456,572	45,444,357	1,445	27.54	1.91
	1941	1,755,917	2,582,405	48,683,162	1,471	27.75	1.89
	1942	1,803,708	2,716,895	50,706,757	1,506	28.11	1.87
Change (Changement)	1933-1942						
Amount (Volume)		451,902	1,066,500	14,752,984	303	1.90	-.51
Per cent (p.c.)		51.48	64.62	41.03	25.19	7.25	-14.22
<u>PRINCE EDWARD ISLAND</u>	1933	3,970	1,584	135,231	399	34.06	6.54
	1934	4,087	1,605	135,843	592	52.67	8.54
	1935	4,199	1,722	134,740	410	32.08	7.82
	1936	4,379	2,035	145,442	465	35.21	7.15
	1937	4,545	2,252	152,660	491	35.59	6.84
	1938	4,799	2,579	150,994	537	51.46	5.85
	1939	5,067	2,908	163,226	574	52.21	5.81
	1940	5,227	3,076	172,643	588	53.05	5.81
	1941	5,531	3,483	185,090	630	53.10	5.26
	1942	5,806	3,580	196,448	639	55.04	5.49
Change (Changement)	1933-1942						
Amount (Volume)		1,656	1,996	61,215	240	.98	-.505
Per cent (p.c.)		41.21	126.01	45.27	60.15	2.88	-35.71
<u>NOVA SCOTIA</u>	1933	47,124	21,800	1,199,861	465	25.46	5.50
	1934	48,852	23,637	1,257,599	484	25.74	5.32
	1935	52,300	25,957	1,350,652	496	25.44	5.15
	1936	54,763	29,212	1,457,054	535	26.81	4.99
	1937	58,185	31,692	1,555,298	545	26.40	4.84
	1938	58,556	35,307	1,595,086	605	27.24	4.52
	1939	62,054	39,084	1,709,507	630	27.58	4.57
	1940	65,790	43,277	1,877,812	658	28.54	4.34
	1941	69,937	48,357	2,065,057	691	29.50	4.27
	1942	72,592	51,877	2,166,648	715	29.85	4.18
Change (Changement)	1933-1942						
Amount (Volume)		25,468	30,077	966,697	2.52	4.39	-.1.52
Per cent (p.c.)		54.04	187.97	80.56	54.45	17.24	-24.00
<u>NEW BRUNSWICK</u>	1933	54,959	18,740	954,428	536	27.30	5.09
	1934	55,364	19,607	962,212	554	27.21	4.91
	1935	56,602	20,597	994,895	563	27.18	4.85
	1936	58,660	22,049	1,068,038	570	27.63	4.84
	1937	41,604	23,488	1,117,953	565	26.97	4.76
	1938	45,556	25,567	1,235,957	582	28.51	4.86
	1939	46,485	26,989	1,307,772	581	28.15	4.85
	1940	50,881	29,588	1,415,257	580	27.68	4.81
	1941	52,851	31,234	1,435,015	591	27.16	4.59
	1942	54,529	34,896	1,563,554	636	28.67	4.51
Change (Changement)	1933-1942						
Amount (Volume)		19,570	15,956	608,911	100	1.57	-.58
Per cent (p.c.)		55.98	85.14	65.80	18.66	5.02	-11.39
<u>QUEBEC</u>	1933	385,175	240,110	7,795,948	625	20.24	5.25
	1934	378,705	237,522	7,776,391	627	20.53	5.28
	1935	378,388	236,285	7,297,458	598	19.29	5.22
	1936	380,711	241,799	7,722,973	619	19.77	5.19
	1937	407,155	265,405	8,108,946	652	19.92	5.06
	1938	421,178	287,107	8,669,054	682	20.58	5.02
	1939	434,825	511,420	9,167,584	716	21.08	5.94
	1940	451,791	524,032	9,654,398	717	21.32	5.97
	1941	473,547	542,627	10,100,300	724	21.45	5.95
	1942	488,014	568,173	10,785,887	754	22.10	5.95
Change (Changement)	1933-1942						
Amount (Volume)		102,839	128,065	2,985,939	151	1.88	-.52
Per cent (p.c.)		26.70	53.34	38.55	21.05	9.19	-9.85

TABLEAU 2 - SERVICE DOMESTIQUE, 1933 - 1942

	Year	Number of Customers	Kilowatt Hours Consumed	Revenue	Kw. Hours per Customer	Average Annual Bill	Revenue per Kilowatt Hour
	Année	Nombr e d'usagers	Kilowatt heures consommées	Recettes	Consommation moyenne annuelle par usager	Compte moyen de l'année	Moyenne par kilowatt heure
		(000)		\$	kw. hrs.	\$	\$
<u>ONTARIO</u>	1933	598,347	917,649	16,262,707	1,534	27.18	1.77
	1934	605,885	980,978	16,911,849	1,619	27.75	1.71
	1935	618,111	1,023,929	17,171,434	1,657	27.78	1.68
	1936	634,052	1,098,598	17,716,636	1,723	27.94	1.61
	1937	660,262	1,174,358	17,718,464	1,779	26.84	1.51
	1938	691,498	1,245,588	18,456,575	1,859	26.69	1.44
	1939	719,571	1,374,325	19,657,658	1,909	27.31	1.43
	1940	745,796	1,459,233	20,928,097	1,958	28.08	1.45
	1941	772,153	1,546,139	21,980,031	2,002	28.47	1.42
	1942	787,721	1,623,780	22,807,897	2,061	28.95	1.40
Change (Changement) 1933-1942							
Amount (Volume)		189,374	706,131	6,545,190	527	1.77	- .37
Per cent (p.c.)		51.65	76.95	40.25	34.35	6.51	- 20.90
<u>MANITOBA</u>	1933	72,935	275,048	2,743,877	3,771	37.62	1.00
	1934	75,545	282,067	2,782,475	3,835	37.85	0.99
	1935	74,538	289,314	2,914,963	3,861	39.11	1.01
	1936	75,858	296,110	3,029,140	3,903	39.93	1.02
	1937	76,516	303,271	3,122,397	3,963	40.61	1.03
	1938	77,762	311,793	3,223,605	4,010	41.45	1.03
	1939	81,091	320,827	3,311,682	3,956	40.84	1.03
	1940	83,404	330,269	3,425,312	3,960	41.04	1.04
	1941	85,106	343,041	3,472,277	4,031	40.80	1.01
	1942	87,615	355,928	3,570,492	4,062	40.75	1.00
Change (Changement) 1933-1942							
Amount (Volume)		14,680	80,880	826,615	291	5.13	-
Per cent (p.c.)		20.15	29.41	30.13	7.72	8.52	-
<u>SASKATCHEWAN</u>	1933	44,319	56,517	1,775,697	819	40.07	4.89
	1934	44,493	34,906	1,741,371	785	39.14	4.99
	1935	45,451	35,402	1,795,683	779	39.51	5.07
	1936	46,478	36,044	1,851,794	776	39.84	5.14
	1937	46,630	37,254	1,852,503	798	39.73	4.98
	1938	46,060	38,077	1,905,731	815	39.61	4.87
	1939	49,980	41,198	2,004,433	824	40.10	4.87
	1940	51,425	45,406	2,093,205	844	40.70	4.82
	1941	52,695	45,448	2,173,255	862	41.24	4.78
	1942	54,152	46,858	2,173,896	866	40.16	4.84
Change (Changement) 1933-1942							
Amount (Volume)		9,813	10,541	398,199	47	.09	- .25
Per cent (p.c.)		22.14	29.02	22.42	5.74	.22	- 5.11
<u>ALBERTA</u>	1933	57,550	29,668	1,728,351	517	30.15	5.85
	1934	58,375	30,378	1,764,295	520	30.22	5.81
	1935	58,127	31,636	1,714,128	544	29.49	5.42
	1936	58,600	35,481	1,789,422	562	30.02	5.34
	1937	61,121	35,539	1,865,520	578	30.52	5.28
	1938	63,030	38,089	1,983,226	604	31.46	5.21
	1939	68,267	42,210	2,145,095	618	31.42	5.08
	1940	69,597	45,110	2,275,091	650	32.78	5.04
	1941	72,422	47,572	2,393,189	657	33.05	5.03
	1942	74,814	49,089	2,393,073	656	31.99	4.87
Change (Changement) 1933-1942							
Amount (Volume)		17,484	19,421	664,722	139	1.84	- .96
Per cent (p.c.)		30.50	65.46	58.46	26.89	6.10	- 16.47
<u>BRITISH COLUMBIA</u> ..... <u>and YUKON</u> )	1933	127,647	109,479	5,357,638	858	26.50	3.07
	1934	129,837	106,590	5,277,787	821	25.25	3.08
	1935	134,267	115,026	5,419,710	857	25.47	2.97
	1936	138,558	127,788	5,617,605	922	26.11	2.85
	1937	144,130	134,414	5,778,582	953	26.22	2.81
	1938	150,955	147,615	4,086,919	978	27.07	2.77
	1939	156,052	151,950	4,326,747	974	27.73	2.65
	1940	163,277	158,781	4,626,562	972	28.34	2.91
	1941	171,635	174,454	4,880,948	1,016	28.44	2.80
	1942	178,685	182,914	5,049,084	1,024	28.26	2.76
Change (Changement) 1933-1942							
Amount (Volume)		51,058	73,455	1,691,446	166	1.96	- .31
Per cent (p.c.)		59.98	67.08	50.58	19.55	7.45	- 10.10

TABLE 3 - ELECTRIC POWER PLANTS, 1942

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
<u>Total number of generating stations .....</u>	616	9	46	14	99
Per cent of total for Canada .....	100.00	1.46	7.47	2.27	16.07
<u>COMMERCIAL .....</u>	428	7	20	8	82
Hydraulic .....	211	5	12	5	80
Fuel .....	217	2	8	3	2
<u>MUNICIPAL .....</u>	188	2	26	6	17
Hydraulic .....	109	-	19	5	15
Fuel .....	79	2	7	5	2
With water wheels and turbines .....	520	5	51	8	95
With steam engines only .....	26	-	1	1	-
With steam turbines only .....	26	1	7	1	1
With gas or oil engines only .....	259	5	7	5	5
With both steam engines and turbines .....	3	-	-	1	-
With both steam and gas or oil engines .....	2	-	-	-	-
With alternating current dynamos only .....	478	9	46	12	98
With direct current dynamos only .....	155	-	-	1	1
With both alternating and direct current dynamos ...	5	-	-	1	-
<u>COMMERCIAL ORGANIZATIONS .....</u>	X 401	8	20	15	68
Number generating power .....	296	6	12	7	41
Number buying power for redistribution .....	104	2	8	8	27
<u>MUNICIPALITIES .....</u>	X 447	2	25	9	50
Number generating power .....	75	2	8	1	11
Number buying power for redistribution .....	570	-	15	6	19
<u>AUXILIARY PLANTS .....</u>	65	2	9	2	9
To hydraulic stations .....	44	2	5	-	8
To non-generating stations .....	21	-	6	2	1

X - Organizations operating in two or more provinces are shown under provinces, but are included in total as only one organization.

TABLEAU 3 - USINES GENERATRICES, 1942

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
157	25	142	74	70	<u>Nombre d'usines génératrices</u>
22.24	4.06	23.05	12.01	11.37	Pourcentage du total pour le Canada
65	15	107	64	62	<u>COMMERCIALES</u>
58	5	-	5	41	Hydrauliques
5	10	107	59	21	A combustible
74	10	35	10	8	<u>MUNICIPALES</u>
65	2	-	-	5	Hydrauliques
9	8	35	10	3	A combustible
123	7	-	5	46	Avec roues et turbines hydrauliques
8	3	1	7	5	Avec machines à vapeur seulement
-	1	7	5	3	Avec turbines à vapeur seulement
5	13	133	56	16	Avec moteurs à gaz ou à pétrole seulement
-	-	1	1	-	Avec machines et turbines à vapeur à la fois
1	1	-	-	-	Avec machines à vapeur à gaz et à pétrole
135	22	50	59	67	Avec dynamos à courant alternatif seulement
2	2	92	34	3	Avec dynamos à courant direct seulement
-	1	-	1	-	Avec dynamos à courant alternatif et direct
62	17	90	63	57	<u>USINES COMMERCIALES</u>
59	11	88	52	40	Nombre d'usines génératrices
25	6	2	11	17	Nombre d'usines achetant de l'électricité pour la revendre
311	11	27	15	17	<u>MUNICIPALITES</u>
14	6	19	8	6	Nombre d'usines génératrices
297	5	8	7	11	Nombre d'usines achetant de l'électricité pour la revendre
8	6	-	8	21	<u>USINES AUXILIAIRES</u>
5	2	-	8	16	Aux usines hydrauliques
3	4	-	-	5	Aux usines non-génératrices

I - Les compagnies exploitant des usines dans deux ou plusieurs provinces sont inscrites au chapitre des provinces, mais n'apparaissent qu'une fois dans le total.

TABLE 4 - CAPITAL, 1942

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>TOTAL CAPITAL</u> .....	\$ 1,747,891,798	\$ 1,511,688	\$ 41,554,451	\$ 35,704,848	\$ 795,204,189	
Per cent of total for Canada .....	100.00	0.08	2.38	2.04	45.49	
Generation .....	1,056,338,201	767,130	24,135,155	25,417,809	575,153,577	
Transmission and distribution .....	585,475,183	610,297	14,676,657	11,013,583	167,994,228	
General .....	126,080,414	154,261	2,742,639	1,273,678	52,056,584	
<u>TOTAL CAPITAL IN COMMERCIAL STATIONS</u> .....	1,127,976,532	1,252,572	20,742,586	25,206,872	776,117,480	
Generation .....	776,241,186	600,368	9,484,536	18,795,030	582,027,055	
Transmission and distribution .....	272,179,055	547,962	8,855,149	3,709,274	162,805,166	
General .....	79,558,151	104,242	2,405,101	702,568	51,285,259	
Non-generating stations .....	45,927,943	7,000	8,614,992	1,774,707	658,846	
Generating stations .....	1,082,050,589	1,245,572	12,127,594	21,432,165	775,458,834	
Hydraulic stations .....	1,056,001,761	139,180	6,435,144	18,100,342	775,370,584	
Fuel stations .....	26,048,628	1,106,392	5,692,450	3,551,825	88,450	
<u>TOTAL CAPITAL IN MUNICIPAL STATIONS</u> .....	619,913,468	259,116	20,811,865	12,497,976	19,086,709	
Generation .....	260,097,055	166,762	14,650,819	4,622,779	15,128,522	
Transmission and distribution .....	313,294,148	62,355	5,825,508	7,504,089	5,189,062	
General .....	46,522,285	30,019	337,538	571,108	771,525	
Non-generating stations .....	142,468,467	-	1,812,546	1,477,776	2,735,950	
Generating stations .....	477,444,999	259,116	18,899,517	11,020,200	16,550,759	
Hydraulic stations .....	448,082,369	-	17,499,516	2,853,485	15,939,888	
Fuel stations .....	29,352,630	259,116	1,499,801	8,166,715	410,871	
<u>TOTAL CAPITAL IN NON-GENERATING STATIONS</u> .....	188,396,410	7,000	10,427,540	5,252,485	3,394,596	
Generation .....	3,780,855	-	2,009,092	298,644	695,782	
Transmission and distribution .....	152,575,458	7,000	6,579,781	2,390,840	2,478,180	
General .....	32,242,117	-	1,888,687	562,999	220,654	
<u>TOTAL CAPITAL IN GENERATING STATIONS</u> .....	1,559,495,588	1,504,888	51,126,811	52,452,565	791,808,593	
Generation .....	1,052,557,546	767,130	22,126,063	23,119,165	574,457,595	
Transmission and distribution .....	433,099,745	605,297	8,096,896	8,622,525	165,518,048	
General .....	93,838,297	154,261	905,952	710,677	51,835,950	
Hydraulic stations .....	1,504,084,130	139,180	25,954,860	20,955,827	791,510,272	
Fuel stations .....	55,411,258	1,565,508	7,192,251	11,498,558	499,521	
<u>TOTAL CAPITAL</u>						
Average per H.P. of primary power .....	203	164	235	255	179	
Average per H.P. including auxiliary equipment .....	198	161	219	248	177	
Average per Kv.A. of dynamo capacity .....	241	218	281	298	205	
Average per Kv.A. including auxiliary equipment ....	235	216	262	295	205	
<u>GENERATION</u>						
Average cost per H.P. (including auxiliary equipment)						
In all generating stations .....	118	82	125	164	128	
In hydraulic stations .....	120	142	164	177	129	
In fuel stations .....	74	78	65	122	87	

X - Capital invested in one hydraulic station in Saskatchewan included in Manitoba.

TABLEAU 4 - CAPITAL, 1942

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
\$ 610,615,745 34.95	\$ 78,092,027 4.47	\$ 27,585,170 1.57	\$ 33,884,580 1.94	\$ 125,729,500 7.08	<u>TOTAL CAPITAL</u> . Pourcentage du total pour le Canada
280,612,729	41,813,921	18,403,575	15,804,770	61,229,735	Génération
284,511,947	50,800,065	12,278,112	16,280,784	47,307,730	Transmission et distribution
45,691,069	5,478,041	1,705,483	1,808,826	15,191,855	Généralités
107,558,569	58,365,443	12,853,996	26,498,782	121,582,032	<u>TOTAL CAPITAL DANS LES USINES COMMERCIALES</u>
77,670,550	27,908,570	6,057,470	15,179,376	60,538,411	Génération
22,900,915	9,643,930	5,696,198	12,053,566	45,968,855	Transmission et distribution
6,787,084	812,943	1,120,528	1,265,840	15,074,768	Généralités
2,888,680	1,551,876	1,778,558	122,884	28,550,620	Usines non-génératrices
104,469,889	56,813,567	11,075,458	26,375,898	95,051,412	Usines génératrices
104,443,515	36,429,558	-	22,825,910	92,257,928	Usines hydrauliques
26,574	384,009	11,075,458	5,549,988	735,484	Usines à combustible
503,457,176	59,726,584	14,531,174	7,595,598	2,147,268	<u>TOTAL CAPITAL DANS LES USINES MUNICIPALES</u>
202,942,179	13,905,551	7,366,105	2,625,594	691,324	Génération
261,611,012	21,156,135	6,581,914	4,227,218	1,358,875	Transmission et distribution
58,905,985	4,865,088	585,155	542,986	117,069	Généralités
125,328,851	8,506,269	1,493,019	2,219,078	1,094,996	Usines non-génératrices
380,128,345	51,420,515	13,038,155	5,176,520	1,052,272	Usines génératrices
379,930,415	50,901,999	-	-	957,066	Usines hydrauliques
197,950	518,316	13,038,155	5,176,520	95,206	Usines à combustible
126,217,511	9,858,145	5,271,557	2,541,962	29,625,616	<u>TOTAL CAPITAL DANS LES USINES NON-GENERATRICES</u>
165,248	392,216	-	-	219,873	Génération
103,705,508	7,709,177	2,966,470	2,116,455	24,420,047	Transmission et distribution
22,346,755	1,756,752	305,087	225,507	4,985,696	Généralités
484,598,254	68,235,882	24,113,615	31,552,418	94,105,684	<u>TOTAL CAPITAL DANS LES USINES GENERATRICES</u>
280,447,481	41,421,705	18,403,575	15,804,770	61,009,862	Génération
180,806,459	25,090,888	9,511,642	14,184,529	22,887,885	Transmission et distribution
23,344,514	3,721,289	1,398,596	1,583,519	10,206,159	Généralités
484,373,750	67,351,557	-	22,825,910	93,214,994	Usines hydrauliques
224,504	902,325	24,113,615	8,726,508	888,690	Usines à combustible
					<u>TOTAL CAPITAL</u>
261	152	165	199	191	Moyenne par H.P. de la machinerie d'énergie primaire
256	144	165	179	177	Moyenne par H.P. y compris machinerie auxiliaire
324	190	195	242	256	Moyenne par Kv.A. de la capacité des dynamos
522	177	195	216	219	Moyenne par Kv.A. y compris machinerie auxiliaire
					<u>GENERATION</u>
					Moyenne par H.P. y compris machinerie auxiliaire
116	77	80	84	88	Dans les usines génératrices
118	76	-	109	88	Dans les usines hydrauliques
125	124	80	48	58	Dans les usines à combustible

X - Capital engagé dans une usine hydraulique de la Saskatchewan inclus sous Manitoba.

TABLE 5 - REVENUE, 1942 (1)

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<b>REVENUE FROM SALE OF ELECTRIC ENERGY .....</b>	203,835,365	461,129	7,528,652	4,743,871	78,725,594	
For domestic service .....	50,706,757	196,446	2,166,648	1,563,554	10,785,887	
For commercial light .....	29,421,813	118,144	1,428,838	772,892	8,744,252	
For power (small) .....	11,757,158	56,985	824,925	288,804	2,542,062	
For power (large) .....	106,932,805	90,179	5,107,225	1,879,690	55,365,756	
For street lighting .....	5,016,732	19,575	205,000	159,551	1,287,417	
<b>REVENUE OF COMMERCIAL STATIONS .....</b>	124,611,713	556,424	5,181,482	2,618,280	76,582,946	
Non-generating .....	8,856,911	1,457	2,172,563	480,570	150,927	
Generating .....	115,754,802	534,987	5,008,919	2,155,710	76,252,019	
Hydraulic .....	109,478,480	27,295	1,052,546	1,511,712	76,197,448	
Fuel .....	6,276,522	507,694	1,956,373	625,998	34,571	
<b>REVENUE OF MUNICIPAL STATIONS .....</b>	79,225,652	124,705	2,847,150	2,127,591	2,842,448	
Non-generating .....	21,061,814	-	352,195	476,116	627,270	
Generating .....	58,161,838	124,705	1,994,955	1,651,475	1,715,178	
Hydraulic .....	50,546,517	-	1,851,764	85,048	1,622,596	
Fuel .....	7,615,521	124,705	343,191	1,566,427	92,580	
Revenue of non-generating stations .....	29,918,725	1,457	2,524,758	956,686	778,197	
Revenue of generating stations .....	175,916,640	459,692	5,005,874	5,787,185	77,947,197	
Revenue of hydraulic stations .....	156,824,937	27,295	2,704,510	1,596,760	77,820,046	
Revenue of fuel stations .....	14,091,643	452,599	2,299,564	2,190,425	127,151	
Average revenue per H.P. of primary power .....	25.66	50.05	42.58	55.27	17.64	
Average revenue per H.P. in main and auxiliary plants .....	25.14	49.17	59.84	52.84	17.49	
Average revenue per Kv.A. of dynamo capacity .....	28.09	66.40	50.91	59.21	20.22	
Average revenue per Kv.A. in main and auxiliary plants .....	27.46	65.94	47.40	56.55	20.04	
Average revenue per kilowatt hour consumed ..... Cents	.58	5.52	1.46	1.01	.50	
Average revenue per domestic service customer .....	28.11	55.04	29.55	28.67	22.10	
Average revenue per commercial light customer .....	115.15	95.43	151.35	111.84	116.07	
Average revenue per small power customer .....	262.56	295.88	261.47	279.58	235.27	
Average revenue per large power customer .....	11,054.77	10,019.89	16,099.80	8,857.90	40,981.51	
Average revenue per kilowatt hour - domestic and farm service ..... Cents	1.87	5.49	4.18	4.51	2.95	
Average revenue per kilowatt hour - commercial light ..... Cents	2.24	4.88	4.01	3.15	2.70	

\* - Affected by power purchased from other province.

X - Adjusted for power purchased from Quebec plants.

(1) - Gross revenue less cost of power interchanged between stations.

TABLEAU 5 - RECETTES, 1942 (1)

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
\$	\$	\$	\$	\$	
✓ 85,556,715	8,951,783	6,041,038	✓ 7,293,056	18,280,860	<u>RECETTES PROVENANT DE LA VENTE D'ÉLECTRICITÉ</u>
22,807,897	3,570,492	2,175,896	2,595,075	5,049,084	Pour éclairage domestique
9,289,802	1,854,506	1,781,972	1,874,856	5,568,851	Pour éclairage commercial
5,171,217	401,596	788,155	1,086,812	816,804	Pour force motrice (petite)
46,148,022	3,882,563	996,716	1,655,224	8,596,745	Pour force motrice (grosse)
2,119,777	243,026	290,519	285,091	429,376	Pour éclairage des rues
16,014,500	5,119,789	2,297,170	3,564,585	17,555,498	<u>RECETTES DES USINES COMMERCIALES</u>
5,718,812	204,764	174,970	90,868	4,965,716	Non-génératrices
12,295,688	4,815,025	2,122,200	3,475,697	12,589,782	Génératrices
12,275,544	4,829,031	-	2,642,908	12,095,223	Hydrauliques
20,144	85,994	2,122,200	850,789	294,559	A combustible
69,522,215	4,811,994	5,745,888	3,728,491	905,362	<u>RECETTES DES USINES MUNICIPALES</u>
15,778,688	1,195,593	789,847	1,555,657	555,050	Non-génératrices
55,745,527	5,616,401	2,974,021	2,372,854	552,512	Génératrices
55,875,469	5,412,940	-	-	284,268	Hydrauliques
70,058	205,461	2,974,021	2,372,854	68,044	A combustible
19,495,500	1,400,557	944,817	1,446,525	5,518,788	Recettes des usines non-génératrices
66,041,215	8,831,426	5,096,221	5,846,551	12,742,094	Recettes des usines génératrices
65,851,013	8,241,971	-	2,642,908	12,578,481	Recettes des usines hydrauliques
90,202	289,455	5,096,221	3,205,625	862,605	Recettes des usines à combustible
x 24.74	19.57	55.90	42.90	28.15	Moyenne de recettes par H.P. de machinerie primaire
x 24.44	18.26	55.90	38.80	26.12	Moyenne de recettes par H.P. de machinerie principale et auxiliaire
x 51.46	24.15	42.48	51.99	54.78	Moyenne de recettes par Kv.A. de capacité de dynamos
x 51.08	22.57	42.48	48.47	32.29	Moyenne de recettes par Kv.A. de capacité des dynamos,
.55	.48	2.85	1.68	.70	usines principales et auxiliaires
28.95	40.75	40.16	51.99	28.26	Moyenne de recettes par Kw. heure ..... (cents)
					Moyenne de recettes par abonnés d'éclairage domestique
101.77	102.45	115.47	109.89	124.84	Moyenne de recettes par abonnés d'éclairage commercial
568.50	118.90	280.77	195.52	176.49	Moyenne de recettes par abonnés pour petite force motrice
14,452.87	1,152.21	7,494.11	4,362.07	11,019.55	Moyenne de recettes par abonnés pour grosse force motrice
					Moyenne de recettes par Kw. heure-service domestique et de ferme ..... (cents)
1.40	1.00	4.84	4.87	2.76	Moyenne de recettes par Kw. heure - service commercial (cents)
1.48	1.96	4.50	4.50	3.24	

/ - Affecté par énergie achetée d'une autre province.

I - Adjusté pour achat de courant des usines du Québec.

(1) - Revenu brut moins le coût de l'énergie échangée entre stations.

TABLE 6 - EXPENSES, 1942

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>TOTAL EXPENSES</u> .....	\$ 152,581,418	236,521	6,864,746	2,218,260	57,711,302	
Per cent of total for Canada .....	100.00	0.18	5.05	1.67	28.44	
Salaries and wages .....	54,285,870	81,749	1,484,016	395,945	8,909,407	
Fuel .....	5,490,125	97,586	956,969	450,890	45,968	
Taxes (x) .....	29,302,912	55,470	1,725,685	241,527	18,701,242	
Cost of power .....	65,502,511	1,716	2,540,056	929,918	10,054,685	
<u>TOTAL FOR COMMERCIAL STATIONS</u> .....	71,135,582	199,118	5,395,812	1,229,394	36,829,875	
Salaries and wages .....	16,810,551	70,296	1,129,224	516,121	8,617,739	
Fuel .....	1,975,988	71,636	829,546	160,855	6,557	
Taxes .....	28,304,850	55,470	1,696,705	240,499	18,681,877	
Cost of power .....	24,044,253	1,716	1,740,519	491,921	9,625,720	
Non-generating stations .....	14,997,592	1,744	3,515,708	712,224	84,349	
Generating stations .....	56,135,990	197,574	2,080,106	517,170	36,745,524	
Hydraulic stations .....	52,241,589	15,560	490,709	185,085	36,729,892	
Fuel stations .....	8,894,801	184,014	1,580,597	554,085	15,832	
<u>TOTAL FOR MUNICIPAL STATIONS</u> .....	61,448,056	27,405	1,268,934	988,866	881,429	
Salaries and wages .....	17,475,539	11,455	354,792	279,824	591,668	
Fuel .....	1,516,157	25,950	107,625	270,057	59,451	
Taxes .....	998,082	-	26,982	1,028	19,365	
Cost of power .....	41,458,278	-	789,557	457,997	430,985	
Non-generating stations .....	57,412,440	-	722,584	516,451	461,685	
Generating stations .....	24,055,596	57,405	546,350	472,455	419,743	
Hydraulic stations .....	21,012,500	-	190,960	17,259	370,471	
Fuel stations .....	5,025,296	37,405	555,590	455,196	49,275	
<u>TOTAL EXPENSES FOR NON-GENERATING STATIONS</u> .....	52,409,852	1,744	4,058,290	1,228,655	546,052	
Salaries and wages .....	9,148,521	-	722,471	234,285	161,289	
Fuel .....	67,866	-	66,755	-	696	
Taxes .....	3,899,010	28	1,511,925	111,553	2,455	
Cost of power .....	39,294,455	1,716	1,937,141	882,617	581,812	
<u>TOTAL EXPENSES FOR GENERATING STATIONS</u> .....	80,171,586	254,777	2,626,456	989,625	57,165,270	
Salaries and wages .....	25,157,549	81,749	741,545	561,660	8,748,138	
Fuel .....	5,422,269	97,586	870,254	450,890	45,272	
Taxes .....	25,405,902	55,442	411,762	129,974	18,698,787	
Cost of power .....	26,206,076	-	602,915	47,101	9,675,073	
Hydraulic stations .....	75,255,889	15,360	681,669	200,344	37,100,165	
Fuel stations .....	6,917,897	221,417	1,944,787	789,281	65,107	

(x) Sales tax not included ..... 5,065,969 12,866 159,511 119,710 1,465,907

✓ Includes only the four items listed.

TABLEAU 6 - /DEPENSES, 1942

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
\$	\$	\$	\$	\$	
62,836,869	5,056,587	5,219,874	5,495,319	15,143,920	<u>TOTAL DES DEPENSES</u>
47.39	2.51	2.43	2.64	9.91	Pourcentage du total pour le Canada
15,586,593	2,152,035	1,058,569	1,271,463	3,166,095	Salaires et gages
21,276	99,743	1,051,250	514,557	271,866	Combustible
2,870,667	214,441	342,614	544,977	4,608,289	Taxes (x)
44,358,333	610,370	767,441	1,162,322	5,077,670	Achat d'énergie électrique
10,662,651	1,554,129	1,255,051	1,521,490	12,685,864	<u>TOTAL POUR LES USINES COMMERCIALES</u>
1,851,195	858,764	437,150	640,957	3,028,907	Salaires et gages
7,203	55,801	584,749	205,065	256,778	Combustible
2,179,114	124,350	289,716	428,632	4,608,289	Taxes
6,645,141	557,234	145,456	248,636	4,791,890	Achat d'énergie électrique
5,488,615	586,985	118,092	59,667	6,850,012	Usines non-génératrices
7,174,036	967,146	1,156,959	1,481,823	5,835,852	Usines génératrices
7,164,195	908,461	-	1,065,296	5,686,591	Usines hydrauliques
9,841	58,635	1,136,959	416,527	149,261	Usines à combustible
52,174,218	1,702,458	1,964,823	1,971,829	458,056	<u>TOTAL POUR LES USINES MUNICIPALES</u>
13,765,400	1,295,289	621,459	630,506	157,188	Salaires et gages
14,073	65,942	666,501	311,492	15,088	Combustible
691,553	90,111	52,898	116,145	-	Taxes
37,713,192	253,156	623,985	913,686	285,780	Achat d'énergie électrique
52,900,227	478,559	728,204	1,255,155	573,617	Usines non-génératrices
19,273,991	1,225,919	1,238,619	736,674	84,459	Usines génératrices
19,248,570	1,126,108	-	-	59,132	Usines hydrauliques
25,621	99,811	1,258,619	736,674	25,507	Usines à combustible
36,588,842	865,522	844,296	1,274,822	7,225,629	<u>TOTAL DES DEPENSES DES USINES NON-GENERATRICES</u>
5,998,508	259,522	117,426	244,224	1,451,016	Salaires et gages
258	56	-	-	121	Combustible
415,921	15,818	58,362	93,987	1,890,963	Taxes
29,974,155	610,346	668,508	936,811	5,901,529	Achat d'énergie électrique
26,448,027	2,195,065	2,575,578	2,218,497	5,920,291	<u>TOTAL DES DEPENSES DES USINES GENERATRICES</u>
9,588,086	1,892,711	941,145	1,027,259	1,755,079	Salaires et gages
21,018	99,707	1,051,250	514,557	271,745	Combustible
2,454,746	200,825	284,252	450,990	2,717,526	Taxes
14,384,178	24	98,955	225,711	1,178,141	Achat d'énergie électrique
26,412,565	2,054,569	-	1,065,296	5,745,725	Usines hydrauliques
56,462	158,496	2,575,578	1,153,201	174,568	Usines à combustible

2,052,982      297,021      206,054      198,660      555,478 ..... Taxe des ventes non comprises. (x)

/ Ne comprend que les quatre items énumérés.

TABLE 7 - EMPLOYEES, 1942

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>TOTAL NUMBER OF PERSONS EMPLOYED .....</u>	19,764	65	1,064	543	5,398	
Per cent of total for Canada .....	100.00	0.35	5.38	2.75	27.51	
Officers, clerks, other salaried employees, etc. ..	8,199	52	400	278	1,824	
Employees on wages .....	11,565	53	664	265	3,574	
<u>TOTAL EMPLOYEES IN COMMERCIAL STATIONS .....</u>	10,067	53	761	258	5,109	
Officers, clerks, other salaried employees, etc. ..	3,537	21	228	99	1,676	
Employees on wages .....	6,530	52	555	159	5,455	
Non-generating .....	1,518	-	589	90	21	
Generating .....	8,749	53	572	148	5,088	
Hydraulic .....	7,957	11	225	72	5,080	
Fuel .....	792	42	147	76	8	
<u>TOTAL EMPLOYEES IN MUNICIPAL STATIONS .....</u>	9,697	12	303	505	289	
Officers, clerks, other salaried employees, etc. ..	4,862	11	172	179	148	
Employees on wages .....	5,035	1	151	126	141	
Non-generating .....	4,210	-	82	85	98	
Generating .....	5,487	12	221	222	191	
Hydraulic .....	4,612	-	141	14	180	
Fuel .....	875	12	80	208	11	
<u>TOTAL EMPLOYEES IN NON-GENERATING STATIONS .....</u>	5,528	-	471	175	119	
Officers, clerks, other salaried employees, etc. ..	3,067	-	222	110	64	
Employees on wages .....	2,461	-	249	65	55	
<u>TOTAL EMPLOYEES IN GENERATING STATIONS .....</u>	14,256	65	595	570	5,279	
Officers, clerks, other salaried employees, etc. ..	5,152	52	178	168	1,760	
Employees on wages .....	9,104	53	415	202	3,519	
Hydraulic .....	12,569	11	366	86	5,260	
Fuel .....	1,667	54	227	284	19	

TABLEAU 7 - EMPLOYEES, 1942

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
8,180	1,355	668	724	1,767	<u>TOTAL DU PERSONNEL OCCUPE</u>
41.39	6.86	3.38	3.66	8.94	Pourcentage du total pour le Canada
3,422	870	278	332	763	Administrateurs, directeurs, commis et tous employés des bureaux
4,758	485	390	392	1,004	Ouvriers et journaliers
1,037	519	322	364	1,664	<u>PERSONNEL DES USINES COMMERCIALES</u>
265	211	139	179	719	Administrateurs, directeurs, commis et tous employés des bureaux
772	308	183	185	945	Ouvriers et journaliers
45	11	12	7	743	Non-génératrices.
992	508	310	357	921	Génératrices
987	489	-	222	871	Hydrauliques
5	19	310	135	50	Combustible
7,143	836	346	360	105	<u>PERSONNEL DES USINES MUNICIPALES</u>
3,157	659	139	155	44	Administrateurs, directeurs, commis et tous employés des bureaux
3,986	177	207	207	59	Ouvriers et journaliers
3,484	204	54	146	59	Non-génératrices
3,659	632	292	214	44	Génératrices
3,648	591	-	-	38	Hydrauliques
11	41	292	214	6	Combustible
3,529	215	68	153	802	<u>PERSONNEL DES USINES NON-GENERATRICES</u>
1,928	166	58	95	444	Administrateurs, directeurs, commis et tous employés des bureaux
1,601	49	28	58	358	Ouvriers et journaliers
4,651	1,140	602	571	965	<u>PERSONNEL DES USINES GENERATRICES</u>
1,494	704	240	257	519	Administrateurs, directeurs, commis et tous employés des bureaux
3,157	436	362	354	646	Ouvrières et journaliers
4,635	1,080	-	222	909	Hydrauliques
16	60	602	349	56	Combustible

TABLE 8 - NUMBER OF CUSTOMERS, 1942

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>NUMBER OF CUSTOMERS</u> .....	2,125,304	6,991	86,112	62,759	576,502	
Per cent of total for Canada .....	100.00	0.35	4.05	2.95	27.12	
Domestic service .....	1,803,708	5,606	72,592	54,529	488,014	
Commercial light .....	284,706	1,258	10,863	6,909	75,533	
Power (small) .....	44,815	125	2,390	1,053	10,805	
Power (large) .....	9,875	9	193	224	1,551	
Street lighting .....	2,404	15	74	44	799	
<u>COMMERCIAL STATIONS</u> .....	985,059	5,645	58,554	28,218	551,720	
Domestic service .....	818,157	4,552	49,275	21,752	448,545	
Commercial light .....	159,959	998	7,494	5,721	71,218	
Power (small) .....	21,384	78	1,637	666	9,940	
Power (large) .....	4,157	8	108	78	1,252	
Street lighting .....	1,422	11	42	21	767	
Non-generating .....	219,305	105	44,922	16,004	4,519	
Generating .....	765,754	5,540	15,852	10,214	527,201	
Hydraulic .....	705,596	706	9,574	2,009	528,718	
Fuel .....	60,158	4,834	4,258	8,205	483	
<u>MUNICIPAL STATIONS</u> .....	1,140,245	1,548	27,558	36,521	44,582	
Domestic service .....	985,571	1,054	25,517	32,797	59,471	
Commercial light .....	124,747	242	3,569	3,188	4,115	
Power (small) .....	23,429	49	753	387	865	
Power (large) .....	5,516	1	87	148	98	
Street lighting .....	982	2	32	25	32	
Non-generating .....	802,460	-	15,445	15,858	21,536	
Generating .....	337,785	1,548	12,115	21,165	23,246	
Hydraulic .....	240,506	-	6,351	1,684	22,146	
Fuel .....	97,479	1,548	5,762	19,481	1,100	
<u>NON-GENERATING STATIONS</u> .....	1,021,765	105	60,567	51,360	25,855	
Domestic service .....	869,502	74	50,557	26,866	22,625	
Commercial light .....	128,955	28	7,837	3,963	2,633	
Power (small) .....	21,466	-	1,839	465	526	
Power (large) .....	3,337	-	98	144	25	
Street lighting .....	707	1	56	22	50	
<u>GENERATING STATIONS</u> .....	1,105,539	6,888	25,745	51,379	550,447	
Hydraulic stations .....	945,902	706	15,725	5,695	548,864	
Domestic service .....	810,505	571	13,484	3,065	464,169	
Commercial light .....	110,454	131	1,825	522	72,567	
Power (small) .....	17,877	-	529	76	10,257	
Power (large) .....	5,815	1	60	25	1,525	
Street lighting .....	1,255	5	27	5	746	
Fuel stations .....	157,637	6,182	10,020	27,686	1,585	
Domestic service .....	125,901	4,961	8,551	24,598	1,222	
Commercial .....	27,299	1,079	1,201	2,524	533	
Power (small) .....	5,470	125	222	492	22	
Power (large) .....	523	8	35	55	5	
Street lighting .....	444	9	11	17	3	

Average number of domestic service customers

per 100 of population ..... 15.48 .5.84 12.57 11.73 14.40

TABLEAU 8 - NOMBRE D'USAGERS, 1942

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
896,845	112,515	72,929	98,077	212,796	<u>NOMBRE D'USAGERS</u>
42,20	5,30	3,43	4,61	10,01	Pourcentage du total pour le Canada
787,721	87,615	54,132	74,914	178,685	Service domestique
91,296	17,903	15,519	17,061	28,588	Eclairage commercial
14,033	3,376	2,807	5,616	4,628	Force motrice (petite)
3,193	3,429	133	379	762	Force motrice (grosse)
610	106	538	207	155	Eclairage des rues
76,788	54,254	27,922	52,544	191,616	<u>NOMBRE D'USAGERS DES USINES COMMERCIALES</u>
65,544	25,237	20,177	21,947	161,150	Service domestique
9,725	7,011	6,402	7,788	25,606	Eclairage commercial
1,081	456	1,116	2,534	4,098	Force motrice (petite)
364	1,550	48	85	666	Force motrice (grosse)
76	20	179	190	116	Eclairage des rues
5,519	8,138	2,938	2,400	134,762	Non-génératrices
71,269	28,116	24,984	29,944	56,854	Génératrices
70,630	24,520	-	17,099	54,540	Hydrauliques
639	1,596	24,984	12,845	2,514	Combustible
820,055	78,281	45,007	65,733	21,180	<u>NOMBRE D'USAGERS DES USINES MUNICIPALES</u>
722,177	62,378	33,955	52,867	17,555	Service domestique
81,563	10,898	9,117	9,273	2,962	Eclairage commercial
12,952	2,940	1,691	3,282	530	Force motrice (petite)
2,829	1,879	85	294	96	Force motrice (grosse)
534	186	159	17	17	Eclairage des rues
685,813	22,199	15,835	30,478	15,998	Non-génératrices
154,242	56,062	29,172	35,255	5,182	Génératrices
152,997	52,751	-	-	4,367	Hydrauliques
1,245	5,801	29,172	35,255	815	Combustible
671,332	30,357	18,773	32,878	150,760	<u>NOMBRE D'USAGERS DES USINES NON-GENERATRICES</u>
577,125	23,968	14,039	26,689	127,361	Service domestique
79,638	5,064	3,673	4,352	19,885	Eclairage commercial
12,004	880	957	1,780	3,015	Force motrice (petite)
2,245	266	47	62	452	Force motrice (grosse)
520	159	57	15	47	Eclairage des rues
225,511	82,178	54,156	65,199	62,036	<u>NOMBRE D'USAGERS DES USINES GENERATRICES</u>
225,627	77,281	-	17,099	58,907	Usines hydrauliques
208,939	59,953	-	11,217	49,107	Service domestique
11,500	11,907	-	4,253	7,949	Eclairage commercial
1,857	2,302	-	1,474	1,482	Force motrice (petite)
945	5,109	-	49	299	Force motrice (grosse)
286	10	-	106	70	Eclairage des rues
1,884	4,897	54,156	48,100	3,129	Usines à combustible
1,657	3,694	40,095	56,908	2,217	Service domestique
148	958	11,846	8,476	754	Eclairage commercial
72	194	1,850	2,362	151	Force motrice (petite)
3	54	86	268	11	Force motrice (grosse)
4	17	281	86	16	Eclairage des rues

Moyenne de consommateurs d'éclairage électrique

20.59      11.87      5.97      9.29      21.22      par 100 habitants

TABLE 9 - POLE LINE MILEAGE, 1942

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>POLE LINE MILEAGE</u> .....	77,939	300	4,235	5,254	14,581	
Per cent of total for Canada .....	100.00	0.39	5.43	4.18	18.72	
Miles of steel towers .....	5,389	-	21	245	1,558	
Miles of steel poles .....	500	-	1	-	253	
Miles of wooden poles .....	69,491	237	4,200	3,008	12,175	
Miles of concrete poles .....	554	-	-	1	-	
Miles of underground and submarine cables .....	2,175	5	15	2	827	
<u>TOTAL POLE LINE MILEAGE - COMMERCIAL STATIONS</u> .....	51,847	276	2,099	707	14,009	
Non-generating .....	5,155	10	912	249	521	
Generating .....	26,692	266	1,187	458	13,688	
Hydraulic .....	25,889	55	972	256	13,676	
Fuel .....	2,803	215	215	202	12	
<u>TOTAL POLE LINE MILEAGE - MUNICIPAL STATIONS</u> .....	46,062	24	2,136	2,547	582	
Non-generating .....	10,827	-	424	179	171	
Generating .....	35,235	24	1,712	2,368	411	
Hydraulic .....	29,845	-	1,253	29	390	
Fuel .....	5,392	24	459	2,359	21	
<u>TOTAL POLE LINE MILEAGE - NON-GENERATING STATIONS</u> .....	15,982	10	1,536	428	492	
<u>TOTAL POLE LINE MILEAGE - GENERATING STATIONS</u> .....	61,927	290	2,899	2,826	14,099	
Hydraulic .....	53,752	55	2,225	285	14,086	
Fuel .....	8,195	237	674	2,541	55	

TABLE 10 - AUXILIARY PLANT EQUIPMENT, 1942

<u>TOTAL PRIMARY POWER</u> .....	H.P.	194,966	165	15,083	2,725	57,511	
Per cent of total for Canada .....		100.00	0.08	8.71	1.40	19.14	
Steam reciprocating engines .....	No.	28	1	8	2	1	
Total capacity .....	H.P.	11,676	75	5,463	800	60	
Steam turbines .....	No.	44	-	3	3	8	
Total capacity .....	H.P.	172,104	-	7,590	1,925	56,224	
Gas and oil engines .....	No.	52	2	8	-	5	
Total capacity .....	H.P.	11,186	90	2,250	-	1,027	
<u>TOTAL SECONDARY POWER</u> .....	Kv.A.	166,236	48	10,964	2,035	55,894	
<u>COMMERCIAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u> .....	H.P.	150,962	165	12,420	2,725	25,675	
Steam reciprocating engines .....	No.	19	1	6	2	1	
Total capacity .....	H.P.	7,378	75	5,040	800	80	
Steam turbines .....	No.	55	-	3	3	6	
Total capacity .....	H.P.	115,240	-	7,590	1,925	25,500	
Gas and oil engines .....	No.	38	2	5	-	5	
Total capacity .....	H.P.	8,344	90	1,990	-	115	
<u>TOTAL SECONDARY POWER</u> .....	Kv.A.	110,118	48	10,428	2,035	25,125	
<u>MUNICIPAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u> .....	H.P.	64,004	-	663	-	11,636	
Steam reciprocating engines .....	No.	9	-	2	-	-	
Total capacity .....	H.P.	4,298	-	423	-	-	
Steam turbines .....	No.	9	-	-	-	2	
Total capacity .....	H.P.	56,964	-	-	-	10,724	
Gas and oil engines .....	No.	14	-	5	-	2	
Total capacity .....	H.P.	2,842	-	240	-	912	
<u>TOTAL SECONDARY POWER</u> .....	Kv.A.	56,118	-	556	-	10,769	

TABLEAU 9 - LONGUEUR (EN MILLES) DES LIGNES SUR POTEAUX, 1942

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
37,054	4,355	4,082	4,262	5,796	<u>LONGUEUR (EN MILLES) DES LIGNES SUR POTEAUX</u>
47,55	5,56	5,24	5,47	7,46	Pourcentage du total pour tout le Canada
2,957	743	-	31	36	Milles de pylones d'acier
66	-	-	-	-	Milles de poteaux d'acier
32,587	3,557	4,057	4,158	5,654	Milles de poteaux de bois
553	-	-	-	-	Milles de poteaux de ciment
1,091	35	25	73	106	Milles de cables souterrains et sous-marins
<u>TOTAL (EN MILLES) POUR LE SERVICE DES USINES COMMERCIALES</u>					
2,745	1,454	1,872	3,380	5,325	Non-génératrices
218	215	746	48	2,436	Génératrices
2,527	1,219	1,126	3,352	2,889	Hydrauliques
2,515	1,142	-	2,461	2,814	A combustible
12	77	1,126	871	75	
<u>TOTAL (EN MILLES) POUR LE SERVICE DES USINES MUNICIPALES</u>					
54,309	2,901	2,210	882	571	Non-génératrices
7,113	1,996	207	422	515	Génératrices
27,196	905	2,003	460	156	Hydrauliques
27,168	865	-	-	138	A combustible
28	40	2,003	460	18	
<u>TOTAL (EN MILLES) POUR LE SERVICE DES USINES NON-GENERATRICES</u>					
29,723	2,124	3,129	3,792	3,045	<u>TOTAL (EN MILLES) POUR LE SERVICE DES USINES GENERATRICES</u>
29,683	2,007	-	2,461	2,952	Hydrauliques
40	117	3,129	1,351	93	A combustible

TABLEAU 10 - OUTILLAGE AUXILIAIRE, 1942

41,175	51,090	-	18,963	50,454	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> .....H.P.
21,12	15,94	-	9,75	25,88	Pourcentage du total pour tout le Canada
4	1	-	7	4	Machines à vapeur, à mouvement alternatif .....Nomb.
1,600	1,750	-	2,753	1,175	Capacité totale .....H.P.
4	7	-	4	15	Turbines à vapeur .....Nomb.
38,000	28,490	-	15,000	45,075	Capacité totale .....H.P.
4	7	-	7	19	Moteurs à gaz et à pétrole .....Nomb.
1,575	850	-	1,210	4,204	Capacité totale .....H.P.
35,497	28,711	-	16,662	40,425	<u>TOTAL, FORCE MOTRICE SECONDAIRE</u> .....Kv.A.
10,075	12,000	-	18,963	48,939	<u>USINES COMMERCIALES</u>
-	-	-	7	2	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> .....H.P.
-	-	-	2,753	650	Machines à vapeur, à mouvement alternatif .....Nomb.
2	8	-	4	14	Capacité totale .....H.P.
8,500	12,000	-	15,000	44,925	Turbines à vapeur .....Nomb.
4	-	-	7	17	Capacité totale .....H.P.
1,575	-	-	1,210	3,364	Moteurs à gaz et à pétrole .....Nomb.
7,282	11,250	-	16,662	59,288	Capacité totale .....H.P.
51,100	19,090	-	-	1,515	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> .....H.P.
4	1	-	-	2	Machines à vapeur, à mouvement alternatif .....Nomb.
1,600	1,750	-	-	525	Capacité totale .....H.P.
2	4	-	-	1	Turbines à vapeur .....Nomb.
29,500	18,490	-	-	150	Capacité totale .....H.P.
-	7	-	-	2	Moteurs à gaz et à pétrole .....Nomb.
-	850	-	-	840	Capacité totale .....H.P.
26,215	17,461	-	-	1,137	<u>TOTAL, FORCE MOTRICE SECONDAIRE</u> .....Kv.A.

TABLE II - TOTAL EQUIPMENT INCLUDING AUXILIARY PLANT EQUIPMENT, 1942

		Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>TOTAL PRIMARY POWER</u>	H.P.	8,808,662	9,579	189,907	143,975	4,461,273	
Per cent of total for Canada		100.00	0.11	2.16	1.63	50.87	
Water wheels and turbines	No.	854	7	57	17	282	
Total capacity	H.P.	8,254,285	592	107,015	107,010	4,441,112	
Steam reciprocating engines	No.	62	1	9	7	1	
Total capacity	H.P.	20,621	75	5,963	5,980	60	
Steam turbines	No.	117	4	17	9	9	
Total capacity	H.P.	500,745	6,680	75,828	52,005	56,574	
Gas and oil engines	No.	525	18	22	6	12	
Total capacity	H.P.	53,011	2,252	3,103	980	5,727	
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	7,423,163	6,995	158,834	121,897	5,910,278	
Per cent of total for Canada		100.00	0.09	2.14	1.64	52.68	
Dynamos, A.C.	No.	1,304	21	108	36	298	
Total capacity	Kv.A.	7,417,198	6,995	158,534	121,047	5,910,258	
Dynamos, D.C.	No.	221	-	1	2	1	
Total capacity	Kw.	5,967	-	500	850	20	
<u>COMMERCIAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u>	H.P.	6,400,548	7,514	102,089	114,555	4,588,407	
Water wheels and turbines	No.	566	7	19	11	255	
Total capacity	H.P.	6,089,440	592	28,170	94,150	4,582,402	
Steam reciprocating engines	No.	58	1	7	7	1	
Total capacity	H.P.	12,575	75	3,540	5,980	60	
Steam turbines	No.	73	4	14	6	7	
Total capacity	H.P.	258,050	6,680	70,245	15,825	25,650	
Gas and oil engines	No.	586	5	7	2	5	
Total capacity	H.P.	30,505	187	2,134	600	295	
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	5,476,887	5,287	86,279	97,216	5,828,984	
Dynamos, A.C.	No.	847	18	45	25	280	
Total capacity	Kv.A.	5,472,625	5,287	85,979	96,586	5,828,984	
Dynamos, D.C.	No.	189	-	1	2	1	
Total capacity	Kw.	4,264	-	500	850	20	
<u>MUNICIPAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u>	H.P.	2,408,514	2,065	87,818	29,620	92,886	
Water wheels and turbines	No.	288	-	58	6	29	
Total capacity	H.P.	2,154,845	-	80,845	12,860	78,710	
Steam reciprocating engines	No.	24	-	2	-	-	
Total capacity	H.P.	8,046	-	423	-	-	
Steam turbines	No.	44	-	5	5	2	
Total capacity	H.P.	242,715	-	5,581	18,580	10,724	
Gas and oil engines	No.	139	8	15	4	7	
Total capacity	H.P.	22,708	2,065	969	580	5,452	
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	1,946,276	1,706	72,555	24,681	81,294	
Dynamos, A.C.	No.	457	8	58	15	38	
Total capacity	Kv.A.	1,944,573	1,706	72,555	24,681	81,294	
Dynamos, D.C.	No.	32	-	-	-	-	
Total capacity	Kw.	1,705	-	-	-	-	

TABLEAU 11 - OUTILLAGE GLOBAL, Y COMPRIS OUTILLAGE AUXILIAIRE, 1942

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
2,583,929	543,817	168,275	188,947	699,160	<u>TOTAL FORCE MOTRICE PRIMAIRE</u> .....H.P.
27.06	6.17	1.91	2.15	7.94	Pourcentage du total pour le Canada
355	43	-	10	83	Turbines et roues hydrauliques .....Nomb.
2,341,439	508,300	-	91,180	637,837	Capacité totale .....H.P.
11	6	1	17	9	Machines à vapeur, à mouvement alternatif .....Nomb.
1,870	2,568	750	5,711	1,644	Capacité totale .....H.P.
4	9	26	19	20	Turbines à vapeur .....Nomb.
58,000	29,740	144,510	85,595	52,415	Capacité totale .....H.P.
15	57	250	120	52	Moteurs à gaz et à pétrole .....Nomb.
2,620	5,209	23,215	6,661	7,264	Capacité totale .....H.P.
1,920,556	440,013	142,200	156,936	565,476	<u>CAPACITE TOTALE DES DYNAMOS</u> .....Kv.A.
25.87	5.93	1.92	2.11	7.62	Pourcentage du total pour le Canada
375	89	135	90	157	Dynamos, C.A. .....Nomb.
1,920,491	439,967	140,497	154,075	565,354	Capacité totale .....Kv.A.
2	5	140	65	5	Dynamos, C.D. .....Nomb.
45	48	1,703	2,861	142	Capacité totale .....Kw.
<u>USINES COMMERCIALES</u>					
554,084	366,644	59,463	121,087	686,895	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> .....H.P.
169	25	-	10	74	Turbines et roues hydrauliques .....Nomb.
543,779	353,500	-	91,180	628,067	Capacité totale .....H.P.
3	1	-	13	5	Machines à vapeur, à mouvement alternatif .....Nomb.
85	20	-	5,751	1,064	Capacité totale .....H.P.
2	3	12	6	19	Turbines à vapeur .....Nomb.
8,500	12,000	46,785	20,300	52,265	Capacité totale .....H.P.
7	20	185	109	48	Moteurs à gaz et à pétrole .....Nomb.
1,750	1,524	12,698	5,856	5,499	Capacité totale .....H.P.
465,587	290,407	49,052	97,401	556,874	<u>CAPACITE TOTALE DES DYNAMOS</u> .....Kv.A.
178	44	78	70	158	Dynamos, C.A. .....Nomb.
465,577	290,386	47,807	95,725	556,552	Capacité totale .....Kv.A.
1	2	118	61	5	Dynamos, C.D. .....Nomb.
10	21	1,245	1,678	142	Capacité totale .....Kw.
<u>USINES MUNICIPALES</u>					
1,829,855	177,173	108,812	67,860	12,265	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> .....H.P.
186	20	-	-	9	Turbines et roues hydrauliques .....Nomb.
1,797,660	155,000	-	-	9,770	Capacité totale .....H.P.
8	5	1	4	4	Machines à vapeur, à mouvement alternatif .....Nomb.
1,785	2,548	750	1,960	580	Capacité totale .....H.P.
2	6	14	13	1	Turbines à vapeur .....Nomb.
29,500	17,740	97,545	65,095	150	Capacité totale .....H.P.
6	17	65	11	6	Moteurs à gaz et à pétrole .....Nomb.
890	1,885	10,517	805	1,785	Capacité totale .....H.P.
1,454,949	149,806	95,148	59,555	8,802	<u>CAPACITE TOTALE DES DYNAMOS</u> .....Kv.A.
199	45	57	20	19	Dynamos, C.A. .....Nomb.
1,454,914	149,581	92,690	58,550	8,802	Capacité totale .....Kv.A.
1	5	24	4	-	Dynamos, C.D. .....Nomb.
35	25	458	1,185	-	Capacité totale .....Kw.

TABLE 12 - MAIN PLANT EQUIPMENT, 1942

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
<b>TOTAL PRIMARY POWER</b> .....	H.P. 8,613,696	8,214	178,824	141,250	4,445,962
Per cent of total for Canada .....	100.00	0.11	2.05	1.84	51.59
Water wheels and turbines .....	No. 854	7	57	17	282
Total capacity .....	H.P. 8,234,285	592	107,015	107,010	4,441,112
Steam reciprocating engines .....	No. 34	-	1	5	-
Total capacity .....	H.P. 8,945	-	500	3,180	-
Steam turbines .....	No. 75	4	14	8	1
Total capacity .....	H.P. 528,641	6,680	68,436	50,080	150
Gas and oil engines .....	No. 475	11	14	8	7
Total capacity .....	H.P. 41,825	2,142	875	980	2,700
<b>TOTAL DYNAMO CAPACITY</b> .....	Kv.A. 7,256,927	6,945	147,870	119,862	5,876,584
Per cent of total for Canada .....	100.00	0.10	2.04	1.85	55.42
Dynamos, A.C. .....	No. 1,194	20	87	51	288
Total capacity .....	Kv.A. 7,252,380	6,945	147,870	119,012	5,876,584
Dynamos, D.C. .....	No. 218	-	-	2	1
Total capacity .....	Kw. 4,567	-	-	850	20
<b>COMMERCIAL STATIONS</b>					
<b>TOTAL PRIMARY POWER</b> .....	H.P. 6,269,386	7,149	88,889	111,650	4,582,752
Per cent of total for Canada .....	100.00	0.11	1.45	1.78	89.59
Water wheels and turbines .....	No. 586	7	19	11	255
Total capacity .....	H.P. 6,099,440	392	26,170	94,150	4,582,402
Steam reciprocating engines .....	No. 19	-	1	5	-
Total capacity .....	H.P. 5,197	-	500	5,180	-
Steam turbines .....	No. 58	4	11	5	1
Total capacity .....	H.P. 142,780	6,680	62,855	15,700	150
Gas and oil engines .....	No. 348	3	2	2	2
Total capacity .....	H.P. 21,959	77	144	600	180
<b>TOTAL DYNAMO CAPACITY</b> .....	Kv.A. 5,366,769	5,259	75,851	95,181	5,805,859
Per cent of total for Canada .....	100.00	0.10	1.41	1.77	70.92
Dynamos, A.C. .....	No. 768	12	54	18	254
Total capacity .....	Kv.A. 5,365,905	5,259	75,851	94,531	5,805,859
Dynamos, D.C. .....	No. 188	-	-	2	1
Total capacity .....	Kw. 2,864	-	-	850	20
<b>MUNICIPAL STATIONS</b>					
<b>TOTAL PRIMARY POWER</b> .....	H.P. 2,344,510	2,065	87,155	29,620	61,250
Per cent of total for Canada .....	100.00	0.09	5.72	1.28	5.47
Water wheels and turbines .....	No. 288	-	58	6	29
Total capacity .....	H.P. 2,154,845	-	80,845	12,860	78,710
Steam reciprocating engines .....	No. 15	-	-	-	-
Total capacity .....	H.P. 5,748	-	-	-	-
Steam turbines .....	No. 35	-	5	5	-
Total capacity .....	H.P. 185,851	-	5,561	16,580	-
Gas and oil engines .....	No. 125	8	12	4	5
Total capacity .....	H.P. 19,866	2,065	729	580	2,520
<b>TOTAL DYNAMO CAPACITY</b> .....	Kv.A. 1,890,158	1,708	72,019	24,681	70,525
Per cent of total for Canada .....	100.00	0.09	5.81	1.51	5.75
Dynamos, A.C. .....	No. 426	8	55	15	54
Total capacity .....	Kv.A. 1,888,455	1,708	72,019	24,681	70,525
Dynamos, D.C. .....	No. 52	-	-	-	-
Total capacity .....	Kw. 1,705	-	-	-	-
<b>HYDRAULIC STATIONS</b>					
<b>TOTAL DYNAMO CAPACITY</b> .....	Kv.A. 6,953,248	359	86,584	92,258	5,874,012
Per cent of total for Canada .....	100.00	0.01	1.25	1.55	55.88
Dynamos, A.C. .....	No. 846	6	58	16	280
Total capacity .....	Kv.A. 6,952,956	359	86,584	92,058	5,873,992
Dynamos, D.C. .....	No. 4	-	-	1	1
Total capacity .....	Kw. 290	-	-	200	20
<b>FUEL STATIONS</b>					
<b>TOTAL DYNAMO CAPACITY</b> .....	Kv.A. 525,681	6,586	61,286	27,624	2,572
Per cent of total for Canada .....	100.00	2.04	18.95	8.54	0.75
Dynamos, A.C. .....	No. 348	14	29	15	8
Total capacity .....	Kv.A. 519,404	6,586	61,286	26,974	2,572
Dynamos, D.C. .....	No. 214	-	-	1	-
Total capacity .....	Kw. 4,277	-	-	650	-

X - Capacity of one hydraulic station in Saskatchewan included in Manitoba.

TABLEAU 12 - OUTILLAGE DES USINES PRINCIPALES, 1942

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
2,342,754 27.20 355 2,341,459	x 512,727 5.95 43 508,500	x 168,275 1.06 - - 91,180	169,984 1.97 10 83 637,857	648,706 7.53 5 H.P.	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> ..... Pourcentage du total pour le Canada ..... Roues hydrauliques et turbines ..... Capacité totale ..... Machines à vapeur, à mouvement alternatif ..... Capacité totale ..... Turbines à vapeur ..... Capacité totale ..... Moteurs à gaz et à pétrole ..... Capacité totale .....
7 270 - - 1,045	5 818 2 1,250 30 2,359	1 750 26 144,310 250 25,215	10 2,958 15 70,595 113 5,451	5 409 5 7,540 33 3,060	Nomb. H.P. Nomb. H.P. Nomb. H.P. Nomb. H.P. Nomb. H.P.
1,887,059 26.00 364 1,886,994 2 45	411,502 5.67 74 411,258 5 46	142,200 1.96 155 140,497 140 1,703	140,274 1.93 74 138,513 63 1,761	525,051 7.23 121 524,909 5 142	<u>CAPACITE DES DYNAMOS</u> ..... Pourcentage du total pour le Canada ..... Dynamics, C.A. ..... Capacité totale ..... Dynamics, C.D. ..... Capacité totale .....
544,019 8.68 169 543,779 5 85	354,644 5.66 23 553,500 1 20	59,483 0.95 - - - -	102,124 1.63 10 91,180 6 998	637,956 10.17 74 628,067 3 414	<u>USINES COMMERCIALES</u> <u>TOTAL, FORCE MOTRICE PRIMAIRE</u> ..... Pourcentage du total pour le Canada ..... Turbines et roues hydrauliques ..... Capacité totale ..... Machines à vapeur, à mouvement alternatif ..... Capacité totale .....
- - 3 155	- - 20 1,524	12 46,765 185 12,688	2 5,300 102 4,646	5 7,540 29 2,135	Turbines à vapeur ..... Capacité totale ..... Moteurs à gaz et à pétrole ..... Capacité totale .....
458,505 8.54 171 458,295 1 10	279,157 5.20 41 279,136 2 21	49,052 0.92 78 47,807 116 1,245	80,739 1.50 54 80,183 59 576	517,386 9.64 106 517,244 5 142	<u>CAPACITE DES DYNAMOS</u> ..... Pourcentage du total pour le Canada ..... Dynamics, C.A. ..... Capacité totale ..... Dynamics, C.D. ..... Capacité totale .....
1,798,755 76.73 186 1,787,660 4 185	158,083 6.74 20 155,000 4 798	108,812 4.64 - - 1 750	67,860 2.89 - - 4 1,960	10,750 0.46 9 8,770 2 55	<u>USINES MUNICIPALES</u> <u>TOTAL, FORCE MOTRICE PRIMAIRE</u> ..... Pourcentage du total pour le Canada ..... Turbines et roues hydrauliques ..... Capacité totale ..... Machines à vapeur, à mouvement alternatif ..... Capacité totale .....
- - 6 890	2 1,250 10 1,055	14 97,545 65 10,517	15 65,095 11 805	- - 4 925	Turbines à vapeur ..... Capacité totale ..... Moteurs à gaz et à pétrole ..... Capacité totale .....
1,428,754 75.59 193 1,428,699 1 35	152,145 6.99 33 132,120 5 25	93,148 4.93 57 92,890 24 458	59,535 3.15 20 58,550 4 1,185	7,665 0.40 15 7,665 - -	<u>CAPACITE DES DYNAMOS</u> ..... Pourcentage du total pour le Canada ..... Dynamics, C.A. ..... Capacité totale ..... Dynamics, C.D. ..... Capacité totale .....
1,888,067 27.20 551 1,888,067	407,600 5.88 45 407,600	- - - -	71,600 1.05 10 71,800	514,786 7.42 82 514,716 2 70	<u>USINES HYDRAULIQUES</u> <u>CAPACITE TOTALE DES DYNAMOS</u> ..... Pourcentage du total pour le Canada ..... Dynamics, C.A. ..... Capacité totale ..... Dynamics, C.D. ..... Capacité totale .....
972 0.50 15 927 2 45	5,702 1.14 51 5,656 5 46	142,200 45.95 135 140,497 140 1,703	68,674 21.22 64 66,915 63 1,761	10,265 5.17 59 10,195 5 72	<u>USINES A COMBUSTIBLE</u> <u>CAPACITE TOTALE DES DYNAMOS</u> ..... Pourcentage du total pour le Canada ..... Dynamics, C.A. ..... Capacité totale ..... Dynamics, C.D. ..... Capacité totale .....

X - Rendement maximum d'une usine hydraulique de la Saskatchewan inclus dans le Manitoba.

TABLE 15 - MAIN PLANT EQUIPMENT CLASSIFIED, 1942

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario
<b>PRIMARY POWER</b> .....	H.P.	8,615,696	9,214	176,824	141,250	4,445,962
<u>Water wheels and turbines</u> .....	No.	854	7	57	17	282
	Total H.P.	8,234,285	592	107,015	107,010	4,441,112
Under 500 H.P. ....	No.	154	7	19	2	50
	Total H.P.	28,320	592	4,725	710	6,118
500 - 2,000 H.P. ....	No.	219	-	19	4	60
	Total H.P.	236,169	-	19,900	5,800	65,294
2,000 - 5,000 H.P. ....	No.	158	-	12	6	55
	Total H.P.	406,771	-	41,580	17,500	99,000
5,000 - 10,000 H.P. ....	No.	113	-	7	1	55
	Total H.P.	745,225	-	41,000	5,000	235,400
10,000 - 15,000 H.P. ....	No.	82	-	-	-	28
	Total H.P.	950,400	-	-	-	301,900
15,000 - 25,000 H.P. ....	No.	58	-	-	4	20
	Total H.P.	1,083,500	-	-	80,000	400,500
25,000 - 50,000 H.P. ....	No.	74	-	-	-	55
	Total H.P.	2,594,900	-	-	-	2,057,900
50,000 H.P. and up ....	No.	48	-	-	-	21
	Total H.P.	2,189,000	-	-	-	1,299,000
<b>Steam reciprocating engines</b> .....	No.	34	-	1	5	-
	Total H.P.	8,945	-	500	5,180	-
Under 500 H.P. ....	No.	27	-	-	2	270
	Total H.P.	5,235	-	-	280	-
500 H.P. and up ....	No.	7	-	1	3	-
	Total H.P.	5,710	-	500	2,900	-
<b>Steam turbines</b> .....	No.	73	4	14	6	1
	Total H.P.	328,641	6,680	68,436	50,080	150
Under 500 H.P. ....	No.	5	-	-	-	1
	Total H.P.	1,112	-	-	-	150
500 - 2,000 H.P. ....	No.	20	5	2	1	-
	Total H.P.	22,699	4,180	2,258	700	-
2,000 - 5,000 H.P. ....	No.	26	1	8	5	-
	Total H.P.	77,501	2,500	17,405	11,000	-
5,000 - 10,000 H.P. and up ....	No.	22	-	6	2	-
	Total H.P.	227,329	-	48,775	18,380	-
<b>Gas and oil engines</b> .....	No.	475	11	14	6	7
	Total H.P.	41,825	2,142	875	980	2,700
						1,045
<b>SECONDARY POWER</b> .....						
<u>DYNAMOS, A.C. and D.C.</u> .....	No.	1,412	20	87	55	289
	Total Kv.A.	7,258,827	6,945	147,870	119,862	5,878,584
<u>DYNAMOS, A.C.</u> .....	No.	1,194	20	87	31	288
	Total Kv.A.	7,252,360	6,945	147,870	119,012	5,876,564
Under 50 Kv.A. ....	No.	108	5	9	-	4
	Total Kv.A.	5,079	136	256	-	159
50 - 200 Kv.A. ....	No.	182	8	14	7	18
	Total Kv.A.	19,815	495	1,486	802	1,655
200 - 500 Kv.A. ....	No.	143	5	16	2	24
	Total Kv.A.	44,655	1,498	5,113	675	8,468
500 - 1,000 Kv.A. ....	No.	158	1	9	4	38
	Total Kv.A.	98,869	825	8,445	2,750	27,600
1,000 - 5,000 Kv.A. ....	No.	280	5	51	12	55
	Total Kv.A.	655,785	4,205	82,595	29,475	114,295
5,000 - 10,000 Kv.A. ....	No.	114	-	8	2	25
	Total Kv.A.	797,797	-	52,175	15,510	166,020
10,000 - 15,000 Kv.A. ....	No.	73	-	-	-	32
	Total Kv.A.	789,825	-	-	-	553,660
15,000 - 25,000 Kv.A. ....	No.	67	-	-	4	28
	Total Kv.A.	1,199,000	-	-	70,000	454,250
25,000 - 50,000 Kv.A. ....	No.	64	-	-	-	50
	Total Kv.A.	2,475,757	-	-	-	1,870,257
50,000 Kv.A. and up ....	No.	25	-	-	-	20
	Total Kv.A.	1,172,000	-	-	-	900,000
<u>DYNAMOS, D.C.</u> .....	No.	218	-	-	2	1
	Total Kw.	4,587	-	-	850	20
Under 50 Kw. ....	No.	215	-	-	-	1
	Total Kw.	2,447	-	-	-	20
50 - 200 Kw. ....	No.	1	-	-	-	-
	Total Kw.	120	-	-	-	-
200 - 500 Kw. ....	No.	2	-	-	1	-
	Total Kw.	600	-	-	200	-
500 Kw. and up ....	No.	2	-	-	1	-
	Total Kw.	1,400	-	-	650	-

TABLEAU 13 - OUTILLAGE CLASSIFIÉ DES USINES PRINCIPALES, 1942

Manitoba	Saskat- chewan	Alberta	British Columbia and Yukon	Commercial	Municipal	
512,727	168,275	169,984	648,706	6,269,386	2,544,310	<u>FORCE MOTRICE PRIMAIRE</u> ..... H.P.
43	-	10	85	586	288	Turbines et roues hydrauliques ..... Nomb.
508,300	-	91,180	637,857	6,099,440	2,134,845	Total H.P.
-	-	1	22	92	42	Moins de 500 H.P. ..... Nomb.
-	-	180	3,946	17,270	11,050	Total H.P.
-	-	-	12	120	99	500 - 2,000 H.P. ..... Nomb.
-	-	-	14,120	124,324	111,845	Total H.P.
4	-	2	18	94	44	2,000 - 5,000 H.P. ..... Nomb.
12,800	-	8,000	39,148	261,221	125,550	Total H.P.
21	-	4	12	75	40	5,000 - 10,000 H.P. ..... Nomb.
130,000	-	24,000	86,825	500,025	245,200	Total H.P.
4	-	-	5	54	28	10,000 - 15,000 H.P. ..... Nomb.
50,000	-	-	58,800	597,700	352,700	Total H.P.
8	-	5	12	44	14	15,000 - 25,000 H.P. ..... Nomb.
147,500	-	59,000	214,000	853,000	250,500	Total H.P.
6	-	-	7	68	6	25,000 - 50,000 H.P. ..... Nomb.
168,000	-	-	221,000	2,426,900	168,000	Total H.P.
-	-	-	-	21	15	50,000 et plus H.P. ..... Nomb.
-	-	-	-	1,299,000	890,000	Total H.P.
5	1	10	5	19	15	<u>Machines à vapeur, à mouvement alternatif</u> ..... Nomb.
618	750	2,958	469	5,197	3,748	Total H.P.
5	-	8	5	15	12	Moins de 500 H.P. ..... Nomb.
618	-	1,398	469	1,797	1,458	Total H.P.
-	1	2	-	4	3	500 H.P. et plus ..... Nomb.
-	750	1,560	-	3,400	2,510	Total H.P.
2	25	15	5	58	55	<u>Turbines à vapeur</u> ..... Nomb.
1,250	144,310	70,395	7,540	142,790	185,851	Total H.P.
1	1	2	-	1	4	Moins de 500 H.P. ..... Nomb.
400	267	295	-	150	962	Total H.P.
1	7	2	4	12	8	500 - 2,000 H.P. ..... Nomb.
850	8,375	2,000	4,340	14,423	8,276	Total H.P.
-	3	6	1	15	11	2,000 - 5,000 H.P. ..... Nomb.
-	26,296	17,500	3,000	41,176	36,525	Total H.P.
-	9	5	-	10	12	5,000 - 10,000 H.P. ..... Nomb.
-	109,574	50,800	-	87,041	140,288	Total H.P.
30	250	115	35	548	125	<u>Moteurs à gaz et à pétrole</u> ..... Nomb.
2,559	25,215	5,451	3,060	21,959	18,866	Total H.P.
						<u>FORCE MOTRICE SECONDAIRE</u>
						Dynamos, C.A. & C.D. ..... Nomb.
79	275	137	126	954	458	Total Kv.A.
411,302	142,200	140,274	325,051	5,386,789	1,890,158	Dynamos, C.A. ..... Nomb.
74	135	74	121	768	426	Total Kv.A.
411,256	140,497	138,513	524,909	5,385,905	1,888,455	Moins de 50 Kv.A. ..... Nomb.
15	32	21	15	78	50	Total Kv.A.
421	985	527	397	2,246	835	50 - 200 Kv.A. ..... Nomb.
10	44	25	30	124	58	Total Kv.A.
984	4,882	2,681	3,101	12,774	7,041	200 - 500 Kv.A. ..... Nomb.
5	50	6	12	68	75	Total Kv.A.
1,470	9,084	1,450	3,424	20,753	28,880	500 - 1,000 Kv.A. ..... Nomb.
1	6	2	9	79	59	Total Kv.A.
781	5,886	1,500	6,262	55,470	45,199	1,000 - 5,000 Kv.A. ..... Nomb.
14	15	13	21	171	109	Total Kv.A.
46,550	34,180	59,875	50,400	597,805	255,980	5,000 - 10,000 Kv.A. ..... Nomb.
11	4	2	14	69	45	Total Kv.A.
70,750	25,000	11,250	97,700	481,625	316,172	10,000 - 15,000 Kv.A. ..... Nomb.
7	2	1	6	54	19	Total Kv.A.
78,000	25,000	12,500	75,625	591,225	198,600	15,000 - 25,000 Kv.A. ..... Nomb.
11	2	4	12	55	14	Total Kv.A.
214,500	37,500	68,750	200,000	943,750	255,250	25,000 - 50,000 Kv.A. ..... Nomb.
-	-	-	88,000	1,968,257	515,500	50,000 Kv.A. et plus ..... Nomb.
-	-	-	-	20	5	Total Kv.A.
-	-	-	-	900,000	272,000	Total Kv.A.
5	140	65	5	186	52	<u>Dynamos, C.D.</u> ..... Nomb.
46	1,703	1,761	142	2,884	1,705	Total Kw.
5	159	81	5	184	29	Moins de 50 Kw. ..... Nomb.
48	1,583	611	142	2,014	433	Total Kw.
-	1	-	-	-	1	50 - 200 Kw. ..... Nomb.
-	120	-	-	-	120	Total Kw.
-	-	1	-	1	1	200 - 500 Kw. ..... Nomb.
-	-	400	-	200	400	Total Kw.
-	-	1	-	1	1	500 Kw. et plus ..... Nomb.
-	-	750	-	650	750	Total Kw.

TABLE 14 - ELECTRIC ENERGY GENERATED, 1942

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<b>ALL STATIONS</b>						
Total Kilowatt hours generated ..... (thousands)	37,555,179	13,096	516,828	489,469	20,805,715	
Per cent of total for Canada .....	100.00	0.04	1.58	1.51	55.69	
Kilowatt hours generated by non-generating stations ..... (thousands)	10,608	-	10,508	-	54	
Kilowatt hours generated by generating stations . (thousands)	37,344,571	13,096	506,320	489,469	20,805,681	
Kv.A. capacity of generating stations .....	7,392,774	8,995	148,920	118,862	5,900,278	
Ratio of output to maximum capacity .....p.c.	59.21	21.58	59.28	46.62	65.48	
Average kilowatt hours per Kv.A. .....	5,051	1,875	5,421	4,084	5,354	
<b>GENERATING STATIONS</b>						
<b>COMMERCIAL STATIONS</b>						
<b>TOTAL</b>						
Kilowatt hours generated ..... (thousands)	28,166,845	9,911	267,619	595,159	20,561,702	
Kv.A. capacity .....	5,462,535	5,287	76,001	95,181	3,828,984	
Ratio of output to maximum capacity .....p.c.	60.70	21.40	40.66	47.59	64.05	
Average kilowatt hours per Kv.A. .....	5,157	1,875	5,521	4,151	5,575	
<b>Hydraulic Stations</b>						
Kilowatt hours generated ..... (thousands)	27,833,536	480	91,758	561,461	20,561,505	
Kv.A. capacity .....	5,519,199	407	20,076	81,975	3,828,712	
Ratio of output to maximum capacity .....p.c.	61.64	15.48	54.53	50.55	64.04	
Average kilowatt hours per Kv.A. .....	5,235	1,179	4,670	4,409	5,576	
<b>Fuel Stations</b>						
Kilowatt hours generated ..... (thousands)	335,509	9,451	175,881	35,678	599	
Kv.A. capacity .....	143,136	4,880	55,925	15,206	272	
Ratio of output to maximum capacity .....p.c.	26.59	22.07	55.90	29.11	18.75	
Average kilowatt hours per Kv.A. .....	2,529	1,933	5,145	2,550	1,467	
<b>MUNICIPAL STATIONS</b>						
<b>TOTAL</b>						
Kilowatt hours generated ..... (thousands)	9,177,726	5,185	258,701	94,530	221,959	
Kv.A. capacity .....	1,930,459	1,706	72,019	24,681	71,294	
Ratio of output to maximum capacity .....p.c.	55.08	21.51	57.85	43.65	55.54	
Average kilowatt hours per Kv.A. .....	4,754	1,867	5,514	5,822	5,113	
<b>Hydraulic Stations</b>						
Kilowatt hours generated ..... (thousands)	8,796,224	-	225,626	20,590	216,615	
Kv.A. capacity .....	1,748,894	-	66,658	10,285	69,194	
Ratio of output to maximum capacity .....p.c.	58.53	-	58.64	22.90	55.74	
Average kilowatt hours per Kv.A. .....	5,027	-	3,585	2,006	5,151	
<b>Fuel Stations</b>						
Kilowatt hours generated ..... (thousands)	581,502	5,185	15,075	75,740	5,544	
Kv.A. capacity .....	180,545	1,706	5,561	14,416	2,100	
Ratio of output to maximum capacity .....p.c.	24.12	21.51	27.84	58.58	29.05	
Average kilowatt hours per Kv.A. .....	2,113	1,867	2,439	5,114	2,545	
<b>TOTAL HYDRAULIC STATIONS</b>						
Kilowatt hours generated ..... (thousands)	36,629,760	480	517,364	582,051	20,797,918	
Kv.A. capacity .....	7,069,095	407	86,754	92,258	5,897,906	
Ratio of output to maximum capacity .....p.c.	60.81	13.46	42.19	47.28	63.51	
Average kilowatt hours per Kv.A. .....	5,182	1,179	5,659	4,142	5,386	
Kilowatt hours generated by water power ..... (thousands)	36,582,953	406	517,545	582,051	20,797,594	
Kilowatt hours generated by auxiliary plants ..... (thousands)	46,807	74	19	-	324	
<b>TOTAL FUEL STATIONS</b>						
Kilowatt hours generated ..... (thousands)	714,811	12,616	188,956	107,416	5,745	
Kv.A. capacity .....	325,681	6,588	61,286	27,624	2,572	
Ratio of output to maximum capacity .....p.c.	25.21	21.87	35.19	44.39	27.64	
Average kilowatt hours per Kv.A. .....	2,208	1,916	5,083	5,869	2,421	
<b>CONSUMPTION OF ELECTRIC ENERGY (THOUSANDS OF KILOWATT HOURS)</b>						
Total kilowatt hours generated .....	37,555,179	13,096	516,828	489,469	20,805,715	
Kilowatt hours imported from the United States .....	594	-	-	7	238	
Kilowatt hours imported from other provinces .....	-	-	-	6,847	75,987	
Kilowatt hours exported to the United States .....	2,453,739	-	-	30,571	1,265	
Kilowatt hours exported to other provinces .....	-	-	-	159	5,186,017	
<b>KILOWATT HOURS FOR CONSUMPTION IN CANADA</b> ..... (THOUSANDS)	34,902,054	13,096	516,828	465,615	15,692,658	
Domestic service .....	2,716,895	5,580	51,877	34,696	368,173	
Commercial light .....	1,512,535	2,419	55,602	24,685	524,522	
Small power .....	634,251	619	51,221	10,097	108,305	
Large power .....	26,478,185	4,166	536,511	373,722	15,705,205	
Street lighting .....	199,217	349	5,402	4,215	40,129	
Free service (other than street lighting) .....	70,411	57	53	216	64,697	
Losses .....	5,490,540	1,726	56,582	18,184	1,081,829	

\* Excludes exports to other provinces and/or to the United States.

TABLEAU 14 - ENERGIE ELECTRIQUE GENEREE, 1942

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia and Yukon	
10,181,711 27.26	2,080,810 5.57	211,557 0.57	418,704 1.12	2,639,289 7.06	<b>TOUTES USINES</b> Total kw. heure générés ..... (milliers) Pourcentage du total pour le Canada ..... Kilowatt-heure générés par les usines non-génératrices ..... (milliers) Kilowatt-heure générés par les usines génératrices " Capacité des usines génératrices en Kv.A. .... Proportion de la production à la capacité maximum ... p.c. Moyenne de kilowatt-heure par Kv.A. ....
28 10,181,685 1,918,227 61.50 5,308	12 2,080,798 436,302 54.44 4,769	211,557 142,200 16.99 1,488	418,704 156,936 51.29 2,668	2,639,283 563,956 53.42 4,680	<b>USINES GENERATRICES</b> <b>USINES COMMERCIALES</b> <b>TOTAL</b> Kilowatt-heure générés ..... (milliers) Capacité en Kv.A. .... Proportion de la production à la capacité maximum ... p.c. Moyenne de kilowatt-heure par Kv.A. ....
2,491,242 464,493 61.22 5,365	1,446,889 290,407 56.87 4,982	72,686 49,052 16.92 1,482	277,575 97,401 35.98 2,848	2,624,284 555,529 53.95 4,724	<b>Usines Hydrauliques</b> Kilowatt-heure générés ..... (milliers) Capacité en Kv.A. .... Proportion de la production à la capacité maximum ... p.c. Moyenne de kilowatt-heure par Kv.A. ....
2,490,760 464,338 61.23 5,364	1,445,732 289,350 57.03 4,996	- - - -	261,105 88,262 35.44 2,958	2,600,957 546,079 54.37 4,763	<b>Usines à combustible</b> Kilowatt-heure générés ..... (milliers) Capacité en Kv.A. .... Proportion de la production à la capacité maximum ... p.c. Moyenne de kilowatt-heure par Kv.A. ....
482 155 35.50 3,110	1,157 1,057 12.50 1,095	72,686 49,052 16.92 1,482	16,268 9,139 20.32 1,780	23,327 9,450 28.17 2,468	<b>USINES MUNICIPALES</b> <b>TOTAL</b> Kilowatt-heure générés ..... (milliers) Capacité en Kv.A. .... Proportion de production à la capacité maximum ... p.c. Moyenne de kilowatt-heure par Kv.A. ....
7,690,441 1,453,734 61.59 5,290	633,909 145,895 49.60 4,545	138,871 93,148 17.02 1,491	141,531 59,535 27.10 2,574	14,998 8,427 20.32 1,780	<b>Usines Hydrauliques</b> Kilowatt-heure générés ..... (milliers) Capacité en Kv.A. .... Proportion de production à la capacité maximum ... p.c. Moyenne de kilowatt-heure par Kv.A. ....
7,689,359 1,452,917 61.62 5,292	650,025 143,250 50.21 4,398	- - - -	- - - -	14,008 7,612 21.00 1,840	<b>Usines à combustible</b> Kilowatt-heure générés ..... (milliers) Capacité en Kv.A. .... Proportion de production à la capacité maximum ... p.c. Moyenne de kilowatt-heure par Kv.A. ....
1,082 817 15.11 1,524	3,884 2,645 16.76 1,468	138,871 93,148 17.02 1,491	141,331 59,535 27.10 2,574	990 615 13.85 1,215	<b>TOUTES USINES HYDRAULIQUES</b> Kilowatt-heure générés ..... (milliers) Capacité en Kv.A. .... Proportion de production à la capacité maximum ... p.c. Moyenne de kilowatt-heure par Kv.A. ....
10,180,119 1,917,255 61.52 5,510 10,179,881 228	2,075,757 432,600 54.77 4,798 2,075,636 121	- - - - -	261,105 88,262 35.44 2,958 241,565 19,540	2,614,966 553,691 55.92 4,723 2,588,465 26,501	<b>TOUTES USINES A COMBUSTIBLE</b> Kilowatt-heure générés ..... (milliers) Capacité en Kv.A. .... Proportion de production à la capacité maximum ... p.c. Moyenne de kilowatt-heure par Kv.A. ....
1,564 972 18.57 1,609	5,041 3,702 15.55 1,362	211,557 142,200 16.99 1,488	157,599 68,674 28.20 2,295	24,517 10,265 27.04 2,589	<b>CONSOMMATION D'ENERGIE ELECTRIQUE (EN MILLIERS DE KW.H.)</b> Total de kilowatt-heure générés ..... Kilowatt-heure importés des Etats-Unis ..... Kilowatt-heure importés d'autres provinces ..... Kilowatt-heure exportés aux Etats-Unis ..... Kilowatt-heure exportés à d'autres provinces ....
12,984,457 1,623,780 658,149 517,742 8,468,145 89,325 680 1,705,616	2,079,999 355,928 95,814 54,399 1,508,824 22,687 52 244,515	211,594 46,858 59,791 26,307 71,060 7,922 124 19,532	434,596 49,098 45,655 51,598 228,195 10,028 2,427 52,825	2,623,015 182,914 110,120 53,965 1,964,557 19,181 2,185 510,151	<b>KILOWATT-HEURE CONSOMMES AU CANADA</b> ..... (MILLIERS) Service domestique ..... Eclairage commercial ..... Petite force motrice ..... Gross force motrice ..... Eclairage des rues ..... Service gratuit (autre que l'éclairage des rues) ..... Pertes ....

\* Exclut les exportations par d'autres provinces et/ou aux Etats-Unis.

TABLE 15 - FUEL, 1942.

	Bituminous Coal Charbon bitumineux			
	Canadian - Canadien		Imported - Importé	
	Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
	Tons Tonnes	\$	Tons Tonnes	\$
CANADA .....	458,688	2,029,075	301	2,787
Prince Edward Island .....	10,028	67,250	-	-
Nova Scotia .....	186,805	856,159	-	-
New Brunswick .....	89,134	439,582	-	-
Quebec .....	-	-	301	2,787
Ontario .....	561	5,098	-	-
Manitoba .....	5,291	21,835	-	-
Saskatchewan .....	116,621	535,526	-	-
Alberta .....	33,228	44,805	-	-
British Columbia and Yukon .....	17,020	60,840	-	-
	Fuel Oil and Diesel Oil Mazout et huile diesel		Wood Bois	
	Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
	Gal. Gal.	\$	Cords Cordes	\$
CANADA .....	8,103,277	721,992	6,217	27,015
Prince Edward Island .....	271,702	29,518	160	800
Nova Scotia .....	184,424	18,630	-	-
New Brunswick .....	103,250	11,308	-	-
Quebec .....	426,732	42,424	102	564
Ontario .....	165,954	18,122	-	-
Manitoba .....	233,676	45,759	5,755	25,351
Saskatchewan .....	3,451,958	297,725	200	500
Alberta .....	447,289	62,301	-	-
British Columbia and Yukon .....	2,838,292	196,227	-	-

Note: Tons = 2,000 lbs.  
Gallons - Imperial  
Cords = 128. cu. feet.

TABLEAU 15 - COMBUSTIBLE, 1942

<u>Lignite Coal</u> Charbon Lignite		<u>Gasolene</u> Gasoline		<u>Kerosene</u> Kérosène	
Canadian - Canadien		Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
		Tons Tonnes	\$	Gal. Gal.	\$
259,726	537,709	17,365	3,808	9,342	1,638
-	-	120	58	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	745	195	-	-
-	-	280	56	-	-
-	-	440	147	100	16
95,917	215,756	9,196	1,918	79	27
165,809	321,955	6,056	1,257	9,165	1,595
-	-	528	199	-	-
<u>Manufactured Gas</u> Gaz fabriqué		<u>Natural Gas</u> Gaz naturel		<u>Other Fuel</u> Autre combustible	Total
Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur	Value Valeur	Value Valeur
1,000 cu. ft. 1,000 pds.cu.	\$	1,000 cu. ft. 1,000 pds.cu.	\$	\$	\$
5,222,550	62,126	63,459,682	82,520	21,455	3,490,125
-	-	-	-	-	97,586
5,222,000	62,000	-	-	200	956,989
-	-	-	-	-	450,890
-	-	-	-	-	45,968
-	-	-	-	-	21,276
-	-	-	-	6,655	99,743
-	-	-	-	-	1,051,250
550	126	63,459,682	82,520	-	514,557
-	-	-	-	14,600	271,866

Note: Tonne = 2,000 livres.

Gallon = Impérial.

Corde = 128 pds. cu.

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