

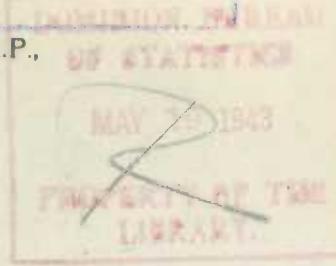
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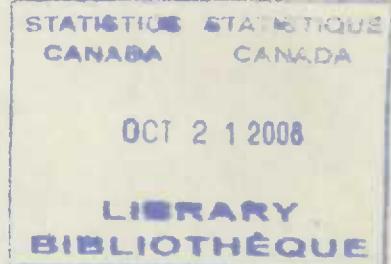
DEPARTMENT OF TRADE AND COMMERCE

DOMINION BUREAU OF STATISTICS

TRANSPORTATION & PUBLIC UTILITIES BRANCH

CENSUS OF INDUSTRY

1941



CENTRAL ELECTRIC STATIONS  
IN CANADA

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



OTTAWA  
1943

Price 25 cents

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Minister of Trade and Commerce.

**DOMINION BUREAU OF STATISTICS**  
**TRANSPORTATION AND PUBLIC UTILITIES BRANCH**  
**OTTAWA**

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CENTRAL ELECTRIC STATION INDUSTRY, 1941.

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. Twelve of them purchased all their electric energy and the remaining nine generated only 9,057,000 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 also, as shown by the monthly reports for 1942, has been the transfer of secondary power to firm power uses. The firm power produced for use in Canada 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, and 17.0 p.c. in 1942, or a total increase in 1942 over 1938 of 80 p.c. Increased diversion of water at Niagara Falls under agreement with the United States Government was a factor in the increased production and the majority of the large plants were producing at their full capacity with the water available.

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	1938	1939	1940	1941
January	603,778	607,070	571,502	254,150
February	530,471	605,257	546,239	221,700
March	574,663	619,756	484,192	235,323
April	480,828	527,079	443,481	335,38
May	453,897	578,058	588,189	388,909
June	375,160	526,652	575,863	205,865
July	393,922	488,165	565,869	229,452
August	438,746	505,652	414,632	164,271
September	508,344	590,900	326,025	270,359
October	565,342	684,433	297,519	335,863
November	622,047	685,441	309,146	407,939
December	582,857	615,246	300,526	331,706
TOTAL	6,130,055	7,033,709	5,423,183	3,381,435

✓ Revised

The pulp and paper industry used 61 p.c. of this power, viz: 2,063,233,000 kw.hrs. in their electric boilers and this industry also purchased 5,139,291,000 kw. hrs. for power and light, making a total of 7,202,524,000 kw.hrs., or 22 p.c. of the total output of all central electric stations in 1941.

The following table shows the consumption of electricity in each province, computed by adding to the production all imports into each province and deducting all exports. Because of the large decreases in use of secondary power the increases in total consumption do not indicate the true importance in the increases. In Quebec firm power consumption increased by 3,139,569,000 kw. hrs. or 37.6 p.c., and in Ontario by 2,250,698,000 kw. hrs. or 14.0 p.c. In the other provinces secondary power consumption was not so large nor did it undergo such variations.

CONSUMPTION OF ELECTRIC ENERGY IN CANADA (INCLUDING LINE LOSSES)

(Thousands of Kilowatt Hours)

	Secondary Power Delivered to Consumers in Canada	Other Uses and Line Losses	Total		Changes	
			1941	1941	1941	vs. 1940
					Kw.hrs.	p.c.
P. E. Island ....	...	11,869	11,869	8,285	+ 3,584	43.26
Nova Scotia ....	2,568	477,609	480,177	444,061	+ 36,116	8.13
New Brunswick ...	31,697	483,518	515,215	453,561	+ 61,654	13.59
Quebec .....	1,947,160	11,496,991	13,444,151	11,998,869	+ 1,445,282	12.05
Ontario .....	945,169	10,653,021	11,598,190	10,738,715	+ 859,475	8.00
Manitoba .....	451,957	1,474,054	1,926,011	1,746,909	+ 179,102	10.25
Saskatchewan ....	...	196,378	196,378	175,924	+ 20,454	11.63
Alberta .....	...	322,688	322,688	276,579	+ 46,109	16.67
British Columbia and Yukon ...	2,884	2,466,541	2,469,425	2,134,906	+ 334,519	15.67
CANADA .....	3,381,435	27,582,669	30,964,104	27,977,809	+ 2,986,295	10.67

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 fiscal year ended March 31, 1941, the export duty amounted to \$560,047 as against \$443,783 for the previous year. 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 1941, 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 1941)

Company	Produced for Export	Exported
	Kw. h.	Kw. h.
Hydro Electric Power Commission of Ontario .....	398,145,800	393,750,900
" " " " " (surplus)-Niagara..	644,538,600	633,746,900
" " " " " " Cornwall	311,271,660	273,630,473
Cedar Rapids Manufacturing and Power Co., Ltd. .....	668,285,611	636,930,098
Canadian Niagara Power Co., Ltd. ....	368,599,000	350,254,246
" " " " " (Surplus) .....	8,223,200	8,223,200
Ontario and Minnesota Power Co., Ltd. ....	30,222,800	30,222,800
Maine and New Brunswick Electric Power Co. ....	24,497,409	23,492,600
British Columbia Electric Railway Co., Ltd. ....	226,653	207,190
Northport Power and Light Co. ....	335,758	335,758
Southern Canada Power Company .....	1,050,134	1,050,134
Canadian Cottons, Ltd. ....	1,093,680	1,093,680
Northern British Columbia Power Co. ....	23,110	23,110
Fraser Companies, Ltd. ....	5,310,000	5,310,000
Detroit and Windsor Subway Company .....	271,700	271,700
Manitoba Power Commission .....	996,340	996,340
TOTAL .....	2,463,091,455	2,359,539,129
Kilowatt hours produced for export and exported by central electric stations only .....	2,457,781,455	2,354,229,129

Of the total output of 33,317,663,000 kw.h., 32,628,930,000 kw.h., or almost 98 p.c.. was produced by water power, whereas only 644,652,000 kw.h. were produced by plants using only thermal engines and 44,081,000 kw.h. 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 1941, including active and inactive plants, as compiled by the Dominion Water and Power Bureau was 8,845,038 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)	1941 (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	139,217	143,717
New Brunswick .....	68,600	169,100	133,347	133,347
Quebec .....	8,459,000	13,064,000	4,556,943	4,839,543
Ontario .....	5,330,000	6,940,000	2,617,495	2,684,395
Manitoba .....	3,309,000	5,344,500	420,925	420,925
Saskatchewan .....	542,000	1,082,000	90,835	90,835
Alberta .....	390,000	1,049,500	71,997	94,997
British Columbia ...	✓ 7,025,000	✓ 10,998,000	788,763	792,563
Yukon & Northwest Territories ....	294,000	731,000	22,899	22,899
CANADA .....	✓ 25,459,400	✓ 39,511,700	8,845,038	9,225,838

✓ Revised.

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 51,350,000 horse power.

TABLE 1 - COMPARATIVE SUMMARY, 1932-1941

During the year there was an increase of 5 fuel stations but no change was made in the number of hydraulic stations. Capital invested increased by 1.6 p.c. and revenues were larger by \$19,851,581 or 11.9 p.c. The number of domestic customers continued to increase to 1,755,917 or 4.1 p.c. greater than in 1940. Small power customers increased by 933 and large power customers increased by 444 and the power consumed by each class showed increases, consumption by large power customers being up by 11.3 p.c.

TABLE 2 - DOMESTIC SERVICE, 1932-1941

This table shows the number of customers, the consumption, revenue, and averages computed from these for domestic service including farm service for 1941 back to 1932. In all provinces the number of customers increased during this period, the percentages ranging from 17.0 p.c. in Saskatchewan to 51 p.c. in Nova Scotia. The rate of consumption also increased in all provinces, Prince Edward Island leading here with an increase of 133 p.c. All of the provinces showed increased revenues from domestic service. The average annual consumption per customer varied widely, Manitoba leading with an average in 1941 of 4,031 kw.hrs. per customer and New Brunswick showing the smallest consumption at 591 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 50 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 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

/ See 1933 report, page 5, for effect of this omission.

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 1.89 cents per kilowatt hour for all domestic service compares with an average of 3.73 cents or 3.65 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.

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 federal sales tax on domestic bills has not been included in the taxes shown in this table.

TABLE 7 - EMPLOYEES

The net increase in the number of employees during the year was 826, the main increases being in Quebec and Ontario. 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 85.3 p.c. worked 48 hours or less per week.

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

Hours per Week	40 or less	41-43	44	45-47	48	49-50	51-53	54	55	56-59	60 & over	Total
P.E.I.	-	-	-	-	32	-	-	-	1	5	-	38
N.S.	155	7	34	90	485	28	16	43	13	49	148	1,068
N.B.	7	37	1	2	218	1	1	43	1	25	1	337
Quebec	274	-	45	2	3,087	136	9	408	-	81	76	4,118
Ontario	586	23	657	130	3,475	237	37	210	14	186	74	5,629
Manitoba	22	-	99	1	469	94	2	8	-	3	3	701
Sask.	81	1	53	43	210	2	9	54	-	10	26	489
Alberta	100	2	69	1	252	1	-	-	-	-	1	426
B.C. and Yukon	290	-	183	13	742	1	-	1	-	8	2	1,240
CANADA	1,515	70	1,141	282	8,970	500	74	767	29	367	331	14,046
Per cent of Total	10.8	.5	8.1	2.0	63.9	3.5	.5	5.5	.2	2.6	2.4	100.0

TABLE 8 - CUSTOMERS

As explained under table 4, stations are asked for a division of customers into seven classes, but due to inability of many of the stations to make complete segregation between domestic service and farm customers these two have been combined. The number of farm customers reported for 1941 was 109,485 or 6.2 p.c. of the combined domestic and farm customers, and they consumed 127,918,277 kilowatt hours. From the 1931 population census data we know the actual number of farms served was considerably greater than reported by the stations, the difference probably being included with domestic services. Farms close to large urban centres receiving service at rates similar to urban customers still will be classed as domestic customers in many cases. In Ontario where the majority of farm customers are served by the provincial commission and are classed as farm customers the difference from the 1931 census figure was small. In 1941 the Ontario farm customers reported were 65,442 or 60 p.c. of the total. Quebec stations reported 27,413 farm customers. For the other provinces 16,630 were reported, but if the 1931 data can be used as a criterion this is considerably less than the actual number of farms served. Each municipality using electricity for street lighting has been counted as one street lighting customer. In some cases the current was supplied by commercial stations and in others the municipality itself distributed it. The provinces having high percentages of urban populations had the greatest densities of domestic service customers. The average number of domestic service customers per 100 population increased from 14.9 in 1940 to 15.3 in 1941. These averages are based on the Bureau's 1941 census data and each residence or family served is counted as one customer. These averages were first computed for 1920 and since then the average for Canada has increased from 8.86 to 15.3 or by 73 p.c.

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 35,026,000 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 month by month; for December 1942 total secondary power sales were only 31 p.c. of the December 1939 total.

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 and 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 30 p.c. of the total for the Dominion.

DOMESTIC SERVICE, 1941

PROVINCE	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	5,531	5.82	\$ 33.10	5.26	630	37	29.4	0.1
Nova Scotia	69,997	12.11	29.50	4.27	691	84	10.1	1.9
New Brunswick	52,831	11.55	27.16	4.59	591	68	6.1	1.2
Quebec	473,547	14.21	21.33	2.95	724	103	2.6	13.3
Ontario	772,153	20.39	28.47	1.42	2,002	408	13.3	59.9
Manitoba	85,106	11.66	40.80	1.01	4,031	470	17.8	13.3
Saskatchewan	52,695	5.88	41.24	4.78	862	51	23.1	1.8
Alberta	72,422	9.10	33.05	5.03	657	60	14.7	1.8
B.C. & Yukon	171,635	20.86	28.44	2.80	1,016	212	7.1	6.7
CANADA	1,755,917	15.28	27.73	1.89	1,471	225	8.3	100.0

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TABLE 1 - COMPARATIVE SUMMARY, 1932-1941

PRINCIPAL DATA BY CLASS OF STATION	1941	1940	1939	1938	1937
<u>ELECTRIC POWER PLANTS</u>					
Total .....	607	602	611	589	568
Hydraulic .....	313	313	313	313	314
Fuel .....	294	289	298	276	254
Commercial .....	424	421	427	406	389
Municipal .....	183	181	184	183	179
<u>CAPITAL</u>					
Total .....	\$ 1,641,460,451	\$ 1,615,438,140	\$ 1,584,603,211	\$ 1,545,416,592	\$ 1,497,530,231
Commercial .....	\$ 1,054,714,025	\$ 1,049,506,904	\$ 1,014,704,665	\$ 1,002,891,485	\$ 979,950,159
Municipal .....	\$ 586,746,426	\$ 565,931,236	\$ 549,898,546	\$ 542,525,107	\$ 517,380,072
Generating .....	\$ 1,459,900,540	\$ 1,440,026,870	\$ 1,398,838,921	\$ 1,377,120,289	\$ 1,337,599,695
Non-generating .....	\$ 181,559,911	\$ 175,411,270	\$ 167,764,290	\$ 168,296,303	\$ 159,930,536
<u>REVENUE (1)</u>					
Total .....	\$ 186,080,354	\$ 166,228,773	\$ 151,880,969	\$ 144,331,627	\$ 143,546,643
Commercial .....	\$ 111,651,778	\$ 99,887,052	\$ 92,535,049	\$ 87,697,078	\$ 85,283,008
Municipal .....	\$ 74,228,576	\$ 66,341,721	\$ 59,345,920	\$ 56,634,549	\$ 58,263,635
Generating .....	\$ 157,285,409	\$ 139,673,392	\$ 127,483,222	\$ 120,764,339	\$ 120,465,135
Non-generating .....	\$ 28,796,945	\$ 26,555,381	\$ 24,397,747	\$ 23,546,688	\$ 23,081,508
<u>EXPENSES (2)</u>					
Total .....	\$ 117,758,977	\$ 105,044,158	\$ 91,982,372	\$ 87,564,340	\$ 84,185,082
Commercial .....	\$ 60,561,621	\$ 51,990,160	\$ 42,471,534	\$ 41,067,998	\$ 41,132,931
Municipal .....	\$ 57,197,556	\$ 53,053,998	\$ 49,510,838	\$ 46,296,342	\$ 43,052,151
Generating .....	\$ 69,148,513	\$ 60,752,761	\$ 51,570,137	\$ 48,946,422	\$ 46,114,640
Non-generating .....	\$ 48,610,464	\$ 44,291,397	\$ 40,412,235	\$ 38,417,918	\$ 38,070,442
<u>POLE LINE MILEAGE</u>					
Total .....	77,253	75,050	72,132	66,977	63,035
Commercial .....	31,442	30,933	30,288	29,355	28,332
Municipal .....	45,811	44,117	41,844	37,622	34,703
Generating .....	61,495	59,676	57,084	52,373	48,866
Non-generating .....	15,758	15,374	15,048	14,604	14,169
<u>CUSTOMERS</u>					
Total .....	2,081,270	2,006,508	1,941,663	1,873,621	1,805,995
Domestic service (3) .....	1,755,917	1,686,388	1,623,672	1,559,694	1,500,128
Commercial light .....	268,977	265,175	262,590	259,893	252,305
Power (small) .....	44,071	43,138	43,896	41,999	41,415
Power (large) .....	9,934	9,490	9,267	10,152	10,066
Street lighting .....	2,371	2,317	2,238	2,183	2,081
Commercial stations .....	954,906	926,093	889,418	859,506	833,711
Municipal stations .....	1,126,364	1,086,415	1,052,245	1,014,115	972,284
Generating stations .....	1,079,233	1,032,433	998,067	954,797	916,648
Non-generating stations .....	1,002,037	982,075	943,596	918,824	889,347
<u>ELECTRIC ENERGY GENERATED</u>					
Total Kilowatt Hours (thousands) .....	33,317,663	30,109,283	28,338,030	26,154,160	27,687,645
Commercial .....	24,793,715	22,287,270	21,290,930	19,488,523	20,315,627
Municipal .....	8,523,948	7,822,013	7,047,100	6,665,837	7,372,018
Exports to the United States (4) ... (thousands) Kw.h. ....	2,354,229	2,132,129	1,908,756	1,822,103	1,843,227
Imports from the United States (4) (thousands) Kw.h. ....	670	655	666	624	1,317
<u>EQUIPMENT IN GENERATING STATIONS (MAIN PLANT ONLY)</u>					
Total Primary Power .....H.P.	8,157,585	7,935,867	7,607,122	7,476,976	7,342,085
Total in commercial stations .....H.P.	5,917,160	5,708,664	5,385,632	5,300,183	5,203,529
Total in municipal stations .....H.P.	2,240,425	2,227,203	2,221,390	2,176,793	2,138,556
Total Secondary Power .....Kv.A.	6,851,785	6,691,211	6,435,416	6,327,868	6,206,465
Total in commercial stations .....Kv.A.	5,054,727	4,906,268	4,654,745	4,586,273	4,496,443
Total in municipal stations .....Kv.A.	1,797,058	1,784,943	1,780,671	1,741,595	1,710,022
<u>AUXILIARY PLANT EQUIPMENT</u>					
Primary power .....H.P.	194,651	194,914	194,139	195,628	197,350
Secondary power .....Kv.A.	166,021	166,367	165,785	166,660	167,839

(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, 1932-1941

1936	1935	1934	1933	1932	DONNEES PRINCIPALES PAR CLASSES D'USINES
561 312 249 390 171	566 316 250 397 169	573 314 259 402 171	575 314 261 403 172	572 312 260 402 170	<u>USINES ELECTRIQUES</u> <u>Total</u> Hydrauliques A combustible Commerciales Municipales
1,485,116,649 957,466,865 525,649,784 1,326,820,103 156,296,546	1,459,821,168 962,263,142 497,558,026 1,307,710,173 152,110,995	1,430,852,166 956,382,436 474,469,760 1,281,046,508 149,803,863	1,386,532,055 913,946,955 472,585,102 1,240,169,785 146,362,270	1,335,886,987 880,015,400 455,873,587 1,191,499,567 144,387,420	<u>CAPITAL</u> <u>Total</u> Commerciales Municipales Génératrices Non-génératrices
135,865,173 78,882,504 56,982,669 112,776,015 23,089,158	127,177,954 79,541,554 47,836,400 105,638,584 21,539,370	124,463,613 77,305,001 47,154,612 104,089,041 20,374,572	117,532,081 73,082,078 44,450,003 98,755,084 18,796,997	121,212,679 73,124,089 48,088,590 100,821,712 20,390,967	<u>RECETTES (1)</u> <u>Total</u> Commerciales Municipales Génératrices Non-génératrices
77,939,050 56,530,527 41,408,523 41,390,019 56,549,031	79,625,134 35,836,054 45,789,080 43,904,771 35,720,563	75,948,821 31,778,237 44,170,584 40,911,118 35,037,703	73,051,651 29,169,633 43,882,018 38,608,455 34,443,196	74,306,251 30,349,320 43,956,951 40,262,157 34,044,094	<u>DEPENSES (2)</u> <u>Total</u> Commerciales Municipales Génératrices Non-génératrices
59,436 27,271 32,165 45,099 14,337	57,602 26,520 31,082 43,372 14,230	56,214 26,476 29,738 42,537 13,677	56,570 25,129 31,441 43,625 12,945	53,845 25,010 28,835 40,675 13,170	<u>LIGNES SUR POTEAUX</u> <u>Total</u> Commerciales Municipales Génératrices Non-génératrices
1,740,793 1,443,059 249,144 40,742 9,840 2,008	1,694,703 1,401,983 240,468 40,292 9,989 1,971	1,660,079 1,379,153 229,187 41,429 8,325 1,985	1,666,882 1,371,806 244,283 40,641 8,160 1,992	1,657,454 1,357,462 248,487 28,942 20,593 1,970	<u>ABONNES</u> <u>Total</u> Service domestique (3) Éclairage commercial Force motrice (petite) Force motrice (grosse) Éclairage des rues
802,676 935,117 866,407 874,386	779,400 915,505 837,278 857,425	760,462 899,617 819,419 840,660	776,581 890,301 843,324 823,558	776,400 881,054 846,420 811,034	Usines commerciales Usines municipales Usines génératrices Usines non-génératrices
25,402,282 18,515,225 6,887,057	23,283,033 17,767,949 5,515,084	21,197,124 16,060,883 5,136,241	17,538,990 13,665,974 3,673,016	16,052,057 12,538,216 3,713,841	<u>ENERGIE ELECTRIQUE GENEREE</u> <u>Total Kw. heures générées (milliers)</u> Commerciales Municipale
1,573,980 765	1,559,021 656	1,243,079 642	983,561 608	659,691 552	Exportations d'électricité aux Etats-Unis (4) .....(milliers) Kw.h. Importations d'électricité des Etats-Unis (4) .....(milliers) Kw.h.
7,119,272 5,012,968 2,106,504 6,025,999 4,340,869 1,685,130	7,104,142 5,138,200 1,965,942 5,693,984 4,317,823 1,576,161	6,854,161 4,961,639 1,892,522 5,699,955 4,179,536 1,520,419	6,616,006 4,707,096 1,908,910 5,491,685 3,856,475 1,535,210	6,343,654 4,577,493 1,766,181 5,278,204 3,850,009 1,428,195	<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.
200,621 172,327	206,831 176,890	207,431 177,244	193,569 164,732	184,879 157,077	<u>OUTILLAGE D'USINES AUXILIAIRES</u> Force motrice primaire ..... H.P. Force motrice secondeaire ..... 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.

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

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

TABLE 2 - DOMESTIC SERVICE, 1932 - 1941

	<u>Year</u>	<u>Number of Customers</u>	<u>Kilowatt Hours Consumed</u>	<u>Revenue</u>	<u>Kw. Hours per Customer</u>	<u>Average Annual Bill</u>	<u>Revenue per Kilowatt Hour</u>
	<u>Annee</u>	<u>Nombre d'usagers</u>	<u>Kilowatt heures consommés</u>	<u>Révenues</u>	<u>Consommation moyenne annuelle par usager</u>	<u>Compte moyen de l'année</u>	<u>Moyenne par kilowatt heure</u>
<b>CANADA</b>	1932	1,357,462	(000)	\$	kW. hrs.	\$	\$
	1933	1,371,806	1,639,498	36,422,073	1,208	26.83	2.22
	1934	1,379,153	1,650,595	35,953,823	1,203	26.21	2.18
	1935	1,401,983	1,717,090	36,507,822	1,245	26.47	2.13
	1936	1,443,059	1,769,848	37,773,643	1,262	26.23	2.08
	1937	1,443,059	1,887,118	38,393,102	1,308	26.61	2.03
	1938	1,500,128	2,007,485	39,253,133	1,338	26.17	1.96
	1939	1,553,594	2,172,500	41,302,107	1,393	26.49	1.90
	1940	x 1,686,388	2,310,891	43,793,482	1,423	26.97	1.90
	1941	1,755,917	2,436,572	46,444,357	x 1,445	x 27.54	1.91
			2,582,405	48,683,162	1,471	27.73	1.89
Change (Changement) 1932-1941		398,455	942,997	12,261,089	263	.90	-.33
Amount (Volume)			57.51	33.68	21.77	3.35	-.14.86
Per cent (p.c.)							
<b>PRINCE EDWARD ISLAND</b>	1932	3,978	1,498	129,835	377	32.63	8.67
	1933	3,970	1,584	135,231	399	34.06	8.54
	1934	4,097	1,605	133,843	392	32.67	8.34
	1935	4,199	1,722	134,740	410	32.08	7.92
	1936	4,379	2,035	145,442	465	33.21	7.15
	1937	4,545	2,232	152,680	491	33.59	6.84
	1938	4,799	2,579	150,994	537	31.46	5.85
	1939	5,067	2,908	163,226	574	32.21	5.61
	1940	5,227	3,078	172,643	588	33.03	5.61
	1941	5,531	3,483	183,090	630	33.10	5.26
Change (Changement) 1932-1941		1,553	1,985	53,255	253	.47	-.3.41
Amount (Volume)			132.51	41.02	67.11	1.44	-.39.33
Per cent (p.c.)							
<b>NOVA SCOTIA</b>	1932	46,421	21,213	1,201,279	457	25.88	5.66
	1933	47,124	21,800	1,199,951	463	25.46	5.50
	1934	48,852	23,637	1,257,599	484	25.74	5.32
	1935	52,300	25,937	1,330,632	496	25.44	5.13
	1936	54,763	29,212	1,457,064	533	26.61	4.99
	1937	58,165	31,692	1,555,290	545	26.40	4.84
	1938	58,556	35,307	1,595,086	605	27.24	4.52
	1939	62,034	39,084	1,705,507	630	27.56	4.37
	1940	x 65,790	43,277	1,877,812	x 658	x 28.54	4.34
	1941	69,997	48,357	2,065,057	691	29.50	4.27
Change (Changement) 1932-1941		23,576	27,144	863,778	234	3.62	-.1.39
Amount (Volume)			127.96	71.90	51.20	13.99	-.24.56
Per cent (p.c.)							
<b>NEW BRUNSWICK</b>	1932	35,543	19,230	971,597	541	27.54	5.05
	1933	34,959	18,740	954,423	536	27.30	5.09
	1934	35,364	19,607	962,212	554	27.21	4.91
	1935	36,602	20,597	994,895	563	27.18	4.83
	1936	36,660	22,049	1,068,038	570	27.63	4.84
	1937	41,604	23,488	1,117,955	565	26.87	4.76
	1938	43,556	25,367	1,232,937	582	28.31	4.86
	1939	46,485	26,989	1,307,772	581	28.13	4.85
	1940	50,681	29,588	1,413,237	580	27.88	4.81
	1941	52,831	31,234	1,435,015	591	27.16	4.59
Change (Changement) 1932-1941		17,288	12,004	463,418	50	-.18	-.46
Amount (Volume)			62.42	47.70	9.24	-.66	-.9.11
Per cent (p.c.)							
<b>QUEBEC</b>	1932	385,211	239,052	8,210,401	621	21.31	3.43
	1933	385,175	240,110	7,795,948	623	20.24	3.25
	1934	378,705	237,322	7,776,391	627	20.53	3.28
	1935	378,388	226,285	7,297,458	598	19.23	3.22
	1936	390,711	241,799	7,723,973	619	19.77	3.19
	1937	407,155	265,405	8,108,946	652	19.92	3.06
	1938	421,178	287,107	8,669,034	682	20.58	3.02
	1939	434,825	311,420	9,167,584	716	21.08	2.94
	1940	451,791	324,032	9,634,398	717	21.32	2.97
	1941	473,547	342,627	10,100,300	724	21.33	2.95
Change (Changement) 1932-1941		88,536	103,595	1,889,899	103	.02	-.48
Amount (Volume)			43.34	23.02	16.59	.09	-.13.99
Per cent (p.c.)							

x - Revised.

TABLEAU 2 - SERVICE DOMESTIQUE, 1932 - 1941

	Year Année	Number of Customers Nombre d'usagers	Kilowatt Hours Consumed Kilowatt heures consommées	Revenue Recettes	Kw. Hours per Customer Consommation moyenne annuelle par usager	Average Annual Bill Compte moyen de l'année	Revenue per Kilowatt Hour Moyenne par kilowatt heure
		(000)	\$	kw. hrs.	\$	\$	\$
<u>ONTARIO</u> .....	1932	585,343	912,169	16,170,224	1,558	27.63	1.77
	1933	598,347	917,649	16,262,707	1,534	27.18	1.77
	1934	605,885	980,978	16,811,849	1,619	27.75	1.71
	1935	618,111	1,023,929	17,171,434	1,657	27.76	1.68
	1936	634,052	1,096,598	17,716,636	1,753	27.94	1.61
	1937	660,262	1,174,358	17,718,464	1,779	26.94	1.51
	1938	691,498	1,285,568	18,456,575	1,859	26.69	1.44
	1939	719,871	1,374,325	19,657,658	1,909	27.31	1.45
	1940	745,396	1,459,253	20,928,097	1,958	28.08	1.45
	1941	772,153	1,546,189	21,980,031	2,002	28.47	1.42
Change (Changement) 1932-1941		186,810	634,020	5,809,807	444	.84	-.35
Amount (Volume)					28.50	3.04	-.19.77
Per cent (p.c.)		31.91	69.51	35.93			
<u>MANITOBA</u> .....	1932	71,954	270,272	2,873,481	3,756	39.93	1.06
	1933	72,935	275,048	2,743,877	3,771	37.82	1.00
	1934	73,545	282,067	2,782,475	3,835	37.83	0.99
	1935	74,538	289,314	2,914,963	3,881	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	40.81	1.05
	1938	77,762	311,795	3,223,805	4,010	41.45	1.05
	1939	81,091	320,827	3,311,662	3,956	40.84	1.05
	1940	85,404	330,269	3,423,512	3,960	41.04	1.04
	1941	85,106	343,041	3,472,277	4,031	40.80	1.01
Change (Changement) 1932-1941		13,152	72,769	598,796	275	.87	-.05
Amount (Volume)					7.32	2.18	-.4.72
Per cent (p.c.)		18.28	26.92	20.84			
<u>SASKATCHEWAN</u> .....	1932	44,952	36,142	1,802,758	804	40.10	4.99
	1933	44,319	36,317	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	1,795,685	779	39.51	5.07
	1936	46,478	36,044	1,851,794	776	39.84	5.14
	1937	46,630	37,284	1,852,603	798	39.73	4.98
	1938	48,060	39,077	1,903,731	813	39.61	4.87
	1939	49,980	41,198	2,004,433	824	40.10	4.87
	1940	51,425	43,406	2,093,205	844	40.70	4.82
	1941	52,695	45,446	2,173,255	862	41.24	4.78
Change (Changement) 1932-1941		7,743	9,306	370,497	58	1.14	-.21
Amount (Volume)					7.21	2.84	-.4.21
Per cent (p.c.)		17.23	25.75	20.55			
<u>ALBERTA</u> .....	1932	57,459	29,792	1,714,412	518	29.84	5.75
	1933	57,330	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	59,600	35,481	1,789,422	562	30.02	5.34
	1937	61,121	35,389	1,865,520	578	30.52	5.28
	1938	63,030	36,089	1,983,226	604	31.46	5.21
	1939	68,267	42,210	2,145,093	618	31.42	5.08
	1940	69,397	45,110	2,275,091	650	32.78	5.04
	1941	72,422	47,572	2,393,189	657	33.05	5.03
Change (Changement) 1932-1941		14,963	17,780	678,777	139	3.21	-.72
Amount (Volume)					26.83	10.76	-.12.52
Per cent (p.c.)		26.04	59.68	39.59			
<u>BRITISH COLUMBIA</u> and <u>YUKON</u> .....	1932	126,601	110,150	3,548,086	870	26.45	5.04
	1933	127,647	109,479	3,557,638	858	26.30	5.07
	1934	129,837	106,590	3,277,787	821	25.25	5.08
	1935	134,267	115,026	3,419,710	857	25.47	5.97
	1936	138,558	127,788	3,617,603	922	26.11	5.85
	1937	144,130	134,414	3,779,392	955	26.22	5.81
	1938	150,955	147,613	4,086,919	978	27.07	5.77
	1939	156,052	151,930	4,326,747	974	27.73	5.85
	1940	163,277	158,781	4,626,562	972	28.34	5.91
	1941	171,635	174,454	4,880,948	1,016	28.44	5.80
Change (Changement) 1932-1941		45,034	64,304	1,532,862	146	1.99	-.24
Amount (Volume)					16.78	7.52	-.7.90
Per cent (p.c.)		35.57	58.38	45.78			

TABLE 3 - ELECTRIC POWER PLANTS, 1941

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
Total number of generating stations .....	607	9	47	13	96	
Per cent of total for Canada .....	100.00	1.48	7.74	2.14	15.82	
<u>COMMERCIAL</u> .....	424	7	20	7	80	
Hydraulic .....	205	5	12	4	78	
Fuel .....	219	2	8	3	2	
<u>MUNICIPAL</u> .....	183	2	27	6	16	
Hydraulic .....	108	-	20	3	14	
Fuel .....	75	2	7	3	2	
With water wheels and turbines .....	313	5	32	7	92	
With steam engines only .....	29	-	2	1	-	
With steam turbines only .....	24	1	6	1	1	
With gas or oil engines only .....	237	3	7	3	3	
With both steam engines and turbines .....	4	-	-	1	-	
With both steam and gas or oil engines .....	-	-	-	-	-	
With alternating current dynamos only .....	467	9	46	11	95	
With direct current dynamos only .....	137	-	1	1	1	
With both alternating and direct current dynamos	3	-	-	1	-	
<u>COMMERCIAL ORGANIZATIONS</u> .....	X 399	8	18	14	68	
Number generating power .....	295	6	11	6	41	
Number buying power for redistribution .....	104	2	7	8	27	
<u>MUNICIPALITIES</u> .....	X 461	2	24	10	29	
Number generating power .....	71	2	8	2	10	
Number buying power for redistribution .....	390	-	16	8	19	
<u>AUXILIARY PLANTS</u> .....	64	2	9	2	9	
To hydraulic stations .....	43	2	3	-	8	
To non-generating stations .....	21	-	6	2	1	

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

TABLEAU 3 - USINES GENERATRICES, 1941

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
136	23	142	72	69	<u>Nombre d'usines génératrices</u>
22.41	3.79	23.39	11.86	11.37	Pourcentage du total pour le Canada
63	14	110	62	61	<u>COMMERCIALES</u>
58	4	-	4	40	Hydrauliques
5	10	110	58	21	A combustible
73	9	32	10	8	<u>MUNICIPALES</u>
64	2	-	-	5	Hydrauliques
9	7	52	10	3	A combustible
122	6	-	4	45	Avec roues et turbines hydrauliques
9	3	1	8	5	Avec machines à vapeur seulement
-	1	7	4	3	Avec turbines à vapeur seulement
5	13	133	54	16	Avec moteurs à gaz ou à pétrole seulement
-	-	1	2	-	Avec machines et turbines à vapeur à la fois
-	-	-	-	-	Avec machines à vapeur à gaz et à pétrole
134	21	50	36	65	Avec dynamos à courant alternatif seulement
2	1	92	35	4	Avec dynamos à courant direct seulement
-	1	-	1	-	Avec dynamos à courant alternatif et direct
63	17	92	64	55	<u>USINES COMMERCIALES</u>
39	10	90	53	39	Nombre d'usines génératrices
24	7	2	11	16	Nombre d'usines achetant de l'électricité pour la revendre
330	10	24	15	17	<u>MUNICIPALITES</u>
14	5	16	8	6	Nombre d'usines génératrices
316	5	8	7	11	Nombre d'usines achetant de l'électricité pour la revendre
8	6	-	8	20	<u>USINES AUXILIAIRES</u>
5	2	-	8	15	Aux usines hydrauliques
3	4	-	-	5	Aux usines non-génératrices

X - 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, 1941

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<b>TOTAL CAPITAL .....</b>	\$ 1,641,460,451	\$ 1,544,150	\$ 40,196,737	\$ 33,622,790	\$ 715,248,667	
Per cent of total for Canada .....	100.00	0.09	2.45	2.05	43.58	
Generation .....	951,378,908	787,825	23,602,792	23,100,015	499,104,367	
Transmission and distribution .....	570,164,086	628,523	13,776,977	9,237,160	162,710,613	
General .....	119,917,457	127,802	2,816,968	1,285,615	53,433,687	
<b>TOTAL CAPITAL IN COMMERCIAL STATIONS .....</b>	1,054,714,025	1,235,779	19,281,468	22,815,678	705,486,715	
Generation .....	708,836,156	597,733	8,701,986	18,602,400	494,210,975	
Transmission and distribution .....	266,878,669	584,308	8,247,325	3,485,004	158,510,005	
General .....	79,001,200	103,738	2,332,157	728,274	52,765,735	
Non-generating stations .....	44,598,950	5,500	7,879,357	1,750,581	665,237	
Generating stations .....	1,010,115,075	1,230,279	11,402,111	21,065,097	704,821,478	
Hydraulic stations .....	984,875,531	133,743	6,236,165	17,767,214	704,735,044	
Fuel stations .....	25,239,544	1,096,536	5,165,946	3,297,883	86,434	
<b>TOTAL CAPITAL IN MUNICIPAL STATIONS .....</b>	586,746,426	308,371	20,915,269	10,807,112	9,761,952	
Generation .....	242,542,752	190,092	14,900,806	4,497,615	4,893,392	
Transmission and distribution .....	303,287,417	94,215	5,529,652	5,752,156	4,200,808	
General .....	40,916,257	24,064	484,811	557,341	667,952	
Non-generating stations .....	136,960,961	-	2,083,308	1,450,522	2,706,113	
Generating stations .....	449,785,465	308,371	18,831,961	9,356,590	7,055,839	
Hydraulic stations .....	423,149,907	-	17,454,192	2,829,290	6,728,809	
Fuel stations .....	26,635,558	308,371	1,377,769	6,527,300	327,030	
<b>TOTAL CAPITAL IN NON-GENERATING STATIONS .....</b>	181,559,911	5,500	9,962,665	3,201,103	3,371,350	
Generation .....	3,561,883	-	1,775,199	288,776	696,888	
Transmission and distribution .....	149,532,978	5,500	6,140,604	2,361,199	2,475,776	
General .....	28,465,050	-	2,046,862	551,128	198,686	
<b>TOTAL CAPITAL IN GENERATING STATIONS .....</b>	1,459,900,540	1,538,650	30,234,072	30,421,687	711,877,317	
Generation .....	947,817,025	787,825	21,827,593	22,811,239	498,407,479	
Transmission and distribution .....	420,631,108	623,023	7,636,373	6,875,961	160,234,837	
General .....	91,452,407	127,802	770,106	734,487	53,235,001	
Hydraulic stations .....	1,408,025,438	133,743	23,690,357	20,596,504	711,463,853	
Fuel stations .....	51,875,102	1,404,907	6,543,715	9,825,183	413,464	
<b>TOTAL CAPITAL .....</b>						
Average per H.P. of primary power .....	201	168	235	241	175	
Average per H.P. including auxiliary equipment .....	197	165	216	236	174	
Average per Kv.A. of dynamo capacity .....	240	222	278	283	201	
Average per Kv.A including auxiliary equipment .....	234	221	259	278	200	
<b>GENERATION</b>						
<b>Average cost per H.P. (including auxiliary equipment)</b>						
In all generating stations .....	114	84	126	163	121	
In hydraulic stations .....	116	140	171	177	121	
In fuel stations .....	73	80	59	119	85	

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

TABLEAU 4 - CAPITAL, 1941

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
\$	\$	\$	\$	\$	
590,680,445	X 78,982,909	27,329,710	30,086,170	123,768,873	<u>TOTAL CAPITAL</u> Pourcentage du total pour le Canada
35,99	4,81	1,66	1,83	7,54	Génération
271,995,469	43,743,096	13,324,858	12,963,655	62,756,831	Transmission et distribution
277,837,033	51,091,093	12,252,555	15,411,668	47,218,464	Généralités
40,847,943	4,148,720	1,752,297	1,710,847	13,793,578	
106,515,222	41,496,779	12,832,109	23,461,135	121,589,140	<u>TOTAL CAPITAL DANS LES USINES COMMERCIALES</u>
78,212,095	29,928,522	6,039,440	10,537,910	62,005,095	Génération
21,975,322	10,826,085	5,616,299	11,767,205	45,915,116	Transmission et distribution
6,327,805	742,172	1,176,370	1,156,020	13,668,929	Généralités
2,822,667	1,460,669	1,779,518	122,579	28,112,842	Usines non-génératrices
103,692,555	40,036,110	11,052,591	23,338,556	95,476,298	Usines génératrices
103,674,603	39,649,710	-	19,939,081	92,739,971	Usines hydrauliques
17,952	586,400	11,052,591	3,399,475	736,327	Usines à combustible
484,165,223	37,486,130	14,497,601	6,625,035	2,179,733	<u>TOTAL CAPITAL DANS LES USINES MUNICIPALES</u>
193,783,374	13,814,574	7,285,418	2,425,745	751,736	Génération
255,861,711	20,265,008	6,636,256	3,644,463	1,503,548	Transmission et distribution
34,520,138	3,406,548	575,927	554,827	124,649	Généralités
118,753,869	7,025,743	1,572,143	2,275,104	1,094,159	Usines non-génératrices
365,411,354	30,460,387	12,925,458	4,349,931	1,085,574	Usines génératrices
365,213,064	29,931,567	-	-	992,985	Usines hydrauliques
198,290	528,820	12,925,458	4,349,931	92,589	Usines à combustible
121,576,538	8,486,412	3,351,661	2,397,683	29,207,001	<u>TOTAL CAPITAL DANS LES USINES NON-GÉNÉRATRICES</u>
165,248	398,152	-	-	237,620	Génération
102,580,082	6,901,886	3,041,689	2,176,312	24,049,930	Transmission et distribution
19,031,206	1,186,374	309,972	221,371	4,919,451	Généralités
469,103,909	70,496,497	23,978,049	27,688,487	94,561,872	<u>TOTAL CAPITAL DANS LES USINES GÉNÉRATRICES</u>
271,830,221	43,344,944	13,324,858	12,963,655	62,519,211	Génération
175,456,951	24,189,207	9,210,866	13,235,356	23,168,534	Transmission et distribution
21,816,757	2,962,346	1,442,325	1,489,476	8,874,127	Généralités
468,887,667	69,581,277	-	19,939,081	93,732,956	Usines hydrauliques
216,242	915,220	23,978,049	7,749,406	828,916	Usines à combustible
					<u>TOTAL CAPITAL</u>
258	154	165	205	192	Moyenne par H.P. de la machinerie d'énergie primaire
254	145	165	181	178	Moyenne par H.P. y compris machinerie auxiliaire
321	192	196	250	238	Moyenne par Kv.A. de la capacité des dynamos
316	180	196	219	220	Moyenne par Kv.A. y compris machinerie auxiliaire
					<u>GENÉRATION</u>
					<u>Moyenne par H.P. y compris machinerie auxiliaire</u>
117	80	80	78	90	Dans les usines génératrices
117	80	-	109	90	Dans les usines hydrauliques
121	131	80	44	80	Dans les usines à combustible

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

TABLE 5 - REVENUE, 1941 (1)

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>REVENUE FROM SALE OF ELECTRIC ENERGY</u> .....	\$ 186,080,354	\$ 427,499	\$ 7,082,788	\$ 4,502,354	\$ 70,164,686	
For domestic service .....	48,683,162	183,090	2,065,057	1,455,015	10,100,300	
For commercial light .....	29,414,030	117,573	1,282,711	734,496	8,763,124	
For power (small) .....	11,088,238	36,052	489,335	269,350	2,631,602	
For power (large) .....	91,826,090	71,523	3,046,433	1,928,014	47,393,417	
For street lighting .....	5,068,834	19,261	199,252	135,479	1,276,243	
<u>REVENUE OF COMMERCIAL STATIONS</u> .....	\$ 111,851,778	\$ 315,542	\$ 4,692,645	\$ 2,627,532	\$ 68,370,000	
Non-generating .....	8,679,429	1,523	2,049,596	460,126	145,352	
Generating .....	103,172,349	314,019	2,643,049	2,167,406	68,224,648	
Hydraulic .....	97,363,343	25,394	928,380	1,592,407	68,195,221	
Fuel .....	5,809,006	288,625	1,714,669	574,999	29,427	
<u>REVENUE OF MUNICIPAL STATIONS</u> .....	\$ 74,228,576	\$ 111,957	\$ 2,390,143	\$ 1,874,822	\$ 1,794,686	
Non-generating .....	20,117,516	-	427,460	467,578	605,426	
Generating .....	54,111,060	111,957	1,962,685	1,407,244	1,103,260	
Hydraulic .....	46,916,354	-	1,669,130	84,731	1,100,310	
Fuel .....	7,194,706	111,957	293,553	1,322,513	88,950	
Revenue of non-generating stations .....	28,796,945	1,523	2,477,056	927,704	750,778	
Revenue of generating stations .....	157,285,408	425,976	4,605,732	3,574,650	69,413,908	
Revenue of hydraulic stations .....	144,279,697	25,394	2,597,510	1,677,138	69,295,531	
Revenue of fuel stations .....	15,003,712	400,582	2,008,222	1,897,512	118,577	
Average revenue per H.P. of primary power .....	22.81	46.40	40.97	52.21	17.20	
Average revenue per H.P. in main and auxiliary plants ...	22.26	45.58	38.13	51.59	17.04	
Average revenue per Kv.A. of dynamo capacity .....	27.16	61.55	49.05	57.88	19.76	
Average revenue per Kv.A. in main and auxiliary plants ..	26.52	61.13	45.62	57.24	19.57	
Average revenue per kilowatt hour consumed ..... Cents	.60	3.60	1.48	.87	.52	
Average revenue per domestic service customer .....	27.75	53.10	29.50	27.16	21.33	
Average revenue per commercial light customer .....	109.36	91.21	117.25	107.80	114.89	
Average revenue per small power customer .....	251.80	255.69	215.76	262.27	259.37	
Average revenue per large power customer .....	9,243.62	8,940.58	17,211.49	9,013.98	55,913.91	
Average revenue per kilowatt hour - domestic and farm service ..... Cents	1.89	5.26	4.27	4.59	2.95	
Average revenue per kilowatt hour - commercial light ..... Cents	2.25	4.73	4.08	3.17	2.70	

/ - Affected by power purchased from another province.

I - Adjusted for power purchased from Quebec plants.

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

TABLEAU 5 - RECETTES, 1941 (1)

	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia and Yukon	
\$	\$	\$	\$	\$	\$	
✓ 76,954,003	9,404,906	5,816,640	✓ 6,750,594	17,524,272		<u>RECETTES PROVENANT DE LA VENTE D'ÉLECTRICITÉ</u>
21,980,031	3,472,277	2,173,255	2,393,189	4,880,948		Pour éclairage domestique
9,671,800	1,814,248	1,708,482	1,799,612	3,521,984		Pour éclairage commercial
4,891,586	542,610	782,355	915,513	729,855		Pour force motrice (petite)
38,212,651	3,532,653	862,689	1,364,180	7,761,918		Pour force motrice (grosse)
2,197,935	243,118	269,879	278,100	429,567		Pour éclairage des rues
13,016,167	4,877,286	2,215,212	3,099,044	16,445,141		<u>RECETTES DES USINES COMMERCIALES</u>
3,014,113	219,717	166,346	94,697	4,964,619		Non-génératrices
10,002,054	4,657,569	2,048,866	3,004,347	11,480,522		Génératrices
9,981,068	4,572,572	-	2,218,483	11,219,949		Hydrauliques
20,986	84,997	2,048,866	785,864	260,573		A combustible
63,937,886	4,527,620	3,601,428	3,651,550	879,131		<u>RECETTES DES USINES MUNICIPALES</u>
14,939,529	951,611	790,092	1,443,975	535,937		Non-génératrices
48,998,307	3,576,009	2,811,336	2,207,575	545,194		Génératrices
48,927,786	3,341,292	-	-	289,610		Hydrauliques
70,521	234,717	2,811,336	2,207,575	53,584		A combustible
17,953,642	1,171,328	956,438	1,538,672	5,500,556		Recettes des usines non-génératrices
59,000,561	8,255,578	4,860,202	5,211,922	11,825,716		Recettes des usines génératrices
58,908,854	7,915,864	-	2,218,483	11,509,559		Recettes des usines hydrauliques
91,507	319,714	4,860,202	2,993,439	314,157		Recettes des usines à combustible
X 23.63	18.35	35.10	45.95	26.84		Moyenne de recettes par H.P. de machinerie primaire
X 23.33	17.30	35.10	40.68	24.90		Moyenne de recettes par H.P. de machinerie principale et auxiliaire
X 30.03	22.88	41.63	56.05	33.24		Moyenne de recettes par Kv.A. de capacité de dynamos
X 29.64	21.38	41.63	49.24	30.86		Moyenne de recettes par Kv.A. de capacité des dynamos, usines principales et auxiliaires
.66	.49	2.96	2.09	.70		Moyenne de recettes par Kw. heure ..... (cents)
28.47	40.33	41.24	33.05	28.44		Moyenne de recettes par abonnés d'éclairage domestique
102.67	100.98	108.51	105.70	122.70		Moyenne de recettes par abonnés d'éclairage commercial
364.64	103.60	286.26	166.64	155.55		Moyenne de recettes par abonnés pour petite force motrice
7,150.17	1,088.64	6,687.51	3,540.97	11,232.88		Moyenne de recettes par abonnés pour grosse force motrice
1.42	1.01	4.78	5.03	2.80		Moyenne de recettes par Kw. heure-service domestique et de ferme ..... (cents)
1.49	2.00	4.92	4.39	5.18		Moyenne de recettes par Kw. heure - service commercial (cents)

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

X - Adjusté pour achats de courant des usines du Québec.

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

TABLE 6 - EXPENSES, 1941

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
<b>TOTAL EXPENSES .....</b>	\$ 117,758,977	\$ 214,365	\$ 5,039,987	\$ 2,058,255	\$ 32,420,426
Per cent of total for Canada .....	100.00	0.18	4.28	1.75	27.53
Salaries and wages .....	31,647,952	76,720	1,336,924	589,911	8,135,372
Fuel .....	2,933,928	82,972	819,205	366,627	43,329
Taxes (x) .....	23,975,176	52,921	1,180,633	258,412	14,794,861
Cost of power .....	59,201,921	1,752	1,725,225	843,305	9,446,864
<b>TOTAL FOR COMMERCIAL STATIONS .....</b>	\$ 60,561,621	\$ 179,663	\$ 3,817,034	\$ 1,161,293	\$ 1,645,698
Salaries and wages .....	15,537,787	66,189	987,500	301,516	7,820,845
Fuel .....	1,644,195	58,801	735,640	156,247	7,150
Taxes .....	22,901,212	52,921	1,140,365	258,279	14,777,111
Cost of power .....	20,478,427	1,752	953,523	445,251	9,040,594
Non-generating stations .....	12,035,516	1,752	2,318,494	669,190	92,303
Generating stations .....	48,526,105	177,911	1,498,540	492,103	31,553,395
Hydraulic stations .....	45,532,546	13,122	391,210	194,756	31,535,109
Fuel stations .....	3,193,559	164,789	1,107,330	297,347	18,286
<b>TOTAL FOR MUNICIPAL STATIONS .....</b>	\$ 57,197,356	\$ 34,702	\$ 1,222,953	\$ 896,962	\$ 774,728
Salaries and wages .....	16,110,165	10,531	349,424	288,395	314,529
Fuel .....	1,289,733	24,171	83,565	210,380	36,179
Taxes .....	1,073,964	-	20,268	133	17,750
Cost of power .....	58,723,494	-	769,696	398,054	406,270
Non-generating stations .....	36,574,948	-	762,420	476,672	440,174
Generating stations .....	20,622,408	34,702	460,533	420,290	534,554
Hydraulic stations .....	17,964,638	-	181,773	15,094	291,863
Fuel stations .....	2,657,770	34,702	278,760	405,196	42,691
<b>TOTAL EXPENSES FOR NON-GENERATING STATIONS .....</b>	\$ 48,610,464	\$ 1,752	\$ 3,080,914	\$ 1,145,862	\$ 552,477
Salaries and wages .....	8,690,063	-	688,776	222,593	151,631
Fuel .....	88,918	-	86,681	-	-
Taxes .....	5,012,556	-	830,682	110,548	9,899
Cost of power .....	56,818,927	1,752	1,474,775	812,725	570,947
<b>TOTAL EXPENSES FOR GENERATING STATIONS .....</b>	\$ 69,148,515	\$ 212,615	\$ 1,959,075	\$ 912,395	\$ 1,887,949
Salaries and wages .....	22,957,889	76,720	648,148	567,318	7,985,741
Fuel .....	2,845,010	82,972	752,524	366,627	43,329
Taxes .....	20,962,620	52,921	329,951	147,866	14,784,962
Cost of power .....	22,382,994	-	246,450	30,582	9,075,917
Hydraulic stations .....	63,297,184	13,122	572,983	209,850	31,826,972
Fuel stations .....	5,851,329	199,491	1,386,090	702,543	60,977

(x) Federal sales tax not included .....

4,160,765      14,802      171,061      115,337      968,127

✓ Includes only the four items listed.

TABLEAU 6 - <sup>✓</sup>DEPENSES, 1941

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
\$	\$	\$	\$	\$	
58,091,118	2,776,039	3,011,918	3,067,766	11,079,105	<u>TOTAL DES DEPENSES</u>
49.55	2.36	2.56	2.80	9.41	Pourcentage du total pour le Canada
14,416,867	1,958,257	1,004,922	1,149,071	2,999,908	Salaires et gages
24,539	78,425	927,455	398,801	192,775	Combustible
2,878,038	216,674	333,773	592,384	5,687,480	Taxes (x)
40,771,874	542,683	745,768	927,510	4,198,940	Achat d'énergie électrique
9,472,631	1,191,876	1,171,044	1,295,878	10,628,504	<u>TOTAL POUR LES USINES COMMERCIALES</u>
1,757,876	756,539	415,882	582,474	2,848,968	Salaires et gages
6,884	15,217	352,131	128,480	183,645	Combustible
2,159,693	126,755	280,658	418,196	3,687,234	Taxes
5,548,178	293,365	122,373	164,728	3,908,657	Achat d'énergie électrique
2,810,394	324,022	112,570	43,691	5,663,100	Usines non-génératrices
6,662,237	867,854	1,058,474	1,250,187	4,965,404	Usines génératrices
6,657,447	826,967	-	866,413	4,847,522	Usines hydrauliques
4,790	40,887	1,058,474	385,774	117,882	Usines à combustible
48,618,487	1,584,163	1,840,874	1,773,888	450,599	<u>TOTAL POUR LES USINES MUNICIPALES</u>
12,658,991	1,181,718	589,040	566,597	150,940	Salaires et gages
17,455	63,208	575,324	270,321	9,130	Combustible
718,345	89,919	53,115	174,188	246	Taxes
55,223,696	249,518	623,395	762,782	290,283	Achat d'énergie électrique
32,244,057	402,689	723,900	1,149,151	375,885	Usines non-génératrices
16,374,430	1,181,474	1,116,974	624,737	74,714	Usines génératrices
16,343,058	1,077,801	-	-	55,049	Usines hydrauliques
51,372	103,675	1,116,974	624,737	19,665	Usines à combustible
55,054,451	726,711	838,470	1,192,842	6,038,985	<u>TOTAL DES DEPENSES DES USINES NON-GENERATRICES</u>
5,780,756	169,259	121,418	245,247	1,310,585	Salaires et gages
1,434	502	-	-	501	Combustible
430,298	14,467	56,965	153,824	1,405,877	Taxes
28,841,963	542,683	658,089	793,771	3,522,224	Achat d'énergie électrique
23,056,667	2,049,528	2,175,448	1,674,924	5,040,118	<u>TOTAL DES DEPENSES DES USINES GENERATRICES</u>
8,636,111	1,768,998	883,504	903,824	1,689,525	Salaires et gages
22,905	78,123	927,455	398,801	192,274	Combustible
2,447,740	202,207	276,810	438,560	2,281,603	Taxes
11,929,911	-	87,679	133,739	876,716	Achat d'énergie électrique
23,000,505	1,904,788	-	866,413	4,902,571	Usines hydrauliques
36,162	144,560	2,175,448	1,008,511	137,547	Usines à combustible

1,766,042      507,452      192,020      196,241      429,681 ..... Taxe fédérale des ventes non comprises. (x)

<sup>✓</sup> Ne comprend que les quatre items énumérés.

TABLE 7 - EMPLOYEES, 1941

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>TOTAL NUMBER OF PERSONS EMPLOYED .....</u>	19,880	68	1,154	522	5,232	
Per cent of total for Canada .....	100.00	0.34	5.80	2.63	26.32	
Officers, clerks, other salaried employees,etc.	7,930	33	389	257	1,646	
Employees on wages .....	11,950	35	765	265	3,586	
<u>TOTAL EMPLOYEES IN COMMERCIAL STATIONS .....</u>	10,014	57	749	256	4,979	
Officers, clerks, other salaried employees,etc.	3,348	22	218	93	1,546	
Employees on wages .....	6,666	35	531	163	3,433	
Non-generating .....	1,313	-	381	107	23	
Generating .....	8,701	57	368	149	4,956	
Hydraulic .....	7,931	11	234	74	4,946	
Fuel .....	770	46	134	75	10	
<u>TOTAL EMPLOYEES IN MUNICIPAL STATIONS .....</u>	9,866	11	405	266	253	
Officers, clerks, other salaried employees,etc.	4,582	11	171	164	100	
Employees on wages .....	5,284	-	234	102	153	
Non-generating .....	4,304	-	95	77	91	
Generating .....	5,562	11	310	189	162	
Hydraulic .....	4,712	-	224	15	156	
Fuel .....	850	11	86	174	6	
<u>TOTAL EMPLOYEES IN NON-GENERATING STATIONS .....</u>	5,617	-	476	184	114	
Officers, clerks, other salaried employees,etc.	2,971	-	219	101	55	
Employees on wages .....	2,646	-	257	83	59	
<u>TOTAL EMPLOYEES IN GENERATING STATIONS .....</u>	14,263	68	678	538	5,118	
Officers, clerks, other salaried employees,etc.	4,959	33	170	156	1,591	
Employees on wages .....	9,304	35	508	182	3,527	
Hydraulic .....	12,643	11	458	89	5,102	
Fuel .....	1,620	57	220	249	16	

TABLEAU 7 - EMPLOYEES, 1941

	Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
	8,337	1,384	656	732	1,795	<u>TOTAL DU PERSONNEL OCCUPE</u>
	41.94	6.96	5.30	3.68	9.05	Pourcentage du total pour le Canada
	3,397	874	260	305	769	Administrateurs, directeurs, commis et tous employés des bureaux
	4,940	510	396	427	1,026	Ouvriers et journaliers
	1,117	487	296	378	1,695	<u>PERSONNEL DES USINES COMMERCIALES</u>
	274	193	111	164	727	Administrateurs, directeurs, commis et tous employés des bureaux
	843	294	185	214	968	Ouvriers et journaliers
	53	12	14	8	715	Non-génératrices
	1,064	475	282	370	980	Génératrices
	1,062	454	-	214	936	Hydrauliques
	2	21	282	156	44	Combustible
	7,220	897	360	354	100	<u>PERSONNEL DES USINES MUNICIPALES</u>
	3,125	681	149	141	42	Administrateurs, directeurs, commis et tous employés des bureaux
	4,097	213	211	213	58	Ouvriers et journaliers
	3,535	257	59	153	57	Non-génératrices
	3,685	660	301	201	43	Génératrices
	3,670	611	-	-	36	Hydrauliques
	15	49	301	201	7	Combustible
	3,588	249	73	161	772	<u>PERSONNEL DES USINES NON-GENERATRICES</u>
	1,857	161	41	94	443	Administrateurs, directeurs, commis et tous employés des bureaux
	1,731	88	32	67	329	Ouvriers et journaliers
	4,749	1,135	585	571	1,023	<u>PERSONNEL DES USINES GENERATRICES</u>
	1,540	713	219	211	526	Administrateurs, directeurs, commis et tous employés des bureaux
	3,209	422	364	360	697	Ouvriers et journaliers
	4,732	1,065	-	214	972	Hydrauliques
	17	70	585	357	51	Combustible

TABLE 8 - NUMBER OF CUSTOMERS, 1941

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>NUMBER OF CUSTOMERS</u>	2,061,270	6,980	83,464	60,929	562,992	
Per cent of total for Canada	100.00	0.34	4.01	2.93	27.05	
Domestic service	1,755,917	5,531	69,997	52,831	473,547	
Commercial light	268,977	1,289	10,940	6,826	76,274	
Power (small)	44,071	141	2,268	1,027	10,994	
Power (large)	9,934	8	177	209	1,378	
Street lighting	2,371	11	82	36	799	
<u>COMMERCIAL STATIONS</u>	954,906	5,524	52,199	25,682	517,396	
Domestic service	788,375	4,444	43,598	21,134	433,936	
Commercial light	139,781	988	6,982	3,786	71,317	
Power (small)	21,355	76	1,487	678	10,098	
Power (large)	4,009	7	93	66	1,280	
Street lighting	1,386	9	39	18	765	
Non-generating	207,728	115	59,070	15,594	4,439	
Generating	747,178	5,409	13,129	10,088	512,957	
Hydraulic	688,700	764	9,010	1,997	512,465	
Fuel	58,478	4,645	4,119	8,091	492	
<u>MUNICIPAL STATIONS</u>	1,126,364	1,456	31,265	35,247	45,596	
Domestic service	967,542	1,087	26,399	31,697	39,611	
Commercial light	129,196	301	3,958	3,040	4,957	
Power (small)	22,716	65	781	549	896	
Power (large)	5,925	1	84	143	98	
Street lighting	985	2	43	18	34	
Non-generating	794,309	-	19,629	15,057	22,700	
Generating	332,055	1,456	11,656	20,190	22,896	
Hydraulic	237,758	-	6,165	1,617	21,746	
Fuel	94,297	1,456	5,471	18,573	1,150	
<u>NON-GENERATING STATIONS</u>	1,002,037	115	58,699	30,651	27,139	
Domestic service	846,807	83	48,974	26,092	23,596	
Commercial light	129,982	32	7,850	3,933	2,910	
Power (small)	20,715	-	1,759	465	549	
Power (large)	3,812	-	90	140	31	
Street lighting	721	-	46	21	53	
<u>GENERATING STATIONS</u>	1,079,285	6,865	24,765	30,278	555,853	
Hydraulic stations	926,458	764	15,175	3,614	554,211	
Domestic service	789,919	622	12,956	2,930	448,777	
Commercial light	111,640	158	1,835	561	72,926	
Power (small)	18,061	-	300	82	10,419	
Power (large)	5,624	1	59	18	1,346	
Street lighting	1,214	3	25	3	743	
Fuel stations	152,775	6,101	9,590	26,664	1,642	
Domestic service	119,191	4,826	8,067	28,909	1,174	
Commercial light	27,355	1,119	1,255	2,312	438	
Power (small)	5,295	141	229	480	26	
Power (large)	498	7	28	51	1	
Street lighting	456	8	11	12	3	
Average number of domestic service customers per 100 of population	15.28	5.82	12.11	11.55	14.21	

TABLEAU 8 - NOMBRE D'USAGERS, 1941

	Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
884,101	109,811	71,639	95,526	205,828	<u>NOMBRE D'USAGERS</u>	
42,48	5,27	3,44	4,59	9,89	Pourcentage du total pour le Canada	
772,153	85,106	52,695	72,422	171,635	Service domestique	
94,205	17,967	15,745	17,026	28,705	Eclairage commercial	
13,415	3,307	2,735	5,494	4,692	Force motrice (petite)	
3,720	3,245	129	377	691	Force motrice (grosse)	
608	186	337	207	105	Eclairage des rues	
77,074	33,739	27,460	31,148	184,684	<u>NOMBRE D'USAGERS DES USINES COMMERCIALES</u>	
65,572	24,750	19,579	20,960	154,402	Service domestique	
9,939	7,075	6,625	7,638	25,431	Eclairage commercial	
1,115	461	1,031	2,276	4,135	Force motrice (petite)	
374	1,432	44	84	629	Force motrice (grosse)	
74	21	181	190	89	Eclairage des rues	
5,471	8,137	2,902	2,361	129,659	Non-génératrices	
71,603	25,602	24,558	28,787	55,045	Génératrices	
71,188	24,007	-	16,524	52,745	Hydrauliques	
415	1,595	24,558	12,263	2,300	Combustible	
807,027	76,072	44,179	64,378	21,144	<u>NOMBRE D'USAGERS DES USINES MUNICIPALES</u>	
706,581	60,356	33,116	51,462	17,233	Service domestique	
84,266	10,892	9,120	9,588	3,274	Eclairage commercial	
12,300	2,846	1,702	3,218	559	Force motrice (petite)	
3,346	1,813	85	293	62	Force motrice (grosse)	
534	165	156	17	16	Eclairage des rues	
654,128	20,748	15,856	30,205	15,986	Non-génératrices	
152,899	55,324	28,323	34,173	5,158	Génératrices	
151,662	52,169	-	-	4,399	Hydrauliques	
1,237	3,155	28,323	34,173	759	Combustible	
659,599	28,885	18,758	32,566	145,625	<u>NOMBRE D'USAGERS DES USINES NON-GENERATRICES</u>	
562,928	22,702	13,991	26,250	122,191	Service domestique	
82,133	4,978	3,725	4,463	19,958	Eclairage commercial	
11,432	815	939	1,775	3,001	Force motrice (petite)	
2,786	231	46	62	426	Force motrice (grosse)	
320	159	57	16	49	Eclairage des rues	
224,502	80,926	52,881	62,960	60,203	<u>NOMBRE D'USAGERS DES USINES GENERATRICES</u>	
222,850	76,176	-	16,524	57,144	Usines hydrauliques	
207,846	58,857	-	10,669	47,262	Service domestique	
11,880	12,045	-	4,231	8,004	Eclairage commercial	
1,909	2,304	-	1,466	1,581	Force motrice (petite)	
931	2,960	-	53	256	Force motrice (grosse)	
284	10	-	105	41	Eclairage des rues	
1,652	4,750	52,881	46,486	3,059	<u>Usines à combustible</u>	
1,379	3,547	38,704	35,503	2,182	Service domestique	
192	944	12,020	8,332	743	Eclairage commercial	
74	188	1,794	2,253	110	Force motrice (petite)	
5	54	83	262	9	Force motrice (grosse)	
4	17	280	86	15	Eclairage des rues	
20.59	11.86	5.68	9.10	20.86	Moyenne de consommateurs d'éclairage électrique par 100 habitants	

TABLE 9 - POLE LINE MILEAGE, 1941

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>POLE LINE MILEAGE</u> .....	77,253	300	4,148	3,252	14,287	
Per cent of total for Canada .....	100.00	0.59	5.37	4.21	18.49	
Miles of steel towers .....	5,289	-	21	243	1,242	
Miles of steel poles .....	305	-	1	-	237	
Miles of wooden poles .....	69,017	297	4,115	3,006	12,059	
Miles of concrete poles .....	567	-	-	1	-	
Miles of underground and submarine cables .....	2,075	3	11	2	749	
<u>TOTAL POLE LINE MILEAGE - COMMERCIAL STATIONS</u> .....	51,442	276	2,019	705	13,744	
Non-generating .....	5,037	10	847	248	321	
Generating .....	26,405	266	1,172	457	13,423	
Hydraulic .....	23,625	53	966	255	13,410	
Fuel .....	2,780	213	206	202	13	
<u>TOTAL POLE LINE MILEAGE - MUNICIPAL STATIONS</u> .....	45,811	24	2,129	2,547	543	
Non-generating .....	10,721	-	463	179	170	
Generating .....	35,090	24	1,666	2,368	373	
Hydraulic .....	29,721	-	1,220	29	352	
Fuel .....	5,369	24	446	2,539	21	
<u>TOTAL POLE LINE MILEAGE - NON-GENERATING STATIONS</u> .....	15,758	10	1,510	427	491	
<u>TOTAL POLE LINE MILEAGE - GENERATING STATIONS</u> .....	61,495	290	2,838	2,826	13,796	
Hydraulic .....	53,546	53	2,186	284	13,762	
Fuel .....	8,149	237	652	2,541	34	

TABLE 10 - AUXILIARY PLANT EQUIPMENT, 1941

<u>TOTAL PRIMARY POWER</u> .....	H.P.	194,651	165	12,893	2,725	57,511
Per cent of total for Canada .....	100.00	0.09	6.62	1.40	19.17	
Steam reciprocating engines .....	No.	29	1	9	2	1
Total capacity .....	H.P.	12,126	75	3,913	800	60
Steam turbines .....	No.	44	-	3	3	8
Total capacity .....	H.P.	172,104	-	7,390	1,925	36,224
Gas and oil engines .....	No.	50	2	7	-	5
Total capacity .....	H.P.	10,421	90	1,590	-	1,027
<u>TOTAL SECONDARY POWER</u> .....	Kv.A.	166,021	48	10,859	2,055	35,694
<u>COMMERCIAL STATIONS</u>						
<u>TOTAL PRIMARY POWER</u> .....	H.P.	130,647	165	12,280	2,725	25,675
Steam reciprocating engines .....	No.	20	-	7	2	1
Total capacity .....	H.P.	7,828	-	3,490	800	60
Steam turbines .....	No.	35	1	5	3	6
Total capacity .....	H.P.	115,240	75	7,390	1,925	25,500
Gas and oil engines .....	No.	36	2	4	-	5
Total capacity .....	H.P.	7,579	90	1,350	-	115
<u>TOTAL SECONDARY POWER</u> .....	Kv.A.	109,905	48	10,303	2,035	23,125
<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	-	425	-	-
Steam turbines .....	No.	9	-	-	-	2
Total capacity .....	H.P.	56,864	-	-	-	10,724
Gas and oil engines .....	No.	14	-	3	-	2
Total capacity .....	H.P.	2,842	-	240	-	912
<u>TOTAL SECONDARY POWER</u> .....	Kv.A.	56,118	-	536	-	10,769

TABLEAU 9 - LONGUEUR (EN MILLES) DES LIGNES SUR POTEAUX, 1941

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
36,881	4,307	4,067	4,410	5,701	<u>LONGUEUR (EN MILLES) DES LIGNES SUR POTEAUX</u>
47.74	5.45	5.26	5.71	7.38	Pourcentage du total pour tout le Canada
2,970	743	-	31	59	Milles de pylones d'acier
67	-	-	-	-	Milles de poteaux d'acier
52,199	3,429	4,042	4,307	5,565	Milles de poteaux de bois
566	-	-	-	-	Milles de poteaux de ciment
1,079	35	25	72	99	Milles de cables souterrains et sous-marins
<u>TOTAL (EN MILLES) POUR LE SERVICE DES USINES COMMERCIALES</u>					
2,667	1,434	1,863	3,504	5,250	Non-génératrices
217	215	746	49	2,384	Génératrices
2,450	1,219	1,117	3,455	2,846	Hydrauliques
2,437	1,141	-	2,588	2,775	A combustible
13	78	1,117	867	71	
<u>TOTAL (EN MILLES) POUR LE SERVICE DES USINES MUNICIPALES</u>					
54,214	2,773	2,204	906	471	Non-génératrices
7,060	1,877	208	452	314	Génératrices
27,154	896	1,998	454	157	Hydrauliques
27,125	857	-	-	158	A combustible
29	39	1,998	454	19	
<u>TOTAL (EN MILLES) POUR LE SERVICE DES USINES NON-GENERATRICES</u>					
7,277	2,092	952	501	2,698	
<u>TOTAL (EN MILLES) POUR LE SERVICE DES USINES GENERATRICES</u>					
29,604	2,115	3,115	3,909	3,003	Hydrauliques
29,562	1,998	-	2,588	2,913	A combustible
42	117	3,115	1,321	90	

TABLEAU 10 - OUTILLAGE AUXILIAIRE, 1941

41,175	31,090	-	18,963	50,329	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> .....H.P.
21.15	15.97	-	9.74	25.86	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	18	Moteurs à gaz et à pétrole .....Nomb.
1,575	850	-	1,210	4,079	Capacité totale .....H.P.
33,497	28,711	-	16,662	40,335	<u>TOTAL, FORCE MOTRICE SECONDAIRE</u> .....Kv.A.
<u>USINES COMMERCIALES</u>					
10,075	12,000	-	18,963	48,814	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u> .....H.P.
-	-	-	7	2	Machines à vapeur, à mouvement alternatif .....Nomb.
-	-	-	2,753	650	Capacité totale .....H.P.
2	3	-	4	14	Turbines à vapeur .....Nomb.
8,500	12,000	-	15,000	44,925	Capacité totale .....H.P.
4	-	-	7	16	Moteurs à gaz et à pétrole .....Nomb.
1,575	-	-	1,210	3,239	Capacité totale .....H.P.
7,262	11,250	-	16,662	39,198	<u>TOTAL, FORCE MOTRICE SECONDAIRE</u> .....Kv.A.
<u>USINES MUNICIPALES</u>					
31,100	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	16,490	-	-	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 11 - TOTAL EQUIPMENT INCLUDING AUXILIARY PLANT EQUIPMENT, 1941

		Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>TOTAL PRIMARY POWER</u>	H.P.	8,352,236	9,379	185,767	142,503	4,116,715	
Per cent of total for Canada		100.00	0.11	2.22	1.71	49.29	
Water wheels and turbines	No.	841	7	57	16	275	
Total capacity	H.P.	7,784,400	392	102,990	105,760	4,076,552	
Steam reciprocating engines	No.	66	1	11	7	1	
Total capacity	H.P.	21,731	75	4,488	3,980	60	
Steam turbines	No.	115	4	17	9	9	
Total capacity	H.P.	495,735	6,680	75,826	32,005	36,374	
Gas and oil engines	No.	503	13	21	5	12	
Total capacity	H.P.	50,370	2,232	2,463	758	3,727	
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	7,017,806	6,993	155,248	120,897	3,584,798	
Per cent of total for Canada		100.00	0.10	2.21	1.72	51.08	
Dynamos, A.C.	No.	1,274	21	102	35	289	
Total capacity	Kv.A.	7,011,787	6,993	154,908	120,047	3,584,778	
Dynamos, D.C.	No.	222	-	2	2	1	
Total capacity	Kw.	6,019	-	340	850	20	
<u>COMMERCIAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u>	H.P.	6,047,807	7,314	97,544	112,865	4,071,847	
Water wheels and turbines	No.	558	7	19	10	247	
Total capacity	H.P.	5,753,150	392	21,740	92,900	4,045,842	
Steam reciprocating engines	No.	41	1	9	7	1	
Total capacity	H.P.	13,180	75	4,065	3,980	60	
Steam turbines	No.	71	4	14	6	7	
Total capacity	H.P.	253,020	6,680	70,245	15,625	25,650	
Gas and oil engines	No.	375	5	6	1	5	
Total capacity	H.P.	28,457	187	1,494	360	295	
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	5,164,630	5,287	82,694	96,216	3,548,504	
Dynamos, A.C.	No.	825	15	44	22	254	
Total capacity	Kv.A.	5,160,253	5,287	82,354	95,366	3,548,484	
Dynamos, D.C.	No.	195	-	2	2	1	
Total capacity	Kw.	4,377	-	340	850	20	
<u>MUNICIPAL STATIONS</u>							
<u>TOTAL PRIMARY POWER</u>	H.P.	2,804,429	2,065	88,223	29,688	44,866	
Water wheels and turbines	No.	285	-	38	6	28	
Total capacity	H.P.	2,031,250	-	81,250	12,860	30,710	
Steam reciprocating engines	No.	25	-	2	-	-	
Total capacity	H.P.	8,551	-	423	-	-	
Steam turbines	No.	44	-	3	3	2	
Total capacity	H.P.	242,715	-	5,581	16,380	10,724	
Gas and oil engines	No.	128	8	15	4	7	
Total capacity	H.P.	21,913	2,065	969	398	3,432	
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	1,855,176	1,706	72,554	24,681	38,294	
Dynamos, A.C.	No.	449	8	58	13	35	
Total capacity	Kv.A.	1,851,534	1,706	72,554	24,681	38,294	
Dynamos, D.C.	No.	27	-	-	-	-	
Total capacity	Kw.	1,642	-	-	-	-	

TABLEAU 11 - OUTILLAGE GLOBAL, Y COMPRIS OUTILLAGE AUXILIAIRE, 1941.

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
2,326,854	543,529	165,703	165,943	695,945	<u>TOTAL FORCE MOTRICE PRIMAIRE</u> ..... H.P.
27.86	6.51	1.98	1.99	8.33	Pourcentage du total pour le Canada
353	43	-	9	83	Turbines et roues hydrauliques ..... Nomb.
2,284,389	508,300	-	68,180	637,857	Capacité totale ..... H.P.
12	5	1	19	9	Machines à vapeur, à mouvement alternatif ..... Nomb.
1,950	2,303	750	6,481	1,644	Capacité totale ..... H.P.
4	5	25	19	15	Turbines à vapeur ..... Nomb.
38,000	29,740	142,300	85,395	49,415	Capacité totale ..... H.P.
11	85	243	112	51	Moteurs à gaz et à pétrole ..... Nomb.
2,515	3,186	22,653	5,887	6,949	Capacité totale ..... H.P.
1,871,736	439,853	139,718	137,099	561,464	<u>CAPACITE TOTALE DES DYNAMOS</u> ..... Kv.A.
26.67	6.27	1.99	1.96	8.00	Pourcentage du total pour le Canada
375	89	127	85	153	Dynamos, C.A. ..... Nomb.
1,871,691	439,817	138,011	134,253	561,309	Capacité totale ..... Kv.A.
2	3	158	67	7	Dynamos, C.D. ..... Nomb.
45	36	1,707	2,866	155	Capacité totale ..... Kw.
<u>USINES COMMERCIALES</u>					
553,019	566,649	57,378	97,611	683,580	<u>TOTAL FORCE MOTRICE PRIMAIRE</u> ..... H.P.
169	23	-	9	74	Turbines et roues hydrauliques ..... Nomb.
542,729	553,300	-	68,180	628,067	Capacité totale ..... H.P.
4	-	-	14	5	Machines à vapeur, à mouvement alternatif ..... Nomb.
165	-	-	3,771	1,064	Capacité totale ..... H.P.
2	5	11	6	18	Turbines à vapeur ..... Nomb.
8,500	12,000	44,755	20,300	49,265	Capacité totale ..... H.P.
5	21	184	103	45	Moteurs à gaz et à pétrole ..... Nomb.
1,625	1,349	12,625	5,560	5,184	Capacité totale ..... H.P.
464,787	290,422	47,066	76,992	552,662	<u>CAPACITE TOTALE DES DYNAMOS</u> ..... Kv.A.
176	44	73	65	134	Dynamos, C.A. ..... Nomb.
464,777	290,386	45,777	75,315	552,507	Capacité totale ..... Kv.A.
1	5	117	62	7	Dynamos, C.D. ..... Nomb.
10	36	1,289	1,677	155	Capacité totale ..... Kw.
<u>USINES MUNICIPALES</u>					
1,773,835	176,880	108,325	68,352	12,265	<u>TOTAL FORCE MOTRICE PRIMAIRE</u> ..... H.P.
184	20	-	-	9	Turbines et roues hydrauliques ..... Nomb.
1,741,660	155,000	-	-	9,770	Capacité totale ..... H.P.
8	5	1	5	4	Machines à vapeur, à mouvement alternatif ..... Nomb.
1,785	2,303	750	2,710	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	14	59	9	6	Moteurs à gaz et à pétrole ..... Nomb.
890	1,837	10,030	527	1,765	Capacité totale ..... H.P.
1,406,949	149,451	92,652	60,107	8,802	<u>CAPACITE TOTALE DES DYNAMOS</u> ..... Kv.A.
197	45	54	20	19	Dynamos, C.A. ..... Nomb.
1,406,914	149,451	92,254	58,918	8,802	Capacité totale ..... Kv.A.
1	-	21	5	-	Dynamos, C.D. ..... Nomb.
35	-	418	1,189	-	Capacité totale ..... Kw.

TABLE 12 - MAIN PLANT EQUIPMENT, 1941

		Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec
<u>TOTAL PRIMARY POWER</u>	H.P.	8,157,585	9,214	172,874	139,778	4,079,402
Per cent of total for Canada		100.00	0.11	2.12	1.71	50.01
Water wheels and turbines	No.	841	7	57	16	273
Total capacity	H.P.	7,784,400	392	102,990	105,760	4,076,552
Steam reciprocating engines	No.	37	-	2	5	-
Total capacity	H.P.	9,605	-	575	3,180	-
Steam turbines	No.	71	4	14	6	1
Total capacity	H.P.	323,631	6,680	68,436	30,080	150
Gas and oil engines	No.	453	11	14	5	7
Total capacity	H.P.	39,949	2,142	873	758	2,700
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	6,851,785	6,945	144,409	118,862	3,550,904
Per cent of total for Canada		100.00	0.10	2.11	1.73	51.82
Dynamos, A.C.	No.	1,165	20	86	30	279
Total capacity	Kv.A.	6,847,166	6,945	144,369	118,012	3,550,884
Dynamos, D.C.	No.	219	-	1	2	1
Total capacity	Kw.	4,619	-	40	850	20
<u>COMMERCIAL STATIONS</u>						
<u>TOTAL PRIMARY POWER</u>	H.P.	5,917,160	7,149	85,814	110,140	4,046,172
Per cent of total for Canada		100.00	0.12	1.44	1.96	68.38
Water wheels and turbines	No.	558	7	19	10	247
Total capacity	H.P.	5,753,150	392	21,740	92,900	4,045,842
Steam reciprocating engines	No.	21	-	2	5	-
Total capacity	H.P.	5,352	-	575	3,180	-
Steam turbines	No.	36	4	11	3	1
Total capacity	H.P.	137,780	6,680	62,855	13,700	150
Gas and oil engines	No.	339	3	2	1	2
Total capacity	H.P.	20,878	77	144	360	180
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	5,054,727	5,239	72,391	94,181	3,525,379
Per cent of total for Canada		100.00	0.10	1.43	1.86	69.75
Dynamos, A.C.	No.	747	12	33	17	248
Total capacity	Kv.A.	5,051,750	5,239	72,351	93,331	3,525,359
Dynamos, D.C.	No.	192	-	1	2	1
Total capacity	Kw.	2,977	-	40	850	20
<u>MUNICIPAL STATIONS</u>						
<u>TOTAL PRIMARY POWER</u>	H.P.	2,240,425	2,065	87,560	29,658	33,230
Per cent of total for Canada		100.00	0.09	3.91	1.32	1.48
Water wheels and turbines	No.	283	-	38	6	26
Total capacity	H.P.	2,031,250	-	81,250	12,860	30,710
Steam reciprocating engines	No.	16	-	-	-	-
Total capacity	H.P.	4,253	-	-	-	-
Steam turbines	No.	35	-	3	3	-
Total capacity	H.P.	185,851	-	5,581	16,380	-
Gas and oil engines	No.	114	8	12	4	5
Total capacity	H.P.	19,071	2,065	729	398	2,520
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	1,797,058	1,706	72,018	24,681	25,525
Per cent of total for Canada		100.00	0.09	4.01	1.57	1.42
Dynamos, A.C.	No.	418	8	53	13	31
Total capacity	Kv.A.	1,795,416	1,706	72,018	24,681	25,525
Dynamos, D.C.	No.	27	-	-	-	-
Total capacity	Kw.	1,642	-	-	-	-
<u>HYDRAULIC STATIONS</u>						
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	6,534,559	359	83,084	91,238	3,548,532
Per cent of total for Canada		100.00	0.01	1.27	1.40	54.31
Dynamos, A.C.	No.	833	6	57	15	271
Total capacity	Kv.A.	6,534,269	359	83,084	91,038	3,548,512
Dynamos, D.C.	No.	4	-	-	1	1
Total capacity	Kw.	290	-	-	200	20
<u>FUEL STATIONS</u>						
<u>TOTAL DYNAMO CAPACITY</u>	Kv.A.	317,226	6,586	61,325	27,624	2,372
Per cent of total for Canada		100.00	2.08	19.33	8.71	0.75
Dynamos, A.C.	No.	332	14	29	15	8
Total capacity	Kv.A.	312,897	6,586	61,285	26,974	2,372
Dynamos, D.C.	No.	215	-	1	1	-
Total capacity	Kw.	4,329	-	40	650	-

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

TABLEAU 12 - OUTILLAGE DES USINES PRINCIPALES, 1941

	Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
2,285,679	X 512,439	165,703	146,980	645,516	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u>	H.P.
28.02	6.28	2.03	1.80	7.92	Pourcentage du total pour le Canada	
553	43	-	9	83	Roues hydrauliques et turbines	Nomb.
2,284,389	508,500	-	68,180	637,837	Capacité totale	H.P.
8	4	1	12	5	Machines à vapeur, à mouvement alternatif	Nomb.
350	553	750	3,728	469	Capacité totale	H.P.
-	2	25	15	4	Turbines à vapeur	Nomb.
-	1,250	142,300	70,395	4,340	Capacité totale	H.P.
7	28	243	105	33	Moteurs à gaz et à pétrole	Nomb.
940	2,336	22,653	4,677	2,870	Capacité totale	H.P.
1,838,239	411,142	139,718	120,437	521,129	<u>CAPACITE DES DYNAMOS</u>	Kv.A.
26.85	6.00	2.04	1.76	7.61	Pourcentage du total pour le Canada	
362	74	127	69	118	Dynamos, C.A.	Nomb.
1,838,194	411,106	138,011	118,671	520,974	Capacité totale	Kv.A.
2	3	158	65	7	Dynamos, C.D.	Nomb.
45	36	1,707	1,766	155	Capacité totale	Kw.
					<u>USINES COMMERCIALES</u>	
542,944	354,649	57,378	78,648	634,766	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u>	H.P.
9.18	5.99	0.97	1.33	10.73	Pourcentage du total pour le Canada	
169	23	-	9	74	Turbines et roues hydrauliques	Nomb.
542,729	353,500	-	68,180	628,067	Capacité totale	H.P.
4	-	-	7	5	Machines à vapeur, à mouvement alternatif	Nomb.
165	-	-	1,018	414	Capacité totale	H.P.
-	-	11	2	4	Turbines à vapeur	Nomb.
-	-	44,755	5,300	4,340	Capacité totale	H.P.
1	21	184	96	29	Moteurs à gaz et à pétrole	Nomb.
50	1,349	12,623	4,150	1,945	Capacité totale	H.P.
457,505	279,172	47,066	60,530	513,464	<u>CAPACITE DES DYNAMOS</u>	Kv.A.
9.05	5.52	0.93	1.20	10.16	Pourcentage du total pour le Canada	
171	41	73	49	108	Dynamos, C.A.	Nomb.
457,495	279,136	45,777	59,753	513,309	Capacité totale	Kv.A.
1	3	117	60	7	Dynamos, C.D.	Nomb.
10	36	1,289	577	155	Capacité totale	Kw.
					<u>USINES MUNICIPALES</u>	
1,742,735	157,790	108,325	68,332	10,750	<u>TOTAL, FORCE MOTRICE PRIMAIRE</u>	H.P.
77.79	7.04	4.84	3.05	0.48	Pourcentage du total pour le Canada	
184	20	-	-	9	Turbines et roues hydrauliques	Nomb.
1,741,660	155,000	-	-	9,770	Capacité totale	H.P.
4	4	1	5	2	Machines à vapeur, à mouvement alternatif	Nomb.
185	553	750	2,710	55	Capacité totale	H.P.
-	2	14	13	-	Turbines à vapeur	Nomb.
-	1,250	97,545	65,095	-	Capacité totale	H.P.
6	7	59	9	4	Moteurs à gaz et à pétrole	Nomb.
890	987	10,030	527	925	Capacité totale	H.P.
1,380,734	121,970	92,652	60,107	7,665	<u>CAPACITE DES DYNAMOS</u>	Kv.A.
76.83	7.34	5.16	3.35	0.43	Pourcentage du total pour le Canada	
191	33	54	20	15	Dynamos, C.A.	Nomb.
1,380,699	121,970	92,234	58,918	7,665	Capacité totale	Kv.A.
1	-	21	5	-	Dynamos, C.D.	Nomb.
35	-	418	1,189	-	Capacité totale	Kw.
					<u>USINES HYDRAULIQUES</u>	
1,837,267	407,600	-	51,600	514,879	<u>CAPACITE TOTALE DES DYNAMOS</u>	Kv.A.
28.12	6.23	-	0.79	7.87	Pourcentage du total pour le Canada	
349	43	-	9	83	Dynamos, C.A.	Nomb.
1,837,267	407,600	-	51,600	514,809	Capacité totale	Kv.A.
-	-	-	-	2	Dynamos, C.D.	Nomb.
-	-	-	-	70	Capacité totale	Kw.
					<u>USINES A COMBUSTIBLE</u>	
972	3,542	139,718	68,837	6,250	<u>CAPACITE TOTALE DES DYNAMOS</u>	Kv.A.
.030	1.12	44.04	21.70	1.97	Pourcentage du total pour le Canada	
13	31	127	60	35	Dynamos, C.A.	Nomb.
927	3,506	138,011	67,071	6,165	Capacité totale	Kv.A.
2	3	138	65	5	Dynamos, C.D.	Nomb.
45	56	1,707	1,766	85	Capacité totale	Kw.

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

TABLE 13 - MAIN PLANT EQUIPMENT CLASSIFIED, 1941

		Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	Ontario	
<b>PRIMARY POWER</b>	H.P.	8,157,585	9,214	172,874	139,778	4,079,402	2,285,679	
<u>Water wheels and turbines</u>	No.	841	7	57	16	273	353	
	Total H.P.	7,784,400	392	102,990	105,760	4,076,552	2,284,389	
Under 500 H.P.	No.	135	7	20	2	28	55	
	Total H.P.	28,515	392	4,830	710	5,558	12,899	
500 - 2,000 H.P.	No.	216	-	19	3	60	122	
	Total H.P.	233,589	-	20,270	2,550	63,294	133,355	
2,000 - 5,000 H.P.	No.	137	-	11	6	35	66	
	Total H.P.	402,271	-	36,890	17,500	99,000	188,935	
5,000 - 10,000 H.P.	No.	113	-	7	1	33	35	
	Total H.P.	745,225	-	41,000	5,000	235,400	225,000	
10,000 - 15,000 H.P.	No.	82	-	-	-	28	45	
	Total H.P.	950,400	-	-	-	301,900	539,700	
15,000 - 25,000 H.P.	No.	54	-	-	4	17	11	
	Total H.P.	1,020,500	-	-	80,000	360,500	182,500	
25,000 - 50,000 H.P.	No.	72	-	-	-	55	4	
	Total H.P.	2,544,900	-	-	-	2,045,900	112,000	
50,000 H.P. and up	No.	32	-	-	-	17	15	
	Total H.P.	1,859,000	-	-	-	969,000	890,000	
<u>Steam reciprocating engines</u>	No.	37	-	2	5	-	8	
	Total H.P.	9,605	-	575	3,180	-	350	
Under 500 H.P.	No.	29	-	1	2	-	8	
	Total H.P.	3,145	-	75	280	-	350	
500 H.P. and up	No.	8	-	1	3	-	-	
	Total H.P.	6,460	-	500	2,900	-	-	
<u>Steam turbines</u>	No.	71	4	14	6	1	-	
	Total H.P.	323,631	6,680	68,436	30,080	150	-	
Under 500 H.P.	No.	5	-	-	-	1	-	
	Total H.P.	1,112	-	-	-	150	-	
500 - 2,000 H.P.	No.	20	3	2	1	-	-	
	Total H.P.	22,699	4,180	2,256	700	-	-	
2,000 - 5,000 H.P.	No.	24	1	6	3	-	-	
	Total H.P.	72,491	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	-	-	
<u>Gas and oil engines</u>	No.	453	11	14	5	7	7	
	Total H.P.	39,949	2,142	873	758	2,700	940	
<b>SECONDARY POWER</b>								
<u>DYNAMOS, A.C. and D.C.</u>	No.	1,584	20	87	32	280	564	
	Total Kv.A.	6,851,785	6,945	144,409	118,862	3,550,904	1,838,239	
<u>DYNAMOS, A.C.</u>	No.	1,165	20	86	30	279	362	
	Total Kv.A.	6,847,166	6,945	144,369	118,012	3,550,884	1,838,194	
Under 50 Kv.A.	No.	100	5	9	7	4	7	
	Total Kv.A.	2,834	136	256	-	159	198	
50 - 200 Kv.A.	No.	178	8	14	7	15	30	
	Total Kv.A.	19,458	493	1,485	802	1,555	3,751	
200 - 500 Kv.A.	No.	141	5	16	2	23	45	
	Total Kv.A.	43,878	1,486	5,113	675	8,088	13,983	
500 - 1,000 Kv.A.	No.	137	1	9	4	38	66	
	Total Kv.A.	97,957	625	6,445	2,750	27,600	47,520	
1,000 - 5,000 Kv.A.	No.	276	3	30	11	53	118	
	Total Kv.A.	643,660	4,205	78,895	28,475	114,295	252,610	
5,000 - 10,000 Kv.A.	No.	114	-	8	2	25	48	
	Total Kv.A.	797,797	-	52,175	15,310	166,020	359,592	
10,000 - 15,000 Kv.A.	No.	73	-	-	-	32	25	
	Total Kv.A.	789,825	-	-	-	333,660	267,040	
15,000 - 25,000 Kv.A.	No.	60	-	-	4	20	8	
	Total Kv.A.	1,134,000	-	-	70,000	409,250	154,000	
25,000 - 50,000 Kv.A.	No.	77	-	-	-	65	10	
	Total Kv.A.	2,845,757	-	-	-	2,290,257	467,500	
50,000 Kv.A. and up	No.	9	-	-	-	4	5	
	Total Kv.A.	472,000	-	-	-	200,000	272,000	
<u>DYNAMOS, D.C.</u>	No.	219	-	1	2	1	2	
	Total Kw.	4,619	-	40	850	20	45	
Under 50 Kw.	No.	214	-	1	-	1	2	
	Total Kw.	2,499	-	40	-	20	46	
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, 1941

Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	Commercial	Municipal	
512,459	165,703	146,980	645,516	5,917,160	2,240,425	<u>FORCE MOTRICE PRIMAIRE</u>
45	-	9	83	558	283	Turbines et roues hydrauliques
508,500	-	68,180	657,837	5,753,150	2,051,250	Total H.P.
-	-	1	22	93	42	Moins de 500 H.P.
-	-	180	3,946	17,460	11,055	Total H.P.
-	-	-	12	117	39	500 - 2,000 H.P.
-	-	-	14,120	121,344	112,245	Total H.P.
4	-	2	13	93	44	2,000 - 5,000 H.P.
12,800	-	8,000	39,146	276,721	125,550	Total H.P.
11	-	-	12	75	40	5,000 - 10,000 H.P.
130,000	-	24,000	86,825	500,025	245,200	Total H.P.
4	-	-	5	54	28	10,000 - 15,000 H.P.
50,000	-	-	58,800	597,700	552,700	Total H.P.
8	-	-	12	15	11	15,000 - 25,000 H.P.
147,500	-	56,000	214,000	838,000	182,500	Total H.P.
6	-	-	7	68	4	25,000 - 50,000 H.P.
168,000	-	-	221,000	2,432,900	112,000	Total H.P.
-	-	-	-	17	15	50,000 et plus H.P.
-	-	-	-	969,000	890,000	Total H.P.
1	-	-	12	5	15	Machines à vapeur, à mouvement alternatif
553	750	3,728	469	5,552	4,253	Total H.P.
4	-	9	5	17	12	Moins et 500 H.P.
553	-	1,418	469	1,952	1,193	Total H.P.
-	1	3	-	4	4	500 H.P. et plus
-	750	2,510	-	5,400	5,060	Total H.P.
2	25	15	5	15	35	Turbines à vapeur
1,250	142,300	70,395	4,340	137,780	185,851	Total H.P.
1	1	2	-	1	4	Moins et 500 H.P.
400	267	295	-	150	962	Total H.P.
1	7	2	4	12	8	500 - 2,000 H.P.
850	8,373	2,000	4,340	14,423	8,276	Total H.P.
-	8	6	-	15	11	2,000 - 5,000 H.P.
-	24,286	17,300	-	36,166	36,325	Total H.P.
-	9	5	-	10	12	5,000 - 10,000 H.P.
-	109,374	50,800	-	87,041	140,288	Total H.P.
28	245	105	55	35	114	Moteurs à gaz et à pétrole
2,536	22,655	4,677	2,870	20,878	19,071	Total H.P.
						<u>FORCE MOTRICE SECONDAIRE</u>
77	265	134	125	939	445	Dynamos, C.A. & C.D.
411,142	159,718	120,437	521,129	5,054,727	1,797,058	Total Kv.A.
74	127	69	118	747	418	Dynamos, C.A.
411,106	158,011	118,671	520,974	5,051,750	1,795,416	Total Kv.A.
15	27	19	14	73	27	Moins et 50 Kv.A.
421	811	471	582	2,102	732	Total Kv.A.
11	45	25	29	119	59	50 - 200 Kv.A.
1,084	4,820	2,537	2,951	12,518	7,140	Total Kv.A.
4	29	5	12	68	73	200 - 500 Kv.A.
1,220	8,689	1,200	3,424	20,623	23,255	Total Kv.A.
1	6	3	9	77	50	500 - 1,000 Kv.A.
781	3,886	2,088	6,262	54,170	43,787	Total Kv.A.
14	14	13	20	167	109	1,000 - 5,000 Kv.A.
46,550	32,305	39,875	46,650	387,680	255,980	Total Kv.A.
11	4	2	14	85	45	5,000 - 10,000 Kv.A.
70,750	25,000	11,250	97,700	481,625	316,172	Total Kv.A.
7	2	1	6	54	19	10,000 - 15,000 Kv.A.
76,000	25,000	12,300	75,625	501,225	152,500	Total Kv.A.
11	2	3	12	49	11	15,000 - 25,000 Kv.A.
214,500	37,500	48,750	200,000	923,750	210,250	Total Kv.A.
-	-	-	2	67	10	25,000 - 50,000 Kv.A.
-	-	-	88,000	2,378,257	467,500	Total Kv.A.
-	-	-	-	4	5	50,000 Kv.A. et plus
-	-	-	-	200,000	272,000	Total Kv.A.
5	138	65	7	192	27	Dynamos, C.D.
56	1,707	1,766	155	2,977	1,642	Total Kw.
3	137	63	7	190	24	Moins de 50 Kw.
56	1,587	616	155	2,127	572	Total Kw.
-	1	-	-	-	1	50 - 200 Kw.
-	120	-	-	-	120	Total Kw.
-	-	1	-	1	1	200 - 500 Kw.
-	-	400	-	200	400	Total Kw.
-	-	1	-	1	1	500 Kw. et plus
-	-	750	-	650	750	Total Kw.

TABLE 14 - ELECTRIC ENERGY GENERATED, 1941

	Canada	Prince Edward Island	Nova Scotia	New Brunswick	Quebec	
<u>ALL STATIONS</u>						
Total Kilowatt hours generated .....	(thousands)	35,317,663	11,869	480,177	533,074	17,741,218
Per cent of total for Canada .....		100.00	0.04	1.44	1.60	53.28
Kilowatt hours generated by non-generating stations .....	(thousands)	9,057	-	8,763	-	-
Kilowatt hours generated by generating stations .....	(thousands)	33,308,606	11,869	471,414	533,074	17,741,218
Kv.A. capacity of generating stations .....		6,987,542	6,993	146,559	118,862	3,574,798
Ratio of output to maximum capacity .....	p.c.	55.17	19.37	37.23	51.20	56.01
Average kilowatt hours per Kv.A. ....		4,767	1,697	3,261	4,485	4,963
<u>GENERATING STATIONS</u>						
<u>COMMERCIAL STATIONS</u>						
<u>TOTAL</u>						
Kilowatt hours generated .....	(thousands)	24,784,691	8,965	228,804	446,505	17,649,562
Kv.A. capacity .....		5,150,203	5,287	72,541	94,181	3,548,504
Ratio of output to maximum capacity .....	p.c.	55.92	19.36	36.00	54.12	58.22
Average kilowatt hours per Kv.A. ....		4,612	1,696	3,154	4,741	4,974
<u>Hydraulic Stations</u>						
Kilowatt hours generated .....	(thousands)	24,463,818	451	77,907	414,980	17,649,253
Kv.A. capacity .....		5,013,422	407	16,576	80,975	3,548,232
Ratio of output to maximum capacity .....	p.c.	56.78	12.65	55.65	58.50	58.22
Average kilowatt hours per Kv.A. ....		4,684	1,108	4,700	5,125	4,974
<u>Fuel Stations</u>						
Kilowatt hours generated .....	(thousands)	300,873	8,514	150,897	31,525	309
Kv.A. capacity .....		136,781	4,880	55,965	13,206	272
Ratio of output to maximum capacity .....	p.c.	25.11	19.92	30.78	27.25	12.97
Average kilowatt hours per Kv.A. ....		2,200	1,745	2,696	2,387	1,156
<u>MUNICIPAL STATIONS</u>						
<u>TOTAL</u>						
Kilowatt hours generated .....	(thousands)	8,523,915	2,904	242,610	86,569	91,656
Kv.A. capacity .....		1,837,339	1,706	72,018	24,681	26,294
Ratio of output to maximum capacity .....	p.c.	53.10	19.43	36.46	40.05	39.79
Average kilowatt hours per Kv.A. ....		4,629	1,702	3,369	3,508	3,486
<u>Hydraulic Stations</u>						
Kilowatt hours generated .....	(thousands)	8,180,136	-	232,867	19,200	86,446
Kv.A. capacity .....		1,656,894	-	66,658	10,263	24,194
Ratio of output to maximum capacity .....	p.c.	56.52	-	39.87	21.36	40.79
Average kilowatt hours per Kv.A. ....		4,937	-	3,493	1,871	3,573
<u>Fuel Stations</u>						
Kilowatt hours generated .....	(thousands)	343,779	2,904	9,745	67,369	5,210
Kv.A. capacity .....		180,445	1,706	5,560	14,418	2,100
Ratio of output to maximum capacity .....	p.c.	21.75	19.43	20.75	53.34	28.32
Average kilowatt hours per Kv.A. ....		1,905	1,702	1,818	4,673	2,481
<u>TOTAL HYDRAULIC STATIONS</u>						
Kilowatt hours generated .....	(thousands)	32,663,954	451	310,774	434,180	17,735,699
Kv.A. capacity .....		6,670,316	407	83,234	91,238	3,575,426
Ratio of output to maximum capacity .....	p.c.	56.71	12.65	42.83	54.33	58.10
Average kilowatt hours per Kv.A. ....		4,897	1,108	3,734	4,759	4,965
Kilowatt hours generated by water power .....	(thousands)	32,628,930	382	310,757	434,180	17,735,341
Kilowatt hours generated by auxiliary plants .....	(thousands)	35,024	69	17	-	358
<u>TOTAL FUEL STATIONS</u>						
Kilowatt hours generated .....	(thousands)	644,652	11,418	160,640	98,894	5,519
Kv.A. capacity .....		317,226	6,586	61,325	27,624	2,372
Ratio of output to maximum capacity .....	p.c.	23.20	19.79	29.30	40.87	26.56
Average kilowatt hours per Kv.A. ....		2,032	1,734	2,619	3,580	2,327
<u>CONSUMPTION OF ELECTRIC ENERGY (THOUSANDS OF KILOWATT HOURS)</u>						
Total Kilowatt hours generated .....		35,317,663	11,869	480,177	533,074	17,741,218
Kilowatt hours imported from the United States .....		670	-	-	6	228
Kilowatt hours imported from other provinces .....		-	-	-	6,721	155,165
Kilowatt hours exported to the United States .....		2,354,229	-	-	24,586	1,050
Kilowatt hours exported to other provinces .....		-	-	-	-	4,451,410
<u>KILOWATT HOURS FOR CONSUMPTION IN CANADA</u> .....						
(THOUSANDS)						
Domestic service .....		30,964,104	11,869	480,177	515,215	15,444,151
Commercial light .....		2,582,406	3,483	48,357	31,234	342,626
Small power .....		1,309,254	2,484	31,456	23,201	325,020
Large power .....		658,448	844	19,780	14,752	143,808
Street lighting .....		22,800,745	5,152	321,656	416,951	11,396,249
Free service (other than street lighting) .....		215,418	345	5,413	4,010	40,831
Losses .....		73,660	37	25	175	67,612
		3,324,174	1,524	53,530	24,892	1,128,005

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

TABLEAU 1c - STATISTIQUE GÉNÉRAL, 1941

Ontario	Manitoba	Saskat-chewan	Alberta	British Columbia and Yukon	
9,635,697 2.92	1,926,696 5.78	196,341 0.59	319,743 0.96	2,472,848 7.42	<b>TOUTES USINES</b> Total kw. heure générés ..... (milliers) Pourcentage du total pour le Canada .....
235 9,635,462 1,869,427 59.08 5,154	31 1,926,665 436,142 50.43 4,418	196,341 139,718 16.04 1,405	319,743 137,099 26.62 2,332	28 2,472,820 559,944 50.41 4,416	Kilowatt-heure générés par les usines non-génératerices ..... (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. ....
2,391,156 463,693 59.28 5,157	1,338,300 290,422 52.60 4,608	69,468 47,066 16.85 1,476	194,495 76,992 28.84 2,526	2,457,436 551,517 50.87 4,456	<b>USINES GÉNÉRATRICES</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. ....
2,390,588 463,538 59.27 5,157	1,337,217 288,350 52.75 4,621	- - - -	178,980 68,262 29.93 2,622	2,434,442 546,082 50.89 4,458	Kilowatt-heure générés ..... (milliers) Capacité en Kv.A. .... Proportion de production à la capacité maximum ..... p.c. Moyenne de kilowatt-heure par Kv.A. ....
568 155 41.84 3,665	1,083 1,072 11.53 1,010	69,468 47,066 16.85 1,476	15,515 8,750 20.29 1,777	22,994 5,435 48.30 4,231	<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. ....
7,244,306 1,405,734 59.03 5,155	588,865 145,720 46.10 4,098	126,873 92,652 15.63 1,59	125,248 60,107 23.79 2,084	15,584 8,427 20.84 1,826	<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. ....
7,243,250 1,404,917 60.52 5,155	583,529 145,250 46.48 4,778	- - - -	429 - - -	14,615 7,612 21.92 1,920	<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. ....
1,056 817 14.76 1,293	5,056 2,470 25.28 2,039	126,873 92,652 15.63 1,369	124,819 60,107 23.71 2,077	769 815 10.78 344	<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. ....
9,633,838 1,868,455 59.11 5,156 9,633,493 345	1,920,546 432,600 50.68 4,440 1,920,072 474	- - - - -	179,409 68,262 50.09 2,628 179,007 9,402	2,449,057 553,694 50.49 4,423 2,424,698 24,359	<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 force motrice hydraulique ... (milliers) Kw.-heure générées par les usines auxiliaires ..... (milliers)
1,624 972 19.08 1,671	6,119 3,542 19.73 1,728	196,341 139,718 16.04 1,405	140,334 68,837 23.27 2,039	23,763 6,250 43.40 3,802	<b>TOUTES 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. ....
9,635,697 - 4,444,689 2,327,031 155,165	1,926,696 311 996 -	196,341 37 - -	319,743 88 - -	2,472,848 - - 2,857	<b>CONSOMMATION D'ÉNERGIE ÉLECTRIQUE (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 .....
11,598,190 1,546,189 650,326 329,225 7,425,968 104,856 630 1,540,996	1,926,011 343,041 90,534 50,166 1,200,570 22,687 46 219,167	196,378 45,448 34,092 25,464 64,097 7,935 26 18,718	522,688 47,575 40,947 42,822 126,274 1,846,048 2,487 52,644	2,469,425 174,454 110,614 51,587 19,402 2,622 284,698	<b>KILOWATT-HEURE CONSOMMÉS AU CANADA</b> ..... (MILLIERS) Service domestique ..... Eclairage commercial ..... reste force motrice ..... Grosse force motrice ..... Eclairage des rues ..... Service gratuit (autre que l'éclairage des rues) ..... Portes .....

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

TABLE 15 - FUEL, 1941

	Bituminous Coal Charbon bitumineux			
	Canadian - Canadien		Imported - Importé	
	Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
CANADA .....	416,138	1,659,621	953	5,708
Prince Edward Island .....	8,696	55,044	-	-
Nova Scotia .....	183,074	774,392	-	-
New Brunswick .....	81,682	356,180	519	2,485
Quebec .....	-	-	434	3,223
Ontario .....	260	1,240	-	-
Manitoba .....	4,330	19,365	-	-
Saskatchewan .....	91,643	348,893	-	-
Alberta .....	26,425	26,885	-	-
British Columbia and Yukon .....	20,028	77,622	-	-
	Fuel Oil and Diesel Oil Mazout et huile diesel		Wood Bois	
	Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
CANADA .....	11,566,606	750,497	9,043	32,542
Prince Edward Island .....	248,436	26,981	200	900
Nova Scotia .....	116,455	11,846	-	-
New Brunswick .....	74,483	7,962	-	-
Quebec .....	426,533	39,616	150	450
Ontario .....	230,752	22,399	500	700
Manitoba .....	233,608	28,639	7,993	30,192
Saskatchewan .....	8,425,410	459,191	200	300
Alberta .....	404,202	54,917	-	-
British Columbia and Yukon .....	1,408,727	98,946	-	-

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

## TABLEAU 15 - COMBUSTIBLE, 1941

<u>Lignite Coal</u> Charbon Lignite		<u>Gasolene</u> Gasoline		<u>Kerosene</u> Kérosène	
Canadian - Canadien		<u>Gasolene</u> Gasoline		<u>Kerosene</u> Kérosène	
Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur	Quantity Quantité	Value Valeur
209,800	384,364	18,074	3,879	8,111	1,482
-	-	215	47	-	-
-	-	-	-	-	-
-	-	-	-	-	-
-	-	150	40	-	-
-	-	-	-	-	-
-	-	635	205	160	24
64,594	116,578	9,920	1,997	3,130	496
145,206	267,786	6,821	1,388	4,812	957
-	-	333	202	9	5
<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
3,249,618	32,116	633,746	46,712	17,007	2,933,928
-	-	-	-	-	82,972
3,248,800	31,960	-	-	1,007	819,205
-	-	-	-	-	366,627
-	-	-	-	-	43,329
-	-	-	-	-	24,339
-	-	-	-	-	78,425
-	-	-	-	-	927,455
818	156	633,746	46,712	-	398,801
-	-	-	-	16,000	192,775

Note: Tonne = 2,000 livres.  
 Gallon = Impérial.  
 Corde = 128 pds. cu.

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