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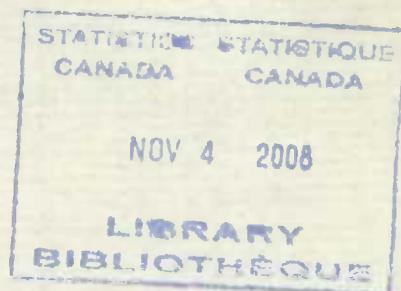
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CANADA
DEPARTMENT OF TRADE AND COMMERCE
DOMINION BUREAU OF STATISTICS
PUBLIC UTILITIES BRANCH

INDEX NUMBERS
of
Rates for Electricity for Residence Lighting
and
Tables of Monthly Bills for Domestic Service
Commercial Light and Small Power

1926/36.



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INDEX NUMBERS
OF
RATES FOR ELECTRICITY FOR RESIDENCE LIGHTING
AND
TABLES OF MONTHLY BILLS FOR DOMESTIC SERVICE,
COMMERCIAL LIGHT AND SMALL POWER

The "cost of electricity" is one of the most controversial topics in Canada and in the United States, and, quite probably, in many other countries. Also, it is seldom that a satisfactory explanation is given of the many differences in rates that exist. This is due chiefly to the fact that there is no "cost of electricity" in the same sense as cost of flour, sugar, milk and such like which enter into the budget of the housewife where the cost of ten pounds is approximately ten times the cost of one pound. To simplify the discussion of the factors entering into the cost of electricity, it might be well to first define a few of the terms used in the light and power industry.

(1) The unit of power measuring the capacity of lamps, stoves, motors, etc. is the watt which is equivalent to .001341 horse-power, or is the force necessary to lift .7375 pounds one foot in one second. Consequently it is a rate and must be exerted during a period of time to produce a unit of work.

(2) The unit of electricity is the watt hour which is electric energy of one watt used one hour. The kilowatt hour, or one thousand watt hours, is the unit commonly used.

(3) Another unit used in measuring power sold is the horse-power year, commonly spoken of as horse-power, which is the energy sufficient to do work at the rate of one horse-power continuously for one year.

(4) The connected load is the total capacity of lamps, electric appliances, motors, etc. connected to the service wires. In some municipalities charges are based on 75 per cent, or some other per cent, of the connected load; or the maximum load used during a stated period is measured and used as the basis. The period varies from instantaneous to a maximum of 30 minutes.

(5) Load factor is the ratio of maximum load or power demanded or delivered, as the case may be, to the average load or power demanded or delivered. The average is computed by dividing the total number of kilowatt hours by the number of hours and consequently there may be a daily, monthly or yearly load factor, according to the period used.

(6) Power factor may be expressed as the ratio between the amount of energy supplied to a motor or electrical appliance and the amount registered by the watt hour meter. It is a characteristic of individual motors or groups of motors and a system with low power factor is generally penalized by the power company.

The ideal bill for electric energy should cover all operating costs and capital charges plus a profit. The capital charges per unit of capacity will vary with different plants and will be considerably higher for plants using water power than for plants using steam or internal combustion engines. Also the operating costs per unit of capacity of hydro-electric plants will be less than for plants using fuel and, within fairly wide limits, will not increase with increased production as in fuel plants where increased production means larger consumption of fuel.

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To electric light and power operators, the above are just the A.B.C.'s of the industry, but to many consumers it may be all "Greek." However, it is necessary to understand these factors to grasp the difficulties of rate making.

It is quite obvious that the costs for reading meters, computing, rendering and collecting monthly bills are the same for a large consumption as for a small one. Consequently the charge for this service would be negligible per kilowatt hour for a large power bill but might be a considerable charge per kilowatt hour for a small domestic service bill. The capital charge per kilowatt hour for poles, wires and meters is in the same category, although the total would be slightly higher for the heavier wires required by the power customer than for the domestic service customer.

The readiness to supply service is probably the most contentious item in the rate structure. It is the charge made for equipment held in readiness to supply electric energy when wanted by the customer. It is quite obvious that for a domestic service customer, using the maximum capacity of connected load only occasionally, or only for short periods each day, or, in other words, having a very low daily and yearly load factor, this charge would be much higher per kilowatt hour than for a factory operating fairly steadily 8 or 10 hours per day and much more so than for an industry operating 24 hours per day throughout the year. In other words, the charge for "readiness to serve" must be relatively higher for a customer with a low load factor than for one with a high load factor.

Power factors affect motors more than lamps and generally enter into power rates only, the common method being to make an additional charge for motors with low power factors.

From the above description of the factors entering into the rate structure for domestic light and for power, and for hydro-electric plants and for fuel-using plants, it is quite apparent that rates for electricity will vary considerably between different classes of customers, both as to use and size and also as between different classes of plants. Also, although the rates may vary, the actual cost for similar services in different municipalities may be approximately the same.

The common method of charging for domestic service includes, (1) a monthly service charge, either at a flat rate or at a rate which is increased with the size of the load, (Instead of measuring the total capacity of all lights and appliances, the floor area of the house is sometimes used as indicating the size of the load.) and (2), an energy or consumption charge per kilowatt hour. The energy charge is generally on a sliding scale, the rate per kilowatt hour being reduced as the consumption is increased. The first is to cover, in part, the costs which are unaffected by the quantity of electricity used. An example of a monthly bill is as follows:

Service charge 33 cents

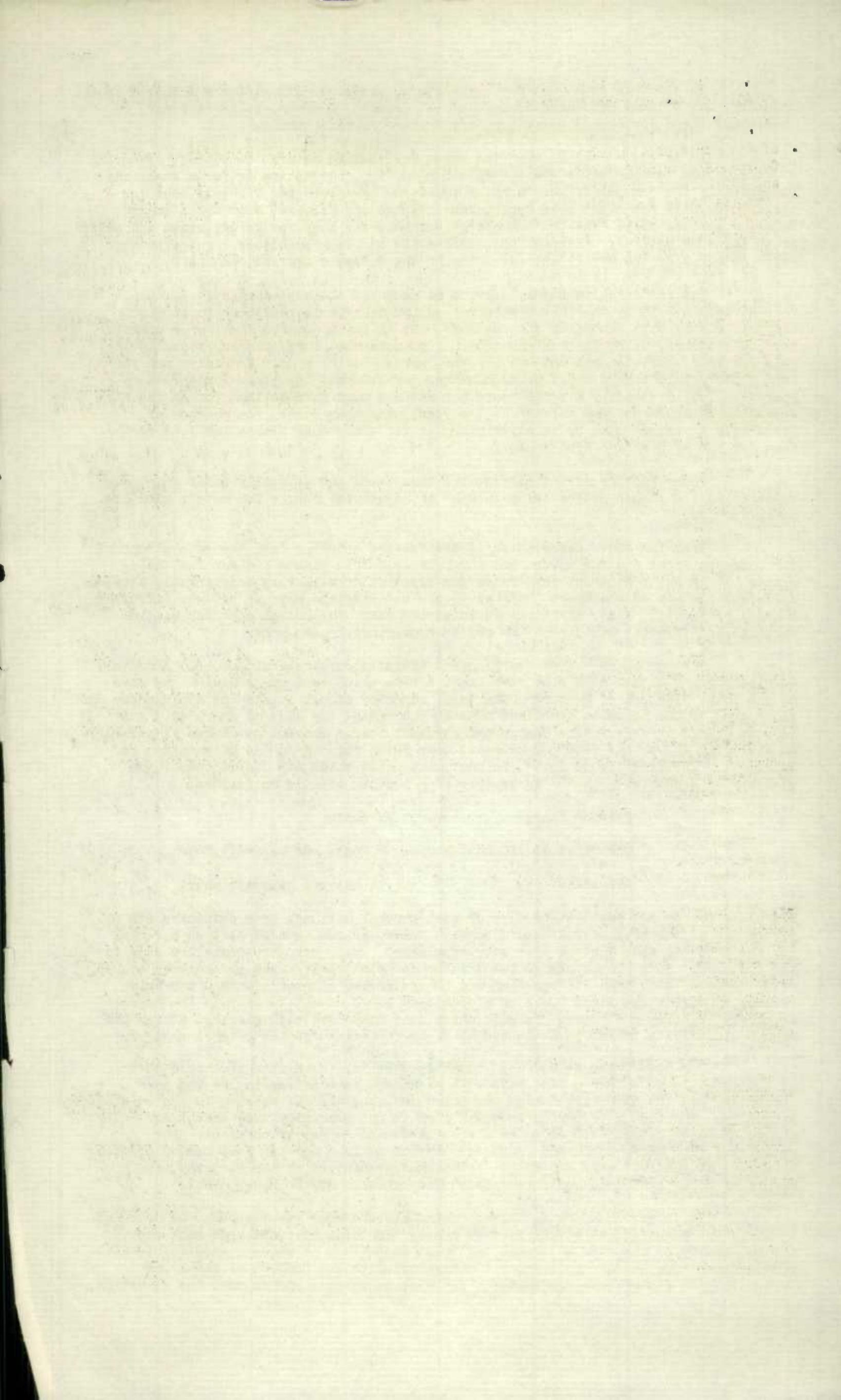
For first 60 kilowatt hours.. 2 cents per kilowatt hour

All additional " " . 1 cent per kilowatt hour.

Discounts for prompt payment are more or less general although some companies add a percentage of the bill if not paid promptly. Also, in some municipalities a rental for the meter is made instead of a service charge. This, however, means the same to the customer. Some plants charge lower rates for electricity used in electric stoves, water heaters, etc. than for lighting and others arrive at approximately the same results by making the first block of electricity large enough to include the majority of purely lighting customers. In such cases only customers with electric stoves use enough electricity to get into the second block for which the low rate is charged.

For power, the method most commonly used is, (1) a rate per horse-power of connected load, either a flat rate or a graduated rate decreasing as the load increases, and (2) an energy charge per kilowatt hour, also decreasing as the consumption increases. The flat rate per horse-power year is not generally used except for interchange of power between companies or where the demand is fairly constant. For industries with heavy loads and large consumption it is a more or less common practice to arrive at special rates according to the characteristics of the industry, the amount of power available and other conditions existing at the power plant.

It is quite apparent that approximately the same results might be obtained by different combinations of the factors making the total bill and also that, due to the complexity of the rate structure, a direct comparison of rates themselves is not practicable. The Bureau, however, was confronted with the problem of supplying information to answer numerous requests for such comparison and to meet the situation,



at least in part, it was decided to compute bills for specific loads and specific quantities and compare the bills.

The first step was to select loads and quantities which were typical to the majority of the municipalities for which bills were to be computed. In the 1925 report on Central Electric Stations, bills were computed for domestic light for 15 - 20 - 40 - 60 and 180 kilowatt hours per month for 1913, 1923, 1924 and 1925 and index numbers computed using the 1913 bills as the base. In the 1926 report these were brought up to 1926 for practically every municipality in Canada for which comparable data for these years were available. In this report bills for the same quantities have been computed for 1926 - 1930 for all cities and towns having a population of 8,000 or over, according to the 1921 census. It is quite possible that some towns having populations of less than 8,000 at that time are now larger than some of the towns selected, but with a limited office staff it was not possible to include all municipalities and the selection was made according to the latest official data available. This report also includes data for the same municipalities on commercial light and small power customers. No attempt was made to compute bills for large power customers due to the special considerations generally granted such customers. It should not be taken to mean, however, that regular tariff rates do not extend beyond loads of 100 horse-power because in many municipalities the same rates apply for all loads up to 500 horse-power.

The index numbers were computed with 1926 bills as the base to conform with other index numbers computed by the Bureau. The index number for Canada for 1930, weighted by the number of domestic service customers in each of these municipalities, was 92.33. The greatest provincial decrease was in Nova Scotia where the index number was 79.39 which means that the average cost of electricity for domestic light, etc. in the five largest municipalities was 20.61 per cent less in 1930 than in 1926. It will be noted from the tables that the big decreases were made in 1930.

These index numbers, of course, indicate only the changes and do not show which bills are high or low. Also, while the bills show the relative cost in different municipalities, it should be remembered that these costs are only for these specific quantities. Different quantities would give different average rates per kilowatt hour and different comparisons as between municipalities as shown in the following. Although the lighting rate is 3 cents net per kilowatt hour, the average cost per kilowatt hour for all electricity used in Winnipeg is less than 1 cent, due to the large quantities of electricity used for cooking and heating water which costs 0.9 cent per kilowatt hour. For lighting, 60 kilowatt hours cost \$1.80 in Winnipeg, as against \$1.40 in Ottawa, or an average of 3 cents in Winnipeg and 2.3 cents in Ottawa, but a combined consumption of 60 kilowatt hours for lighting and 440 kilowatt hours for cooking, etc. would cost \$5.76 in Winnipeg and \$3.55 in Ottawa, or averages per kilowatt hour of 1.13 cents in Winnipeg and 0.71 cent in Ottawa. In London, Ontario, the cost for 60 kilowatt hours would be approximately the same as in Ottawa but for 500 kilowatt hours it would be 1.25 cents per kilowatt hour.

There is no end to such comparisons which can be made but the bills compiled will give some idea of the relative costs in the municipalities selected. To give some idea of the cost of electricity for combined lighting and cooking, bills were computed also for total consumptions of 300 kilowatt hours, made up of 80 kilowatt hours for lighting and 220 kilowatt hours for cooking. Although this quantity is small for municipalities where the unit price is low, it will be approximately the average for a large number of municipalities. An electric stove was estimated to have a total capacity of 8 kilowatts and an average load of 3 to $3\frac{1}{2}$ kilowatts. Consequently, the consumption of 220 kilowatt hours allows an average use of around 2 to $2\frac{1}{2}$ hours per day for the average load.

The loads used in computing the bills for power were 5, 25 and 100 horse-power. These were not the connected loads in all cases as in some municipalities the rates were based on 75 per cent, or other per cent, of the connected load or on the measured peak taken over varying intervals. In this respect these bills are not directly comparable. For the majority of the municipalities, however, the load for which the bill was made was the same as the connected load. The kilowatt hours were the loads multiplied by the hours use. Thus, in a municipality where the bills were computed on the base of 80 per cent of the connected load, 200 hours use of 100 horse-power would be for a connected load of 125 horse-power using 14,914 kilowatt hours per month. This would be equivalent to a load factor of 22.5 per cent and to the consumption of a motor working at 80 per cent of capacity for 8 hours for 25 days per month. Similarly, 100 hours use, or a consumption of 7,457 kilowatt hours, would be equivalent to a 125 horse-power motor working at an average of 37.5 per cent of total capacity 8 hours per day for 25 days per month. The same methods were used in computing bills for commercial light.

-4-

A comparison of the costs of electricity in Montreal, Toronto and Winnipeg with costs for similar services and quantities in fifteen large cities in the United States indicates that for domestic service the cost in Canada was approximately one-half the cost in the United States and for small power customers it was about one-fifth less. For domestic service the cost of 40 kilowatt hours per month was used as a basis for this comparison and, for power, 100 horse-power using 7,457 kilowatt hours per month was used. The unweighted averages were used, but if they had been weighted by the populations or number of customers the differences in costs would have been still greater.

Comparisons of costs of power to large consumers become complicated by load factors, power factors, quantities, etc. and although the average revenue per kilowatt hour for the entire output of central electric stations in 1929 was about one-third of the same average in the United States, it is quite possible that some classes of customers were on even footing and that, for other classes, the cost was even less in the United States than in Canada.

We again wish to caution the reader against using the comparison of costs for specific quantities for specific uses as the criterion of costs in general or of costs of other quantities or uses.

INDEX NUMBERS

OF

DOMESTIC ELECTRIC LIGHT BILLS

1930

(Base 1926 = 100)

<u>Province</u>	<u>Index Number[#]</u>
Prince Edward Island	84.00
Nova Scotia	79.39
New Brunswick	96.95
Quebec	87.62
Ontario	98.80
Manitoba	99.06
Saskatchewan	82.43
Alberta	83.01
British Columbia	86.27
CANADA	92.33

- Weighted by the number of customers.

MONTHLY BILLS AND INDEX NUMBERS1926 to 1930ELECTRICITY FOR RESIDENCE LIGHTING

(Base, 1926 bills = 100)

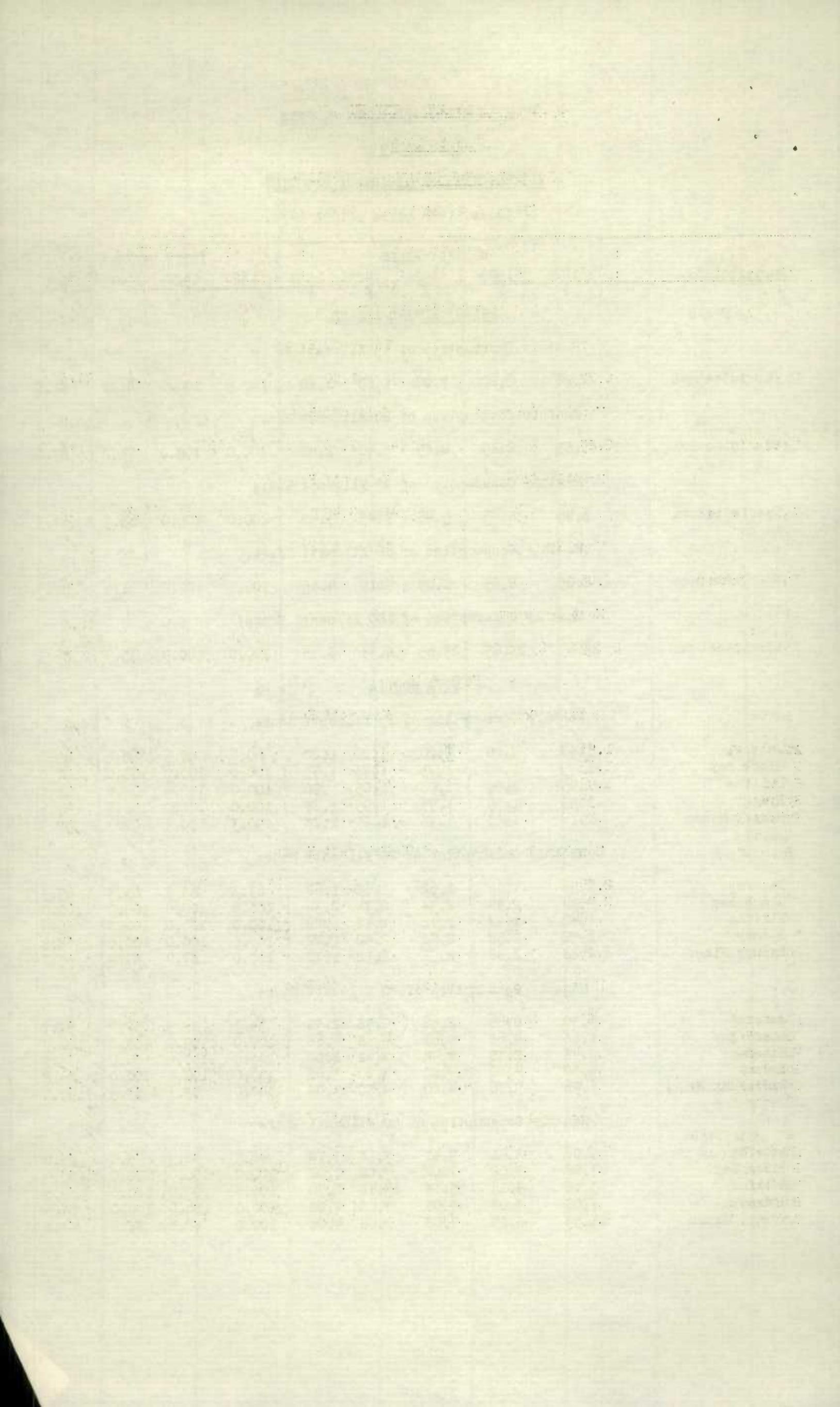
Municipality	MONTHLY BILLS					INDEX NUMBERS			
	1926	1927	1928	1929	1930	1927	1928	1929	1930
	\$	\$	\$	\$	\$				

PRINCE EDWARD ISLAND

	Monthly Consumption of 15 Kilowatt Hours								
Charlottetown	2.20	2.20	2.20	1.80	1.80	100.0	100.0	81.8	81.8
Monthly Consumption of 20 Kilowatt Hours									
Charlottetown	2.85	2.85	2.85	2.40	2.40	100.0	100.0	84.2	84.2
Monthly Consumption of 40 Kilowatt Hours									
Charlottetown	5.45	5.45	5.45	3.45	3.45	100.0	100.0	63.3	63.3
Monthly Consumption of 60 Kilowatt Hours									
Charlottetown	8.05	8.05	8.05	4.15	4.15	100.0	100.0	51.5	51.5
Monthly Consumption of 180 Kilowatt Hours									
Charlottetown	23.65	23.65	23.65	8.35	8.35	100.0	100.0	35.3	35.3

NOVA SCOTIA

	Monthly Consumption of 15 Kilowatt Hours								
Amherst	1.98	1.20	1.20	1.20	1.20	60.6	60.6	60.6	60.6
Glace Bay	1.75	1.75	1.75	1.75	1.75	100.0	100.0	100.0	100.0
Halifax	1.05	1.05	1.05	1.05	.90	100.0	100.0	100.0	85.7
Sydney	1.95	1.95	1.95	1.95	1.28	100.0	100.0	100.0	65.6
Sydney Mines	2.16	1.95	1.95	1.95	1.28	90.3	90.3	90.3	59.3
Monthly Consumption of 20 Kilowatt Hours									
Amherst	2.56	1.62	1.62	1.62	1.62	63.3	63.3	63.3	63.3
Glace Bay	2.34	2.34	2.34	2.34	2.34	100.0	100.0	100.0	100.0
Halifax	1.42	1.42	1.42	1.42	1.22	100.0	100.0	100.0	85.9
Sydney	2.52	2.52	2.52	2.52	1.72	100.0	100.0	100.0	68.2
Sydney Mines	2.88	2.88	2.52	2.52	1.72	100.0	87.4	87.4	59.7
Monthly Consumption of 40 Kilowatt Hours									
Amherst	4.90	2.66	2.66	2.58	2.58	54.3	54.3	52.7	52.7
Glace Bay	4.68	4.68	4.68	4.68	4.68	100.0	100.0	100.0	100.0
Halifax	2.48	2.48	2.48	2.48	2.08	100.0	100.0	100.0	83.9
Sydney	4.80	4.80	4.80	4.80	3.08	100.0	100.0	100.0	64.2
Sydney Mines	5.76	5.76	4.80	4.80	3.08	100.0	83.3	83.3	53.5
Monthly Consumption of 60 Kilowatt Hours									
Amherst	7.06	3.41	3.41	3.18	3.18	48.3	48.3	45.0	45.0
Glace Bay	7.02	7.02	7.02	7.02	7.02	100.0	100.0	100.0	100.0
Halifax	3.18	3.18	3.18	3.18	2.70	100.0	100.0	100.0	84.6
Sydney	7.08	7.08	7.08	7.08	4.08	100.0	100.0	100.0	57.6
Sydney Mines	8.55	8.55	7.08	7.08	4.08	100.0	82.8	82.8	47.7



ELECTRICITY FOR RESIDENCE LIGHTING

Municipality	MONTHLY BILLS					INDEX NUMBERS			
	1926	1927	1928	1929	1930	1927	1928	1929	1930
	\$	\$	\$	\$	\$				

NOVA SCOTIA

Monthly Consumption of 180 Kilowatt Hours

Amherst	18.94	8.03	8.03	6.90	6.90	42.4	42.4	36.4	36.4
Glace Bay	21.06	21.06	21.06	21.06	21.06	100.0	100.0	100.0	100.0
Halifax	6.60	6.60	6.60	6.60	6.00	100.0	100.0	100.0	90.9
Sydney	19.66	19.66	19.66	17.48	8.40	100.0	100.0	88.9	42.7
Sydney Mines	24.48	24.48	19.66	19.66	8.40	100.0	80.3	80.3	34.3

NEW BRUNSWICK

Monthly Consumption of 15 Kilowatt Hours

Fredericton	1.50	1.65	1.65	1.65	1.65	110.0	110.0	110.0	110.0
Moncton	1.20	1.20	1.20	1.20	1.20	100.0	100.0	100.0	100.0
Saint John	.88	.88	.88	.88	.88	100.0	100.0	100.0	100.0

Monthly Consumption of 20 Kilowatt Hours

Fredericton	2.00	1.90	1.90	1.90	1.90	95.0	95.0	95.0	95.0
Moncton	1.60	1.60	1.60	1.60	1.60	100.0	100.0	100.0	100.0
Saint John	.99	.99	.99	.99	.99	100.0	100.0	100.0	100.0

Monthly Consumption of 40 Kilowatt Hours

Fredericton	3.90	2.80	2.80	2.80	2.80	71.8	71.8	71.8	71.8
Moncton	3.10	3.10	3.10	3.10	3.10	100.0	100.0	100.0	100.0
Saint John	1.44	1.44	1.44	1.44	1.44	100.0	100.0	100.0	100.0

Monthly Consumption of 60 Kilowatt Hours

Fredericton	5.70	3.60	3.60	3.60	3.60	63.2	63.2	63.2	63.2
Moncton	4.50	4.50	4.50	4.50	4.50	100.0	100.0	100.0	100.0
Saint John	1.89	1.89	1.89	1.89	1.89	100.0	100.0	100.0	100.0

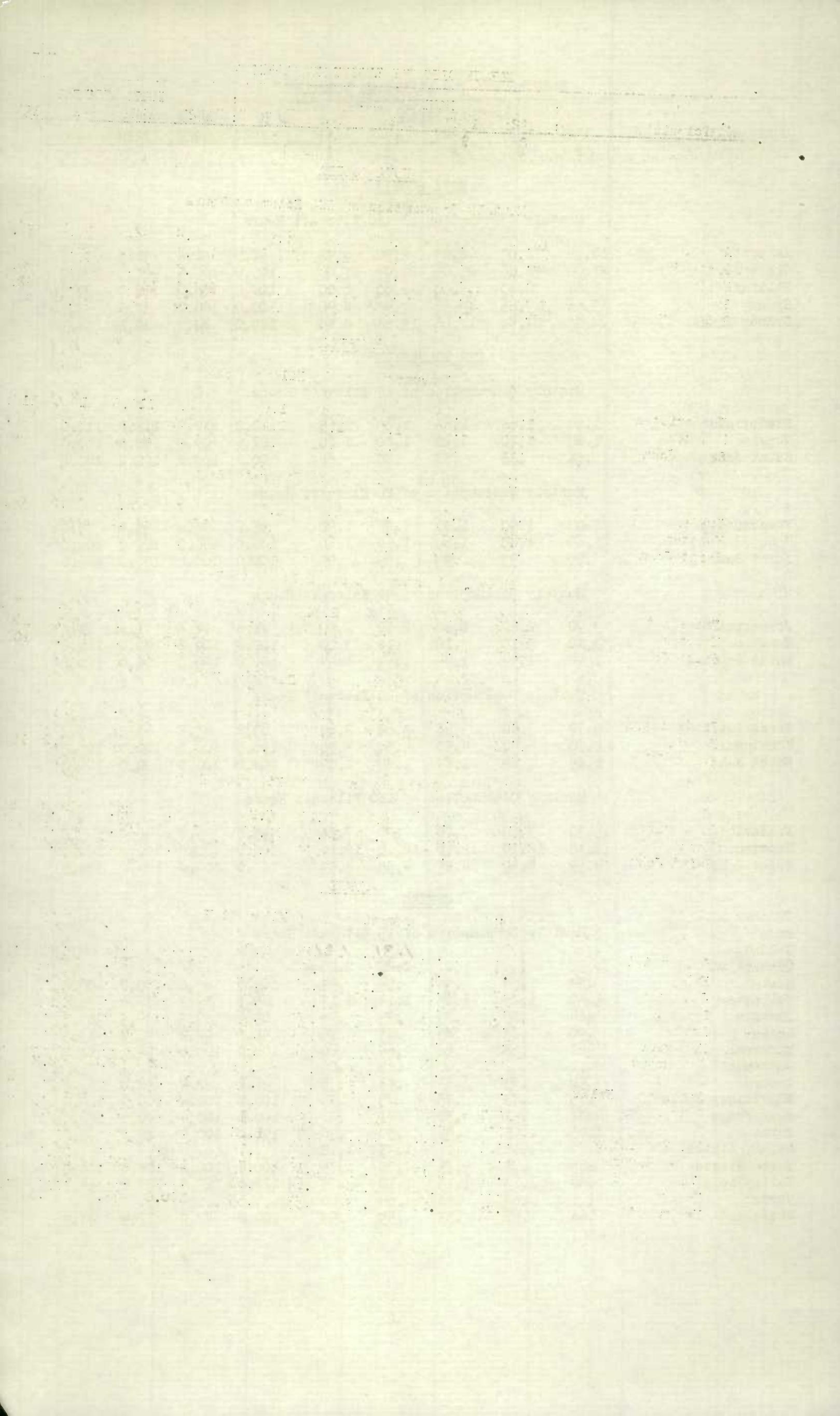
Monthly Consumption of 180 Kilowatt Hours

Fredericton	15.70	7.20	7.20	7.20	7.20	45.8	45.8	45.8	45.8
Moncton	12.10	12.10	12.10	12.10	12.10	100.0	100.0	100.0	100.0
Saint John	4.59	4.59	4.59	4.59	4.59	100.0	100.0	100.0	100.0

QUEBEC

Monthly Consumption of 15 Kilowatt Hours

					1.31	1.31			
Chicoutimi	....	..	..	..	2.20	2.20	....	....	....
Hull	.54	.54	.54	.54	.54	.54	100.0	100.0	100.0
Joliette	1.40	1.25	1.25	1.17	1.17	1.17	89.3	89.3	78.6
Lachine	.84	.75	.75	.75	.75	.75	89.3	89.3	89.3
Levis	.90	.83	.83	.83	.83	.83	92.2	92.2	92.2
Montreal	.68	.68	.68	.64	.64	.64	100.0	100.0	94.1
Outremont	...	..	..	.64	.64	.64	...	...	...
Quebec	.90	.83	.83	.83	.83	.83	92.2	92.2	92.2
Shawinigan Falls	.75	.75	.75	.75	.75	.75	100.0	100.0	100.0
Sherbrooke	.81	.81	.81	.81	.81	.81	100.0	100.0	100.0
Sorel	1.05	1.05	1.05	.90	.90	.90	100.0	100.0	85.7
St. Hyacinthe	....	....	....	1.35	1.12	1.12	....	....	....
Three Rivers	.75	.75	.75	.75	.75	.75	100.0	100.0	100.0
Valleyfield	.89	1.13	1.13	1.10	.75	.75	127.0	127.0	123.6
Verdun	...	.68	.68	.64	.60	.60	....	....	....
Westmount	.68	.68	.53	.53	.53	.53	100.0	77.9	77.9



ELECTRICITY FOR RESIDENCE LIGHTING

Municipality	MONTHLY BILLS					INDEX NUMBERS			
	1926	1927	1928	1929	1930	1927	1928	1929	1930
	\$	\$	\$	\$	\$				

QUEBEC

Monthly Consumption of 20 Kilowatt Hours

					1.67	1.67			
					2.56	2.56			
Chicoutimi	...	...	...	...	
Hull	.74	.74	.74	.74	.74	100.0	100.0	100.0	100.0
Joliette	1.80	1.60	1.60	1.50	1.50	88.8	88.8	79.4	79.4
Lachine	1.08	.99	.99	.99	.99	91.7	91.7	91.7	91.7
Levis	1.20	1.10	1.10	1.10	1.00	91.7	91.7	91.7	83.3
Montreal	.85	.85	.85	.80	.75	100.0	100.0	94.1	88.2
Outremont	...	...	...	.80	.75	...	...	...	...
Quebec	1.20	1.10	1.10	1.10	1.00	91.7	91.7	91.7	83.3
Shawinigan Falls	...	1.00	1.00	1.00	1.00	...	...	...	...
Sherbrooke	1.08	1.08	1.08	1.08	1.08	100.0	100.0	100.0	100.0
Sorel	1.40	1.40	1.40	1.20	1.20	100.0	100.0	85.7	85.7
St. Hyacinthe	...	...	...	1.65	1.50	...	...	...	...
Three Rivers	1.00	1.00	1.00	1.00	1.00	100.0	100.0	100.0	100.0
Valleyfield	1.15	1.43	1.43	1.36	1.00	124.3	124.3	118.3	86.9
Verdun	...	.85	.85	.80	.75	...	...	...	...
Westmount	.85	.85	.65	.65	.65	100.0	76.5	76.5	76.5

Monthly Consumption of 40 Kilowatt Hours

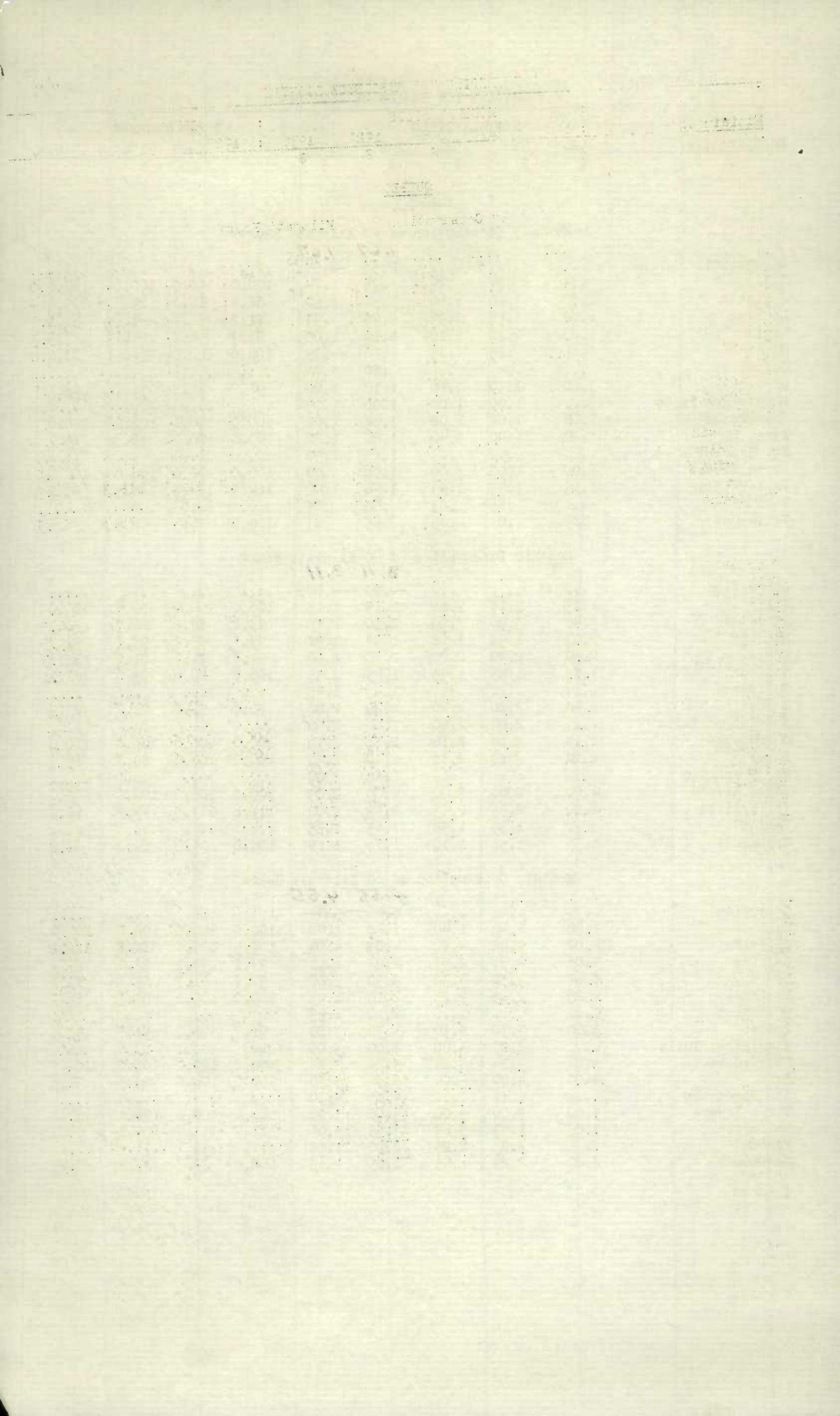
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					3.11	3.11			
Chicoutimi	4.00	4.00
Hull	1.15	1.15	1.15	1.15	1.15	100.0	100.0	100.0	100.0
Joliette	3.40	3.00	3.00	2.80	2.80	88.2	88.2	80.3	80.3
Lachine	2.07	1.98	1.98	1.98	1.98	95.7	95.7	95.7	95.7
Levis	2.40	2.20	2.20	2.20	2.00	91.7	91.7	91.7	83.3
Montreal	1.55	1.55	1.55	1.45	1.35	100.0	100.0	93.6	87.1
Outremont	...	...	...	1.45	1.35	...	...	...	...
Quebec	2.40	2.20	2.20	2.20	2.00	91.7	91.7	91.7	83.3
Shawinigan Falls	...	2.00	2.00	2.00	2.00	...	...	...	...
Sherbrooke	2.16	2.16	2.16	2.16	2.16	100.0	100.0	100.0	100.0
Sorel	2.80	2.80	2.80	2.40	2.40	100.0	100.0	85.7	85.7
St. Hyacinthe	...	...	...	2.85	3.00	...	...	...	...
Three Rivers	2.00	2.00	2.00	2.00	2.00	100.0	100.0	100.0	100.0
Valleyfield	2.20	2.53	2.53	2.49	2.00	113.6	113.6	113.2	90.9
Verdun	...	1.55	1.55	1.45	1.35	...	...	...	...
Westmount	1.55	1.55	1.15	1.15	1.15	100.0	74.2	74.2	74.2

Monthly Consumption of 60 Kilowatt Hours

~~4.55~~ 4.55

					4.55	4.55			
Chicoutimi	...	...	...	5.44	5.44	...	...	...	...
Hull	1.40	1.40	1.40	1.40	1.40	100.0	100.0	100.0	100.0
Joliette	4.02	4.40	4.40	4.03	4.03	109.5	109.5	100.2	100.2
Lachine	3.06	2.97	2.97	2.97	2.97	97.1	97.1	97.1	97.1
Levis	3.60	3.30	3.30	3.30	3.00	91.7	91.7	91.7	83.3
Montreal	2.25	2.25	2.25	2.10	1.95	100.0	100.0	93.3	86.7
Outremont	...	...	...	2.10	1.95	...	...	...	...
Quebec	3.60	3.30	3.30	3.30	3.00	91.7	91.7	91.7	83.3
Shawinigan Falls	...	3.00	3.00	3.00	3.00	...	...	...	...
Sherbrooke	3.24	3.24	3.24	3.24	3.24	100.0	100.0	100.0	100.0
Sorel	4.00	4.00	4.00	3.50	3.50	100.0	100.0	87.5	87.5
St. Hyacinthe	...	...	...	4.05	4.50	...	...	...	...
Three Rivers	3.00	3.00	3.00	3.00	3.00	100.0	100.0	100.0	100.0
Valleyfield	3.25	3.63	3.63	3.59	3.00	111.7	111.7	109.1	92.3
Verdun	...	2.25	2.25	2.10	1.95	...	...	...	...
Westmount	2.25	2.25	1.65	1.65	1.65	100.0	73.3	73.3	73.3



ELECTRICITY FOR RESIDENCE LIGHTING

Municipality	MONTHLY BILLS					INDEX NUMBERS			
	1926	1927	1928	1929	1930	1927	1928	1929	1930
	\$	\$	\$	\$	\$				

QUEBEC

Monthly Consumption of 180 Kilowatt Hours

13.19 / 15.19

Chicoutimi	....	....	....	14.08	14.08	....	....	....	....
Hull	2.70	2.70	2.70	2.70	2.70	100.0	100.0	100.0	100.0
Joliette	12.68	12.80	12.80	10.34	10.34	100.9	100.9	80.9	80.9
Lachine	8.09	8.91	8.91	8.91	8.91	110.1	110.1	110.1	110.1
Levis	10.80	9.90	9.90	9.90	9.00	91.7	91.7	91.7	83.3
Montreal	6.45	6.45	6.45	6.00	5.57	100.0	100.0	93.0	86.1
Outremont	....	....	....	6.00	5.55	....	....	....	....
Quebec	10.80	9.90	9.90	9.90	9.00	91.7	91.7	91.7	83.3
Shawinigan Falls	....	9.00	9.00	9.00	9.00	....	....	....	....
Sherbrooke	9.72	9.72	9.72	9.72	9.72	100.0	100.0	100.0	100.0
Sorel	10.00	10.00	10.00	9.50	9.50	100.0	100.0	95.0	95.0
St. Hyacinthe	....	....	....	11.25	13.50	....	....	....	....
Three Rivers	9.00	9.00	9.00	9.00	9.00	100.0	100.0	100.0	100.0
Valleyfield	9.55	9.99	9.99	9.99	9.00	104.6	104.6	104.6	94.2
Verdun	....	6.45	6.45	6.00	5.55	....	....	....	....
Westmount	6.45	6.45	4.65	4.65	4.65	100.0	72.1	72.1	72.1

ONTARIO

Monthly Consumption of 15 Kilowatt Hours

Belleville	.75	.84	.84	.84	.75	112.0	112.0	112.0	100.0
Brantford	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Brockville	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Chatham	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Fort William	.50	.50	.50	.75	.75	100.0	100.0	150.0	150.0
Galt	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Guelph	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Hamilton	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Kingston	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Kitchener	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
London	.75	.75	.75	.57	.57	100.0	100.0	76.0	76.0
Niagara Falls	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
North Bay	.72	.72	.84	.84	.84	100.0	115.7	116.7	116.7
Orillia	.51	.51	.50	.50	.50	100.0	98.0	98.0	98.0
Oshawa	.67	.91	.91	.77	.77	135.8	135.8	114.9	114.9
Ottawa	.54	.54	.54	.54	.54	100.0	100.0	100.0	100.0
Owen Sound	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Peterborough	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Port Arthur	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Saint Catharines	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Saint Thomas	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Sarnia	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Sault Ste. Marie	.50	.50	.50	.35	.35	100.0	100.0	70.0	70.0
Stratford	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Toronto	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Welland	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Windsor	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Woodstock	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0

Monthly Consumption of 20 Kilowatt Hours

Belleville	.92	1.02	1.02	1.02	.84	110.9	110.9	110.9	91.3
Brantford	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Brockville	.84	.75	.75	.75	.75	89.3	89.3	89.3	89.3
Chatham	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Fort William	.54	.54	.54	.75	.75	100.0	100.0	138.9	138.9
Galt	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Guelph	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Hamilton	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Kingston	.92	.75	.75	.75	.75	81.5	81.5	81.5	81.5
Kitchener	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
London	.75	.75	.75	.66	.66	100.0	100.0	83.0	38.0

ELECTRICITY FOR RESIDENCE LIGHTING

Municipality	MONTHLY BILLS					INDEX NUMBERS			
	1926	1927	1928	1929	1930	1927	1928	1929	1930
	\$	\$	\$	\$	\$				

ONTARIO

Monthly Consumption of 20 Kilowatt Hours (Cont'd.)

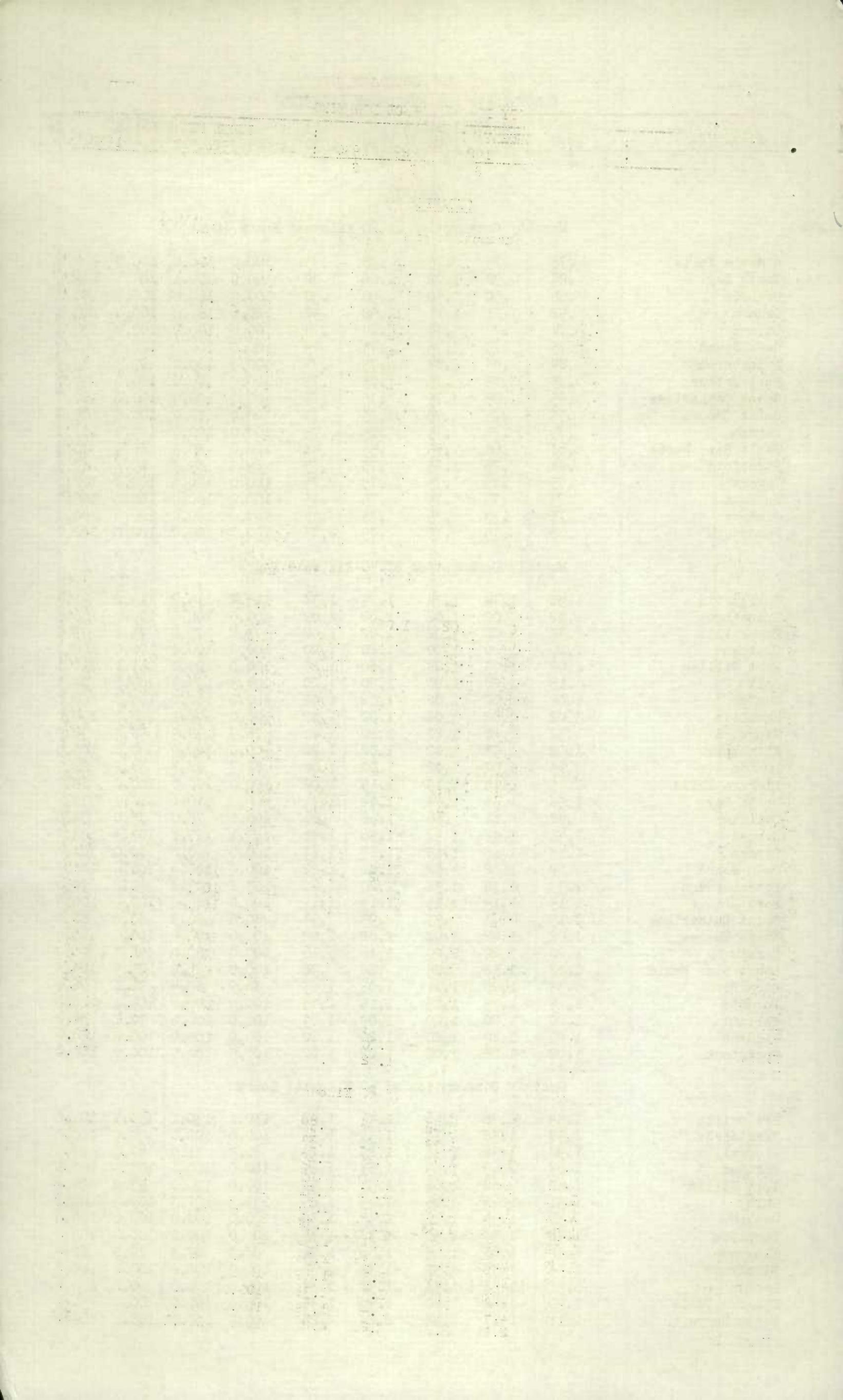
Niagara Falls	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
North Bay	.98	.98	1.02	1.02	1.02	100.0	104.1	104.1	104.1
Orillia	.50	.50	.50	.50	.50	100.0	100.0	100.0	100.0
Oshawa	.92	1.11	1.11	.92	.92	120.6	12.6	100.0	100.0
Ottawa	.74	.74	.74	.74	.74	100.0	100.0	100.0	100.0
Owen Sound	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Peterborough	.84	.84	.84	.75	.75	100.0	100.0	89.3	89.3
Port Arthur	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Saint Catharines	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Saint Thomas	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Sarnia	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Sault Ste. Marie	.68	.68	.55	.55	.48	100.0	80.9	80.9	70.6
Stratford	.84	.75	.75	.75	.75	89.3	89.3	89.3	89.3
Toronto	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Welland	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Windsor	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0
Woodstock	.75	.75	.75	.75	.75	100.0	100.0	100.0	100.0

Monthly Consumption of 40 Kilowatt Hours

Belleville	1.51	1.74	1.74	1.74	1.38	115.2	115.2	115.2	91.4
Brantford	1.02	1.02	1.02	1.02	1.02	100.0	100.0	100.0	100.0
Brockville	1.38	1.02	1.02	1.02	1.02	73.2	73.2	73.2	73.2
Chatham	1.20	1.20	1.20	1.20	1.20	100.0	100.0	100.0	100.0
Fort William	1.08	1.08	1.08	1.20	1.20	100.0	100.0	111.1	111.1
Galt	1.15	1.20	1.20	1.20	1.20	104.3	104.3	104.3	104.3
Guelph	1.02	1.02	1.02	1.02	1.02	100.0	100.0	100.0	100.0
Hamilton	1.02	1.02	1.02	1.02	1.02	100.0	100.0	100.0	100.0
Kingston	1.52	1.20	1.20	1.20	1.20	78.9	78.9	78.9	78.9
Kitchener	1.02	1.02	1.02	1.02	1.02	100.0	100.0	100.0	100.0
London	1.15	1.02	1.02	1.02	1.02	88.7	88.7	88.7	88.7
Niagara Falls	1.15	1.15	1.15	1.15	1.02	100.0	100.0	100.0	88.7
North Bay	1.58	1.58	1.74	1.74	1.74	110.1	110.1	110.1	110.1
Orillia	.88	.88	.66	.66	.66	100.0	75.0	75.0	75.0
Oshawa	1.51	1.92	1.92	1.56	1.56	127.1	127.1	103.3	103.3
Ottawa	1.15	1.15	1.15	1.15	1.15	100.0	100.0	100.0	100.0
Owen Sound	1.02	1.02	1.02	1.02	1.02	100.0	100.0	100.0	100.0
Peterborough	1.33	1.38	1.38	1.20	1.20	103.8	103.8	90.2	90.2
Port Arthur	1.15	1.15	1.15	1.15	1.15	100.0	100.0	100.0	100.0
Saint Catharines	1.15	.93	.93	.93	.93	80.9	80.9	80.9	80.9
Saint Thomas	1.02	1.02	1.02	1.02	1.02	100.0	100.0	100.0	100.0
Sarnia	1.20	1.20	1.20	1.16	1.16	100.0	100.0	96.7	96.7
Sault Ste. Marie	1.12	1.12	.85	.85	.72	100.0	75.9	75.9	64.3
Stratford	1.38	1.20	1.21	1.05	1.05	86.9	80.4	76.1	76.1
Toronto	1.15	1.15	1.15	1.15	1.15	100.0	100.0	100.0	100.0
Welland	1.20	1.20	1.20	1.09	1.09	100.0	100.0	90.8	90.8
Windsor	1.20	1.20	1.20	1.20	1.20	100.0	100.0	100.0	100.0
Woodstock	1.02	1.02	1.02	1.02	1.02	100.0	100.0	100.0	100.0

Monthly Consumption of 60 Kilowatt Hours

Belleville	1.89	2.46	2.46	2.46	1.92	130.1	130.1	130.1	101.6
Brantford	1.38	1.38	1.38	1.38	1.38	100.0	100.0	100.0	100.0
Brockville	1.92	1.38	1.38	1.29	1.29	71.9	71.9	67.3	67.3
Chatham	1.65	1.65	1.65	1.65	1.65	100.0	100.0	100.0	100.0
Fort William	1.62	1.62	1.62	1.51	1.51	100.0	100.0	93.2	93.2
Galt	1.51	1.65	1.65	1.65	1.65	109.3	109.3	109.3	109.3
Guelph	1.38	1.38	1.38	1.38	1.38	100.0	100.0	100.0	100.0
Hamilton	1.38	1.38	1.38	1.38	1.38	100.0	100.0	100.0	100.0
Kingston	1.89	1.65	1.65	1.56	1.56	87.3	87.3	82.5	82.5
Kitchener	1.38	1.38	1.38	1.38	1.38	100.0	100.0	100.0	100.0
London	1.38	1.38	1.38	1.38	1.38	100.0	100.0	100.0	100.0
Niagara Falls	1.40	1.40	1.40	1.40	1.38	100.0	100.0	100.0	98.6
North Bay	2.11	2.11	2.28	2.28	2.28	100.0	108.1	108.1	108.1



ELECTRICITY FOR RESIDENCE LIGHTING

Municipality	MONTHLY BILLS					INDEX NUMBERS			
	: 1926	1927	1928	1929	1930	: 1927	1928	1929	1930
	\$	\$	\$	\$	\$				

ONTARIO

Monthly Consumption of 60 Kilowatt Hours (Cont'd.)

Orillia	1.19	1.19	.84	.84	.84	100.0	70.6	70.6	70.6
Oshawa	1.89	2.50	2.50	1.92	1.92	132.3	132.3	101.6	101.6
Ottawa	1.40	1.40	1.40	1.40	1.40	100.0	100.0	100.0	100.0
Owen Sound	1.38	1.38	1.38	1.38	1.38	100.0	100.0	100.0	100.0
Peterborough	1.65	1.78	1.78	1.54	1.54	107.9	107.9	93.3	93.3
Port Arthur	1.40	1.40	1.40	1.40	1.40	100.0	100.0	100.0	100.0
Saint Catharines	1.40	1.11	1.11	1.11	1.11	79.3	79.3	79.3	79.3
Saint Thomas	1.38	1.38	1.38	1.38	1.38	100.0	100.0	100.0	100.0
Sarnia	1.65	1.65	1.65	1.59	1.59	100.0	100.0	96.4	96.4
Sault Ste. Marie	1.44	1.44	1.12	1.12	.92	100.0	77.8	77.8	63.9
Stratford	1.79	1.65	1.65	1.43	1.43	92.2	92.2	79.9	79.9
Toronto	1.40	1.40	1.40	1.40	1.40	100.0	100.0	100.0	100.0
Welland	1.65	1.65	1.65	1.49	1.49	100.0	100.0	90.3	90.3
Windsor	1.65	1.65	1.65	1.65	1.65	100.0	100.0	100.0	100.0
Woodstock	1.38	1.38	1.38	1.38	1.38	100.0	100.0	100.0	100.0

Monthly Consumption of 180 Kilowatt Hours

Belleville	3.78	4.62	4.62	4.62	3.54	122.2	122.2	122.2	93.7
Brantford	2.46	2.46	2.46	2.46	2.46	100.0	100.0	100.0	100.0
Brockville	3.54	2.73	2.73	2.37	2.37	77.1	77.1	66.9	66.9
Chatham	3.00	3.00	3.00	2.83	2.83	100.0	100.0	94.3	94.3
Fort William	4.86	4.86	4.86	2.59	2.59	100.0	100.0	53.3	53.3
Galt	3.06	3.11	3.11	3.00	3.00	101.6	101.6	97.7	97.7
Guelph	2.46	2.46	2.46	2.46	2.46	100.0	100.0	100.0	100.0
Hamilton	2.75	2.46	2.46	2.46	2.46	89.5	89.5	89.5	89.5
Kingston	3.78	3.27	3.27	3.18	3.18	86.5	86.5	84.1	84.1
Kitchener	2.73	2.73	2.73	2.67	2.67	100.0	100.0	97.8	97.8
London	2.73	2.73	2.73	2.46	2.46	100.0	100.0	90.1	90.1
Niagara Falls	2.70	2.70	2.70	2.70	2.46	100.0	100.0	100.0	91.1
North Bay	4.26	4.26	4.44	4.44	4.44	100.0	104.2	104.2	104.2
Orillia	2.32	2.32	1.92	1.92	1.92	100.0	82.8	82.8	82.8
Oshawa	3.78	4.37	4.37	4.07	4.07	110.3	110.3	107.7	107.7
Ottawa	2.43	2.43	2.43	2.43	2.43	100.0	100.0	100.0	100.0
Owen Sound	2.46	2.46	2.46	2.46	2.46	100.0	100.0	100.0	100.0
Peterborough	3.24	3.40	3.40	2.89	2.89	104.9	104.9	89.8	89.8
Port Arthur	2.70	2.70	2.70	2.70	2.70	100.0	100.0	100.0	100.0
Saint Catharines	2.70	2.19	2.19	2.19	2.19	81.1	81.1	81.1	81.1
Saint Thomas	2.46	2.46	2.46	2.46	2.46	100.0	100.0	100.0	100.0
Sarnia	3.00	3.00	3.00	2.79	2.79	100.0	100.0	93.0	93.0
Sault Ste. Marie	3.20	3.20	2.80	2.80	2.20	100.0	87.5	87.5	68.7
Stratford	3.47	3.27	2.76	2.62	2.78	94.2	79.5	75.5	80.1
Toronto	2.70	2.70	2.70	2.70	2.70	100.0	100.0	100.0	100.0
Welland	3.00	3.00	3.00	2.67	2.67	100.0	100.0	89.0	89.0
Windsor	3.00	3.00	3.00	2.73	2.73	100.0	100.0	91.0	91.0
Woodstock	2.68	2.68	2.68	2.68	2.68	100.0	100.0	100.0	100.0

MANITOBA

Monthly Consumption of 15 Kilowatt Hours

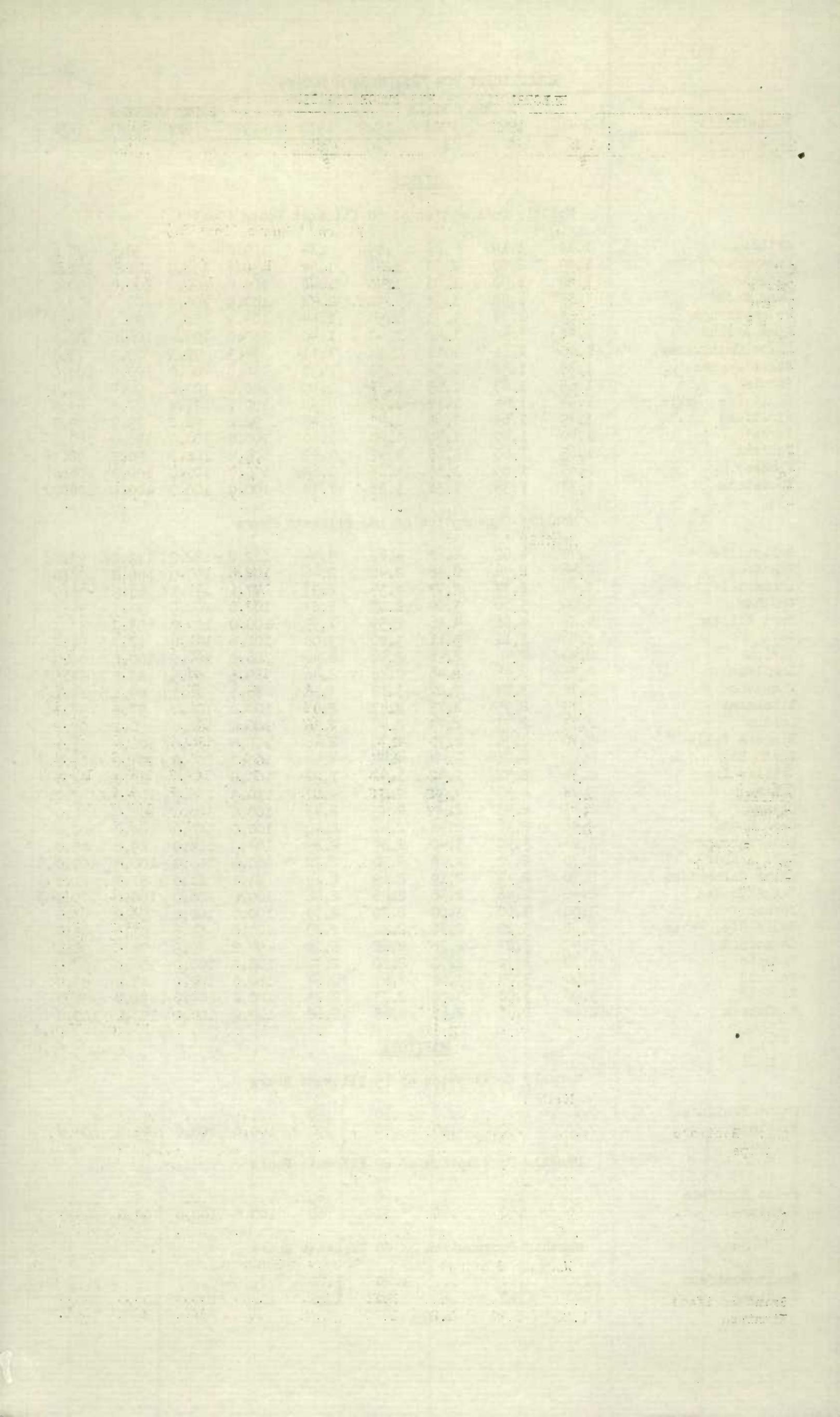
Saint Boniface	....	....	....	.50	.50	....	....	....	....
Winnipeg	.50	.50	.50	.50	.50	100.0	100.0	100.0	100.0

Monthly Consumption of 20 Kilowatt Hours

Saint Boniface	...	...	...	.60	.60	....	....	....	....
Winnipeg	.60	.60	.60	.60	.60	100.0	100.0	100.0	100.0

Monthly Consumption of 40 Kilowatt Hours

Saint Boniface	...	...	...	1.20	1.20	....	....	....	....
Winnipeg	1.20	1.20	1.20	1.20	1.20	100.0	100.0	100.0	100.0



ELECTRICITY FOR RESIDENCE LIGHTING

Municipality	MONTHLY BILLS					INDEX NUMBERS			
	1926	1927	1928	1929	1930	1927	1928	1929	1930
	\$	\$	\$	\$	\$				

MANITOBA

Monthly Consumption of 60 Kilowatt Hours

Saint Boniface	...	...	...	1.80	1.80	...	...	...	...
Winnipeg	1.80	1.80	1.80	1.80	1.80	100.0	100.0	100.0	100.0

Monthly Consumption of 180 Kilowatt Hours

Saint Boniface	...	...	...	3.72	3.72	...	...	...	...
Winnipeg	3.72	3.72	3.72	3.72	3.72	100.0	100.0	100.0	100.0

SASKATCHEWAN

Monthly Consumption of 15 Kilowatt Hours

Moose Jaw	1.60	1.60	1.40	1.40	1.26	100.0	87.5	87.5	78.7
Regina	1.26	1.13	1.13	1.03	1.03	89.7	89.7	81.7	81.7
Saskatoon	1.20	1.20	1.20	1.08	1.08	100.0	100.0	90.0	90.0

Monthly Consumption of 20 Kilowatt Hours

Moose Jaw	1.95	1.70	1.70	1.70	1.54	87.2	87.2	87.2	78.9
Regina	1.53	1.35	1.35	1.17	1.17	88.2	88.2	76.5	76.5
Saskatoon	1.60	1.60	1.60	1.44	1.44	100.0	100.0	90.0	90.0

Monthly Consumption of 40 Kilowatt Hours

Moose Jaw	3.20	3.20	2.97	2.97	2.67	100.0	92.8	92.8	83.4
Regina	2.43	2.07	2.07	1.89	1.89	85.2	85.2	77.8	77.8
Saskatoon	3.20	3.20	3.20	2.88	2.88	100.0	100.0	90.0	90.0

Monthly Consumption of 60 Kilowatt Hours

Moose Jaw	4.35	4.35	4.15	4.15	3.73	100.0	95.4	95.4	85.7
Regina	3.33	2.79	2.79	2.61	2.61	83.8	83.8	78.4	78.4
Saskatoon	4.80	4.80	4.80	4.32	4.32	100.0	100.0	90.0	90.0

Monthly Consumption of 180 Kilowatt Hours

Moose Jaw	8.70	8.70	8.45	8.45	7.61	100.0	95.9	95.9	87.5
Regina	8.73	7.11	7.11	6.57	6.57	81.4	81.4	75.3	75.3
Saskatoon	13.30	13.30	13.30	11.74	11.74	100.0	100.0	88.3	88.3

ALBERTA

Monthly Consumption of 15 Kilowatt Hours

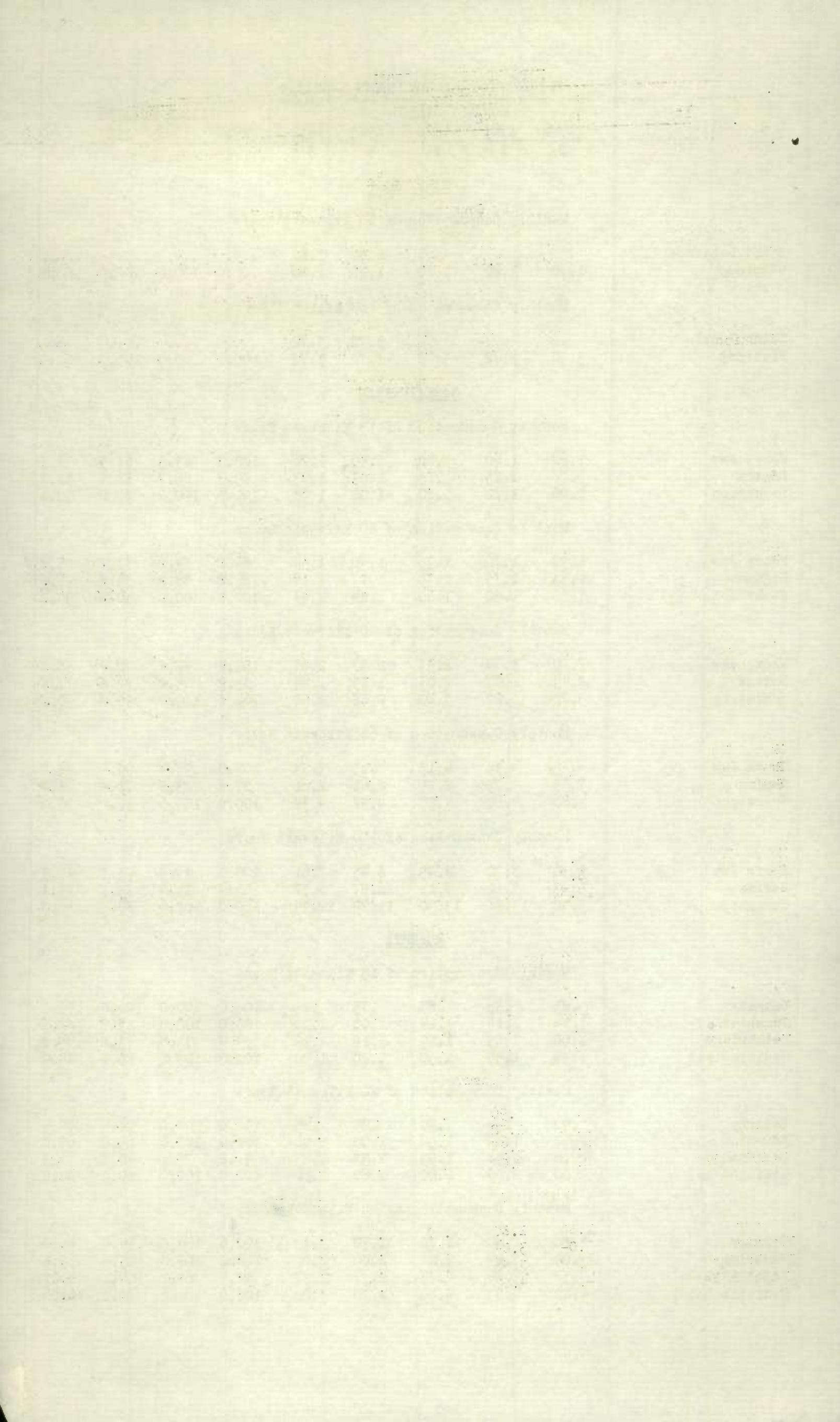
Calgary	.85	.85	.85	.85	.85	100.0	100.0	100.0	100.0
Edmonton	1.14	1.14	1.14	1.00	1.00	100.0	100.0	87.7	87.7
Lethbridge	1.62	1.53	1.19	1.19	1.19	94.4	73.8	73.8	73.8
Medicine Hat	1.50	1.50	1.50	1.20	1.20	100.0	100.0	80.0	80.0

Monthly Consumption of 20 Kilowatt Hours

Calgary	.90	.90	.90	.85	.85	100.0	100.0	94.4	94.4
Edmonton	1.52	1.52	1.52	1.00	1.00	100.0	100.0	65.8	65.8
Lethbridge	2.16	1.98	1.53	1.53	1.53	91.2	70.8	70.8	70.8
Medicine Hat	2.00	2.00	2.00	1.60	1.60	100.0	100.0	80.0	80.0

Monthly Consumption of 40 Kilowatt Hours

Calgary	1.80	1.80	1.80	1.70	1.70	100.0	100.0	94.4	94.4
Edmonton	3.04	3.04	3.04	2.00	2.00	100.0	100.0	65.8	65.8
Lethbridge	4.32	3.56	2.77	2.77	2.77	82.4	64.1	64.1	64.1
Medicine Hat	4.00	4.00	4.00	3.20	3.20	100.0	100.0	80.0	80.0



ELECTRICITY FOR RESIDENCE LIGHTING

Municipality	MONTHLY BILLS					INDEX NUMBERS					
	: 1926		1927		1928	1929	1930	: 1927	1928	1929	1930
	\$	\$	\$	\$	\$	\$	\$				

ALBERTA

Monthly Consumption of 60 Kilowatt Hours

Calgary	2.70	2.70	2.70	2.55	2.55	100.0	100.0	94.4	94.4
Edmonton	4.56	4.56	4.56	3.00	3.00	100.0	100.0	65.8	65.8
Lethbridge	6.48	4.46	3.67	3.67	3.67	68.8	56.6	56.6	56.6
Medicine Hat	6.00	6.00	6.00	4.80	4.80	100.0	100.0	30.0	30.0

Monthly Consumption of 180 Kilowatt Hours

Calgary	8.10	8.10	8.10	7.65	7.65	100.0	100.0	94.4	94.4
Edmonton	13.68	13.68	13.68	9.00	9.00	100.0	100.0	65.8	65.8
Lethbridge	17.82	8.20	7.09	7.09	7.09	46.0	39.8	39.8	39.8
Medicine Hat	18.00	18.00	18.00	12.80	12.80	100.0	100.0	71.1	71.1

BRITISH COLUMBIA

Monthly Consumption of 15 Kilowatt Hours

Nanaimo	1.75	1.75	1.75	1.70	1.70	100.0	100.0	97.1	97.1
New Westminster	1.08	1.08	.84	.84	.84	100.0	77.8	77.8	77.8
Vancouver	.68	.68	.60	.60	.60	100.0	88.2	88.2	88.2
Victoria	1.25	1.25	.90	.90	.90	100.0	72.0	72.0	72.0

Monthly Consumption of 20 Kilowatt Hours

Nanaimo	2.30	2.30	2.30	2.20	2.20	100.0	100.0	95.6	95.6
New Westminster	1.44	1.44	1.12	1.12	1.12	100.0	77.8	77.8	77.8
Vancouver	.90	.90	.80	.80	.80	100.0	88.9	88.9	88.9
Victoria	1.60	1.60	1.20	1.20	1.20	100.0	75.0	75.0	75.0

Monthly Consumption of 40 Kilowatt Hours

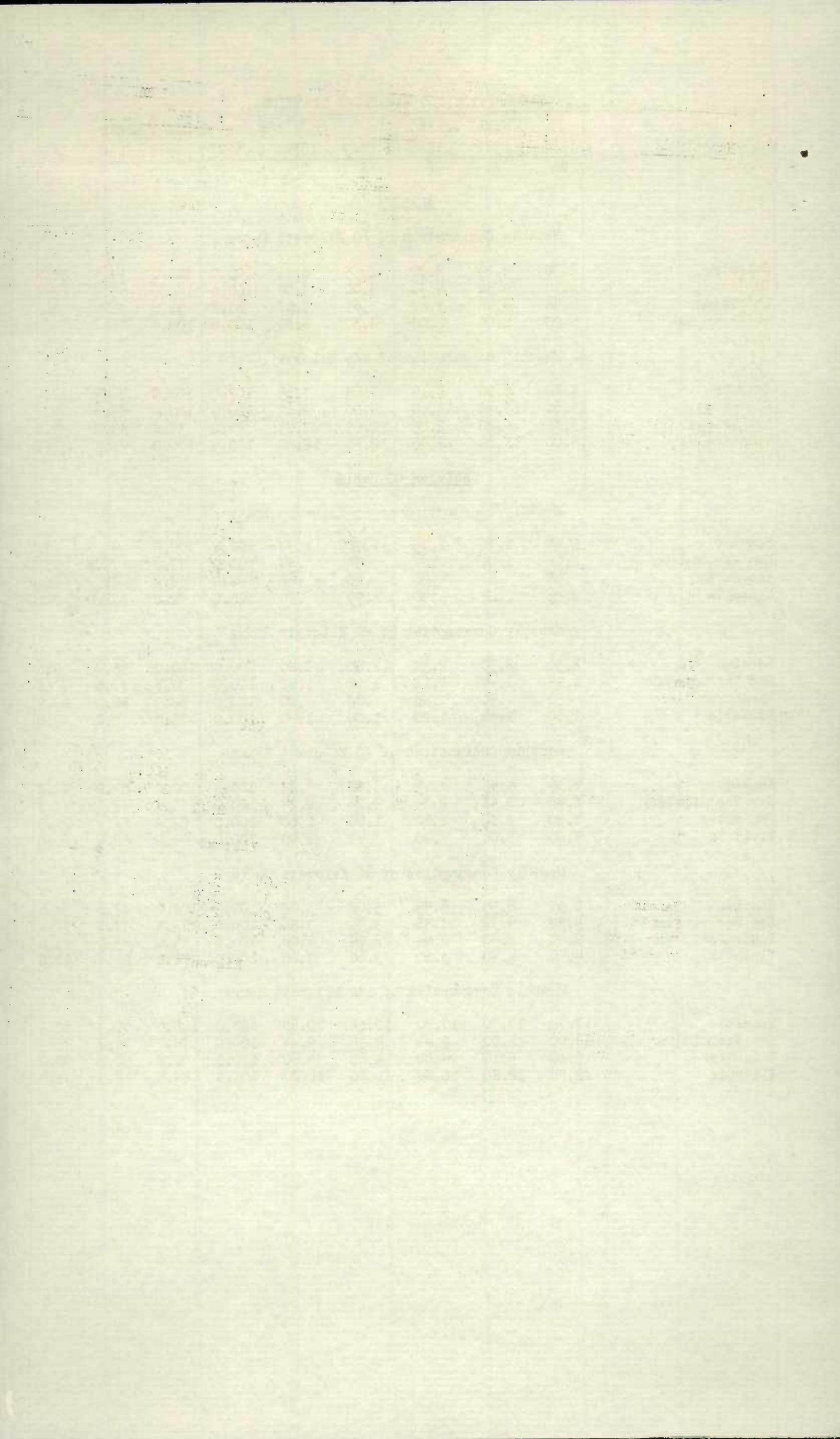
Nanaimo	4.45	4.45	4.45	3.88	3.88	100.0	100.0	87.2	87.2
New Westminster	2.88	2.88	2.24	2.24	2.24	100.0	77.8	77.8	77.8
Vancouver	1.80	1.80	1.60	1.60	1.60	100.0	83.9	83.9	83.9
Victoria	3.00	3.00	2.40	2.40	2.40	100.0	80.0	80.0	80.0

Monthly Consumption of 60 Kilowatt Hours

Nanaimo	6.55	6.55	6.55	5.08	5.08	100.0	100.0	77.6	77.6
New Westminster	4.32	4.32	3.36	3.36	3.36	100.0	77.8	77.8	77.8
Vancouver	2.40	2.40	2.04	2.04	2.04	100.0	85.0	85.0	85.0
Victoria	4.40	4.40	3.60	3.60	3.60	100.0	81.8	81.8	81.8

Monthly Consumption of 180 Kilowatt Hours

Nanaimo	17.70	17.70	17.70	10.68	10.68	100.0	100.0	60.3	60.3
New Westminster	12.00	12.00	9.44	9.44	9.44	100.0	78.7	78.7	78.7
Vancouver	5.10	5.10	4.60	4.60	4.60	100.0	90.2	90.2	90.2
Victoria	12.80	12.80	10.80	10.80	10.80	100.0	84.4	84.4	84.4



DOMESTIC LIGHTING AND COOKING BILLS

1930

(Lighting = 80 K.w.hours. Cooking = 220 K.w.hours.)

Station	300 K.w.hours	Station	300 K.w.hours
	\$		\$
<u>PRINCE EDWARD ISLAND</u>			
Charlottetown	12.55		
<u>NOVA SCOTIA</u>			
Amherst	9.45	Glace Bay	35.10
Halifax	9.00	Sydney	11.40
Sydney Mines	11.40		
<u>NEW BRUNSWICK</u>			
Fredericton	17.80	Moncton	13.90
Saint John	6.84		
<u>QUEBEC</u>			
Chicoutimi	24.00	Hull	2.97
Joliette	11.01	Lachine	10.37
Levis	8.08	Montreal	8.00
Outremont	8.00	Quebec	8.08
Shawinigan Falls	7.59	Sherbrooke	8.72
Sorel	7.59	St. Hyacinthe	12.60
Three Rivers	7.59	Valleyfield	7.50
Verdun	6.63	Westmount	7.65
<u>ONTARIO</u>			
Belleville	6.06	Brantford	3.83
Brockville	3.74	Chatham	4.32
Fort William	3.97	Guelph	3.83
Galt	4.64	Hamilton	3.83
Kingston	5.09	Kitchener	4.27
London	3.83	Niagara Falls	3.83
North Bay	7.89	Orillia	2.97
Oshawa	6.24	Ottawa	2.97
Owen Sound	3.83	Peterborough	4.54
Port Arthur	3.78	Saint Catharines	3.56
Saint Thomas	3.83	Sarnia	4.27
Sault Ste. Marie	3.40	Stratford	4.43
Toronto	3.78	Welland	4.16
Windsor	4.10	Woodstock	4.27
<u>MANITOBA</u>			
Saint Boniface	5.34	Winnipeg	5.34
<u>SASKATCHEWAN</u>			
Moose Jaw	8.91	Regina	5.85
Saskatoon	18.22		
<u>ALBERTA</u>			
Calgary	5.56	Edmonton	6.15
Lethbridge	10.15	Medicine Hat	24.00
<u>BRITISH COLUMBIA</u>			
Nanaimo	11.50	New Westminster	3.88
Vancouver	7.00	Victoria	11.40

MONTHLY COMMERCIAL LIGHT BILLS
1930

LOAD OR DEMAND	HOURS USE OF LOAD		
	: 50	: 100	: 200
Consumption for Loads in Column 1			
		Kilowatt Hours	
1 Kilowatt	: 50	: 100	: 200
5 "	: 250	: 500	: 1,000
10 "	: 500	: 1,000	: 2,000
50 "	: 2,500	: 5,000	: 10,000
(1)	(2)	(3)	(4)

NET BILLS FOR UNRESTRICTED 24-HOUR SERVICE

Municipality and Load	Hours Use			Municipality and Load	Hours Use		
	: 50	: 100	: 200		: 50	: 100	: 200
<u>PRINCE EDWARD ISLAND</u>							

Charlottetown

1 Kilowatt	6.50	10.00	13.50
5 "	24.25	33.00	50.50
10 "	30.00	58.00	93.00

NOVA SCOTIA

Amherst

1 Kilowatt	4.75	8.25	11.25
5 "	23.75	41.25	56.25
10 "	47.50	82.50	112.50

Glace Bay

1 Kilowatt	5.85	11.70	23.40
5 "	29.25	58.50	117.00
10 "	58.50	117.00	234.00

Halifax

1 Kilowatt	3.00	6.00	8.25
5 "	15.00	25.00	41.25
10 "	30.00	50.00	82.50
50 "	150.00	250.00	412.50

Sydney

1 Kilowatt	4.50	8.00	13.50
5 "	22.50	40.00	67.50
10 "	45.00	80.00	135.00
50 "	225.00	400.00	675.00

Sydney Mines

1 Kilowatt	4.50	8.00	13.50
5 "	22.50	40.00	67.50
10 "	45.00	80.00	135.00
50 "	225.00	400.00	675.00

NEW BRUNSWICK

Fredericton

1 Kilowatt	3.90	6.00	9.20
5 "	17.90	28.40	44.40
10 "	35.40	56.40	88.40

Moncton

1 Kilowatt	3.80	7.30	13.30
5 "	16.30	28.80	53.80
10 "	28.80	53.80	103.80
50 "	128.80	253.80	503.80

Saint John

1 Kilowatt	2.61	4.41	5.76
5 "	13.05	22.05	28.80
10 "	26.10	44.10	57.60
50 "	130.50	220.50	288.00

Commercial Light

Gagetown

Page 14 - 1 Kilowatt

5 "

10 "

1 Kilowatt

5 "

10 "

	Hours Use			Hours Use		
	: 50	: 100	: 200	: 50	: 100	: 200
4.72	8.32	15.63	3.83	7.43	14.63	
19.12	37.12	73.12	18.23	36.23	72.23	
37.12	73.12	145.12	36.23	72.23	144.23	
2.20	4.20	8.20	-	-	-	
10.20	20.20	40.20	5	"	12.37	24.75
20.20	40.20	80.20	10	"	24.75	49.50

COMMERCIAL LIGHT

-15-

NET BILLS FOR UNRESTRICTED 24-HOUR SERVICE

Municipality and Load	Hours	Use ^x		Municipality and Load	Hours	Use ^x	
	: 50	: 100	: 200		: 50	: 100	: 200
	\$	\$	\$		\$	\$	\$
<u>QUEBEC</u>							
<u>Levis</u>				<u>Montreal</u>			
1 Kilowatt	2.50	5.00	10.00	1 Kilowatt	1.65	3.15	6.15
5 "	12.50	25.00	50.00	5 "	7.65	15.15	30.15
10 "	25.00	50.00	100.00	10 "	15.15	30.15	60.15
50 "	125.00	250.00	500.00	50 "	73.90	142.65	267.65
<u>Outremont</u>				<u>Quebec</u>			
1 Kilowatt	1.65	3.15	6.15	1 Kilowatt	2.50	5.00	10.00
5 "	7.65	15.15	30.15	5 "	12.50	25.00	50.00
10 "	15.15	30.15	60.15	10 "	25.00	50.00	100.00
50 "	73.90	142.65	267.65	50 "	125.00	250.00	500.00
<u>Shawinigan Falls</u>				<u>Sherbrooke</u>			
1 Kilowatt	2.50	5.00	10.00	1 Kilowatt	2.70	5.40	10.80
5 "	12.50	25.00	50.00	5 "	13.50	27.00	54.00
10 "	25.00	50.00	100.00	10 "	27.00	54.00	108.00
				50 "	135.00	270.00	540.00
<u>Sorel</u>				<u>St. Hyacinthe</u>			
1 Kilowatt	3.00	5.50	10.50	1 Kilowatt	3.75	7.50	15.00
5 "	13.00	25.50	50.50	5 "	18.75	37.50	75.00
10 "	25.50	50.50	100.50	10 "	37.50	75.00	150.00
50 "	125.50	250.50	500.50	50 "	187.50	375.00	750.00
<u>Three Rivers</u>				<u>Valleyfield</u>			
1 Kilowatt	2.50	4.95	9.30	1 Kilowatt	2.50	5.00	10.00
5 "	12.50	24.75	46.50	5 "	12.50	25.00	30.00
10 "	25.00	49.50	93.00	10 "	25.00	50.00	100.00
50 "	125.00	247.50	465.00	50 "	125.00	250.00	500.00
<u>Verdun</u>				<u>Westmount</u>			
1 Kilowatt	1.65	3.15	6.15	1 Kilowatt	1.40	2.65	5.15
5 "	7.65	15.15	30.15	5 "	6.40	12.65	25.15
10 "	15.15	30.15	60.15	10 "	12.65	25.65	50.15
50 "	73.90	142.65	267.65	50 "	62.65	125.65	250.15
<u>ONTARIO</u>							
<u>Belleville</u>				<u>Brantford</u>			
1 Kilowatt	1.80	3.15	4.50	1 Kilowatt	1.26	2.05	2.36
5 "	9.00	15.75	22.50	5 "	6.30	10.24	11.81
10 "	18.00	31.50	45.00	10 "	12.60	20.48	23.62
50 "	90.00	157.50	225.00	50 "	63.00	102.38	118.13
<u>Brockville</u>				<u>Chatham</u>			
1 Kilowatt	1.35	2.25	2.92	1 Kilowatt	1.58	2.70	3.42
5 "	6.75	11.25	14.62	5 "	7.88	13.50	17.10
10 "	13.50	22.50	29.25	10 "	15.75	27.00	34.20
50 "	67.50	112.50	146.25	50 "	78.75	135.00	171.00
<u>Fort William</u>				<u>Galt</u>			
1 Kilowatt	1.80	3.15	4.05	1 Kilowatt	1.58	2.70	3.24
5 "	9.00	15.75	20.25	5 "	7.88	13.50	16.20
10 "	18.00	31.50	40.50	10 "	15.75	27.00	32.40
50 "	90.00	157.50	202.50	50 "	78.75	135.00	162.00
<u>Guelph</u>				<u>Hamilton</u>			
1 Kilowatt	1.35	2.25	3.15	1 Kilowatt	1.26	2.05	2.36
5 "	6.75	11.25	15.75	5 "	6.30	10.24	11.81
10 "	13.50	22.50	31.50	10 "	12.60	20.48	23.63
50 "	67.50	112.50	157.50	50 "	63.00	102.37	118.13
<u>Kingston</u>				<u>Kitchener</u>			
1 Kilowatt	1.58	2.70	3.60	1 Kilowatt	1.35	2.25	2.92
5 "	7.88	13.50	18.00	5 "	6.75	11.25	14.62
10 "	15.75	27.00	36.00	10 "	13.50	22.50	29.25

COMMERCIAL LIGHT
NET BILLS FOR UNRESTRICTED 24-HOUR SERVICE

-16-

Municipality and Load	Hours Use ^X	Municipality and Load	Hours Use ^X
	: 50 : 100 : 200		: 50 : 100 : 200
	\$ \$ \$		\$ \$ \$
<u>ONTARIO</u>			
<u>London</u>		<u>Niagara Falls</u>	
1 Kilowatt	1.35	2.25	2.70
5 "	6.75	11.25	13.50
10 "	13.50	22.50	27.00
50 "	67.50	112.50	135.00
<u>North Bay</u>		<u>Orillia</u>	
1 Kilowatt	2.25	4.05	5.85
5 "	11.25	20.25	29.25
10 "	22.50	40.50	58.50
<u>Oshawa</u>		<u>Ottawa</u>	
1 Kilowatt	2.02	3.60	4.95
5 "	10.12	18.00	24.75
10 "	20.25	36.00	49.50
50 "	101.25	180.00	247.50
<u>Owen Sound</u>		<u>Peterborough</u>	
1 Kilowatt	1.35	2.25	3.15
5 "	6.75	11.25	15.75
10 "	13.50	22.50	31.50
<u>Port Arthur</u>		<u>St. Catharines</u>	
1 Kilowatt	1.35	2.25	2.70
5 "	6.75	11.25	13.50
10 "	13.50	22.50	27.00
<u>Saint Thomas</u>		<u>Sarnia</u>	
1 Kilowatt	1.35	2.25	2.70
5 "	6.75	11.25	13.50
10 "	13.50	22.50	27.00
50 "	67.50	112.50	135.00
<u>Sault Ste. Marie</u>		<u>Stratford</u>	
1 Kilowatt	1.27	1.93	3.27
5 "	6.33	9.67	16.33
10 "	12.67	19.33	32.67
50 "	63.33	96.67	163.67
<u>Toronto</u>		<u>Welland</u>	
1 Kilowatt	1.80	3.06	4.32
5 "	9.00	15.30	21.60
10 "	18.00	30.60	43.20
50 "	90.00	153.00	216.00
<u>Windsor</u>		<u>Woodstock</u>	
1 Kilowatt	1.58	2.70	3.42
5 "	7.88	13.50	17.10
10 "	15.75	27.00	34.20
50 "	78.75	135.00	171.00

x - See page 14.

COMMERCIAL LIGHT
NET BILLS FOR UNRESTRICTED 24-HOUR SERVICE

Municipality and Load	Hours Use ^X			Municipality and Load	Hours Use ^X		
	: 50	: 100	: 200		: 50	: 100	: 200
	\$	\$	\$		\$	\$	\$
<u>MANITOBA</u>							
<u>St. Boniface</u>				<u>Winnipeg</u>			
1 Kilowatt	1.34	2.66	5.34	1 Kilowatt	1.34	2.66	5.34
5 "	6.66	13.34	25.34	5 "	6.66	13.34	25.34
10 "	13.34	25.34	46.00	10 "	13.34	25.34	46.00
				50 "	56.00	102.66	177.34
<u>SASKATCHEWAN</u>							
<u>Moose Jaw</u>				<u>Regina</u>			
1 Kilowatt	3.24	5.67	8.10	1 Kilowatt	2.25	4.05	7.20
5 "	16.20	28.35	40.50	5 "	10.57	18.45	34.20
10 "	32.40	56.70	81.00	10 "	20.70	36.45	63.45
50 "	161.20	283.50	405.00	50 "	94.95	162.45	297.45
<u>Saskatoon</u>							
1 Kilowatt	3.60	6.97	12.82				
5 "	16.65	30.15	52.65				
10 "	32.40	54.90	86.40				
50 "	120.15	198.90	356.40				
<u>ALBERTA</u>							
<u>Calgary</u>				<u>Edmonton</u>			
1 Kilowatt	2.12	4.25	8.50	1 Kilowatt	2.50	5.00	10.00
5 "	10.62	19.55	29.75	5 "	12.50	23.00	39.00
10 "	19.55	29.75	46.75	10 "	23.00	39.00	69.00
50 "	55.25	97.75	182.75	50 "	84.00	159.00	309.00
<u>Lethbridge</u>				<u>Medicine Hat</u>			
1 Kilowatt	3.60	6.75	13.05	1 Kilowatt	4.00	8.00	16.00
5 "	17.10	23.35	50.85	5 "	20.00	40.00	70.00
10 "	30.60	53.10	80.10	10 "	40.00	70.00	110.00
				50 "	130.00	230.00	430.00
<u>BRITISH COLUMBIA</u>							
<u>Nanaimo</u>				<u>New Westminster</u>			
1 Kilowatt	5.20	9.66	17.66	1 Kilowatt	2.80	5.60	3.80
5 "	21.66	37.12	60.31	5 "	10.40	18.40	34.40
10 "	37.12	60.31	90.31	10 "	18.40	34.40	66.40
				50 "	103.00	203.00	403.00
<u>Vancouver</u>				<u>Victoria</u>			
1 Kilowatt	2.00	3.30	5.30	1 Kilowatt	3.00	5.00	10.00
5 "	10.00	16.50	25.50	5 "	15.00	25.00	45.00
10 "	20.00	33.00	53.00	10 "	30.00	45.00	75.00
50 "	90.00	146.25	246.25	50 "	90.00	165.00	315.00

x - See page 14.

MONTHLY POWER BILLS

1930

LOAD OR DEMAND	HOURS USE		
	50	100	200
	Consumption for Loads in Column 1 Kilowatt Hours		
5 Horse-power or 3.728 Kilowatts	: 186	: 373	: 746
25 " " 18.6 "	: 932	: 1,864	: 3,728
100 " " 74.6 "	: 3,728	: 7,457	: 14,914
(1)	(2)	(3)	(4)

NET BILLS FOR UNRESTRICTED 24-HOUR SERVICE

Municipality : and Load	Hours Use	Municipality : and Load	Hours Use
: 50 : 100 : 200	\$ \$ \$	: 50 : 100 : 200	\$ \$ \$

PRINCE EDWARD ISLANDCharlottetown

5 Horse-power	15.52	25.15	41.34
25 " " 51.28	79.92	135.84	
100 " " 135.64	247.71	471.42	

NOVA SCOTIAAmherst

	Glace Bay		
	5 Horse-power	21.76	43.64
	25 " " 46.71	74.67	118.23
100 " " 186.84	298.71	473.28	

Halifax

	Sydney		
	5 Horse-power	13.02	20.92
	25 " " 37.39	56.03	81.03
100 " " 149.56	221.14	324.14	131.84 243.71

Sydney Mines

5 Horse-power	13.02	20.92	35.84
25 " " 42.62	75.24	131.84	
100 " " 131.84	243.61	467.42	

NEW BRUNSWICKFredericton

	Moncton		
	5 Horse-power	12.16	20.92
	25 " " 40.96	68.92	124.84
100 " " 124.84	236.71	451.42	113.77 216.32

Saint John

5 Horse-power	10.36	14.17	19.21
25 " " 51.86	70.73	95.90	
100 " " 207.43	282.94	383.61	

Power Chicoutimi

Page 18 - 5 Horse power	12.83	14.70	16.56	11.83	13.70	15.56
25 " " 60.21	69.53	78.85		59.21	68.53	77.85
100 " " No change				236.84	274.13	311.41

x - Reduced from 8 cents to 7 cents gross August 1, 1930.

100 " " 153.28	10.11	40.28	59.60	25 " " 100 " " 179.60	44.90	61.68	95.23
					179.60	246.73	380.95

POWER
NET BILLS FOR UNRESTRICTED 24-HOUR SERVICE

Municipality and Load	Hours Use#			Municipality and Load	Hours Use#		
	: 50	: 100	: 200		: 50	: 100	: 200
	\$	\$	\$		\$	\$	\$

QUEBECLevis

5 Horse-power	10.25	12.12	13.98
25 " "	51.26	60.58	69.90
100 " "	205.06	242.35	279.43

Outremont

5 Horse-power	10.03	12.41	15.38
25 " "	46.70	58.58	73.37
100 " "	174.83	222.34	281.51

Shawinigan Falls

5 Horse-power	10.90	13.24	15.10
25 " "	54.55	66.20	75.52
100 " "	218.20	264.82	302.09

Sorel

5 Horse-power	10.90	13.24	15.10
25 " "	54.55	66.20	75.52
100 " "	218.20	264.82	302.09

St. Hyacinthe

5 Horse-power	8.39	10.27	13.07
25 " "	41.97	51.36	65.34
100 " "	167.90	205.49	261.40

Verdun

5 Horse-power	10.03	12.41	15.38
25 " "	46.70	58.58	73.37
100 " "	174.83	222.34	281.51

Montreal

5 Horse-power	10.03	12.41	15.38
25 " "	46.70	58.58	73.37
100 " "	174.83	222.34	281.51

Quebec

5 Horse-power	10.25	12.12	13.98
25 " "	51.26	60.58	69.90
100 " "	205.06	242.35	279.43

Sherbrooke

5 Horse-power	8.75	8.75	8.75
25 " "	43.75	43.75	43.75
100 " "	175.00	175.00	175.00

Three Rivers

5 Horse-power	10.90	13.24	15.10
25 " "	54.55	66.20	75.52
100 " "	218.20	268.82	302.09

Valleyfield

5 Horse-power	11.36	13.70	15.56
25 " "	56.86	68.51	77.83
100 " "	227.43	274.05	311.32

Westmount

5 Horse-power	9.19	12.00	17.59
25 " "	39.13	53.11	81.07
100 " "	156.07	212.01	323.87

ONTARIOBelleville

5 Horse-power	6.91	8.87	9.86
25 " "	34.60	44.42	49.39
100 " "	138.38	177.64	197.56

Brantford

5 Horse-power	7.22	9.33	10.33
25 " "	36.10	46.67	51.66
100 " "	144.42	186.70	206.63

Brockville

5 Horse-power	6.92	8.88	9.88
25 " "	34.60	44.41	49.39
100 " "	138.38	177.64	197.56

Chatham

5 Horse-power	7.51	9.78	10.78
25 " "	37.61	48.94	53.92
100 " "	150.46	195.76	215.70

Fort William

5 Horse-power	7.06	8.66	8.97
25 " "	35.32	43.29	44.88
100 " "	141.28	173.16	179.53

Galt

5 Horse-power	6.46	7.97	8.99
25 " "	32.33	39.88	44.91
100 " "	129.31	159.52	179.64

Guelph

5 Horse-power	5.00	6.02	6.84
25 " "	25.05	30.09	34.24
100 " "	100.21	120.35	136.96

Hamilton

5 Horse-power	6.56	8.24	8.64
25 " "	32.83	41.22	43.24
100 " "	131.33	164.89	172.92

Kingston

5 Horse-power	6.31	7.82	8.82
25 " "	31.57	39.12	44.11
100 " "	126.30	156.50	176.43

Kitchener

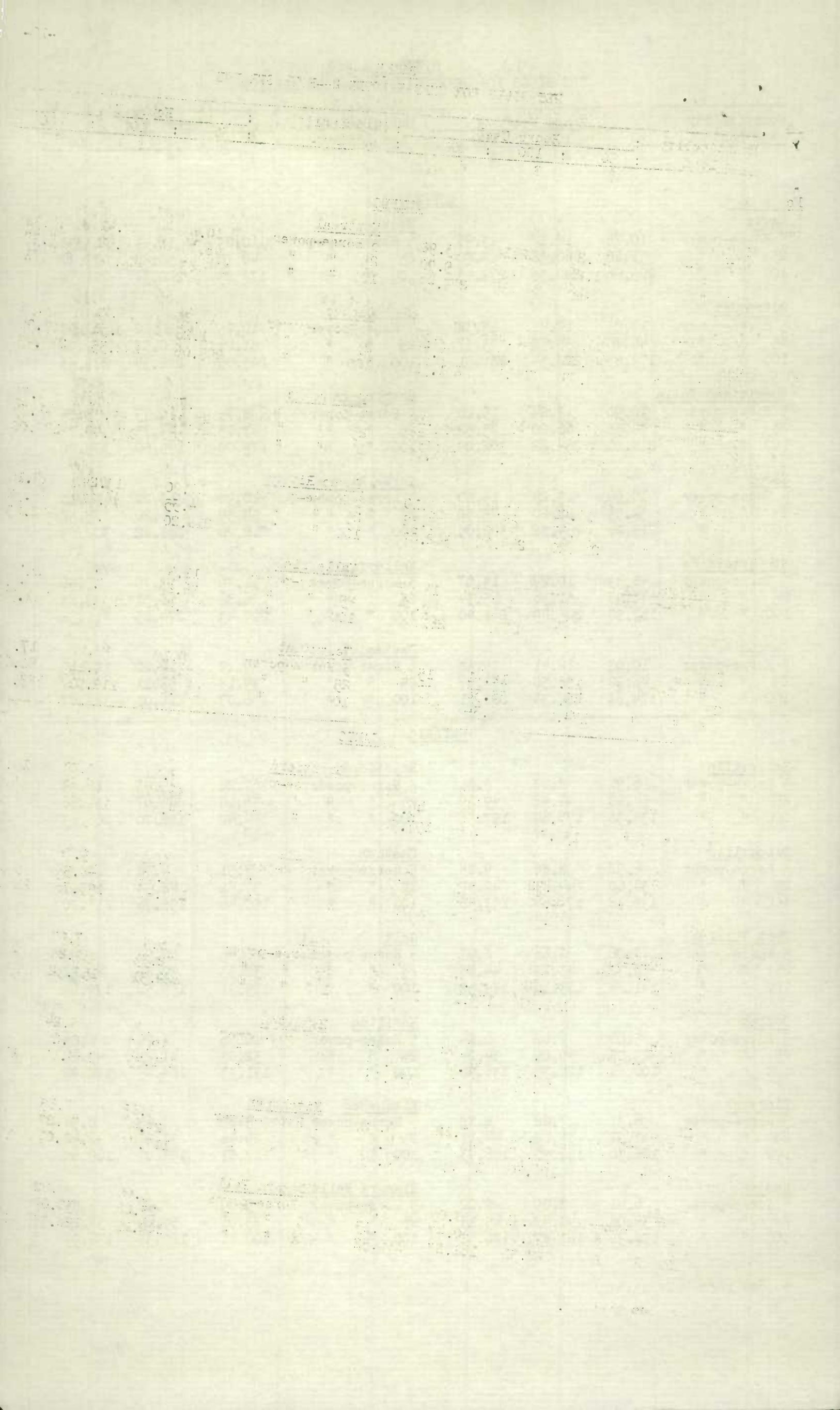
5 Horse-power	5.89	7.65	8.48
25 " "	29.46	38.27	42.42
100 " "	117.83	153.07	169.68

London

5 Horse-power	6.41	8.09	9.02
25 " "	32.08	40.47	45.13
100 " "	128.31	161.87	180.52

Niagara Falls

5 Horse-power	5.00	6.02	6.85
25 " "	25.06	30.09	34.25
100 " "	100.21	120.35	136.95



POWERNET BILLS FOR UNRESTRICTED 24-HOUR SERVICE

Municipality and Load	Hours Use #		Municipality and Load	Hours Use #	
	50	: 100		50	: 100
	\$	\$		\$	\$
<u>ONTARIO</u>					
<u>North Bay</u>			<u>Orillia</u>		
5 Horse-power	9.69	10.25	11.36	5 Horse-power	3.55
25 " "	48.51	51.28	56.82	" "	15.89
100 " "	194.01	205.09	227.23	100 " "	63.56
<u>Oshawa</u>			<u>Ottawa</u>		
5 Horse-power	7.21	9.34	10.33	5 Horse-power	5.77
25 " "	36.10	46.68	51.66	25 " "	28.90
100 " "	144.41	186.70	206.63	100 " "	115.62
<u>Owen Sound</u>			<u>Peterborough</u>		
5 Horse-power	5.76	7.28	8.11	5 Horse-power	6.46
25 " "	28.83	36.38	40.53	25 " "	32.34
100 " "	115.31	145.52	162.25	100 " "	129.31
<u>Port Arthur</u>			<u>St. Catharines</u>		
5 Horse-power	7.44	9.11	9.45	5 Horse-power	5.47
25 " "	37.18	45.57	47.24	25 " "	27.39
100 " "	148.72	182.28	188.98	100 " "	109.53
				100	137.97
					109.53 137.97
					146.01
<u>St. Thomas</u>			<u>Sarnia</u>		
5 Horse-power	5.77	7.28	8.12	5 Horse-power	7.85
25 " "	28.87	36.42	40.62	25 " "	30.28
					50.17
					55.71

WELLAND, ONT.

<u>Power</u>	Hours Use			Hours Use		
	50	100	200	50	100	200
	\$	\$	\$	\$	\$	\$
Page 20 - 5 Horse power						
	5.30	6.89	7.64	5.39	7.65	8.43
25 " "	26.51	34.44	38.18	29.16	38.27	42.42
100 " "	106.05	137.76	152.72	117.83	153.07	169.67

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See page 18.

POWER
NET BILLS FOR UNRESTRICTED 24-HOUR SERVICE

Municipality and Load	Hours Use [#]			Municipality and Load	Hours Use [#]		
	: 50	: 100	: 200		: 50	: 100	: 200
	\$	\$	\$		\$	\$	\$

SASKATCHEWAN

<u>Moose Jaw</u>				<u>Regina</u>			
5 Horse-power	11.07	15.95	22.21	5 Horse-power	7.99	13.88	25.63
25 " "	55.42	79.72	111.02	25 " "	38.19	63.66	104.54
100 " "	221.68	367.51	403.60	100 " "	128.11	187.46	304.89
<u>Saskatoon</u>							
5 Horse-power	10.24	17.92	31.61				
25 " "	48.12	76.42	115.06				
100 " "	152.56	267.14	376.28				

ALBERTA

<u>Calgary</u>				<u>Edmonton</u>			
5 Horse-power	4.50	5.24	9.27	5 Horse-power	4.74	6.98	11.42
25 " "	22.50	26.18	46.31	25 " "	23.26	33.51	52.28
100 " "	78.75	104.70	185.23	100 " "	69.78	124.62	191.73
<u>Lethbridge</u>				<u>Medicine Hat</u>			
5 Horse-power	7.82	12.22	20.61	5 Horse-power	5.58	10.83	20.15
25 " "	29.29	46.37	79.92	25 " "	25.00	43.78	72.42
100 " "	96.80	163.92	298.21	100 " "	87.50	128.36	240.21

BRITISH COLUMBIA

<u>Nanaimo</u>				<u>New Westminster</u>			
5 Horse-power	12.29	19.07	29.14	5 Horse-power	9.30	16.46	23.92
25 " "	34.16	59.73	109.06	25 " "	18.51	37.28	74.56
100 " "	109.66	210.35	411.69	100 " "	74.56	149.14	249.14
<u>Vancouver</u>				<u>Victoria</u>			
5 Horse-power	5.58	10.71	17.21	5 Horse-power	9.30	16.46	23.92
25 " "	18.64	37.28	73.03	25 " "	27.64	46.28	83.56
100 " "	74.56	149.14	249.14	100 " "	74.56	149.14	249.28

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