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# Government of Canada



# THE SUGAR REFINING INDUSTRY 1948





DOMESTICS.

# DOMINION BUREAU OF STATISTICS DEPARTMENT OF TRADE AND COMMERCE

#### THE

# SUGAR REFINING INDUSTRY

BUCSHTOLIS

1948

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Prepared in the General Manufactures Section, of the Industry and Merchandising Division, Dominion Bureau of Statistics, Ottawa

The output of the sugar refining industry in 1948 was 273,429,787 pounds greater than in 1947. The production of sugar of all kinds amounted to 1,358,139,315 pounds (1,182,498,065 pounds made from cane and 175,641,250 pounds from beets). The production of cane sugar increased by 254,051,237 pounds and that of beet sugar increased by 19,378,550 pounds. Granulated sugar comprises over 84 per cent of total sugar produced.

The production of beet sugar which is dependent upon weather conditions, fluctuates widely from year to year. The record output which amounted to 215,879,271 pounds was attained in 1941. Through adverse weather conditions in 1943 the output declined to a low of 129,268,010 pounds. In spite of the wide fluctuations in production, the trend during the past ten years has been upward. Production in 1946 amounted to 205,779,800 pounds, in 1947 it totalled 156,262,700 pounds, and in 1948, 175,641,250 pounds. The percentage of beet sugar to the total produced was only 12.9 per cent in 1948. During the war years when the consumption of sugar was restricted through rationing, the percentage of beet sugar to the total was much higher. In 1942 it was 23.6 per cent, the highest since the inception of the annual industrial census in 1917.

The price of refined sugar, at the factory, increased during 1948. Beet sugar increased from 8.45 cents per pound in 1947 to 8.92 in 1948, and cane sugar from 6.92 to 7.98 cents per pound. The value of sugar of all kinds rose from 7.14 to 8.10 cents per pound.

The refineries are located as follows: Nova Scotia 1, New Brunswick 1, Quebec 3, Ontario 2, Manitoba 1, Alberta 2 and British Columbia 1. These refineries in 1948 reported a gross value of production of \$113,510,547, they employed 3,267 persons who received \$7,662,318 in salaries and wages, and paid out \$88,031,106 for raw materials. Since 1943 several plants were shut down and their operations pooled with other refineries in the vicinity. This was due to the limited amount of raw sugar available as well as a shortage of labour.

Detailed statistics of production, materials used, employment, etc. are given in the tables following. In order that there may be no disclosure of statistical information of individual plants, the statistics are given for the Dominion only.

Table 1. - Principal Statistics of the Sugar Refining Industry, Representative Years, 1917 - 1948

Year	Esta- blish- ments	Capital Invested	Em- ploy- ment	Salaries and Wages		Gross x Value of Production
1917 1920 1925 1929 1933 1934 1936 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947	No. 8 8 8 8 8 8 8 10 10 10 11 11 11 11 11 11 11 11 11 11	\$ 31,818,133 46,719,034 50,089,717 43,534,113 35,758,074 33,151,249 33,199,993 36,347,866 40,511,884 42,966,073 43,915,168 45,232,672 44,144,876 /- /- /- /- /- /- /- /- /- /- /- /- /-	No. 2,527 3,118 2,784 2,325 2,092 2,080 2,559 2,318 2,399 2,538 2,642 2,326 2,274 2,590 2,713 2,633 3,003 3,267	2,324,828 4,632,814 3,828,442 3,686,037 3,048,817 2,919,662 3,413,698 3,315,633 3,467,367 3,623,661 3,834,639 3,772,431 4,068,473 4,576,060 4,860,264 5,010,789 6,309,481 7,662,318	\$ 53,179,911 103,689,088 54,457,385 35,640,124 22,846,473 24,099,994 27,924,998 28,838,685 33,728,967 42,150,263 46,067,190 33,283,971 38,613,832 48,033,547 46,518,380 45,900,913 63,883,259 88,031,106	\$ 61,429,787 119,086,731 68,445,879 47,151,960 37,189,960 36,007,208 40,405,377 41,392,096 49,896,763 57,274,122 62,402,709 45,969,711 51,239,749 63,874,868 61,821,443 61,181,621 80,194,369 113,510,547

x Selling value at the factory. Statistics since 1935 do not include excise taxes. /- Not collected since 1943,

Table 2. - Comparison of Principal Statistics

	1948	1947		+ Increase - Decrease
,No,	11	11		-
No.	411	408	+	3
No.	310	302	+	8
No.	1,500,930			182,789
No.		2,292	++	261 249
No.	6,161,388	4,991,340	+	1,170,048
\$0\$CD\$0	88,031,106 113,510,547 22,725,610	63,883,259	++	647,488 24,147,847 33,316,178 8,520,843
	No. No. No. No. No.	No. 411 No. 310 No. 101 \$ 1,500,930 No. 2,856 No. 2,541 No. 315 \$ 6,161,388 \$ 2,753,831 \$ 88,031,106 \$ 113,510,547	No. 411 408 No. 310 302 No. 101 106 \$ 1,500,930 1,318,141  No. 2,856 2,595 No. 2,541 2,292 No. 315 303 \$ 6,161,388 4,991,340 \$ 2,753,831 2,106,343 \$ 88,031,106 63,883,259 113,510,547 80,194,369	No. 411 408 + No. 310 302 + No. 101 106 - \$ 1,500,930 1,318,141 +  No. 2,856 2,595 + No. 2,541 2,292 + No. 315 303 + \$ 6,161,388 4,991,340 + \$ 2,753,831 2,106,343 + \$ 88,031,106 63,883,259 + \$ 113,510,547 80,194,369 +

x Gross value of products less cost of materials, fuel and electricity.

NOTE: Profits or losses cannot be estimated from census figures as no data are collected for certain items such as interest, rent, depreciation, taxes, insurance, advertising, etc.

#### Production in Sugar Refineries

Table 3 gives the production of sugar and its by-products by class, quantity and selling value at the refinery for the years 1947 and 1948. The quantity of sugars produced in Canadian refineries during 1948 was greater than that of 1947 by 273,429,787 pounds and the selling value by \$32,602,071. The quantity of beet sugar increased by 19,378,550 pounds and cane sugar increased by 254,051,237 pounds, making the increase as stated above. Molasses increased and in quantity and value.

Table 3. - Sugar and By-Products

	1 9 4 8				4 7
Products	Unit of Measure	Quantity	Selling Value at Factory 1/	Quantity	Selling Value at Factory 1/
			\$		\$
Sugar - Made from cane	Lbs,	1,182,498,065	94,367,535	928,446,828	64,220,498 13,208,824
Total sugar produced	11	1,358,139,315	110,031,393	1,084,709,528	77,429,322
Granulated	81 81 81 17	1,146,896,371 142,338,703 2,175,700 54,296,021 12,432,520	93,059,358 10,678,251 200,504 4,850,576 1,242,704	911,755,196 118,124,797 2,245,300 38,704,590 13,879,645	65,368,978 7,602,154 184,576 3,055,819 1,217,795
Syrups (not including molasses)  Molasses - Made from cane	11 11	13,502,000 23,552,000 44,152,000	1,030,890 578,576 850,403	15,500,000 18,526,000 46,880,000	698,531 437,014 838,855
Total molasses	11	67,704,000	1,428,979	65,406,000	1,275,869
Beet pulp, wet and dried	Tons	108,075	1,019,285	115,062	790,647
TOTAL VALUE OF PRODUCTS			113,510,547	-	80,194,369

<sup>1/</sup> This does not include excise taxes.

#### Table 4. - Production of Sugar Beets and Beetroot Sugar

The number of acres of sugar beets harvested, the total yield and average yield per acre and the total value of the crop delivered at the factory are shown in Table 4 for the years 1918 to 1948. Acreage of sugar beets harvested in 1948 was 1,233 acres more than in 1947, the total yield was 23,465 tons more and the total value of the crop increased by \$769,517.

Table 4. - Area, Yield and Value of Sugar Beets in Canada and Production of Refined Beetroot Sugar Compared, 1918 to 1948

Year	Acres Grown	Total Yield	Yield per Acre	Total Value	Average Price Per Ton	refinery	and Value () of refined ot sugar	at the
	No.	Tons	Tons	\$	\$ cts.	Lb.	\$	\$ cts. per cwt
1918	18,000	204,000	11.25	2,593,715	12.71	50,092,835	4,358,077	8.70
1919	18,600	180,000	9.50	2,630,027	14.61	37,839,271	3,924,411	10.70
1920	34,491	343,000	9.94	5,307,243	15.47	89,280,719	12,856,424	14.40
1921	25,535	199,334	7.80	1,974,384	9.90	52,862,377	3,554,203	6.70
1922	14,955	127,807	8.55	966,521	7.56	29,911,770	1,645,885	5.50
1923	17,941	159,200	8.87	1,922,668	12.08	39,423,160	3,745,200	
1924	31,111	295,177	9.50	1,704,791	5.78	85,770,709	6,192,645	7.30
1925	34,803	370,047	10.63	2,688,302	7.27	72,819,919	5,206,624	7.15
1926	30,073	267,754	8.90	2,286,761	8.54	70,388,105	4,269,076	6.06
1927	25,961	206,713	7.96	2,012,134	9.73	60,969,131	3,719,117	6.10
1928	34,323	244,930	7.14	2,041,465	8.33	64,653,348	3,340,571	5.17
1929	32,556	235,465	7.23	2,080,996	8.84	69,399,213	3,335,344	4.81
1930	40,532	397,576	9.81	3,278,625	8.25	94,624,701	4,529,944	4.79
1931	43,337	435,992	10.06	3,190,198	7.32	107,139,129	4,794,551	4.48
1932	44,817	505,671	11.28	3,113,942	6.16	132,016,859	5,789,205	4.38
1933	43,807	442,391	10.10	2,790,928	6.31	131,392,501	5,713,181	4.35
1934	38,495	412,672	10.72	2,599,982	6.30	114,002,950	4,714,624	4.14
1935	51,985	459,223	8.83	2,881,098	6.27	119,857,668	4,617,733	3.85
1936	x 50,444	555,969	11.02	3,510,922	6.31	156,066,242	6,103,264	3.91
1937	x 43,758	422,152	9.65	2,825,006	6.69	120,440,235	5,230,971	4.34
1938	x 45,194	498,102	11.02	3,403,635	6.83	143,013,847	6,001,380	4.20
1939	x 57,316	586,444	10.23	4,417,372	7.53	169,320,343	8,063,332	4.76
1940	x 77,548	825,344	10.64	6,022,670	7.30	213,602,511	10,853,665	5.08
1941	x 63,925	708,616	11.08	5,781,151	8.16	215,879,271	11,639,825	5.39
1942	x 62,381	701,884	1125	6,434,517	9.17	189,066,870	11,349,746	6.00
1943	x 52,693	474,378	9.00	4,592,240	9.68	129,268,010	8,728,995	6.75
19/44	x 55,020	564,927	10.27	5,598,383	9.91	165,318,840	11,281,052	6.82
1945	x 59,273	618,790	10.44	6,192,942	10.01	163,837,790	11,198,989	6.84
1946	x 66,869	735,849	11.00	8,030,859	10.91	205,779,800	14,022,621	6.81
1947	x 58,832 x 60,065	605,741	10.30	8,517,159	14.06	156,262,700	13,208,824	8.45
1740	* 00,000	629,206	10.48	9,286,676	14.76	175,641,250	15,663,858	8.92

x This is the number of acres harvested. The acreage seeded is slightly higher than these figures, being 57,483 acres in 1943, 70,446 in 1944, 63,134 in 1945, 71,939 in 1946, 67,376 in 1947 and 66,501 in 1948.

Table 5. - Exports - Sugar, Molasses and Beet Pulp, 1942-1948

roduct		Unit of Measure	Quantity	Value
Valences.	and symme n A h			\$
COLASTES	and syrups, n.o.p.	Gal.	2,341,278	480,401
	1942	Our T.		
	1943		2,140,652	529,145
	1944	11	1,067,701	420,465
	1945	- 11	876,015	566,977
	1946	Ħ	1,639,397	615,070
	1947	11	849,182	429,350
	1948	11	1,180,835	495,357
Bugar, n.	0.p			
-	1942	Cwt.	161,435	698,332
	1943	11	22,392	127,669
	1944	11	163,952	887,693
	1945	11	447,805	2,630,820
	1946	11	20,982	127,00
		11	22,960	167,011
	1947	11	10,744	77,37
	1948		10,144	11,014
Heet pul		Cwt.	194,785	265,463
	19.2	OWC.		
	1943	11	27,800	39,43
	1944		72,905	134,52
	1945	11	49,789	107,420
	1946	11	88,545	235,443
	1947	11	78,449	239,09
	1948	8.8	119,556	329,848
assertant and the second second	Table 6 Imports of Sugar, 1	tologene etc	10/2-10/8	
	Table 6 Imports of Sugar, I	Diasses, etc	, 1742-1740	-
**		Unit of	O	77.7
Product		Unit of Measure	Quantity	Value
Molasses	of cane testing under 35° but not			4
Molasses			Quantity 1,549,844	237,04
Molasses	nan 20° -	Measure	1,549,844	237,04
Molasses	1942	Measure Gal.	1,549,844	237,04
Molasses	1942	Measure Gal.	1,549,844 44,108 25,574	237,04 21,26 6,65
Molasses	1942	Gal.	1,549,844 44,108 25,574 134,214	237,04 21,26 6,65 41,67
Molasses	1942 1943 1944 1945	Gal.	1,549,844 44,108 25,574 134,214 5,940,384	237,04 21,26 6,65 41,67 997,47
Molasses	1942 1943 1944 1945 1946	Gal.	1,549,844 44,108 25,574 134,214 5,940,384 9,557,049	237,04 21,26 6,65 41,67 997,47 1,684,61
Molasses less ti	1942 1943 1944 1945 1946	Gal.	1,549,844 44,108 25,574 134,214 5,940,384	237,04 21,26 6,65 41,67 997,47 1,684,61
Molasses less ti	1942 1943 1944 1945 1946	Gal.	1,549,844 44,108 25,574 134,214 5,940,384 9,557,049	237,04; 21,26; 6,65; 41,67 997,47; 1,684,61;
Molasses less ti	1942	Gal.	1,549,844 44,108 25,574 134,214 5,940,384 9,557,049 9,814,229	237,04; 21,26; 6,65; 41,67; 997,47; 1,684,61; 3,194,97;
Mola <b>sses</b> less ti	1942 1943 1944 1945 1946 1947 1948 af cane, imported direct, testing ss than 35° nor more than 56° –	Gal.  II  II  II  II  II	1,549,844 44,108 25,574 134,214 5,940,384 9,557,049 9,814,229	237,04; 21,26; 6,65; 41,67; 997,47; 1,684,61; 3,194,97;
Mola <b>sses</b> less ti	1942	Gal.  II  II  II  II  II  Gal.	1,549,844 44,108 25,574 134,214 5,940,384 9,557,049 9,814,229 37,452 66,260	237,04; 21,26; 6,65; 41,67; 997,47; 1,684,61; 3,194,97;
Molasses less ti	1942 1943 1944 1945 1946 1947 1948 of cane, imported direct, testing ss than 35° nor more than 56° - 1942 1943 1944	Gal.  II  II  II  II  II  Gal.	1,549,844 44,108 25,574 134,214 5,940,384 9,557,049 9,814,229 37,452 66,260 29,042	237,04; 21,26; 6,65; 41,67; 997,47; 1,684,61; 3,194,97; 15,65; 36,64; 17,10
Molasses less ti	1942 1943 1944 1945 1946 1947 1948 of cane, imported direct, testing ss than 35° nor more than 56° - 1942 1943 1944	Gal.  II  II  II  II  II  Gal.	1,549,844 44,108 25,574 134,214 5,940,384 9,557,049 9,814,229 37,452 66,260 29,042 274,791	237,04; 21,26; 6,65; 41,67; 997,47; 1,684,61; 3,194,97; 15,65; 36,64; 17,10; 115,21
Molasses less ti	1942 1943 1944 1945 1946 1947 1948 of cane, imported direct, testing ss than 35° nor more than 56° - 1942 1943 1944 1945	Gal.  II  II  II  II  II  Gal.	1,549,844 44,108 25,574 134,214 5,940,384 9,557,049 9,814,229 37,452 66,260 29,042	237,048 21,260 6,658 41,679 997,47 1,684,610 3,194,97 15,65 36,64 17,10 115,21 318,69 105,30

Table 6. - Imports of Sugar, Molasses, etc., 1942-1948 Concl'd.

Product	Unit of Measure	Quantity	Value
Molasses of cane the produce of any country			\$
entitled to the British Preferential			
Tariff, imported direct, testing not			
more than 560 -			
1942	Gal.	662,057	240,528
1943	+1	2,581,705	1,004,057
1944	11	5,625,763	2,195,943
1945	11	4,613,815	1,787,653
1946	9.0	4,488,167	2,143,147
1947	11	5,258,933	3,229,503
1948	11	4,891,031	3,842,198
byrups and molasses of all kinds, the product			
of the sugar cane or beet, n.o.p. and all imitations and substitutes -			
			La Transport
1942	Cwt.	4,133	20,619
1943	*1	7,707	50,765
1944	+1	10,641	68,085
1945	PT P1	10,685	68,769
1946	11	10,175	80,029
1947	73	7,851	47,480
1948		6,691	53,176
Sugar, raw, when imported or purchased in bond			
in Canada for refining purposes only -	0.1	/ nor m/	3/ 103 /01
1942	Cwt.	6,095,716	16,421,694
1943	91	8,253,976	23,654,547
1944,	11	8,916,586	28,709,555
1945	11	8,376,764	28,482,362
1946	11	8,616,972 9,962,365	31,790,956
1947	II	12,277,576	46,406,917
1740		12,211,010	02,110,270
177 . N 7/ T C 2 7			
All sugar above No. 16 D.S. in colour, and all			
refined sugars of whatever kinds, grades or			
standards, not covered by tariff item 135, and sugar syrups testing over 56° -			
1942	Cwt.	155,811	486,342
1943	11	154,464	486,504
1944	11	141,822	519,955
1945	. 11	113,858	467,997
	17	155,740	624,685
1946			
1946	11	180,723	990,520

Table 7. - Wholesale Prices of Sugar at Montreal and Vancouver for Specified Months (Compiled by the Prices Section)

		Sugar at Mo	ntreal		Sugar at V	ancouver		
	Sugar, Granulated Standard, per Cwt.		Light	No. 1 Yellow Cwt.	per	ranulated cwt. Factory	Sugar No Yellow, f.o.b. F	per Cwt.
	1948	1947	1948	1947	1948	1947	1948	1947
	\$	\$	\$	\$	\$	\$	\$	\$
January	7.89	6.89	7.63	6.63	7.89	6.89	7.51	6.51
April	7.89	7.89	7.63	7.63	7.89	7.89	7.51	7.51
July	7.89	7.89	7.63	7.63	7.89	7.89	7.51	7.51
October		7.89	7.63	7.63	7.89	7.89	7.51	7.51

#### Materials Used

The cost of materials used in the industry during 1948 as shown in Table 6, amounted to \$88,031,106. This is an increase from the previous year of \$24,147,847. Raw materials, consisting of raw cane and sugar beets, constitute over 93 per cent of the total cost, other materials about 2 per cent, and containers of all kinds over 5 per cent. The average cost price of raw cane sugar laid down at the factory was 5.92 per hundred-weight in 1948 and 5.18 per hundredweight in 1947. The cost at the factory of sugar beets was \$14.76 per ton in 1948 and \$14.06 in 1947.

Table 8. - Materials Used

		1 9	48	194	7
Kind of Materials	Unit of Measure	Quantity	at the	Quantity	at the Refinery
			\$		\$
Raw cane sugar  Sugar beets Cornstarch Boneblack Vegetable char Infusorial earth Lime Lime Sulphur Sulphuric acid	Ton Pound "" "" " Ton Pound	1,231,659,231 629,206 1,736,625 3,939,368 63,784 5,729,441 1,449,737 34,805 214,103 687,140	72,876,574 9,286,676 167,602 412,615 8,815 167,259 11,200 109,096 5,843 8,967	981,107,532 605,741 1,332,169 1,431,804 54,345 4,980,232 1,503,998 33,235 254,415 637,813	8,088 141,885 10,736
Hydrochloric and muriatic acid Phosphoric acid Soda ash Filtering materials, n.e.s, Other chemical materials Containers (boxes, bags,	11	550,439 117,040 400,220	13,186 10,766 9,790 28,421 14,500	285,780 298,334 311,513	8,615 25,426 7,312 33,038 12,653
All other materials and supplies		-	4,630,445	-	3,5 <b>2</b> 2,825 451,936
TOTAL COST OF MATERIALS .	•		88,031,106		63,883,259

#### Employment Statistics

Employment statistics are given in Tables 9 and 10. Wage-earners in 1948 numbered 2,541 males and 315 females, with a payroll of \$6,161,388 while salaried employees numbered 310 males and 101 females, with salaries totalling \$1,500,930. Compared with 1947 there was an increase of 264 in the number of persons employed and an increase of \$1,352,837 in the salaries and wages paid. The maximum employment of wage-earners was reached in October with a total of 3,984 and a minimum in March with a total of 2,239.

Table 9. - Employment for Canada by Number, Sex and Remuneration.

Year	Sala	Salaried Employees			10.7	rners verages)	Total Employees Salaries and Wages		
	Male	Fe- male	Total Salaries	Male	Fe- male	Total Wages	Male	Fe- male	Salaries and Wages
	No.	No.	\$	No.	No.	\$	No.	No.	\$
1936	345	63	1,169,529	2,064	87	2,244,169	2,409	150	3,413,698
1937	349	65	1,181,584	1,829	89	2,137,277	2,178	154	3,318,861
1938	364	61	1,163,988	1,809	84	2,151,645	2,173	145	3,315,633
1939	346	60	1,187,767	1,888	105	2,279,600	2,234	165	3,467,367
1940	420	81	1,179,056	1,929	108	2,444,605	2,349	189	3,623,661
1941	378	98	1,187,467	2,043	123	2,647,172	2,421	221	3,834,639
11942	353	106	1,162,006	1,701	166	2,610,425	2,054	272	3,772,431
1943	305	119	1,185,276	1,537	313	2,883,197	1,842	432	4,068,473
1944	294	116	1,078,829	1,787	393	3,497,231	2,081	509	4,576,060
1945	329	113	1,296,052	1,913	358	3,564,212	2,242	471	4,860,264
1946	277	101	1,146,141	1,987	268	3,864,648	2,264	369	5,010,789
1947	302	106	1,318,141	2,292	303	4,991,340	2,594	409	6,309,481
1948	310	101	1,500,930	2,541	315	6,161,388	2,851	416	7,662,318

Table 10. - Number of Wage-earners Employed by Months and Sex

	1 9	9 4 8	1 9 4 7		
Months	Male	Female	Male	Female	
January February March April Nay June July August September October November	2,367 2,341 1,965 2,159 2,196 2,263 2,446 2,668 2,876 3,640 3,112	332 310 274 348 329 265 300 308 344 344	1,960 1,775 1,649 1,907 1,974 2,044 2,021 2,311 3,177 3,463 2,903	278 270 233 255 272 292 284 288 390 395 367	
December	2,435	267	2,304	319	
Monthly Average	2,541	315	2,292	303	

T	able 1	1	Power Equi	pment		
			1 9 4 8		19	4 7
Classes of Power		umber of Units	Rati Horse	acturers! ing of e-Power pacity	Number of Units	Manufacturers Rating of Horse-Power Capacity
Steam engines and turbines -						
In use		61		,645	61	21,645
Idle		6	2,	,650	6	2,650
Gasoline, gas and oil engines		0.1		000	21	000
In use		34		888 45	34	888 45
Idle				49		4.7
Electric motors operated by purchased power -						
In use		630	9.	413	620	9,391.
Idle		27		913	25	912
TOTAL POWER AVAILABLE FOR	-					
MANUFACTURING		761	. 35	,554	749	35,531
Idle		176 52 2	2 27	,026 ,074 650	216 52 2	2,480 25,134 650
Table 12.	Unit			4 8		947
Kinds of Fuel			-			and the second s
UTIMO OF FREE	Measu	re	Quantity	Cost Valu	e Quantiti	y Cost Value
Ditaria and Cara dian	TT a to		99 200	612 270	15 6	60 221 075
Bituminous Coal, Canadian Imported	Ton		88, <b>299</b> 88,849			
Sub-bituminous Coal (Alberta)	- 11			45,040		
Lignite Coal	11		37,223	104,525		
Coke	11		3,159	48,152	2,9	29 41,036
Gasoline (x)	Imp.	Gal		16,945	35,8	44 12,567
Fuel Oil	11	11	8,198,014	828,410	7,242,1	
Kerosene or coal oil	11	81		1,154		
Gas (Manufactured	M Cu.	Ft.	19	42	-	19 42
TOTAL COST OF FUEL			-	2,634,340	-	1,991,883
Electricity purchased	V	и т	1 571 062	110 /.01	12 681 6	1.1. 1.60

(including service charges) Kw. H. 11,571,963 119,491 12,681,644 114,460

2,753,831

2,106,343

TOTAL COST OF FUEL AND

ELECTRICITY .....

<sup>(</sup>x) Includes gasoline used in cars and trucks.

#### List of Sugar Refineries

#### NOVA SCOTIA

Acadia Sugar Refining Company Limited Dartmouth.
(Operations pooled with "Atlantic Sugar Refineries, Ltd." since 1943).

#### NEW BRUNSWICK

(1) Atlantic Sugar Refineries, Limited,

Saint John.

#### QUEBEC

(1) Canada & Dominion Sugar Company Ltd.

(1) St. Lawrence Sugar Refineries, Limited

(2) Quebec Sugar Refinery

1410 Montmorency St., Montreal. 4026 Notre Dame St. E., Montreal. St. Hilaire.

#### ONTARIO

(2) Canada & Dominion Sugar Company, Limited

(1) Canada & Dominion Sugar Company, Limited

Chatham. Wallaceburg.

#### MANITOBA

(2) The Manitoba Sugar Company, Limited

(Fort Garry) Winnipeg.

#### ALBERTA

(2) Canadian Sugar Factories, Limited

(2) Canadian Sugar Factories, Limited

Raymond.
Picture Butte.

#### BRITISH COLUMBIA

(1) The British Columbia Sugar Refining Company Limited

Rogers Street, Vancouver.

- (1) Made cane sugar only
- (2) Made beet sugar only.



