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CONSUMPTION OF PETROLEUM FUELS IN CANADA, 1945

Deliveries of heavy fuel oils to Canadian users totalled 844.7 million gallons in 1945, according to a compilation made from reports submitted by refineries and their distributors and by major consumers. About 36 per cent of this total was for use in ships' bunkering, 37 per cent for fuel in manufacturing plants, 11 per cent for heating homes and buildings, 9 per cent for locomotive fuel, 3.5 per cent for tractors and other motor vehicles, 2.2 per cent for electric light plants, and 1.3 per cent for material in manufacturing plants. The provincial distribution was as follows, in millions of gallons: Maritimes, 172; Quebec, 196.5; Ontario, 209.3; Manitoba, 13.9; Saskatchewan, 33.4; Alberta, 49.9; and British Columbia, 169.6.

Most of the light fuel oils and distillates was used for domestic heating and for tractor fuel, the former at 47.3 million gallons in 1945 accounting for 53.5 per cent of the total, and the latter at 39.5 millions for 44.7 per cent. Total deliveries at 88.5 million gallons were distributed by provinces as follows, in millions of gallons: Maritimes, 7.1; Quebec, 26.1; Ontario, 8.9; Manitoba, 13.4; Saskatchewan, 13.8; Alberta, 9.2; and British Columbia, 10.

Kerosene deliveries in 1945 totalled 28.8 million gallons, of which 73.3 per cent or 21.1 millions was for use in stoves and lamps. Consumption in the Maritime Provinces was 3 millions, in Quebec 6.4 millions, in Ontario 9.2 millions, in Manitoba 2.4 millions, in Saskatchewan 3.4 millions, in Alberta 2.9 millions and in British Columbia 1.5 millions.

Deliveries of fuel oils and distillates for use in heating residences and other buildings in Canada during the past eighteen years was as follows, according to this annual survey which was formerly carried out by the Bureau of Mines, and which was taken over by the Bureau of Statistics in 1945.

Year	Millions of Year gallons		Millions of gallons	
1928	44.3	1937	117.7	
1929	52.1	1938	119.1	
1930	74.4	1939	136.1	
1931	73.3	1940	150.1	
1932	82.0	1941	146.8	
1933	99.8	1942	124.0	
1934	109.7	1943	95.4	
1935	109.2	1944	103.3	
1936	111.9	1945	143.8	

Table 1 - DELIVERIES OF PETROLEUM FUELS FOR CONSUMPTION IN CANADA, CALENDAR YEAR, 1945 (As Reported by

			8	1-2 -0 -
	Unit of	Maritimes	Quebec	Ontario
	measure			
(a) FUEL OIL: All grades to 390 A.P.I., or 0.8299,	and com-			
prising residuals, bunkers, furnace grades (heav	y, medium			
and light), and diesel grades -				
For heating homes, residences and buildings, or				
for ranges, stoves, heaters, lamps, etc	Imp, Gal,	6,944,254	37,703,329	37,243,919
For electric light plants	Imp. Gal.	688,125	526,842	115,742
For manufacturing purposes, as fuel	Imp.Gal.	29,012,427	69,352,775	137,681,458
For manufacturing purposes, as material	Imp.Gal.	44,802	1,949,272	7,361,032
For tractor and other motor vehicles, as fuel	Imp.Gal.	259,120	3,112,379	8,678,084
For locomotive fuel, by railways and others	Imp.Gal.	440,177	4,077,775	4,379,967
For bunkering, including suppliers' tankers	Imp.Gal.	134,599,717	79,836,564	13,845,483
Total Deliveries Heavy Fuel Oil, All Uses	Imp.Gal.	171,988,622	196,558,936	209,305,685
Portion of imported fuel oil in above	Imp.Gal.	37,159,704	14,206	21,995
Furnace burners and boilers supplied with fuel.	Number	2,791	14,200	21,995
(b) DISTILLATES AND LIGHT FUEL OILS: All grades from	m and			
over 39° A.P.I., and comprising stove, range, sm				
burner and heater oil, and light distillates -	411			
For heating homes, residences and buildings, or				
for ranges, stoves, heaters, lamps, etc	Imp.Gal.	6,839,861	24,548,550	5,390,802
For electric light plants	Imp.Gal.	0,000,002	2.1,010,000	
For manufacturing purposes, as fuel	Imp.Gal.		7,310	813,079
For manufacturing purposes, as material	Imp.Gal.		111,560	193,014
For tractor fuel	Imp.Gal.	219,135	1,378,116	2,511,693
For dinkeys, jiggers, speeders, etc	Imp.Gal.			3,728
For boats and dredges, as fuel	Imp.Gal.	4 1 4		
Total Deliveries Distillates, etc., All Uses	Imp.Gal.	7,058,996	26,045,536	8,912,316
Portion of imported distillates, etc., in above	Imp.Gal.			
Total Deliveries All Fuel Oils and Distillates.	Imp.Gal.	179,047,618	222,604,472	218,218,001
Portion of diesel oil in total	Imp.Gal.	31,984,315	37,107,842	12,299,241
Portion of imports in total	Imp.Gal.	37,159,704		
(c) KEROSENE AND ILLUMINATING OIL (Refined Oil Rangin				
42° to 47° A.P.I., or 0.8155 to 0.7927-Kerosene	Blended			
to Lower Gravity Fuels Omitted -		14.0 (200 200)		al mal year
For coal oil stoves and lamps	Imp.Gal.	2,784,717	4,707,943	5,968,191
For lanterns, lamps and signals for railways	Imp.Gal.	180,114	229,796	287,368
For electric light plants	Imp.Gal.		7,925	14,472
For manufacturing purposes, as fuel	Imp.Gal.	74,300	1,224,569	1,402,052
For manufacturing purposes, as material	Imp.Gal.	13,010	198,071	914,397
For tractor fuel	Imp.Gal.		* * *	530,426
For unspecified uses	Imp.Gal.	* * *	* * *	
Total Deliveries Kerosene, All Uses	Imp.Gal.	3,052,141	6,368,304	9,176,906
Portion of imported kerosene in above	Imp.Gal.	246		36,167
TOTAL OF THE OF THE OFFICE THE GROVE	AMIN & CICLL &	230	* * *	00,107
(d) PETROLEUM COKE -				
Total for Domestic and Industrial Heating	Short Tons	236	423	58,475
and the same and the same as a same a same as a same as a same as a same as a same				,

Amounts recorded for Domestic heating, for Industrial heating and power, and for Motor vehicles were for actual consumption within the provinces. Industrial gallonage excludes oil consumed under refinery boilers; the volume of deliveries in each province is largely determined by the number of heavy industries located therein, important consumers being: mills and plants for the production of tempering of steels, structural steel shapes and steel goods; ore reduction works, smelters, and refineries, for the recovery of base and precious metals; heavy chemical, sugar refining, liquor distilling, and canning industries; also electric power plants. Motor vehicles: in general, tractors include farm machinery.

Refiners and Distributors)

iter Titere gran	Distributors)			CANADA				
	Saskat-	Alberta and	British	1945 1944				
Manitoba	chewan	Northwest	Columbia		% of total		% of total	
		Territories	and Yukon	Quantity	fuel oil and	Quantity	fuel oil and	
					distillate		distillate	
7 067 404	7 001 628	20 749	20 454 222	06 400 300	10.7	20 200 20E	0.0	
1,061,494	1,091,623	20,348	12,434,221	96,499,188	10.3	70,308,305	8.0	
434,885 ⁴ 7,742,403	5,712,283	493,048 4,951,785	4,191,522 56,777,044	18,920,003	2.0	29,544,096	3.4	
308,189	44,095	900	1,484,675	311,230,175	33.4	307,932,481	36.2	
3,629,772	4,955,252	4,979,390	3,343,123	28,957,120	3.1	29,615,183	3.4	
677,009	9,132,832	39,209,448	18,495,802	76,413,010	8.2	60,293,240	6.9	
77,948	0,202,002	296,720	72,882,710	301,539,142	32.3	305,636,875	34.8	
13,931,700	33,405,924	49,951,639	169,609,097	844,751,603	90.5	803,330,180	91.7	
10,501,700	20,200,022	310,420	19,232,493	56,702,617	6.1	59,329,722	6.8	
803	676	27	5,392	45,890		31,779	• • • •	
			0,002		• • • • • • • • • • • • • • • • • • • •	023110	***	
13,211	610,425	71,244	9,863,566	47,337,659	5.1	33,020,437	3.7	
* * *		825		825		44,961		
***	135	344,761	96,777	1,262,062	0.1	2,178,981	0.2	
1,335			26,565	332,474				
13,407,897	13,212,242	8,791,929	38,358	39,559,370	4.3	38,555,336	4.4	
				3,728		2,665		
* * *		* * *	900	900		58,806	* * *	
13,422,443	13,822,802	9,208,759	10,026,166	88,497,018	9.5	73,861,186	8.3	
***	3,240	217,473	23,324	244,037		520,883		
27,354,143	47,228,726	59,160,398	179,635,263	933,248,621	100.0	877,191,366	100.0	
2,831,655	8,251,994	7,911,780	38,363,067	138,749,894	14.8	113,821,494	13.0	
• • •	3,240	527,893	19,255,817	56,946,654	6.1	59,850,605	6.8	
	1				d of		d =6	
					% of total		% of	
1,592,355	2,357,560	2,506,291	1,189,939	21,106,996	73.2	20,821,351	total 84.2	
161,326	145,971	93,303		1,222,832	4.2	1,157,628	4.7	
8,362	12,481	457-	124,954	43,697	0.2	37,835	0.2	
522,610	779,440	313,588	167,738	4,544,297	15.8	1,016,400	4.1	
33,353	32,426		4,795	1,196,052	4.1			
64,262	72,392	26,225	13,860	707,165	2.5	1,656,973	6.7	
	12,002					8,935		
* * *		• • •				26,565	0.1	
2,382,268	3,400,270	2,939,864	1,501,286	28,821,039	100.0	24,725,687	100.0	
49,679	108,906	3,870	666,447	865,315	3.0	4,065,617	16.4	
	639	4 6 9	82	59,855	100.0	25,616	100.0	

Specific consumption during the year by Railways operating in Canada for building, station and car heating, under shops' boilers, in forges, etc., are distributed under the above categories, railway requirements are accepted at delivery points within the provinces but are moved and consumed where required. Fuel for Bunkering was supplied from fueling depots in the provinces irrespective of ships' destinations and ownership.

Table 2 - INVENTORIES OF PETROLEUM FUELS AS AT DECEMBER 31, 1945 (Suppliers = Refiners and Distributors;

	Unit of measure	Maritimes	Quebec	Ontario
Fuel Oils-All grades to 39° A.P.I				
Suppliers	Imp.Gal.	21,898,357	50,515,503	75,091,805
Consumers	Imp.Gal.	147,607	9,885,164	30,085,771
Total to 39° A.P.I	Imp.Gal.	22,045,964	60,400,667	105,177,576
Fuel Oils—All grades, 39° A.P.I. and above	Imp.Gal.	729,155	1,629,554	1,232,701
Suppliers	Imp.Gal.	623	29,324	51,398
Total 39° A.P.I. and Above	Imp.Gal.	729,778	1,658,878	1,284,099
Kerosene, Refined -				
Suppliers	Imp.Gal.	2,047,585	4,190,903	4,828,758
Consumers	Imp.Gal.	786	30,307	44,139
Total Kerosene	Imp.Gal.	2,048,371	4,221,210	4,872,897
Petroleum Coke -				
Suppliers	Short tons		1,690	9,418

Table 3 - DELIVERIES OF FUEL OIL FOR DOMESTIC HEATING, IN PRINCIPAL CITIES, 1944 and 1945

Deriver and Cities		nd boilers with fuel	Furnace and	Furnace and boiler fuel		
Principal Cities	1944	1945	1944	1945		
	No.	No.	Imp.Gal.	Imp.Gal.		
Maritime Provinces -						
Charlottetown and Saint John	604	737	1,400,042	2,143,065		
Halifax	884	1,042	2,003,630	2,825,459		
Quebec -	C 003	0.075	15 250 041	20 614 490		
Montreal	6,081	9,275	15,258,941	28,614,489		
Quebec	703	1,341	1,343,012	3,196,248		
Sherbrooke	328	418	606,874	823,725		
Three Rivers	161	353	385,271	672,551		
Ontario -						
Hamilton	691	923	1,525,500	2,198,841		
London	807	796	1,298,650	1,356,376		
Ottawa	2,036	2,971	3,472,095	4,772,514		
Toronto	7,916	10,693	16,121,673	18,390,014		
Windsor	103	85	156,100	113,488		
				20 14		
Prairie Provinces -						
Winnipeg and Brandon	497	523	766,631	749,677		
Regina and Saskatoon	195	503	910,131	853,904		
British Columbia -						
Vancouver and New Westminster	2,305	3,966	7,141,353	9,787,426		
Victoria	730	957	926,574	1,765,823		
ATCOULTE	700	307	000,071	2,100,020		
	04.043	7.4 FOR	F2 73C 407	70 207 000		
Total for Above Cities: Domestic Heating Only	24,041	34,583	53,316,477	78,263,600		
Total for Canada: Domestic Heating Only	31,779	45,890	70,308,305	96,499,188		
Total for Canada, All Dumoses			800,356,180	844,751,603		
Total for Canada: All Purposes		• • •	000,000,100	044, 101,000		

Consumers - Industrial Users)

Manitoba Saskatchewan		Alberta and Northwest British Columbia Territories and Yukon		CANADA 1945 1944		
765,900	5,586,886	9,361,217	26,768,685	189,988,353	200,529,000	
202,870	501,433	11,882	3,212,460	44,047,187		
968,770	6,088,319	9,373,099	29,981,145	234,035,540 16,574,306	249,706,000	
2,777	2,237	671	41,591	128,621	121,000	
1,962,778	6,077,453	4,648,187	341,754	16,702,927		
398,490	1,535,626	1,145,496	1,092,755	15,239,613	13,400,000	
2,933	706	90	2,991	81,952	114,000	
401,423	1,536,332	1,145,586	1,095,746	15,321,565	13,514,000	
* * *	2,515		3	13,623	6,580	

C4 3 P	P 3		Total for Domes	stic Heating	
Stove and Ran	ge ruei	1 9 4	4	1 9 4	
	9 4 5 mp.Gal.	Imp. Gal.	Per cent (a)	Imp. Gal.	Per cent (a)
1,560,090	,851,386	2,960,132	79.1	3,994,451	79.7
	,860,885	4,654,843	64.3	5,686,344	64.8
		Relative to	UPSEL WILDER	Maria di	
	,448,995	25,083,047	67.9	41,063,484	65.9
1,200,549	863,661	2,543,561	6.9	4,059,909	6.5
237,240	619,250	844,114	2.3	1,442,975	2.3
250,375	239,483	635,646	1.7	912,054	1.4
40 550	45 250	3 560 050	A 5	2 244 503	F 2
42,550	45,750	1,568,050	4.5 3.8	2,244,591	5.2 4.8
44,850	719,189	1,343,500		2,075,565	
108,667	128,815	3,580,762	10.2	4,901,329	11.4
298,492	392,857	16,420,165	46.8	18,782,871	44.0
14,100	29,024	170,200	0.5	142,512	0.3
6,468	856	773,099	77.4	750,533	60.9
25,742	299,000	935,873	42.3	1,152,904	60.7
20,122	200,000	200,010	10.0	2,101,001	
3,065,636	,747,763	10,206,989	60.8	15,535,189	69.6
	,417,919	2,808,867	13.2	3,183,742	14.2
20 612 771 25	1 CCA 087	77 000 040	77 5/2-\	105,928,435	73.6(b)
20,612,371 27	,664,853	73,928,848	71.5(b)	100,320,400	73.0(8)
33,031,525 47	,337,659	103,339,830	11.7(c)	143,856,847	15.4(c)
76,835,186 88	497,018	877,191,366	100.0	953,248,621	100.0

⁽a) Per cent of total for province in which city is located except where noted.(b) Per cent of Canadian Domestic Heating Total.(c) Fer cent of total deliveries for all categories.

Table 4 - CONSUMPTION OF PETROLEUM FUELS BY RAILWAYS, 1945

Province	Heating hotels, cars, stations and buildings	As fuel under shops' boilers, forges	Locomotives (Thousands of	Steamships, etc. (bunkering) Imperial Gallons	Various other uses (a)	Total con- sumption of Fuel Oil	Total con- sumption of Kerosene (b)
Maritimes	* * *	680	779	3,254	• • •	4,713	180
Quebec	1,030	2,218	881	• • •	343 (d)	4,472	230
Ontario	623	2,763	153	778	99	4,416	287
Prairie Provinces	• • •	1,112	44,579	• • •	88 (d)	45,779	401
British Columbia and Yukon	267	3,966(c)	52,509	21,468	183 (d)	78,393	124
CANADA	1,920	10,739	98,901	25,500	713	137,773	1,222

⁽a) Fuel oil for miscellaneous use excludes gas oil used in four gas plants for production of manufactured gas.

⁽b) Kerosene used is for signals, lights and lanterns, and excludes amounts used for cleaning.

⁽c) Includes steam plant for electric power.

⁽d) Excludes gas works.