

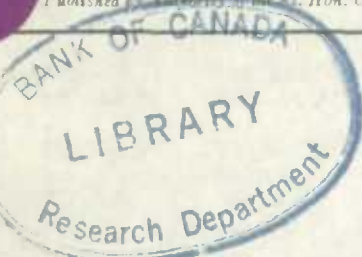
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CONSUMPTION OF PETROLEUM FUELS, 1952

Deliveries of heavy and medium fuel oils (Nos. 4, 5 and 6) to Canadian users totalled 1,418 million gallons in 1952, according to reports received from refiners and distributors. About 34 per cent of this total was used in industrial plants as fuel or as material, 16 per cent was used under oil refinery boilers, 20 per cent by railways, 17 per cent for ships' bunkers, 12 per cent for heating residences and commercial buildings and for lighting and cooking, and 1 per cent by electric light plants.

Consumption or deliveries of furnace oils and other light fuel oils amounted to 837 million gallons of which 86 per cent was for heating homes and commercial buildings, 12 per cent for industrial purposes and just 2 per cent for other uses.

Deliveries of diesel fuel totalled 321 million gallons of which 32 per cent was used by tractors and other motor vehicles, 16 per cent by ships, 16 per cent by industrial concerns, 23 per cent by railways, 5 per cent by electric light plants, 3 per cent for heating homes, etc., and 5 per cent for other purposes.

Deliveries of stove oil, kerosene and illuminating oil, and tractor fuel, amounted to 350 million gallons of which 88 per cent was for heating, lighting and cooking, 6 per cent for use in tractors, 2 per cent for industrial purposes and 4 per cent for other uses.

Imports of petroleum fuels in 1951, by firms included in this survey, included 252 million gallons of heavy fuel oil, 258 million gallons of furnace oils and other light fuel oils, 69 million gallons of diesel fuel, 96 million gallons of stove oil and kerosene, and 231,717 tons of petroleum coke.

Gasoline consumption has not been included in this survey but, from other studies, it appears that the total usage in Canada in 1952 totalled 2,343 million gallons of motor gasoline and 87 million gallons of aviation gasoline.

Data given in this report have been compiled from reports submitted by refiners, dealers and large consumers of petroleum fuels.

Total deliveries of fuel oils, furnace oils, stove oil, kerosene, etc., for heating residences and buildings (other than industrial plants), and for cooking and lighting, were as follows during the past eighteen years.

Year	Millions of gallons	Year	Millions of gallons
1935	132.2	1944	125.3
1936	134.6	1945	164.9
1937	140.0	1946	348.9
1938	143.0	1947	569.5
1939	161.7	1948	596.2
1940	172.7	1949	655.6
1941	169.7	1950	863.4
1942	146.5	1951	1,042.5
1943	117.9	1952	1,220.2

Prepared in the Mining, Metallurgical & Chemical Section, Industry and Merchandising Division.

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Table 1 - DELIVERIES OF PETROLEUM FUELS FOR CONSUMPTION, CALENDAR YEAR 1952, AS REPORTED BY REFINERS AND

	Atlantic Provinces	Quebec	Ontario	Manitoba
(a) HEAVY AND MEDIUM FUEL OILS (Nos. 6, 5 and 4) -				
For heating homes and buildings and for lighting and cooking	6,723,287	65,932,451	42,845,789	13,540,107
For consumption under refinery boilers	16,881,100	70,905,027	64,382,753	9,600,786
For electric light plants	69,103	...	...	...
For industrial purposes, as fuel or material .	63,439,800	144,787,090	140,352,719	19,594,457
For tractors and other motor vehicles, as fuel	980,123	...	10,000	...
To railways	22,449,420	3,195,655	5,181,597	9,816,182
To ships for bunkering	62,902,107	125,104,068	23,481,226	78,820
For unspecified uses .....	...	...	...	...
Total Deliveries of Fuel Oils, All Uses ...	173,444,940	409,924,291	276,254,084	52,630,352
(b) HEAVY AND LIGHT FURNACE OILS (Nos. 3 and 2) -				
For heating homes and buildings and for lighting and cooking	57,854,958	171,278,337	360,802,905	32,023,258
To electric light plants .....	...	296,879	1,600	...
For industrial purposes, as fuel or material .	2,754,325	40,118,065	52,975,353	1,882,515
For tractors and other motor vehicles, as fuel	...	230,435	191,328	...
To railways	412,411	2,775,052	544,087	932,232
To ships and boats, as fuel	231,628	48,005	16,377	...
For unspecified uses .....	...	1,068,810	...	...
Total Deliveries of Furnace Oils, All Uses.	61,253,322	215,815,583	414,531,650	34,838,005
(c) DIESEL FUEL -				
For heating homes and buildings and for lighting and cooking	473,411	1,910,858	3,370,430	2,910
To electric light plants	3,009,390	122,399	570,286	421,511
For industrial purposes, as fuel or material .	5,049,831	2,346,905	6,184,344	578,573
For tractors and other motor vehicles, as fuel	11,197,854	16,075,610	14,332,764	11,923,342
To railways	7,749,046	13,905,172	37,876,894	2,611,613
To ships and boats, as fuel	15,232,679	14,405,172	4,568,101	...
For unspecified uses .....	...	2,534,317	3,134,400	...
Total Deliveries of Diesel Fuel, All Uses .	42,712,211	51,300,433	70,037,219	15,537,949
(d) STOVE OIL (No. 1), TRACTOR FUEL, KEROSENE AND ILLUMINATING OIL -				
For heating homes and buildings and for lighting and cooking	42,493,616	119,022,168	86,594,839	6,401,704
To railways	238,639	284,406	322,873	245,228
To electric light plants .....	...	41,457	1,075	114,486
For industrial purposes, as fuel or material .	254,331	2,353,361	1,782,599	539,519
For tractors and other motor vehicles, as fuel	...	167,605	2,192,331	5,496,376
For unspecified uses	4,376,941	1,660,326	3,414,093	...
Total Deliveries of Section (d), All Uses .	47,363,527	123,529,323	94,307,810	12,797,313
(e) COMBINED TOTALS OF SECTIONS (a) - (d) -				
For heating homes and buildings and for lighting and cooking	107,545,272	358,143,814	493,613,963	51,967,979
For consumption under refinery boilers	16,881,100	70,905,027	64,382,753	9,600,786
To electric light plants	3,078,493	460,735	572,961	535,997
For industrial purposes, as fuel or material .	71,498,287	189,605,421	201,295,015	22,595,064
For tractors and other motor vehicles, as fuel	12,177,977	16,473,650	16,726,423	17,419,718
To railways	30,849,516	20,160,285	43,925,451	13,605,255
To ships and boats, as fuel	78,366,414	139,557,245	28,065,704	78,820
For unspecified uses	4,376,941	5,263,453	6,548,493	...
Total Deliveries of all Liquid Fuels, All Uses	324,774,000	800,569,630	855,130,763	115,803,619
(f) FURNACE BURNERS AND BOILERS SUPPLIED WITH FUELS SHOWN IN SECTIONS (a), (b) and (c)				
	37,103	117,682	281,307	29,364
(g) PETROLEUM COKE -				
For domestic and industrial heating .....	...	...	15,602	...
For industrial purposes, as material .....	...	327,854	206,027	15
Total Deliveries of Petroleum Coke .....	...	327,854	221,629	15

DISTRIBUTORS

Saskatchewan (Imperial gallons)	Alberta and Northwest Territories	British Columbia and Yukon	C A N A D A		C A N A D A	
			1 9 5 2	Per cent of section total	1 9 5 1	Per cent of section total
11,121,383	362,010	37,163,512	177,688,539	12.5	147,010,431	10.8
18,320,749	24,171,059	15,644,021	219,905,495	15.6	209,553,025	15.4
15,783,831	...	...	15,852,934	1.1	16,355,528	1.2
16,745,858	8,519,402	93,204,815	486,644,141	34.4	500,485,951	36.8
...	...	...	990,123	...	1,006,787	...
14,611,293	133,277,805	88,446,457	276,978,409	19.5	259,530,174	19.1
...	47,397	28,124,918	239,738,536	16.9	227,915,951	16.7
...
76,583,114	166,377,673	262,583,723	1,417,798,177	100.0	1,361,857,847	100.0
40,000,177	12,159,440	49,869,093	723,988,168	86.3	583,472,891	87.3
...	833,584	...	1,132,063	.1	117,542	...
15,915	522,512	1,298,376	99,567,061	11.6	68,476,464	10.3
105,259	46,105	...	573,127	.7	2,739,588	.4
2,623,854	237,405	2,124,798	9,649,839	1.2	9,712,784	1.5
250,440	...	...	546,450	...	1,550,719	.2
78,761	...	...	1,147,571	.1	2,128,979	.3
43,074,406	13,799,046	53,292,267	836,604,279	100.0	668,198,967	100.0
1,528,003	1,767,463	33,077	9,086,152	2.8	12,458,931	4.9
5,076,076	3,143,054	4,431,184	16,773,900	5.3	16,012,335	6.2
97,065	18,616,477	19,592,738	52,465,933	16.4	48,427,491	18.9
17,704,204	16,919,930	15,231,374	103,385,078	32.2	74,742,598	29.1
438,260	5,667,115	5,757,037	74,005,137	23.0	48,345,216	18.8
...	325,395	16,229,370	50,760,717	15.8	53,093,311	20.7
1,477,581	3,123,580	4,131,425	14,401,303	4.5	3,501,050	1.4
26,321,189	49,563,014	65,406,205	320,878,220	100.0	256,580,932	100.0
2,822,512	6,878,329	45,261,396	309,474,564	88.3	299,603,886	84.6
51,180	173,710	2,804,216	4,120,252	1.1	2,564,014	.7
...	5,404	...	162,422	...	400,356	.1
7,549	1,554,654	334,779	6,826,792	2.0	24,083,631	6.9
6,728,489	4,913,972	273,433	19,772,206	5.7	21,237,969	6.0
...	558,902	...	10,010,262	2.9	5,999,459	1.7
9,609,730	14,084,971	48,673,824	350,366,498	100.0	353,889,315	100.0
55,472,075	21,167,242	132,327,078	1,220,237,423	41.7	1,042,546,139	39.5
18,320,749	24,171,059	15,644,021	219,905,495	7.5	209,553,025	8.0
20,859,907	3,982,042	4,431,184	33,921,319	1.1	32,885,761	1.2
16,866,387	29,213,045	114,430,708	645,503,927	22.1	641,473,537	24.3
24,537,952	21,880,007	15,504,807	124,720,534	4.3	99,726,942	3.8
17,724,587	139,356,035	99,132,508	364,753,637	12.5	320,152,188	12.1
250,440	372,792	44,354,288	291,045,703	9.9	282,559,981	10.7
1,556,342	3,682,482	4,131,425	25,559,136	.9	11,629,488	.4
155,588,439	243,824,704	429,956,019	2,925,647,174	100.0	2,640,527,061	100.0
(Number)						
26,224	2,672	44,374	538,726	...	423,549	...
(Short tons)						
...	...	...	15,602	2.9	75,901	13.3
...	...	...	533,896	97.1	492,714	86.7
...	...	...	549,498	100.0	568,615	100.0

Petroleum Fuels

- 4 -

Table 2 - INVENTORIES OF PETROLEUM FUELS, AS AT DECEMBER 31, 1952 (Suppliers = Refiners and Distributors)

	Atlantic Provinces	Quebec	Ontario	Manitoba (Imperial)
(a) Heavy and Medium Fuel Oils -				
Suppliers	13,251,136	70,528,196	52,475,765	5,514,442
Consumers	34,773,319	28,810,883	42,244,526	746,047
Total Fuel Oils	48,024,455	99,339,079	94,720,291	6,260,489
(b) Heavy and Light Furnace Oils -				
Suppliers	17,905,704	92,838,016	174,990,664	7,545,317
Consumers	78,343	1,716,379	3,348,833	54,262
Total Furnace Oils	17,984,047	94,554,395	178,339,497	7,599,579
(c) Diesel Fuel -				
Suppliers	17,341,027	24,968,332	19,499,039	8,015,871
Consumers	569,044	387,337	633,507	65,954
Total Diesel Fuel	17,910,071	25,355,669	20,132,546	8,081,825
(d) Stove Oil, Kerosene, Tractor Fuel and Illuminating Oil -				
Suppliers	13,448,857	38,309,229	28,246,667	794,095
Consumers	6,870	124,236	668,323	41,383
Total Section (d)	13,455,727	38,433,465	28,914,990	835,478
(e) Total of (a), (b), (c) and (d) -				
Suppliers	61,946,724	226,643,773	275,212,135	21,869,725
Consumers	35,427,576	31,038,835	46,895,189	907,646
Total Section (e)	97,374,300	257,682,608	322,107,324	22,777,371
(Short tons)				
(f) Petroleum Coke -				
Suppliers .....	...	...	9,423	...
Consumers .....	...	97,367	74,525	23
Total .....	...	97,367	83,948	23

Table 3 - DELIVERIES OF FUEL, FURNACE AND DIESEL OILS, FOR HEATING, IN PRINCIPAL CITIES, 1952 and

Principal Cities	Furnace and boilers supplied No.	Fuel oils (Nos. 6 and 5) Imp. gal.	Furnace oils (Nos. 3 and 2) Imp. gal.
Atlantic Provinces - St. John's	2,986	2,021,330	5,417,961
Charlottetown	1,300	705,794	2,540,189
Saint John	5,671	754,393	11,688,405
Halifax	16,438	2,503,439	18,747,972
Quebec - Montreal	73,327	46,472,989	102,664,459
Quebec	8,200	10,389,175	15,887,885
Sherbrooke	3,938	1,455,376	5,297,956
Three Rivers	2,181	1,824,913	2,463,183
Ontario - Hamilton	20,262	2,709,900	24,078,672
London	11,748	929,390	14,223,670
Ottawa	20,657	2,087,735	27,932,429
Toronto	125,777	32,289,417	151,388,889
Windsor	5,497	340,000	6,885,038
Prairie Provinces - Winnipeg and Brandon	16,189	11,436,941	18,811,593
Regina and Saskatoon	9,114	7,746,035	12,143,265
Edmonton and Calgary	1,294	...	1,735,632
British Columbia - Greater Vancouver	30,165	21,472,357	33,312,389
Victoria	6,703	4,398,953	7,931,947
Total for above cities - Heating only	361,447	149,538,137	463,151,534
Total for Canada - Heating only	538,726	177,688,539	723,988,168
Total for Canada - All Purposes .....	...	1,417,798,177	836,604,279

Note: Suburban districts are included in above figures.

Petroleum Fuels

- 5 -

(Consumers - Industrial users)

(Consumers & Industrial Users)			C A N A D A	
Saskatchewan	Alberta and Northwest Territories	British Columbia and Yukon	1 9 5 2	1 9 5 1
gallons)				
8,351,317	14,821,143	22,806,314	187,748,313	136,722,208
870,140	17,943	7,262,101	114,724,959	91,155,461
9,221,457	14,839,086	30,068,415	302,473,272	227,877,669
10,597,295	7,665,284	5,619,721	317,162,001	261,907,583
420	392,813	157,332	5,748,382	9,077,554
10,597,715	8,058,097	5,777,053	322,910,383	270,985,137
5,305,780	10,160,096	10,381,522	95,671,667	81,644,572
458,850	94,888	566,462	2,776,042	3,121,111
5,764,630	10,254,984	10,947,984	98,447,709	84,765,683
3,979,018	3,408,072	6,606,294	94,792,232	92,506,373
10	518	52,708	894,048	1,143,477
3,979,028	3,408,590	6,659,002	95,686,280	93,650,350
28,233,410	36,054,595	45,413,851	695,374,213	572,781,236
1,329,420	506,162	8,038,603	124,143,431	104,497,603
29,562,830	36,560,757	53,452,454	819,517,644	677,278,839

(Short tons)

...	...	...	9,423	6,439
...	...	...	171,915	183,503
...	...	...	181,338	189,942

COMPARATIVE TOTALS FOR 1951

5 2				1 9 5 1	
Diesel fuel	Total	Per cent of provincial total	Furnaces and boilers supplied	Total fuel, furnace and diesel oils	Per cent of provincial total
Imp. gal.	Imp. gal.		No.	Imp. gal.	
...	7,439,291	70.0	2,645	6,347,115	75.2
139,691	3,385,674	81.5	1,169	3,151,231	83.6
90	12,442,888	63.4	4,767	10,827,912	67.6
11,844	21,263,255	70.5	9,723	17,339,504	70.7
613,155	149,750,603	62.6	67,388	141,059,134	65.8
...	26,277,060	10.9	7,369	22,241,464	10.4
...	6,753,332	2.9	2,750	4,220,493	2.0
800	4,288,896	1.8	1,314	2,952,883	1.4
89,786	26,878,358	6.6	15,480	23,109,958	6.9
...	15,153,060	3.7	8,011	11,218,170	3.4
...	30,020,164	7.4	15,788	25,377,508	7.6
...	183,678,306	45.1	103,542	166,119,243	49.7
...	7,225,038	1.8	4,271	6,295,018	1.9
...	30,248,534	66.4	12,900	29,945,985	95.1
1,028,400	20,917,700	39.6	9,169	20,449,389	60.2
16,228	1,751,860	12.3	2,480	2,625,076	63.0
1,620	54,786,366	62.9	29,504	50,008,543	69.7
...	12,330,900	14.2	6,310	9,330,360	13.7
1,901,614	614,591,285	67.5(a)	304,580	553,118,986	74.4(a)
9,086,152	910,762,859	35.4(b)	423,549	742,942,253	32.5(b)
320,878,220	2,575,280,676	...	...	2,286,637,746	...

(a) Percentage of Canadian heating total.

(b) Percentage of total deliveries of all above categories, for all purposes.



Table 4 - CONSUMPTION OF PETROLEUM FUELS BY RAILWAYS (STEAM AND ELECTRIC), 1952 - (As reported by railways)

Province	F u e l O i l s						Various other uses (a)	Total con- sumption of fuel oil	Kerosene, for signals, lights and lanterns (b)
	Heating hotels, cars, stations and buildings	As fuel under shops' boilers, forges, etc.	Loco- motives	Steamships and boats (bunkering)	Tractors, trucks, buses, etc.	Electric light plants			
(Thousands of Imperial gallons)									
Atlantic Provinces	257	2,721	18,410	8,152	...	407	8	29,955	195
Quebec	2,078	3,363	11,866	19	1,105	204	19	18,654	179
Ontario	1,357	3,058	33,899	683	674	406	55	40,132	282
Prairie Provinces.	884	1,694	91,301	...	85	1,539	78(c)	95,581	358
British Columbia and Yukon	1,350	8,009	130,265	25,198	...	2,382	5,452(c)	172,656	42
CANADA	5,926	18,845	285,741	34,052	1,864	4,938	5,612	356,978	1,056

(a) Fuel oil for miscellaneous use does not include gas oil used in four gas plants for production of gas.

(b) Does not include amounts used for cleaning.

(c) Does not include amounts used in gas manufacture.