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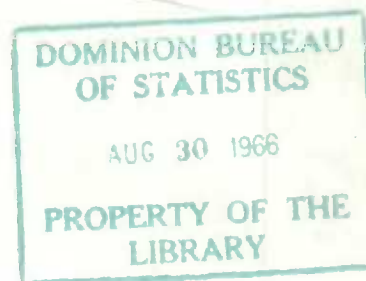


# REFINED PETROLEUM PRODUCTS VOLUME II

## 1964

(CONSUMPTION OF PETROLEUM PRODUCTS)

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The first part of the report deals with the general situation of the country and the progress of the work during the year. It is followed by a detailed account of the various projects and the results achieved.

The second part of the report deals with the financial aspects of the work. It gives a summary of the income and expenditure for the year and a statement of the balance sheet.

The third part of the report deals with the personnel of the organization. It gives a list of the staff and a description of their duties.

The fourth part of the report deals with the results of the work. It gives a summary of the achievements of the organization during the year and a statement of the progress made towards the objectives set at the beginning of the year.

The fifth part of the report deals with the future plans of the organization. It gives a statement of the objectives for the next year and a description of the measures to be taken to achieve them.

The sixth part of the report deals with the conclusions of the work. It gives a summary of the main findings of the report and a statement of the recommendations made.

The seventh part of the report deals with the appendixes. It gives a list of the documents and other material referred to in the report.

## INTRODUCTION

1. Two slight changes were made in the format of this 1964 publication compared with the 1963 issue:

The first was the addition of a "Sales other" line in the "Kerosene, stove oil and tractor fuel", "Diesel Fuel Oil" and "Light Fuel Oil" categories. In completing the reporting schedules, the respondents were asked to enter on this line "any sales to companies whose names do not appear on the List of Reporting Companies where the ultimate disposition is not known". As with the 1963 survey, it was necessary for DBS to adjust the entries relating to sales to jobbers, based on knowledge of the areas being serviced and the market.

The second change is in the "Lubricating Oils and Greases" section. The "Other" sales category in "Oils" was broken into "Motor crankcase oils" and "Other lubricating oils".

2. The "Inter-provincial transfers" line in the Middle Distillates and Lubricating Oils and Greases sections refers to movements of product at the small Marketer-Distributor level after receipt from a refiner or a large importer-marketer and are in addition to the inter-provincial product movement in Canada reported in Refined Petroleum Products Vol. I.
3. The "Classification, Refined Petroleum Products", pages 6 and 7 and the "Description of Consumer Categories" pages 8 through 12 were the guidelines used by the respondents to this annual survey and have been included in this publication for the benefit of the reader.

## SYMBOLS

- Nil or zero.

.. Figures not available.

... Not appropriate or not applicable.

## CLASSIFICATION - REFINED PETROLEUM PRODUCTS

The following list is used as a guide in the reporting and editing of the monthly and annual Refined Petroleum Products Surveys. As it is not feasible to list all brand names in use in the Industry, this list is intended only to give a reasonable sample of product names that have been established by common use. It should be noted that, where descriptive names do not provide adequate identification, the emphasis for classification purposes has been put on the end use of the product. In cases where products have brand names that are misleading for classification purposes, or are re-brands of basic products, classification has been determined according to the basic products used, e.g. Weed Killer (Naphtha specialties), Pole Treating Oil (Heavy fuel), Dust Layer (Asphalt), etc.

<u>Product category</u>	<u>Description</u>
Liquefied petroleum gases .....	All propane, butane and mixes.
Naphtha specialties .....	Industrial and Commercial solvents Lighting naphtha Mineral spirits Paint thinners.
Aviation gasoline .....	All gasoline type fuels for piston-type aircraft engines.
Motor gasoline .....	All gasoline type fuels for internal combustion engines other than aircraft.
Aviation turbo fuel .....	All fuels for turbo-jet or straight jet or straight jet type aircraft engines.
Kerosene, stove oil and tractor fuel ...	Distillate type tractor fuel Kerosene Mineral lamp oil No. 1 fuel oil Stove oil (including all vapourizing burner oil).
Diesel fuel oil .....	All grades of distillate fuel sold for diesel engine use.
Light fuel oil (Nos. 2 and 3) .....	All distillate type fuels for power burners. Fuel oil No. 2 (heating oil No. 2). Fuel oil No. 3 (heating oil No. 3). Furnace fuel oil. Gas oils. Light industrial fuel.
Heavy fuel oil (Nos. 4,5 & 6) .....	All grades of residual type fuels (including low sulphur) for both steam and diesel engines. Bunker fuel oil (including Bunker A, Bunker B and Bunker C). Fuel oils Nos. 4, 5 or 6. Residual fuel oil.

<u>Product category - concluded</u>	<u>Description - concluded</u>
Asphalt .....	Asphalt flux. Asphalt primers. Asphaltic saturants. Bitumuls. Briquetting binder. Cutback asphalt. Liquid or solid asphalts. Oxidized asphalt. Paving compounds. Road oil. Roofing compound, fluxes or primers.
Lubricating oil and grease .....	All oils and greases of petroleum origin manufactured or sold for lubricating purposes. Automotive or Industrial oils which may be described as having special properties other than lubrication alone, such as brake fluids, automatic transmission oils, industrial cutting oils or coolants and rust preventatives. Cordate oils. Ink oils. Lubricating oil and grease additives when imported or purchased for blending purposes and will add to volumes produced from crude. Nepthenic acid. Transformer and insulating oils. White oils and petroleum jellies used in pharmaceuticals and cosmetics.



## DESCRIPTION OF CONSUMER CATEGORIES

### A. Liquefied Petroleum Gases

#### Residential, commercial and farm use

Includes all sales for heating, cooking and refrigeration in private houses, apartments, hotels, restaurants, retail and wholesale establishments, professional and business offices, religious, educational and governmental institutions, sales to farms for all uses, and sales for use in vehicles.

#### Industrial use

Includes all sales for industrial use such as mining and metallurgical, pulp and paper, textile and knitting mills, rubber products, leather, etc.

#### Gas Utilities

Includes all sales to gas transmission and distribution systems for use in compressors and for gas enrichment.

### B. Naphtha

Paint and varnish manufacture - Includes all sales to companies engaged in the manufacturing of paint and varnish.

Dry cleaning - Includes all sales to dry cleaning establishments and to jobbers who are known to re-sell to such establishments.

Other - Includes all sales other than those in the first two categories.

### C. Aviation Gasoline and Aviation Turbo Fuel

Canadian airlines - Includes all sales made in Canada to all scheduled and non-scheduled Canadian carriers, (Groups I-V of "Civil Aviation") irrespective of whether the aircraft is in domestic or foreign service.

Foreign airlines - Includes all sales made in Canada to scheduled or non-scheduled foreign carriers.

Foreign governments - Includes all sales delivered in Canada to foreign governments for military aircraft and for such agencies as SAC, NORAD and NATO. Sales to commercial airlines operating under foreign government subsidy (e.g. BOAC and KLM) have been reported under "Foreign airlines".

Federal and provincial governments, armed forces and police forces - Includes all sales to federal and provincial government departments, police forces and to the Canadian Armed Forces. It does not include sales to foreign governments for military use.

General flying - Includes all sales to or for private aircraft, flying clubs, corporate flying and specialty flying services such as crop spraying, aerial photography and prospecting.



C. Aviation Gasoline and Aviation Turbo Fuel - Concluded

Other - Includes all sales to aircraft manufacturers and to any customers not included in the previous categories.

D. Motor Gasoline

Retail pump outlets - Includes all sales to service stations, irrespective of the type of ownership or operation and to jobbers whose sales are known to be resold through this type of outlet, e.g. private branches, Canadian Tire, GEM stores, etc.; and to marinas. It does not include retail sales of farm trade agents and commission agents who market retail gasoline through a bulk station.

Farms - Includes only those sales where deliveries are made directly to farms in tank trucks and to farm trade agents and commission agents known to sell to farms. No attempt was made to estimate the sales made to farmers by retail pump outlets.

Federal and provincial governments, armed forces and police forces - Includes sales to all federal and provincial government departments, police forces and to the Canadian Armed Forces. It does not include sales to

- (a) Foreign governments for military use;
- (b) County, township and other municipal governments; (such sales are included in "Commercial transportation";
- (c) Federal and provincial crown companies such as Polymer and the Hydro Electric Power Commission of Ontario; (such sales are treated as though they were made to private concerns and are categorized similarly to those firms performing similar functions).

Commercial transportation - Includes all sales to or for trucking firms, whether privately operated or for hire; to public and private bus lines, both urban and inter-urban; to taxi fleets; and to county, township and other municipal services such as road maintenance and garbage collection.

Other - Includes all sales not considered to belong in the previous categories, such as sales to or for the construction industry, woods operations, mining and fisheries, etc.

E. Kerosene, Stove Oil and Tractor Fuel; Diesel Fuel Oil;  
Light Fuel Oil; Heavy Fuel Oil

Residential, apartment and farm use

Includes all sales to or for urban and rural houses and apartment buildings.

Commercial heating (excluding apartments)

Includes all sales to or for offices, hotels, institutions, schools, stores amusement facilities, municipal services, etc., and to light industry where it is known or can be reasonably assumed that the use of heating fuels is for comfort or space heating. If it is known or can be reasonably assumed that the fuel, or a large part of it, is used for purposes other than comfort heating, e.g. process steam raising, thermal generation of electricity, engine use, etc., these volumes

Commercial heating (excluding apartments) - Concluded

have been shown in their appropriate classification in "Industrial/commercial". It was not intended that volumes sold to industry be split between comfort heating and process fuel if these volumes were not conveniently available.

Railways

Includes all sales to railways operating in Canada, whether Canadian or foreign owned, for all purposes except for use in ships, ferries, etc. Area distribution is based on the province where the change in title occurred.

Governments, police forces and armed forces

Includes all sales to all federal and provincial government departments, the Canadian Armed Forces, and to all police forces.

It does not include sales to

- (a) Foreign governments for military use;
- (b) County, township or other municipal governments (such sales are included in "Commercial heating" or "Commercial transportation").
- (c) Federal and provincial crown corporations such as Polymer and the Hydro Electric Power Commission of Ontario; (such sales are treated as though they were made to private concerns and are categorized similarly to firms performing similar functions).

Marine (excluding Navy)

Includes all sales delivered in Canada to federal and provincial governments for marine use and to Canadian and foreign ships, ferries, etc., except those to the Canadian Armed Forces.

Industrial/commercial (excluding commercial heating)

Sales are categorized in three groups according to the DBS Standard Industrial Classification as follows:

SIC class

- |                               |         |                                     |
|-------------------------------|---------|-------------------------------------|
| (a) Forest products .....     | 031     | Logging                             |
|                               | 251     | Sawmills                            |
|                               | 252     | Veneer and plywood mills            |
|                               | 254     | Sash and door and planing mills     |
|                               | 271     | Pulp and paper mills                |
| (b) Mining and smelting ..... | 051-059 | Metal mines                         |
|                               | 061     | Coal mines                          |
|                               | 071-079 | Non-metal mines except coal mines   |
|                               | 291     | Iron and steel mills                |
|                               | 295     | Smelting and refining               |
| (c) Other Industry .....      |         | All industries not specified above. |

DIESEL FUEL OIL ONLY

Commercial transportation

Includes all sales to or for trucking firms whether privately operated or for hire; to public and private bus lines, both urban and inter-urban; to taxi fleets; and to county, township and other municipal services such as road maintenance and garbage collection.

Retail pump outlets

Includes all sales to service stations, irrespective of the type of ownership or operation, and to jobbers whose product is known to be resold through this type of outlet. It does not include retail sales of farm trade agents and commission agents who market diesel fuel through a bulk station.

E. Asphalt

Paving - Includes all sales for paving purposes regardless of whether they are to governments, construction companies or others.

Manufacturing - Includes sales for use in water-proofing, protective coverings and enamels.

Other - Includes all sales not considered to belong in items 1 or 2.

F. Lubricating Oils and Greases

Retail pump outlets

Includes all sales to service stations, irrespective of the type of ownership or operation, and to jobbers whose product is known to be resold through this type of outlet, e.g., private branches, Canadian Tire, GEM stores etc. It does not include retail sales of farm trade agents and commission agents who market through a bulk station.

Aviation

Includes all sales delivered in Canada for use in Canadian and foreign aircraft except those to the Canadian Armed Forces.

Railways

Includes all sales to railways operating in Canada, whether Canadian or foreign owned, for all purposes except for use in ships, ferries, etc. Area distribution is based on the province where the change in title occurred.

Marine (excluding Navy)

Includes all sales delivered in Canada to federal and provincial governments for marine use and to Canadian and foreign ships, ferries, etc., except those to the Canadian Armed Forces.

F. Lubricating Oils and Greases - Concluded

Farms

Includes only those sales where deliveries are made directly to farms and farm trade agents and commissions agents. No attempt was made to estimate the sales made to farmers by retail pump outlets.

Other

Includes all sales other than those entered in the previous five categories. Sales to the Canadian Armed Forces have also been reported in this section.

TABLE 1. Net Sales of Liquefied Petroleum Gases, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products ....	-	556,049	1,223,767	2,053,830	352,710	683,340	3,217,673	708,914	13,691	8,809,974
Revisions, adjustments, losses and inventory changes .....	141	5,778	- 7,151	- 30,743	- 30,833	- 31,409	- 1,744,851(1)	61,938	-	- 1,777,130
Inter-provincial transfers .....	11,366	6,399	22,723	- 137,251	264,448	- 167,685	-	-	-	-
Total available for distri- bution .....	11,507	568,226	1,239,339	1,885,836	586,325	484,246	1,472,822	770,852	13,691	7,032,844
<u>Disposition</u>										
Residential, commercial and farm	11,507	442,640	936,712	1,453,923	232,831	439,379	1,448,759	521,222	13,691	5,500,664
Industrial .....	-	125,586	267,116	363,469	53,728	44,867	-	112,005	-	966,771
Gas utilities .....	-	-	35,511	68,444	299,766	-	24,063	137,625	-	565,409
Total sales .....	11,507	568,226	1,239,339	1,885,836	586,325	484,246	1,472,822	770,852	13,691	7,032,844

(1) Includes sales to miscible flood, revised sales for petrochemical use, deliveries to crude stream.

TABLE 2. Net Sales of Naphtha Specialties, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products ....	13,042	36,284	393,033	1,138,741	37,203	25,069	51,525	126,533	2,004	1,823,434
Revisions, adjustments, losses and inventory changes .....	-	-	- 14,398	- 1,412	- 14	-	-	- 1,847	-	- 17,671
Inter-provincial transfers .....	-	-	-	-	-	-	-	-	-	-
Total available for distri- bution .....	13,042	36,284	378,635	1,137,329	37,189	25,069	51,525	124,686	2,004	1,805,763
<u>Disposition</u>										
Paint and varnish manufacture	1,126	1,627	182,292	639,645	8,454	1,040	1,614	35,900	-	871,698
Dry cleaning .....	2,144	3,880	53,157	138,022	3,224	2,732	4,968	17,005	-	225,132
Other .....	9,772	30,777	143,186	359,662	25,511	21,297	44,943	71,781	2,004	708,933
Total sales .....	13,042	36,284	378,635	1,137,329	37,189	25,069	51,525	124,686	2,004	1,805,763



TABLE 3. Net Sales of Aviation Gasoline, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products ....	164,915	337,985	254,862	301,305	172,894	44,919	194,899	299,629	118,420	1,889,828
Revisions, adjustments, losses and inventory changes .....	-	- 144	- 54	12	-	-	-	- 6,504	-	- 6,690
Inter-provincial transfers .....	-	-	-	-	-	-	-	-	-	-
Total available for distri- bution .....	164,915	337,841	254,808	301,317	172,894	44,919	194,899	293,125	118,420	1,883,138
<u>Disposition</u>										
Canadian airlines .....	27,079	9,515	68,840	47,173	3,486	898	15,783	155,493	8,345	336,612
Foreign airlines .....	104,562	3,571	30,375	8,196	914	57	838	388	443	149,344
Foreign governments .....	2,257	114	171	-	-	-	3,008	114	1,592	7,256
Federal and provincial govern- ments, armed forces and police forces .....	14,057	304,615	80,953	59,827	94,600	13,457	62,954	58,946	47,198	736,607
General flying .....	9,545	14,371	40,520	92,406	34,914	19,275	44,778	50,070	25,281	331,160
Other .....	7,415	5,655	33,949	93,715	38,980	11,232	67,538	28,114	35,561	322,159
Total sales .....	164,915	337,841	254,808	301,317	172,894	44,919	194,899	293,125	118,420	1,883,138

TABLE 4. Net Sales of Motor Gasoline, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products ....	1,434,048	7,466,791	27,809,893	45,267,288	6,435,838	8,644,810	12,559,631	11,491,545	207,048	121,316,892
Revisions, adjustments, losses and inventory changes .....	-	-	- 2,276	- 18,094	-	- 9,270	- 309	-	-	- 29,949
Inter-provincial transfers .....	-	-	-	-	-	-	-	-	-	-
Total available for distri- bution .....	1,434,048	7,466,791	27,807,617	45,249,194	6,435,838	8,635,540	12,559,322	11,491,545	207,048	121,286,943
<u>Disposition</u>										
Retail pump outlets .....	980,296	5,733,201	22,646,739	34,428,262	3,919,161	4,262,764	6,653,682	8,321,174	62,426	87,007,705
Farms .....	13,135	683,407	1,126,111	3,737,277	1,848,862	3,763,852	4,131,410	693,002	64,622	16,061,678
Federal and provincial govern- ments, armed forces and police forces .....	50,559	121,859	218,441	413,690	107,259	58,312	166,971	184,856	4,193	1,326,140
Commercial transportation .....	18,146	188,480	1,660,208	3,111,986	302,128	160,688	485,868	637,474	7,648	6,572,626
Other .....	371,912	739,844	2,156,118	3,557,979	258,428	389,924	1,121,391	1,655,039	68,159	10,318,794
Total sales .....	1,434,048	7,466,791	27,807,617	45,249,194	6,435,838	8,635,540	12,559,322	11,491,545	207,048	121,286,943

TABLE 5. Net Sales of Aviation Turbo Fuel, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products ....	343,250	630,725	2,473,392	1,905,299	911,146	73,195	728,411	592,094	814	7,658,326
Revisions, adjustments, losses and inventory changes .....	-	- 255	- 1,244	209	-	-	- 10	- 44	-	- 1,344
Inter-provincial transfers .....	-	-	-	-	-	-	-	-	-	-
Total available for distri- bution .....	343,250	630,470	2,472,148	1,905,508	911,146	73,195	728,401	592,050	814	7,656,982
<u>Disposition</u>										
Canadian airlines .....	94,457	268,944	655,248	1,357,081	412,886	61,459	461,321	463,305	814	3,775,515
Foreign airlines .....	131,327	11,600	1,136,272	24,800	80,257	-	139	4,112	-	1,388,507
Foreign governments .....	76,400	200	114	944	-	-	22	57	-	77,737
Federal and provincial govern- ments, armed forces and police forces .....	27,400	341,037	304,750	409,745	375,086	7,556	254,307	121,587	-	1,841,468
General flying .....	11,943	5,428	281,171	75,772	6,086	1,571	11,029	771	-	393,771
Other .....	1,723	3,261	94,593	37,166	36,831	2,609	1,583	2,218	-	179,984
Total sales .....	343,250	630,470	2,472,148	1,905,508	911,146	73,195	728,401	592,050	814	7,656,982

TABLE 6. Net Sales of Kerosene, Stove Oil and Tractor Fuel, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products ....	1,021,102	2,735,681	6,209,621	3,585,353	769,967	1,251,096	466,676	1,837,126	99,655	17,976,277
Revisions, adjustments, losses and inventory changes .....	-	- 575	- 85,964	- 1,206	-	-	- 11,758	- 3,197	34,977	- 67,723
Inter-provincial transfers .....	-	-	21	- 21	-	283	- 787	- 53,951	54,455	-
Total available for distri- bution .....	1,021,102	2,735,106	6,123,678	3,584,126	769,967	1,251,379	454,131	1,779,978	189,087	17,908,554
<u>Disposition</u>										
Residential, apartment and farm Commercial heating .....	848,827	2,606,523	5,447,500	3,181,112	672,694	1,091,676	352,605	1,378,937	34,886	15,614,760 ✓
Railways .....	86,050	55,308	158,393	133,606	19,762	34,664	30,077	57,592	21,345	596,797 ✓
Governments, police forces and armed forces .....	1,935	14,394	112,798	54,214	4,850	10,962	8,722	19,462	784	228,121
Marine (excluding Navy) .....	23,704	10,904	35,019	47,102	16,004	11,679	7,323	27,096	69,717	248,548
Industrial/commercial (excluding commercial heating):	943	678	3,264	1,776	-	-	-	14,934	-	21,595
Forest products .....	8,363	2,213	30,634	32,190	1,922	8,332	2,271	73,227	267	159,419
Mining and smelting .....	941	433	14,310	14,197	3,227	3,484	6,358	61,093	10,472	114,515
Other .....	43,975	42,785	130,988	100,190	49,312	88,872	46,321	71,708	51,377	625,528
Total industrial .....	53,279	45,431	175,932	146,577	54,461	100,688	54,950	206,028	62,116	899,462
Sales other .....	6,364	1,868	190,772	19,739	2,196	1,710	454	75,929	239	299,271
Total sales .....	1,021,102	2,735,106	6,123,678	3,584,126	769,967	1,251,379	454,131	1,779,978	189,087	17,908,554



TABLE 7. Net Sales of Diesel Fuel Oil, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products ....	1,497,325	2,863,345	7,059,748	6,383,849	2,390,888	3,070,088	4,738,790	5,054,790	305,321	33,364,144
Revisions, adjustments, losses and inventory changes .....	-	- 54,191	- 13,301	1,084	-	-	- 2,792	- 15	-	- 69,215
Inter-provincial transfers .....	-	-	22,317	- 22,317	-	225	- 676	451	-	-
Total available for distri- bution .....	1,497,325	2,809,154	7,068,764	6,362,616	2,390,888	3,070,313	4,735,322	5,055,226	305,321	33,294,929
<u>Disposition</u>										
Residential, apartment and farm	15,013	106,557	428,555	518,184	553,452	1,431,263	850,424	209,864	321	4,113,633
Commercial heating .....	-	7,282	46,034	75,310	63,231	6,910	11,136	25,351	28	235,282
Railways:										
(a) Locomotive running fuel ...	230,389	854,524	2,544,076	2,873,969	791,564	834,860	1,815,459	847,186	-	10,792,027
(b) Other .....	-	1,714	69,212	190,404	51,914	26,428	92,971	29,509	-	462,152
Totals .....	230,389	856,238	2,613,288	3,064,373	843,478	861,288	1,908,430	876,695	-	11,254,179
Governments, police forces and armed forces .....	138,631	193,728	215,232	233,853	380,533	54,872	107,541	273,406	70,817	1,668,613
Marine (excluding Navy) .....	589,738	1,171,367	1,316,499	178,448	4,285	-	3,265	1,022,461	-	4,286,063
Industrial/commercial (excluding commercial heating):										
(a) Forest products .....	26,103	26,670	194,910	199,416	4,869	23,017	68,666	1,056,802	685	1,601,138
(b) Mining and smelting .....	23,305	49,521	420,264	266,904	15,077	82,956	308,911	151,057	65,813	1,383,808
(c) Other .....	458,859	296,435	825,619	713,461	305,251	355,981	1,025,491	1,023,003	151,254	5,155,354
Total industrial .....	508,267	372,626	1,440,793	1,179,781	325,197	461,954	1,403,068	2,230,862	217,752	8,140,300
Commercial transportation .....	9,875	39,657	834,080	914,363	175,788	131,465	276,680	281,804	8,047	2,671,759
Retail pump outlets .....	5,412	15,757	95,111	188,847	42,954	120,109	164,587	131,406	8,356	772,539
Sales other .....	-	45,942	79,172	9,457	1,970	2,452	10,191	3,377	-	152,561
Total sales .....	1,497,325	2,809,154	7,068,764	6,362,616	2,390,888	3,070,313	4,735,322	5,055,226	305,321	33,294,929

TABLE 8. Net Sales of Light Fuel Oil, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Nat sales published in 1964										
Refined Petroleum Products ....	1,495,535	6,504,195	24,027,616	31,527,404	2,327,164	1,658,951	1,000,079	4,757,959	302,093	73,600,996
Revisions, adjustments, losses and inventory changes .....	-	- 2,961	- 253,311	- 95,908	-	-	- 5,788	- 111	3,576	- 354,503
Inter-provincial transfers .....	-	-	438,565	- 438,565	-	31	- 126	95	-	-
Total available for distri- bution .....	1,495,535	6,501,234	24,212,870	30,992,931	2,327,164	1,658,982	994,165	4,757,943	305,669	73,246,493
<u>Disposition</u>										
Residential, apartment and farm	1,061,485	5,775,139	19,935,788	25,973,761	1,947,936	1,296,498	664,591	3,980,061	71,868	60,707,127
Commercial heating .....	204,924	345,508	2,419,419	2,208,134	161,459	115,404	62,736	288,619	41,777	5,847,980
Railways .....	2,497	15,955	45,840	143,233	24,297	37,620	19,341	10,688	-	299,471
Governments, police forces and armed forces .....	122,687	156,254	230,405	513,773	53,783	34,168	49,552	136,003	103,939	1,400,564
Marine (excluding Navy) .....	-	14,822	59,612	4,908	-	-	-	2,978	62	82,382
Industrial/commercial (excluding commercial heating):										
(a) Forest products .....	6,501	16,303	59,866	94,346	3,298	2,159	12,552	85,909	-	280,934
(b) Mining and smelting .....	14,638	4,585	420,942	330,415	25,972	80,544	79,156	92,476	27,309	1,076,037
(c) Other .....	77,865	158,477	721,417	973,413	108,323	91,672	104,830	158,495	60,714	2,455,206
Total industrial .....	99,004	179,365	1,202,225	1,398,174	137,593	174,375	196,538	336,880	88,023	3,812,177
Sales other .....	4,938	14,191	319,581	750,948	2,096	917	1,407	2,714	-	1,096,792
Total sales .....	1,495,535	6,501,234	24,212,870	30,992,931	2,327,164	1,658,982	994,165	4,757,943	305,669	73,246,493

TABLE 9. Net Sales of Heavy Fuel Oil, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products ....	2,367,190 <sup>r</sup>	9,309,570	28,485,495	19,486,898	1,282,296	868,540	417,316	7,250,412	104,704	69,572,421
Revisions, adjustments, losses and inventory changes .....	-	- 1,364	- 235,176	- 325,644	-	-	-	-	-	- 562,184
Inter-provincial transfers .....	-	-	- 266,042	266,042	-	-	-	-	-	-
Total available for distri- bution .....	2,367,190	9,308,206	27,984,277	19,427,296	1,282,296	868,540	417,316	7,250,412	104,704	69,010,237
<u>Disposition</u>										
Residential, apartment and farm	-	4,580	3,456,084	1,467,125	10,222	30,918	-	259,176	-	5,228,105
Commercial heating .....	75,183	1,122,662	6,457,694	5,959,035	399,457	137,536	141,226	557,079	1,457	14,851,329
Railways .....	125,652	142,093	816,120	411,725	3,199	34,016	85,274	277,004	-	1,895,083
Governments, police forces and armed forces .....	236,981	597,353	535,087	336,545	70,342	38,356	9,918	413,926	-	2,238,508
Marine (excluding Navy) .....	215,885	2,355,410	4,632,498	1,473,484	2,120	14,352	10,532	739,179	-	9,443,460
Industrial/commercial (excluding commercial heating):										
(a) Forest products .....	1,406,335	1,331,174	3,382,322	697,580	11,276	7,541	10,532	3,665,079	-	10,511,839
(b) Mining and smelting .....	65,985	1,584,551	2,408,866	5,937,161	134,943	-	50,211	67,204	43,572	10,292,493
(c) Other .....	241,169	1,647,269	5,211,595	2,879,584	650,358	605,821	109,623	1,271,765	59,675	12,676,859
Total industrial .....	1,713,489	4,562,994	11,002,783	9,514,325	796,577	613,362	170,366	5,004,048	103,247	33,481,191
Sales other .....	-	523,114	1,084,011	265,057	379	-	-	-	-	1,872,561
Total sales .....	2,367,190	9,308,206	27,984,277	19,427,296	1,282,296	868,540	417,316	7,250,412	104,704	69,010,237

<sup>r</sup> Revised figure.

TABLE 10. Net Sales of Asphalt, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products .....	83,537	830,632	3,205,767(1)	3,019,271	444,596	828,923	1,387,605	1,053,940	33,658	10,887,929
Revisions, adjustments, losses and inventory changes .....	-	-	-	-	-	-	- 1,165	-	-	- 1,165
Inter-provincial transfers .....	-	-	-	-	-	-	-	-	-	-
Total available for distribution ..	83,537	830,632	3,205,767	3,019,271	444,596	828,923	1,386,440	1,053,940	33,658	10,886,764
<u>Disposition</u>										
Paving .....	39,107	704,663	2,132,359	2,174,079	322,460	791,257	1,119,858	884,242	33,658	8,201,683
Manufacturing .....	2,881	47,746	920,239	756,463	122,100	20,479	242,316	169,698	-	2,281,922
Other .....	41,549	78,223	153,169	88,729	36	17,187	24,266	-	-	403,159
Total sales .....	83,537	830,632	3,205,767	3,019,271	444,596	828,923	1,386,440	1,053,940	33,658	10,886,764

(1) The 1964 Refined Petroleum Products publication included a Net Sale of 47,736 bbls. which was actually coke.

TABLE 11. Net Sales of Lubricating Oils and Greases, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Net sales published in 1964										
Refined Petroleum Products .....	73,204	237,085	800,540	1,570,680	196,776	269,052	422,996	392,679	10,681	3,973,693
Revisions, adjustments, losses and inventory changes .....	-	- 754	- 11,372	- 61,274	- 1,628	- 1,943	- 1,977	- 2,073	-	- 81,021
Inter-provincial transfers .....	9,684	5,466	48,735	- 84,424	1,928	2,977	9,060	6,574	-	-
Total available for distribution ..	82,888	241,797	837,903	1,424,982	197,076	270,086	430,079	397,180	10,681	3,892,672
<u>Disposition of oils</u>										
Retail pump outlets .....	13,546	88,944	292,449	416,011	51,530	66,816	79,261	94,882	648	1,104,087
Aviation .....	1,148	1,115	5,371	4,680	1,696	441	2,527	3,043	719	20,740
Railways .....	9,993	10,462	61,672	41,111	38,079	1,579	31,463	20,900	-	215,259
Governments, police and armed forces	2,443	20,250	8,691	110,645	6,309	2,508	7,877	13,289	590	172,602
Marine (excluding Navy) .....	5,558	11,759	31,426	7,018	18	-	157	32,201	665	88,802
Farms .....	226	9,676	33,651	62,721	39,998	105,945	100,678	21,193	225	374,313
Other - (a) Motor crankcase oils ....	32,266	36,596	162,350	238,814	16,922	33,463	53,109	106,484	855	680,859
(b) Other lubricating oils ..	13,493	50,607	197,474	473,291	28,887	45,162	138,636	89,089	6,783	1,043,422
Totals .....	78,673	229,409	793,084	1,354,291	183,439	255,914	413,708	381,081	10,485	3,700,084
<u>Disposition of greases</u>										
Retail pump outlets .....	760	5,388	14,059	21,420	2,265	2,300	2,430	3,170	6	51,798
Aviation .....	9	6	65	33	10	1	6	17	1	148
Railways .....	789	741	2,307	1,454	1,452	57	1,241	369	-	8,410
Governments, police and armed forces	196	574	393	939	223	83	678	547	1	3,634
Marine (excluding Navy) .....	45	83	449	892	-	-	167	484	14	2,134
Farms .....	4	508	1,879	5,091	7,236	9,018	6,778	898	3	31,415
Other .....	2,412	5,088	25,667	40,862	2,451	2,713	5,071	10,614	171	95,049
Totals .....	4,215	12,388	44,819	70,691	13,637	14,172	16,371	16,099	196	192,588
Total all sales .....	82,888	241,797	837,903	1,424,982	197,076	270,086	430,079	397,180	10,681	3,892,672



TABLE 12. Total Net Sales Published in Refined Petroleum Products, 1964

	Newfound- land	Maritimes	Quebec	Ontario	Manitoba	Saskat- chewan	Alberta	British Columbia	Northwest Territories and Yukon	Canada
barrels of 35 Canadian gallons										
Liquefied petroleum gases .....	-	556,049	1,223,767	2,053,830	352,710	683,340	3,217,673	708,914	13,691	8,809,974
Petro-chemical feed stocks .....	-	16,749	3,210,640	5,960,320	138	-	1,045,283	104,426	-	10,337,556
Naphtha specialties .....	13,042	36,284	393,033	1,138,741	37,203	25,069	51,525	126,533	2,004	1,823,434
Aviation gasoline .....	164,915	337,985	254,862	301,305	172,894	44,919	194,899	299,629	118,420	1,889,828
Motor-gasoline .....	1,434,048	7,466,791	27,809,893	45,267,288	6,435,838	8,644,810	12,559,631	11,491,545	207,048	121,316,892
Aviation turbo fuel .....	343,250	630,725	2,473,392	1,905,299	911,146	73,195	728,411	592,094	814	7,658,326
Kerosene, stove oil and tractor fuel .....	1,021,102	2,735,681	6,209,621	3,585,353	769,967	1,251,096	466,676	1,837,126	99,655	17,976,277
Diesel fuel oil .....	1,497,325	2,863,345	7,059,748	6,383,849	2,390,888	3,070,088	4,738,790	5,054,790	305,321	33,364,144
Light fuel oil .....	1,495,535	6,504,195	24,027,616	31,527,404	2,327,164	1,658,951	1,000,079	4,757,959	302,093	73,600,996
Heavy fuel oil .....	2,489,385	9,309,570	28,485,495	19,486,898	1,282,296	868,540	417,316	7,250,412	104,704	69,694,616
Asphalt .....	83,537	830,632	3,253,503	3,019,271	444,596	828,923	1,387,605	1,053,940	33,658	10,935,665
Coke .....	-	-	1,631,437	881,757	-	(1)	396,363	(1)	-	2,909,557
Lubricating oil and greases .....	73,204	237,085	800,540	1,570,680	196,776	269,052	422,996	392,679	10,681	3,973,693
Still gas .....	-	-	42,584	-	-	-	-	-	-	42,584
Other products .....	346	2,959	79,578	318,617	7,416	65,550	35,844	(1)	-	510,310
Total, all products .....	8,615,689	31,528,050	106,955,709	123,400,612	15,329,032	17,483,763	26,235,779	34,097,129	1,198,089	364,843,852

(1) Included with Alberta.