

Catalogue No. 57-002  
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### CONTENTS

	Page
1. Inventory of Prime Mover and Electric Generating Equipment as at December 31, 1969 .....	1
2. Preliminary Data "Refined Petroleum Products" October 1970 .....	2
3. Oil Pipe Line Transport, October 1970, Catalogue No. 55-001 .....	6

#### 1. Inventory of Prime-Mover and Electric Generating Equipment as at December 31, 1969

Data to be released in Catalogue No. 57-504 in some 3 months time shows that total installed generating capacity in Canada as at December 31, 1969 increased 64.3% to 39,591,841 K.W. from the 1961 figure of 24,091,368 K.W. This increase is equal to a compound growth rate of 6.4% per annum. The table below gives further comparisons between provinces, type of generator and type of ownership.

The increasing importance of steam plants is clearly shown, and though this trend will continue, especially with the development of nuclear power, the next few years will see the completion of several large hydro projects.

The large decrease in private utility ownership was due mainly to the acquisition of several large private utilities by provincially owned utilities in the earlier part of the period. Among the larger hydro-electric plants in Canada are:-

Quebec Hydro Electric Commission Beauharnois 1 .....	1,574,260 K.W.
" " " " Bersimis No. 1 .....	912,000 K.W.
" " " " Manic No. 2 .....	1,015,200 K.W.
Hydro Electric Power Commission of Ontario Sir Adam Beck .....	1,627,500 K.W.
British Columbia Hydro and Power Authority Gordon Shrum ..	1,135,000 K.W.

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The 3 largest steam plants are the Lakeview (2,400,000 K.W.), Lambton (1,000,000 K.W.) and Richard L. Hearn (1,200,000 K.W.) plants of Ontario Hydro.

	Installed Generator Capacity				
	Percentage of total		K.W.		Percentage increase 1961-69
	1961	1969	1961	1969	
<u>Type</u>					
Hydro .....	78.9	68.3	19,018,807	27,031,113	42.1
Steam .....	17.9	28.4	4,310,475	11,244,305	160.9
Internal combustion .....	1.6	1.1	378,509	451,956	19.4
Gas Turbine .....	1.6	2.2	383,577	864,467	125.4
<u>Province</u>					
Newfoundland .....	1.3	2.4	322,237	946,686	193.8
Prince Edward Island .....	.2	.2	37,396	77,391	106.9
Nova Scotia .....	2.2	2.4	520,248	931,431	79.0
New Brunswick .....	1.8	3.0	441,700	1,202,230	172.2
Québec .....	37.9	33.4	9,138,934	13,237,000	44.8
Ontario .....	32.2	31.5	7,760,761	12,476,926	60.8
Manitoba .....	4.5	4.0	1,087,959	1,585,720	45.8
Saskatchewan .....	3.3	3.5	785,287	1,403,010	78.7
Alberta .....	3.9	5.6	931,529	2,199,039	136.1
British Columbia .....	12.5	13.7	3,000,011	5,413,792	80.5
Northwest Territories .....	.1	.2	32,250	72,126	123.6
Yukon .....	.1	.1	33,056	46,490	40.6
<u>Ownership</u>					
Private .....	24.6	10.1	5,927,079	3,997,803	- 32.6
Public .....	56.3	76.6	13,565,063	30,326,815	123.6
Industry .....	19.1	13.3	4,599,226	5,267,223	14.5
Canada Total .....	...	...	24,091,368	39,591,841	64.3

## 2. Preliminary Data-Refined Petroleum Products

Production of refined petroleum products increased 16.0% in October to 40,890,200 barrels from 35,250,964 in the same month last year, according to an advance release of data that will be contained in the October issue of the DBS report "Refined Petroleum Products."

Receipts of crude oil increased 12.0% in October to 38,347,555 barrels from 34,263,062 a year earlier. There was 2.1% less domestic crude at 18,839,719 barrels versus 19,248,023 and, 30% more imported crude at 19,507,836 barrels versus 15,015,039. Domestic disappearance of finished petroleum products decreased 0.6% to 43,305,340 barrels from 43,580,608 in the same month last year.

## NET SALES in Canada of Selected Petroleum Products, October 1970

	Motor gasoline	Aviation turbo fuel	Kerosene stove oil	Fuel oil			Total all products	Total all products	
				Diesel	Light	Heavy		Cumulative 1970 <sup>P</sup>	Cumulative 1969
	barrels of 35 Canadian gallons								
Newfoundland .....	211,115	62,002	100,735	255,575	177,938	397,521	1,270,484	12,710,355	10,860,281
Maritimes .....	1,173,021	67,647	237,529	397,587	672,306	1,603,020	4,236,396	39,978,618	34,693,854
Quebec .....	3,439,481	399,760	533,905	787,487	2,504,397	3,211,572	12,543,124	129,463,946	122,583,961
Ontario .....	5,388,667	380,400	286,343	1,015,372	2,335,454	2,566,997	13,918,549	131,813,575	123,838,248
Manitoba .....	738,935	91,778	96,022	290,556	132,240	85,475	1,560,092	14,094,867	13,820,123
Saskatchewan .....	897,984	31,716	117,384	359,652	120,092	35,348	1,797,400	16,167,407	15,970,787
Alberta .....	1,488,635	141,226	47,010	532,356	76,480	30,715	2,614,857	24,598,407	23,555,940
British Columbia .....	1,377,913	156,337	136,483	704,776	444,606	822,285	3,953,564	37,356,832	38,735,792
North West Territories and Yukon ..	23,838	22,255	5,929	43,106	19,921	-	125,050	1,961,470	1,580,584
Canada totals .....	14,739,589	1,353,121	1,561,340	4,386,467	6,483,434	8,752,933	42,019,516	-	-
Canada cumulative 1970 <sup>P</sup> .....	138,859,022	14,088,621	13,916,696	39,541,831	75,136,223	86,563,311	-	408,145,477	-
Canada cumulative 1969 .....	132,666,678	12,593,243	14,125,488	38,030,553	70,367,067	81,505,856	-	-	385,639,570

<sup>P</sup> All data contained herein, except for 1969, are preliminary.



## Refinery Production in Canada of Selected Petroleum Products, October 1970

	Motor gasoline	Aviation turbo fuel	Kerosene stove oil	Fuel oil			Total all products	Total all products	
				Diesel	Light	Heavy		Cumulative 1970P	Cumulative 1969
barrels of 35 Canadian gallons									
Newfoundland .....	(1)	(1)	(1)	-	(1)	(1)	(1)	(1)	(1)
Maritimes .....	1,095,507	121,472	216,927	(2)	723,550	1,067,513	4,194,897	40,779,085	38,377,251
Quebec .....	4,070,639	485,859	559,434	1,326,299	2,742,170	3,148,059	13,585,122	128,796,428	117,204,307
Ontario .....	4,618,043	297,346	435,083	1,360,828	2,009,636	2,161,199	12,096,001	111,507,459	102,899,378
Manitoba .....	681,703	111,535	1,288	278,676	153,251	132,083	1,476,096	12,719,435	12,172,385
Saskatchewan .....	939,685	32,166	119,781	309,632	200,554	191,289	2,097,425	19,213,685	19,268,442
Alberta .....	1,700,701	174,146	32,544	806,585	253,133	129,886	3,722,442	33,913,142	33,435,102
British Columbia .....	1,416,003	122,039	103,735	865,463	111,464	428,701	3,685,576	35,984,367	32,202,125
North West Territories and Yukon ..	- 350	- 284	-	14,975	22	213	31,641	760,624	652,489
Canada totals .....	14,521,931	1,344,279	1,468,792	4,962,458	6,193,780	7,258,943	40,890,200	-	-
Canada cumulative 1970P .....	134,420,986	12,255,142	16,730,346	45,921,251	59,186,855	68,095,885	-	383,674,228	-
Canada cumulative 1969 .....	127,639,759	9,275,244	15,967,820	41,770,142	55,158,585	62,792,005	-	-	356,211,479

(1) Included with Maritimes.

(2) Included with Quebec.

P All data contained herein, except for 1969 cumulative, are preliminary.

IMPORTS into Canada of Selected Petroleum Products, October 1970P

	Motor gasoline	Kerosene stove oil	Fuel oil			Total all products
			Diesel	Light	Heavy	
	barrels of 35 Canadian gallons					
Maritimes .....	213,430	19,323	-	257,171	844,381	1,326,855
Quebec .....	262,470	189,844	150,281	1,039,720	2,868,518	5,230,355
Ontario .....	-	-	-	200,195	326,356	801,191
All other .....	288	80	34	-	201,781	223,217
Canada total ...	476,188	209,247	150,315	1,497,086	4,241,036	7,581,618

EXPORTS\* of Selected Petroleum Products, October 1970P

	Motor gasoline	Kerosene stove oil	Fuel oil			Total all products
			Diesel	Light	Heavy	
	barrels of 35 Canadian gallons					
Maritimes .....	-	-	-	-	-	-
Quebec .....	-	-	32,947	157,584	84,889	318,453
Ontario .....	-	1,801	-	79,455	42,231	133,471
Saskatchewan .....	-	-	-	-	-	405
Alberta .....	-	-	-	-	4,235	4,235
British Columbia	54,266	-	58,039	21,818	-	152,106
Canada total ...	54,266	1,801	90,986	258,857	131,355	608,670

\* Only those made by respondents to the refined Petroleum Products survey.

P Preliminary figures.



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- 6 -

## 3. Oil Pipe Line Transport, October 1970, Cat. No. 55-001

Net receipts of crude oil, condensate, pentanes plus and refined petroleum products by Canadian oil pipe lines during October increased 15.2 per cent to 2,083,600 B/D from 1,809,300 B/D for the same period of the preceding year; domestic oils amounted to 1,645,600 B/D (up 14.5 per cent) and imported oils were 438,000 B/D (up 17.8 per cent).

Net deliveries of crude oil, condensate, pentanes plus and refined petroleum products during the month rose 18.8 per cent to 2,090,900 B/D from 1,759,400 B/D last year. Included in the month's deliveries were 1,457,100 B/D to domestic points (up 22.5 per cent) and 633,800 B/D for export (up 11.2 per cent).

For the ten-month period, net receipts of all commodities were 2,039,000 B/D, an increase of 12.2 per cent over the same period of 1969; deliveries rose 12.8 per cent, to 2,041,300 B/D. The imports by pipe line for the period increased to 424,800 B/D while the exports of the same commodities rose to 667,100 B/D, increases of 10.4 per cent and 20.2 per cent, respectively.

Total traffic for October amounted to 30,888 million barrel miles with an average length of haul of 476.5 miles.

Oil held by Canadian pipe line systems totalled 24,369,637 barrels by the end of October. Inventories of crude oil and equivalent held in Canada decreased by 538,980 barrels. Inventories of crude oil and equivalent held in the United States increased by 66,464 barrels, resulting in a decrease of 472,516 barrels in inventory in Canada and the United States.

## Oil Pipe Line Supply and Disposition

Supply and disposition	October 1970				Year to date 1970	
	Crude oil and equivalent	Refined petroleum products and L.P.G.'S.	Total volume	% change from October 1969	Total volume	% change from previous year
'000 barrels per day						
<u>Net receipts</u>						
Domestic .....	1,353.0	292.6	1,645.6	+ 14.5	1,614.2	+ 12.8
Imports .....	435.5	2.5	438.0	+ 17.8	424.8	+ 10.4
Total net receipts .....	1,788.5	295.1	2,083.6	+ 15.2	2,039.0	+ 12.2
<u>Net deliveries</u>						
Domestic .....	1,182.5	274.6	1,457.1	+ 22.5	1,374.2	+ 9.6
Exports .....	619.9	13.9	633.8	+ 11.2	667.1	+ 20.2
Total net deliveries .....	1,802.4	288.5	2,090.9	+ 18.8	2,041.3	+ 12.8
Inventory change (barrels) ..	- 472,516	238,190	- 234,326	-	- 794,078	-