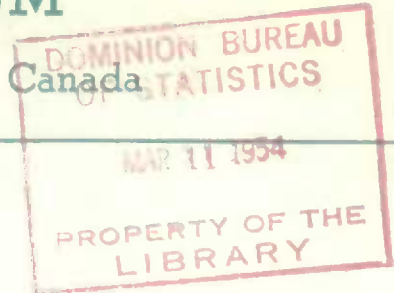


55 00 D.B.S. MEMORANDUM

Dominion Bureau of Statistics, Ottawa, Canada



PIPE LINES (OIL) STATISTICS

NOVEMBER, 1953

The movement of oil by pipe line in Canada increased by over 13,000 barrels per day during November, the daily net average rising to 430,614 barrels from 416,939 in October. This was an increase of almost 29 p.c. over the daily average of 334,642 barrels delivered in November, 1952.

Compared with 1952 all provinces except Quebec recorded increases in November. The net deliveries, by provinces, for the month were as follows (1952 data in brackets): British Columbia, 855,268 barrels (nil); Alberta, 1,381,406 (1,344,429); Saskatchewan, 1,196,563 (972,746); Manitoba, 3,517,659 (2,857,997); Ontario, 1,973,431 (545,473); and Quebec, 4,194,084 (4,338,618). Included in the Manitoba deliveries were 2,985,786 barrels (2,413,940) transferred to the Lakehead Pipe Line Company at Greta and 531,893 (424,057) delivered within the province.

Net receipts of oil for shipment by pipe line amounted to 13,296,952 barrels, an increase of 467,533 barrels over October and exceeding November 1952 by over 3 million barrels. Included in the net receipts were 6,895,983 barrels of Alberta crude oil, 45,964 of Alberta natural gasoline, 2,812 barrels of Saskatchewan crude, 103,650 barrels of Manitoba crude, 4,265,379 barrels of imported crude and 1,983,164 barrels of refinery products. Total net receipts for the eleven months, January - November, amounted to 136,886,394 barrels, an increase of 39,374,330 or 40 p.c. over receipts for the corresponding period of 1952.

Net deliveries for the year to date amounted to 132,904,219 barrels, as against 96,946,747 in 1952, an increase of 37 p.c. Deliveries in the several provinces for the eleven-month period were as follows (1952 data in brackets): British Columbia, 922,332 barrels (nil(1)); Alberta, 15,492,233 (14,440,139); Saskatchewan, 13,009,740 (10,026,449); Manitoba, 32,934,150 (26,526,122); Ontario, 22,197,045 (1,786,123(2)); and Quebec, 48,348,719 (45,167,914). Manitoba totals included 27,314,558 barrels (19,987,050) transferred to the Lakehead Pipe Line Company at the United States border destined principally to refineries at Sarnia, Ontario.

Gathering systems handled an average of 182,260 barrels per day, an increase of 10.7 p.c. over the October average of 164,548 and 25 p.c. over November last year. Trunk line deliveries were also up, increasing from an average of 476,776 barrels per day in October to 505,776 in the month under review.

Total barrel miles for trunk lines rose to a new high of 4,711 million from 4,559 in October. This was almost 49 p.c. above the 3,166 million recorded in November, 1952. The average length of haul also showed improvement at 310.5 miles for November compared with an average of 308.4 miles for October.

Employees and earnings moved upward in November. The average number of employees at 1,087 was almost 3 p.c. above the October average and 21 p.c. over last year. Salaries and wages amounted to \$425,426, an increase of 10 p.c. over October and 28 p.c. above November, 1952.

The Interprovincial Pipe Line Company delivered a total of 5,065,474 barrels during the month, or an average of 168,849 barrels per day. This was a slight increase over their daily average of 167,932 barrels in October. Their average haul, however, dropped from 651 miles in October to 636 miles in November and total barrel miles fell from 3,391 million in October to 3,224. Deliveries from Imperial's gathering system rose to a daily average of 142,714 barrels from 131,600 in October. The Montreal Pipe Line Company showed little change from last month with an average delivery of 139,802 barrels per day as against 139,037 in October.

Revenue and employee data for the Sarnia Products Line Division of Imperial Oil, Ltd. are not available for this report as the pipe line operation forms only a part of the company's activities and is not separable. For the same reason revenue and employee data of the pipe line operations of Anglo Canadian Oils, Ltd. in Manitoba and employee data of the Amurex Oil Development Company in Alberta have been omitted. Data on the activities of these companies have been included in all other applicable sections of the report.

- (1) The Trans Mountain Oil Pipe Line Company made its first deliveries to British Columbia terminals in October, 1953.
- (2) Operations of the Sarnia Products Pipe Line Division of Imperial Oil, Ltd. commenced in March of 1952. The Trans-Northern Pipe Line Company made its first deliveries of refinery products to Ontario terminals in November, 1952. This line runs from Montreal to Hamilton with a spur serving Ottawa.

Price per year \$1.00

Prepared in the Public Finance and Transportation Division

Net totals given in Table 6 exceed those in Tables 1 and 2 because of duplications resulting from intercompany transfers of oil. These differences are accounted for in the following table:

Total Received into Systems - all companies -	Barrels
during eleven months of 1953, per table 6	198,825,402
Received into Trunk Lines from Other Canadian Pipe Lines	61,939,008
"Net Received" into Canadian Pipe Line Systems	136,886,394
"Net Received" into Trunk Systems per table 1	84,169,710
"Net Received" into Gathering Systems per table 2	52,715,484
Total Delivered out of Systems - all companies -	
during eleven months of 1953, per table 6	195,052,509
Delivered to other Canadian Pipe Lines	62,148,290
"Net Delivered" from Canadian Pipe Line Systems	132,904,219
"Net Delivered" from Trunk Systems per table 1	122,890,051
"Net Delivered" from Gathering Systems per table 2	10,014,168

The fluctuations which occur in Shippers and Carriers balances monthly are accounted for by each company in a "monthly oil balance" statement. The oil balances have been tabulated for all companies for the eleven month period covered by this report and are given herewith:

OIL BALANCE - ALL COMPANIES - NOVEMBER, 1953

	Barrels	Barrels
Total Shippers Balances - January 1, 1953	2,999,353	
Total Carriers Balances - January 1, 1953	173,577	3,172,930
Received into Gathering Systems January 1 to November 30, 1953	52,716,684	
Received into Trunk Systems January 1 to November 30, 1953	151,839,524	204,556,208
Total oil accountable for period		207,729,138
Delivered from Gathering Systems January 1 to November 30, 1953	52,586,446	
Delivered from Trunk Systems January 1 to November 30, 1953	148,196,869	200,783,315
Balance to be accounted for at November 30, 1953		6,945,823
Oil consumed as fuel and losses		351,386
Balance on hand - November 30, 1953		6,594,437
Total Shippers Balances - November 30, 1953	(1) 5,767,794	
Total Carriers Balances - November 30, 1953	826,643	

Two trunk lines cross the St. Clair River from the United States at Sarnia. The limited nature of their domestic operations and shortness of the lines are such that they have been considered for purposes of this report merely as connections to refinery facilities in Canada and are not included in Canadian oil pipe line statistics. A summary of oil delivered by the two pipe lines follows:

Month	The Buckeye Pipe Line Company Crude Petroleum	Sun Pipe Line Co. Fuel and Other Refined Oil
	Barrels	Barrels
November, 1952	(2) 260,256	35,862
October, 1953	(2) 413,346	43,713
November, 1953	443,052	164,503
Year to Date 1953 (11 months)	5,542,021	913,194

(1) Includes 1,265,782 barrels loaned to Trans Mountain Oil Pipe Line Company for Pipe Line fill.

(2) Deliveries of Transit and Storage Company whose pipe line properties have been sold to the Buckeye Pipe Line Company.

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	November 1953	October 1953	November 1952	YEAR TO DATE 1953
	Barrels	Barrels	Barrels	Barrels
1. Total Received * (2+3+4+5)	15,589,330	14,517,671	12,242,709	151,839,524
Less: Received from other Canadian pipe lines -				
2. Own gathering system	796,948	651,265	2,039,592	5,730,806
3. Other pipe lines - Gathering	2,245,396	2,246,399	2,077,802	22,284,105
4. Trunk	4,666,317	3,898,437	2,454,806	39,654,903
5. Net Received (6+7+8)	7,880,669	7,721,570	5,670,509	84,169,710
6. Originating on own trunk lines	3,506,828	3,426,045	1,428,888	35,228,785
7. Received from foreign pipe line connections	4,265,379	4,217,934	4,228,527	48,417,538
8. Received from other carriers (rail & truck)	106,462	77,591	13,094	523,387
9. Total Delivered * (10+11)	15,173,296	14,780,072	12,239,733	148,196,889
10. Less: Delivered to other Canadian trunk lines	3,055,915	2,838,607	2,445,308	25,306,818
11. Net Delivered (12+13+14)	12,117,381	11,941,465	9,794,425	122,890,051
12. Terminated on own trunk lines	9,131,615	8,808,199	7,380,485	95,575,318
13. Delivered to foreign pipe line connections	2,985,766	3,133,266	2,413,940	27,314,558
14. Delivered to other carriers (rail & truck)	-	-	-	175

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	November 1953	October 1953	November 1952	YEAR TO DATE 1953
	Barrels	Barrels	Barrels	Barrels
15. Total Received (16+17)	5,416,283	5,107,849	4,383,432	52,716,684
16. Less: Received from other gathering systems	-	-	-	-
17. Net Received (18+19)	5,416,283	5,107,849	4,383,432	52,716,684
18. Originating on own gathering system	5,298,508	5,000,786	4,170,671	51,428,552
19. Received from other carriers (rail & truck)	117,775	107,063	212,761	1,288,132
20. Total Delivered * (21+22+23)	5,467,809	5,100,945	4,359,972	52,586,446
Less: Delivered to other pipe lines -				
21. Own Trunk System	796,948	651,265	2,039,592	5,730,806
22. Other pipe lines	3,869,831	3,466,036	2,075,542	36,841,472
23. Net Delivered (24+25)	801,030	983,644	244,838	10,014,168
24. Terminated on gathering systems	786,922	839,727	387	8,452,801
25. Delivered to other carriers (rail & truck)	14,108	143,917	244,451	1,561,567

* Includes natural gasoline and products.

φ Includes natural gasoline.

* Includes duplications.

TABLE 3 OIL CARRIED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENT ORIGINATED

Province	November 1 9 5 3	October 1 9 5 3	November 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
Alberta (1) - Gathering	5,416,283	5,107,849	4,383,432	52,716,684
- Trunk	1,525,664	1,423,239	644,386	12,943,787
Saskatchewan - Trunk	2,812	-	-	2,812
Manitoba - Trunk	103,650	77,591	13,094	520,575
Ontario (2) - Trunk	1,052,707	1,137,324	508,014	11,400,194
Quebec (3) - Trunk	5,195,836	5,083,416	4,505,015	59,302,342
Net Received - Trunk	7,880,669	7,721,570	5,670,509	84,169,710
Total	13,296,952	12,829,419	10,053,941	136,886,394

TABLE 4 OIL DELIVERED BY PIPE LINES, BY PROVINCE IN WHICH SHIPMENTS TERMINATED
OR WERE TRANSFERRED TO OTHER CARRIERS

Province	November 1 9 5 3	October 1 9 5 3	November 1 9 5 2	YEAR TO DATE 1 9 5 3
	Barrels	Barrels	Barrels	Barrels
British Columbia - Trunk	655,268	267,064	-	922,332
Alberta - Gathering	801,030	983,644	244,838	10,014,168
" - Trunk	580,376	383,555	1,099,591	5,478,065
Saskatchewan - Trunk	1,196,563	1,373,335	972,746	13,009,740
Manitoba / - Trunk	3,517,659	3,669,181	2,837,997	32,934,150
Ontario (2) - Trunk	1,973,431	1,938,187	545,473	22,197,045
Quebec - Trunk	4,194,084	4,310,143	4,338,618	48,348,719
Net Delivered - Trunk	12,117,361	11,941,465	9,794,425	122,890,051
- Total	12,918,411	12,925,109	10,039,263	132,904,219
/ Including deliveries to U.S. pipe lines at Gretna, Manitoba	2,985,766	3,133,266	2,413,940	27,314,558

TABLE 5 OPERATING STATISTICS

	November 1 9 5 3	October 1 9 5 3	November 1 9 5 2	YEAR TO DATE 1 9 5 3
Barrels Handled - Daily Average				
Gathering Systems Dollars	182,260	164,546	145,332	157,444
Trunk Lines "	505,776	476,776	407,991	443,703
Total Barrel Miles (Trunk Lines) Millions	4,711	x 4,559	3,166	42,305
Average Miles per Barrel (Trunk Lines) Miles	310.5	x 308.4	258.7	285.5
Employees and Earnings (6)				
Average Number (4) No.	1,087	1,057	899	937
Total Salaries and Wages \$	425,426	385,629	332,519	3,741,190
Man Hours Worked by Wage Earners (5) (6) Hours	47,088	45,639	47,487	533,319

(1) Includes natural gasoline.

(2) Products of refineries.

(3) Includes some products.

(4) Includes salaried employees.

(5) Includes overtime.

(6) Excludes Amurex Oil Development Company, Anglo-Canadian Oils Limited and Sarnia Products Line.

x Revised

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

NOVEMBER, 1953

Traffic and Operating Statistics	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (1)	Total
TRAFFIC			Barrels.		
<u>Total Received into System</u>					
This month (November, 1953)	4,254,881	5,313,960	4,265,379	(2) 6,374,445	20,208,665
This year (11 months)	43,016,933	48,225,625	48,417,538	(3) 59,165,306	198,825,402
<u>Total Delivered out of System</u>					
This month (November, 1953)	4,281,422	5,065,474	4,194,084	(4) 6,303,177	19,844,157
This year (11 months)	42,976,797	47,806,332	48,348,719	(5) 55,920,661	195,052,509
OPERATING STATISTICS					
<u>Barrels Handled - Daily Average</u>					
<u>Gathering Lines</u>					
This month (November, 1953)	142,714	-	-	39,546	182,260
This year (11 months)	128,673	-	-	28,771	157,444
<u>Trunk Lines</u>					
This month (November, 1953)	-	168,849	139,802	197,125	505,776
This year (11 months)	-	143,133	144,756	155,814	443,703
<u>Total Barrel Miles</u>			Miles		
<u>(Trunk Lines - in millions)</u>					
This month (November, 1953)	-	3,224	309	1,178	4,711
This year (11 months)	-	31,169	3,554	7,582	42,305
<u>Average Miles Per Barrel</u>					
<u>(Trunk Lines)</u>					
This month (November, 1953)	-	636.0	73.6	199.2	310.5
This year (11 months)	-	652.0	73.5	145.7	285.5

	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Other Pipe Lines (6)	Total
OPERATING REVENUES			Dollars		
Three months ending March 31, 1953	723,488	2,682,266	444,475	1,293,049	5,143,278
Six months ending June 30, 1953	1,665,224	6,825,307	889,082	3,425,637	12,805,250
Nine months ending September 30, 1953	2,862,109	11,022,755	1,367,437	(7) 5,820,494	21,072,795
EMPLOYEES AND EARNINGS			Number		
Number of employees (November, 1953)	214	365	43	465	1,087
<u>Salaries and Wages</u>			Dollars		
This month (November, 1953)	74,715	144,031	16,511	190,169	425,426
This year (11 months)	821,875	1,456,274	175,482	1,287,559	3,741,190
<u>Man Hours Worked by Wage Earners</u>			Hours		
This month (November, 1953)	26,266	905	840	19,077	47,088
This year (11 months)	305,369	9,393	17,500	201,057	533,319

- (1) Amurex Oil Development Company
 Anglo-Canadian Oils Limited
 B.A. Alberta Pipe Line Limited
 B.A. Saskatchewan Pipe Line Limited
 Canadian Gulf Pipe Line Company
 Edmonton Pipe Line Co. Limited
 Imperial Oil Ltd. - Sarnia Products Pipe Line Division
 Saskatoon Pipe Line Company
 Sun-Canadian Pipe Line Co. Ltd.
 Texaco Exploration Company
 Trans Mountain Oil Pipe Line Company
 Trans-Northern Pipe Line Company
 Valley Pipe Line Company Limited
 Winnipeg Pipe Line Company Limited

Ø Totals include duplication between companies.

- (6) B.A. Alberta Pipe Line, Limited
 B.A. Saskatchewan Pipe Line Limited
 Canadian Gulf Pipe Line Company
 Edmonton Pipe Line Company Limited
 Saskatoon Pipe Line Company
 Texaco Exploration Company
 Trans Mountain Oil Pipe Line Company
 Trans-Northern Pipe Line Company
 Valley Pipe Line Company, Limited
 Winnipeg Pipe Line Company, Limited

(7) Includes Amurex Oil Development Co.

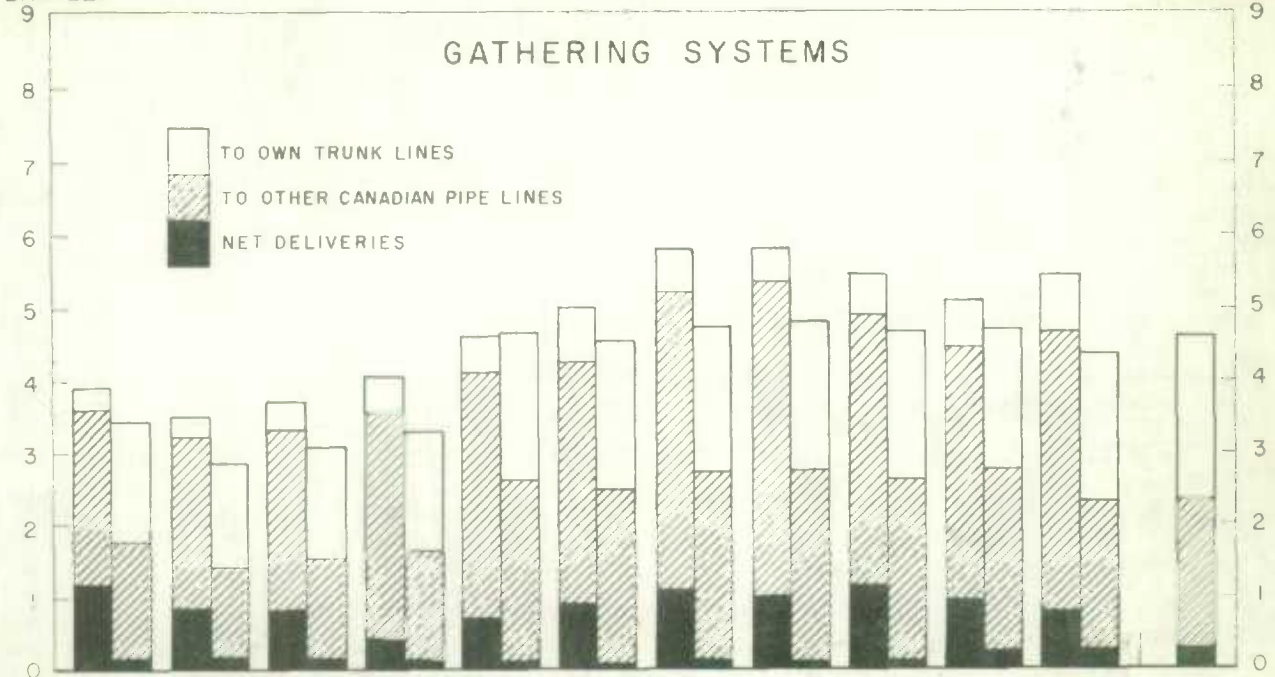
- (2) Includes 1,983,164 bbls. products and 45,964 bbls. natural gasoline
 (3) " 22,284,998 " " " 410,856 " " "
 (4) " 1,973,431 " " " 45,242 " " "
 (5) " 22,197,045 " " " 403,686 " " "

MONTHLY OIL* DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1952 AND 1953

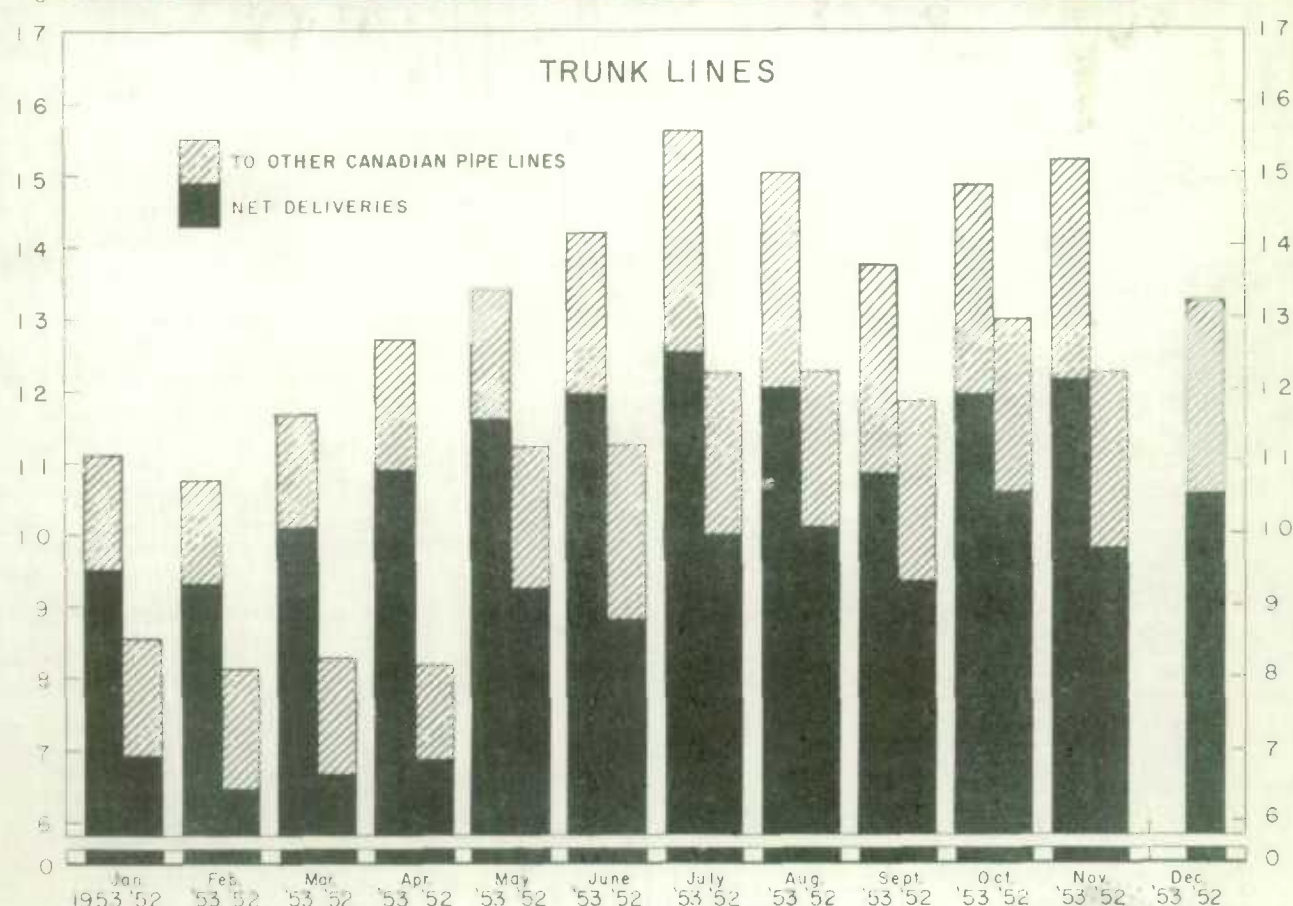
MILLION
BARRELS

MILLION
BARRELS

GATHERING SYSTEMS



TRUNK LINES



* 1953 data not strictly comparable with 1952 as Trunk Line deliveries of one short line are now reported as Gathering System deliveries.