

DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Rt. Hon. C. D. Howe, Minister of Trade and Commerce

DOMINION BUREAU
OF STATISTICS

Memorandum

PROPERTY OF THE
LIBRARY

Vol. 6, No. 12

PIPE LINES (OIL) STATISTICS

Price: \$1.00 per year

DECEMBER, 1956

Total oil deliveries from Canadian pipe lines established a new record in December, with an average net delivery of 846,578 barrels per day. This was 38,179 barrels above the November record of 808,399 and 129,985 barrels or 18 p.c. above the daily average of 716,593 recorded in December last year.

In 1956, deliveries of the Trans Mountain Oil Pipe Line Company increased to 47,251,641 barrels from 30,718,142 in 1955, up 18.1 p.c., the International Pipe Line Company rose by 20.3 p.c. to 97,116,072 barrels from 80,701,123 and the Montreal Pipe Line Company Ltd. recorded deliveries of 76,758,440 barrels as against 67,691,018 in 1955, an increase of 13.4 p.c. Deliveries of the Pembina Pipe Line Company in its second year of operation amounted to 33,673,095 barrels as compared with 14,381,796 in 1955, and Imperial's gathering system accounted for 54,045,086 barrels, as against 53,056,590 last year. Net deliveries from all lines totalled 274,940,340 barrels, compared with 224,274,768 barrels in 1955.

Provincial deliveries for the twelve months were as follows (1955 data in brackets): British Columbia 47,251,641 barrels (30,718,142); Alberta 17,830,462 (18,518,740); Saskatchewan 16,732,869 (15,543,202); Manitoba 73,344,246 (53,909,645); Ontario 43,022,682 (37,894,021); and Quebec 76,758,440 (67,691,018). Manitoba deliveries included 63,382,706 barrels (46,395,093) delivered to the Lakehead Pipe Line Company at Gretna. Of this amount 16,867,189 barrels (5,246,832) were for export while the remainder moved through the United States, destined to refineries at Sarnia. Exports via the Trans Mountain Oil Pipe Line have more than doubled, totalling 25,441,901 barrels for 1956, compared with 11,408,992 in 1955. The December figure includes 74,900 barrels destined to France.

Refinery products delivered during the year rose to 43,946,719 barrels from 38,607,751 barrels in 1955, an increase of 13.8 p.c. Of this total, refined gasoline accounted for 23,779,088 barrels (21,730,914); distillate fuels for 16,330,619 barrels (13,478,675); and refined oil and other products for 3,837,012 (3,398,162).

Net receipts during the month of December totalled 27,241,905 barrels compared with 21,370,443 in December 1955, an increase of 27.5 p.c. Included in the month's receipts were 13,006,650 barrels of Alberta crude, 60,277 barrels of Alberta natural gasoline, 2,070,853 of Saskatchewan crude, 494,155 of Manitoba crude, 7,184,151 barrels of imported crude and 4,425,819 barrels of refinery products.

Again both gathering and trunk lines established new records with gathering systems handling a daily average of 487,998 barrels compared with 468,115 barrels in November, and an increase of 37.7 p.c. above the corresponding month last year. Trunk lines delivered an average of 1,183,858 barrels per day, 50,146 above the November record of 1,133,712, and an increase of 22.7 p.c. above the average of 923,581 barrels for December 1955.

Prepared in the Transportation and Public Utilities Section,
Public Finance and Transportation Division.

8504-508-126

Barrel miles in millions, recorded a new high of 10,780 for December, and the year's total increased 32.6 p.c. from 83,693 million in 1955, to 110,958 million in the current year.

Operating revenues for the last quarter of 1956 amounted to \$22,600,357, as compared with \$16,778,228 in 1955, bringing the total for the year to \$78,316,555 compared with \$58,952,816 in 1955, an increase of \$19,363,739 or 32.8 p.c.

The number of employees increased slightly from 1,583 in November, to 1,591 in December, but salaries again reached a new high of \$747,840 up \$39,133 from the previous month. Earnings for the year averaged \$5,285 as against \$4,890 in the previous year, an increase of 8 p.c.

Revenue and employee data for the Sarnia Products Pipe 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 operation of the Anglo American Exploration Company and employee data of the Amurex Oil Development Company, Key Pipe Line Company, Ltd., Mid-Saskatchewan Pipe Lines, Ltd., Nisku Products Pipe Line Company, Anglo Canadian Oils, Ltd. and Valley Pipe Line Company, Ltd. have been omitted. Data on the activities of these companies have been included in all other applicable sections of the report.

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

	Barrels
Total Received into Systems - all companies -	
during twelve months of 1956, per table 6	441,490,957
Received into Trunk Lines from other Canadian Pipe Lines	161,283,162
"Net Received" into Canadian Pipe Line Systems	280,207,795
"Net Received" into Trunk Systems per table 1	126,853,141
"Net Received" into Gathering Systems per table 2	153,354,654
Total Delivered out of Systems - all companies -	
during twelve months of 1956, per table 6	439,177,475
Delivered to other Canadian Pipe Lines	164,237,135
"Net Delivered" from Canadian Pipe Line Systems	274,940,340
"Net Delivered" from Trunk Systems per table 1	268,505,095
"Net Delivered" from Gathering Systems per table 2	6,435,245

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 December and are given herewith:

OIL BALANCE - ALL COMPANIES - DECEMBER, 1956

	Barrels
Total Shippers Balances - January 1, 1956	8,937,210
Total Carriers Balances - January 1, 1956	375,411
Received into Gathering Systems January 1 to December 31, 1956	153,354,654
Received into Trunk Systems January 1 to December 31, 1956	373,542,189
	526,896,843
Total oil accountable for period	536,209,464
Delivered from Gathering Systems January 1 to December 31, 1956	153,328,079
Delivered from Trunk Systems during January 1 to December 31, 1956	371,253,563
	524,581,642
Balance to be accounted for at December 31, 1956	11,627,822
Oil consumed as fuel and losses January 1 to December 31, 1956	542,811
Balance on hand - December 31, 1956	11,085,011
Total Shippers Balances - December 31, 1956	10,368,770
Total Carriers Balances - December 31, 1956	716,241

The Interprovincial Pipe Line Company operates over 1,500 miles of line in Canada from Edmonton to the International border near Gretna, Manitoba, along with 7 miles of 30 inch pipe coming into Canada across the St. Clair River at Sarnia. The Sun Pipe Line Company also operates lines across the St. Clair River from the United States to Sarnia. Oil delivered at Sarnia via Interprovincial's line would be a duplication of oil already reported on the western section of the line. For this reason and because of the limited nature of their operations data for these two short sections are not included in Canadian oil pipe line statistics. A summary of oil delivered by these two lines at Sarnia follows:

Month	Interprovincial	Sun Pipe Line
	Pipe Line Company	Company
	Crude Oil	Crude and Refined Oil
	Barrels	Barrels
December, 1955	3,336,463	461,391
November, 1956	3,903,984	486,463
December, 1956	4,234,146	543,950

TABLE 1

OIL CARRIED BY PIPE LINES - TRUNK

	DECEMBER 1 9 5 6	NOVEMBER ^x 1 9 5 6	DECEMBER 1 9 5 5	YEAR TO DATE 1 9 5 6
	Barrels	Barrels	Barrels	Barrels
1. <u>Total Received * (2+3+4+5)</u>	36,946,806	33,752,444	27,775,849	373,542,189
Less: Received from other Canadian pipe lines -				
2. Own Gathering System	9,468,214	8,622,904	5,269,505	85,405,886
3. Other pipe lines - Gathering	4,165,564	3,976,273	2,970,690	39,970,880
4. Trunk	11,202,923	10,333,808	9,154,735	121,312,282
5. <u>Net Received (6+7+8)</u>	12,110,105	10,819,459	10,380,919	126,853,141
6. Originating on own trunk lines	4,808,817	3,976,859	4,269,306	48,669,431
7. Received from foreign pipe line connections	7,184,151	6,642,278	6,018,276	76,801,449
8. Received from other carriers (rail & truck)	117,137	200,322	93,337	1,382,261
9. <u>Total Delivered * (10+11)</u>	36,699,599	33,984,396	28,630,996	371,253,563
10. Less: Delivered to other Canadian trunk lines	10,591,526	9,928,671	7,327,208	102,748,468
11. <u>Net Delivered (12+13+14)</u>	26,108,073	24,055,725	21,303,788	268,505,095
12. Terminated on own trunk lines	16,451,089	14,895,866	14,840,129	179,405,490
13. Delivered to foreign pipe line connections	8,555,781	8,375,430	6,427,505	82,594,141
14. Delivered to other carriers (truck, rail and water)	1,101,203	784,429	36,154	6,505,464

TABLE 2

OIL CARRIED BY PIPE LINES - GATHERING

	DECEMBER 1 9 5 6	NOVEMBER 1 9 5 6	DECEMBER 1 9 5 5	YEAR TO DATE 1 9 5 6
	Barrels	Barrels	Barrels	Barrels
15. <u>Total Received (16+17)</u>	15,131,800	14,025,075	10,989,524	153,354,654
16. Less: Received from other gathering systems	-	-	-	-
17. <u>Net Received (18+19)</u>	15,131,800	14,025,075	10,989,524	153,354,654
18. Originating on own gathering system	14,572,175	13,379,582	10,576,463	148,109,712
19. Received from other carriers (rail & truck)	559,625	645,493	413,061	5,244,942
20. <u>Total Delivered * (21+22+23)</u>	15,127,963	14,043,458	10,983,899	153,328,079
Less: Delivered to other pipe lines -				
21. Own Trunk system	9,468,214	8,622,904	5,269,505	85,404,167
22. Other pipe lines	5,523,891	5,224,294	4,803,785	61,488,667
23. <u>Net Delivered (24+25)</u>	135,858	196,260	910,609	6,435,245
24. Terminated on gathering systems	74,300	111,933	749,035	4,123,804
25. Delivered to other carriers (rail & truck)	61,558	84,327	161,574	2,311,441

/ Includes natural gasoline and products.

* Includes duplications.

/ Includes natural gasoline.

x Revised.

TABLE 3

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

Province		DECEMBER	NOVEMBER x	DECEMBER	YEAR TO DATE
		1956	1956	1955	1956
		Barrels	Barrels	Barrels	Barrels
Alberta (1)	- Gathering	12,571,866	11,623,996	9,970,954	134,047,164
"	- Trunk	580,176	666,671	569,013	6,792,480
Saskatchewan	- Gathering	2,065,779	1,917,885	596,645	13,591,760
"	- Trunk	5,074	6,009	5,623	178,951
Manitoba	- Gathering	494,155	483,194	422,285	5,715,928
"	- Trunk	-	-	-	-
Ontario (2)	- Trunk	2,585,593	1,909,396	2,381,711	24,988,391
Quebec (3)	- Trunk	8,939,262	8,237,383	7,424,572	94,893,319
Net Received	- Gathering	15,131,800	14,025,075	10,989,524	153,354,654
"	- Trunk	12,110,105	10,819,459	10,380,919	126,853,141
"	- Total	27,241,905	24,844,534	21,370,443	280,207,795

TABLE 4

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

Province		DECEMBER	NOVEMBER x	DECEMBER	YEAR TO DATE
		1956	1956	1955	1956
British Columbia	- Trunk	4,893,532	4,430,369	3,517,585	47,251,641
Alberta (1)	- Gathering	111,120	173,517	878,014	5,287,068
"	- Trunk	964,645	1,001,790	778,763	12,543,394
Saskatchewan	- Gathering	24,738	22,743	32,595	1,148,177
"	- Trunk	1,458,360	1,402,990	1,454,731	15,584,692
Manitoba	- Trunk	7,328,643	7,016,546	5,672,925	73,344,246
Ontario (2)	- Trunk	4,295,684	3,520,873	3,819,916	43,022,682
Quebec	- Trunk	7,167,209	6,683,157	6,059,868	76,758,440
Net Delivered	- Gathering	135,858	196,260	910,609	6,435,245
"	- Trunk	26,108,073	24,055,725	21,303,788	268,505,095
"	- Total	26,243,931	24,251,985	22,214,397	274,940,340
including exports		3,221,582	3,018,105	1,587,599	25,441,901
including deliveries to U.S. pipe lines, Gretna, Man.		6,409,642	6,113,241	4,839,906	63,382,706

TABLE 5

OPERATING STATISTICS

		DECEMBER	NOVEMBER x	DECEMBER	YEAR TO DATE
		1956	1956	1955	1956
Barrels Handled - Daily Average					
Gathering Systems	Barrels	487,998	468,115	354,319	418,929
Trunk Lines	"	1,183,858	1,132,813	923,581	1,014,353
Total Barrel Miles (Trunk Lines)	Millions	10,780	9,925	8,776	110,958
Average Miles Per Barrel (Trunk Lines)	Miles	293.7	292.1	306.5	298.8
Employees and Earnings (6)					
Average Number (4)	No.	1,591	1,583	1,300	1,495
Total Salaries and Wages	\$	747,840	709,129	565,632	7,901,135
Man-Hours Worked by Wage Earners (5) (6)	Hours	119,375	74,449	63,428	870,495

- (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 American Exploration Company, Ltd.,

Anglo-Canadian Oils, Ltd., Sarnia Products Line, Key Pipe Line Company, Ltd., Mid Saskatchewan Pipe Lines, Ltd., Mobil Oil of Canada, Ltd., Nisku Products Pipe Line Company, Ltd., Peace River Oil Pipe Line Company, Ltd., and Valley Pipe Line Company, Ltd.,

x Revised.

TABLE 6

PIPE LINE STATISTICS, BY COMPANIES

December, 1956

Traffic and Operating Statistics	Imperial Pipe Line Co. Ltd.	Inter- provincial Pipe Line Co.	Montreal Pipe Line Co. Ltd.	Trans Mountain Oil Pipe Line Company	Other Pipe lines (1)	Total
TRAFFIC*			<u>Barrels</u>			
<u>Total Received into System</u>						
This month December, 1956	4,565,717	9,209,793	7,184,151	4,656,043	(2) 16,994,688	42,610,392
This year (12 months)	54,035,392	98,283,981	76,801,449	47,546,235	(3) 164,823,900	441,490,957
<u>Total Delivered out of System</u>						
This month December, 1956	4,565,676	8,970,965	7,167,209	4,893,532	(4) 16,761,966	42,359,348
This year (12 months)	54,045,086	97,116,072	76,758,440	47,251,641	(5) 164,006,236	439,177,475
OPERATING STATISTICS						
<u>Barrels Handled - Daily Average</u>						
<u>Gathering Lines</u>						
This month December, 1956	147,279	-	-	-	340,719	487,998
This year (12 months)	147,664	-	-	-	271,265	418,929
<u>Trunk Lines</u>						
This month December, 1956	-	289,386	231,200	157,856	505,416	1,183,858
This year (12 months)	-	265,344	209,722	129,103	410,184	1,014,353
<u>Total Barrel Miles</u>			<u>Miles</u>			
<u>(Trunk Lines - in millions)</u>						
This month December, 1956	-	5,096	528	3,380	1,776	10,780
This year (12 months)	-	55,257	5,655	32,850	17,196	110,958
<u>Average Miles Per Barrel</u>						
<u>(Trunk Lines)</u>						
This month December, 1956	-	568.0	73.7	691.0	113.3	293.7
This year (12 months)	-	569.0	73.7	695.0	114.5	298.8
OPERATING REVENUES			<u>Dollars</u>			
Three Months ending March 31, 1956	965,948	5,986,021	624,367	5,252,344	(7) 5,543,545	18,372,225
Six Months ending June 30, 1956	1,871,676	11,660,890	1,277,408	9,397,247	(7) 10,807,672	35,014,893
Nine Months ending Sept. 30, 1956	2,878,530	18,090,437	1,922,595	15,650,352	(7) 17,174,284	55,716,198
Twelve Months ending Dec. 31, 1956	3,871,118	25,114,174	2,595,662	22,284,755	(7) 24,450,846	78,316,555
EMPLOYEES AND EARNINGS			<u>Number</u>			
Number of Employees December, 1956	162	394	57	228	(6) 750	1,591
<u>Salaries and Wages</u>			<u>Dollars</u>			
This month December, 1956	67,495	200,191	23,742	120,211	(6) 336,201	747,840
This year (12 months)	900,216	2,213,372	274,731	1,200,382	(6) 3,311,434	7,901,135
<u>Man-Hours Worked by Wage Earners</u>			<u>Hours</u>			
This month December, 1956	20,823	313	1,276	610	(6) 96,353	119,375
This year (12 months)	259,411	7,858	15,654	19,078	(6) 568,494	870,495

* Totals include duplication between companies.

- (1) Includes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; B.A. Alberta Pipe Line, Limited; B.A. Saskatchewan Pipe Line, Limited; Britam Oil Pipe Line Company, Limited; Cremona Pipe Lines, Limited; Edmonton Pipe Line Co., Limited; Gibson Crude Oil Purchasing Co. Ltd., Green River Exploration Co. Limited; Imperial Oil - Sarnia Products Pipe Line Division; Key Pipe Line Co. Limited; Mid-Saskatchewan Pipe Lines Limited; Mobil Oil of Canada, Limited; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Company, Limited; Pembina Pipe Line, Limited; Trans-Prairie Pipe Lines Limited; Saskatoon Pipe Line Company; South Saskatchewan Pipe Line Company; Sun Canadian Pipe Line Company, Limited; Texaco Exploration Company; Trans-Northern Pipe Line Company; Valley Pipe Line Company, Limited; Westspur Pipe Line Company; and Winnipeg Pipe Line Company, Limited.
- (2) Includes 4,425,819 bbls. products and 60,277 bbls. natural gasoline.
- (3) Includes 43,997,263 bbls. products and 642,725 bbls. natural gasoline.
- (4) Includes 4,381,482 bbls. products and 55,069 bbls. natural gasoline.
- (5) Includes 43,946,719 bbls. products and 637,042 bbls. natural gasoline.
- (6) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Anglo-Canadian Oils, Limited; Imperial Oil - Sarnia Products Pipe Line Division; Key Pipe Line Co. Limited; Mid-Saskatchewan Pipe Lines Limited; Mobil Oil of Canada Limited; Nisku Products Pipe Line Company, Limited; Peace River Oil Pipe Line Company; and Valley Pipe Line Company Ltd.
- (7) Excludes Amurex Oil Development Company; Anglo American Exploration Company; Green River Exploration Company; Mobil Oil of Canada Limited and Sarnia Products Line.

MONTHLY OIL DELIVERIES BY CANADIAN PIPE LINE SYSTEMS 1955 AND 1956

GATHERING SYSTEM

MILLION
BARRELS

MILLION
BARRELS

20—

—20

18—

—18

16—

—16

14—

—14

12—

—12

10—

—10

8—

—8

6—

—6

4—

—4

2—

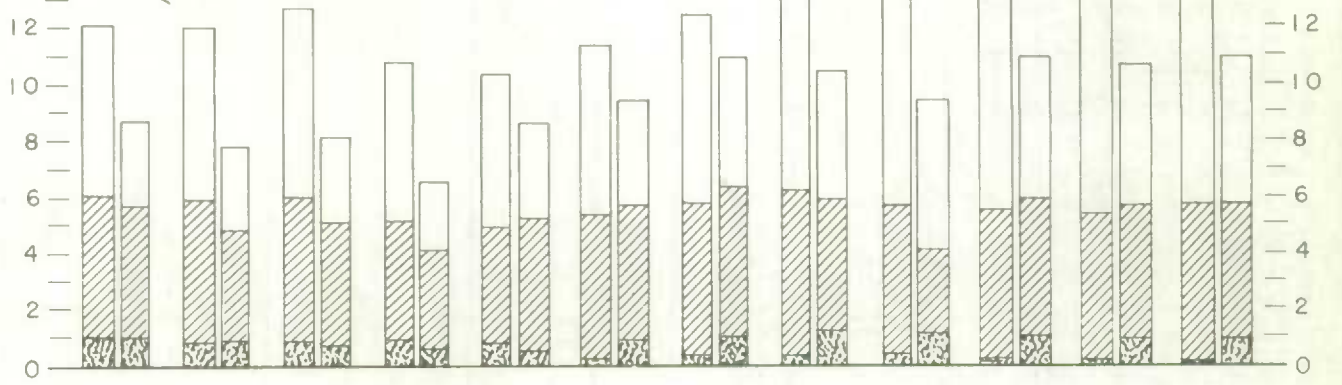
—2

0—

—0

1956
1955

TO OWN TRUNK LINES
TO OTHER CANADIAN PIPE LINES
NET DELIVERIES



TRUNK LINES

40—

—40

38—

—38

36—

—36

34—

—34

32—

—32

30—

—30

28—

—28

26—

—26

24—

—24

22—

—22

20—

—20

18—

—18

16—

—16

14—

—14

12—

—12

10—

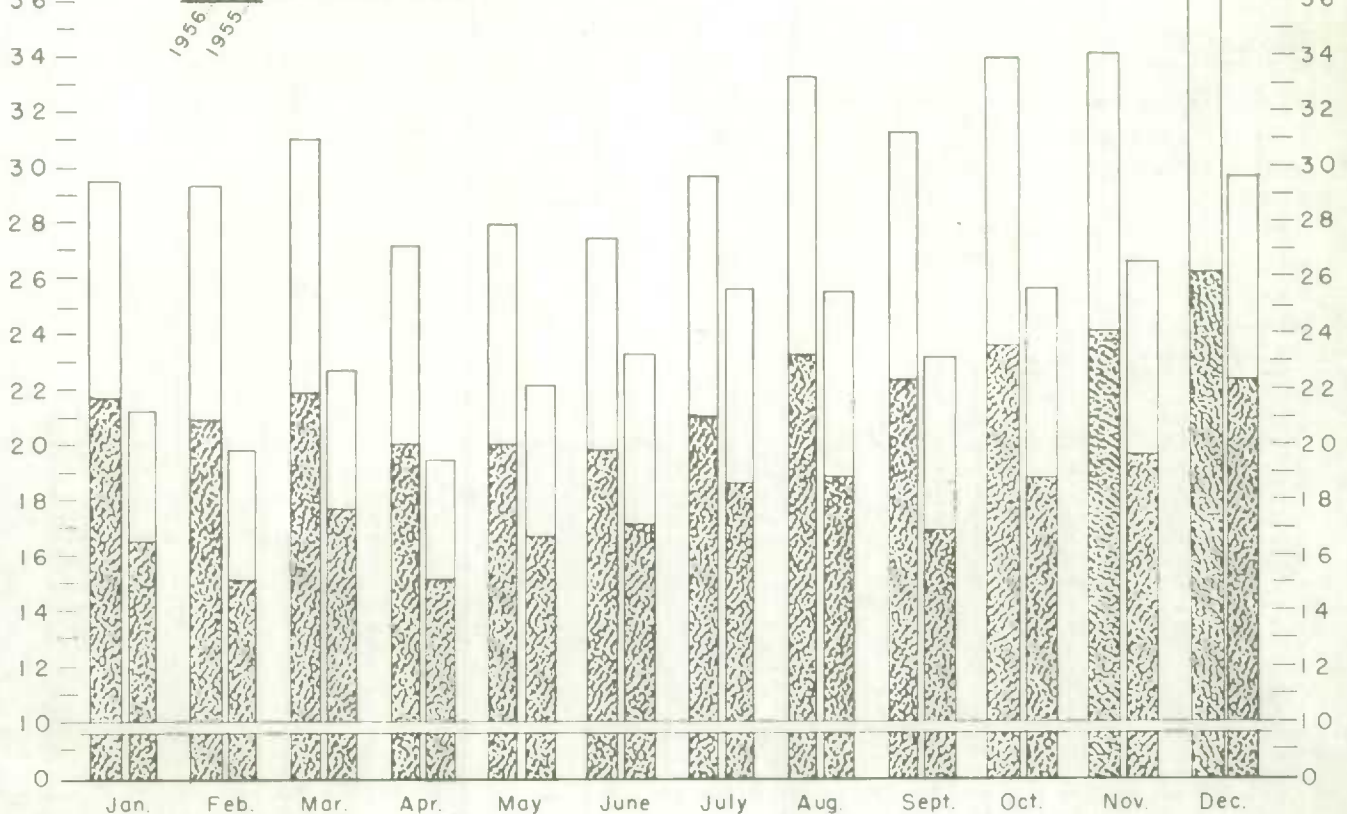
—10

0—

—0

1956
1955

TO OTHER CANADIAN PIPE LINES
NET DELIVERIES



STATISTICS CANADA LIBRARY
BIBLIOTHÈQUE STATISTIQUE CANADA



1010534414