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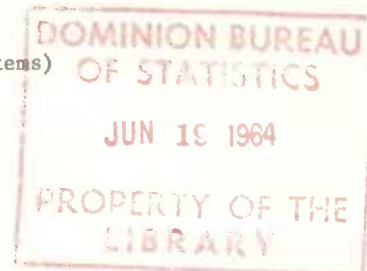
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GAS UTILITIES
(Transport and Distribution Systems)

JANUARY 1964



During January 1964 gas utilities received 90,397,955 Mcf. of natural gas from field gathering systems and processing plants. The transport systems accounted for 67,439,121 Mcf., while the distribution systems received 22,958,834 Mcf.; natural gas received from storage was 6,075,333 Mcf. The total supply of gas utilities was 96,551,154 Mcf., 1.2 per cent higher than in January 1963. Of the total supply, 58,280,826 Mcf. were sold to ultimate customers in Canada, an increase of 8.2 per cent, while exports amounted to 36,341,974 Mcf., an increase of 5.0 per cent over last year. The difference between gas supply and deliveries was accounted for by losses including cyclical billing adjustments, line pack changes and small deliveries to storage. Natural gas received by distribution systems from transport systems amounted to 35,182,609 Mcf., up 2.3 per cent from last year. For the twelve-month period ended January 1964 exports totalled 361,339,690 Mcf., while net deliveries amounted to 818,352,417 Mcf.

The transport systems which represent virtually all of the major "intercity" movements of natural gas had traffic amounting to 58.5 billion commodity (Mcf.) miles during January 1964 compared with 51.9 billion for the same month last year. Ton-miles totalled 1,334 million for January 1964. The daily average deliveries of gas utilities amounted to 3.1 million Mcf.

Alberta natural gas utility receipts totalled 74.8 billion cubic feet; of this 25.1 per cent was sold to ultimate customers in Alberta, 21.5 per cent in Ontario, 4.5 per cent in Manitoba, 3.7 per cent in Quebec, 3.2 per cent in Saskatchewan and 1.4 per cent in British Columbia. In Table 3 gas received from and delivered to storage is considered as having terminated or originated in the province where the storage is located.

Revenue for the natural gas utilities for the month was \$51,041,410 and for manufactured and liquefied petroleum gases systems \$247,592, giving a combined Gas Utilities total of \$51,289,002.

All gas volumes are given in cubic feet measured at 14.73 s.i.a. and 60°F; that is, without adjustments to a common B.T.U. base. Gas sales and exports in cubic feet containing 1,000 B.T.U.'s at 14.73 p.s.i.a. and 60°F are given separately in Tables 4 and 5 in the companion publication "Sales of Manufactured and Natural Gas", Catalogue number 45-005.

Residential sales and a substantial portion of the smaller commercial sales are for the most part "displacement meter" sales and adjustments to a common base are only close approximations; industrial and larger commercial sales are for the most part "orifice meter" sales which are easily adjusted to the common base. All sales are reported on a billing month basis, consequently "Line losses and unaccounted for" include cyclical billing adjustments.

A companion publication "Crude Petroleum and Natural Gas Production", Catalogue 26-006 gives the Supply and Disposition of Natural Gas by Source.

Industry Division

June 1964
6511-509

TABLE 1. Receipts and Disposition of Natural Gas Utilities by Province

January 1964

No.		New Brunswick	Quebec	Ontario
			Mcf.	
	<u>Receipts</u>			
1	By transport systems:			
1a	Fields	-	-	-
1b	Processing plants	-	-	-
2	By distribution systems:			
2a	Fields	13,507	-	1,153,281
2b	Processing plants	-	-	-
3	Total (1 + 2)	13,507	-	1,153,281
4	Imports	-	-	-
5	Other receipts(1)	-	-	770
6	Total net receipts (3 + 4 + 5)	13,507	-	1,154,051
7	Received from storage	-	-	5,764,984
9	Total supply of gas utilities (6 + 7)	13,507	-	6,919,035
	Transfers from:			
11	Other provinces	-	2,843,470	18,781,454
12	Distribution to transport (primary)	-	-	-
13	Other gas utilities	-	2,843,470	28,447,075
19	Total gross receipts (9 + 11 + 12 + 13) ...	13,507	5,686,940	54,147,564
	<u>Disposition</u>			
	Sales:			
20	Residential	7,750	1,236,960	11,420,256
21	Industrial	-	1,216,095	7,426,901
22	Commercial	-	317,497	4,043,528
30	Total sales (20 + 21 + 22)	7,750	2,770,552	22,890,685
31	Exports	-	-	131,318
32	Other deliveries	-	-	1,111
33	Total net deliveries (30 + 31 + 32)	7,750	2,770,552	23,023,114
34	Delivered to storage	-	-	-
35	Line pack fluctuation	-	8,532	27,439
36	Gas used in system	-	6,548	919,970
37	Line losses and unaccounted for	5,757	57,838	- 1,113,504
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	13,507	2,843,470	22,857,019
	Transfers to:			
40	Other provinces	-	-	2,843,470
41	Distribution by transport (primary)	-	2,843,470	21,022,663
42	Other gas utilities	-	-	7,424,413
49	Total disposition (39 + 40 + 41 + 42)	13,507	5,686,940	54,147,564

(1) Includes peak shaving and enrichment.
 ... Figures not appropriate or not applicable.
 x Revised figures.

TABLE 1. Receipts and Disposition of Natural Gas Utilities by Province

January 1964

Manitoba	Saskatchewan	Alberta	British Columbia	Canada	January ^r 1963	No.
					Canada	
Mcf.						
-	-	7,703,544	378,653	8,082,197	7,948,405	1a
-	-	48,418,849	10,938,075	59,356,924	53,928,278	1b
-	771,451	6,666,063	14,163	8,618,465	11,929,746	2a
-	2,511,677	11,752,506	76,186	14,340,369	12,776,442	2b
-	3,283,128	74,540,962	11,407,077	90,397,955	86,582,871	3
-	-	12,330	-	12,330	213,784	4
55,624	-	9,142	-	65,536	82,482	5
55,624	3,283,128	74,562,434	11,407,077	90,475,821	86,879,137	6
-	132,301	178,048	-	6,075,333	8,536,394	7
55,624	3,415,429	74,740,482	11,407,077	96,551,154	95,415,531	9
29,119,795	31,906,006	-	21,056,181	...	...	11
-	748,971	366,765	-	1,115,736	4,275,301	12
3,552,361	2,637,204	3,728,016	4,773,725	45,981,851	43,342,270	13
32,727,780	38,707,610	78,835,263	37,236,983	143,648,741	143,033,102	19
2,025,236	2,516,725	6,610,544	2,220,146	26,037,617	24,487,687	20
587,445	1,630,277	7,583,060	1,700,649	20,144,427	18,467,506	21
1,224,413	1,179,839	4,604,248	729,257	12,098,782	10,897,541	22
3,837,094	5,326,841	18,797,852	4,650,052	58,280,826	53,852,734	30
6,337,184	-	2,536,028	27,337,444	36,341,974	34,608,544	31
-	-	240,639	-	241,750	88,879	32
10,174,278	5,326,841	21,574,519	31,987,496	94,864,550	88,550,157	33
-	115,102	483,973	-	599,075	766,307	34
6,180	- 10,816	- 3,651	- 63,512	- 35,828	168,468	35
427,530	909,729	109,567	298,326	2,671,670	2,125,732	36
- 214,023	- 139,216	- 386,113	240,948	- 1,548,313	3,804,867	37
10,393,965	6,201,640	21,778,295	32,463,258	96,551,154	95,415,531	39
18,781,454	29,119,795	52,962,187	-	...	...	40
3,552,361	2,637,204	501,565	4,625,347	35,182,609	34,377,018	41
-	748,971	3,593,216	148,378	11,914,978	13,240,553	42
32,727,780	38,707,610	78,835,263	37,236,983	143,648,741	143,033,102	49

TABLE 2. Receipts and Disposition of Natural Gas Utilities by Month, Canada, 1964

No.		January	February	March	April	May
				Mcf.		
	<u>Receipts</u>					
1	By transport systems:					
1a	Fields	8,082,197				
1b	Processing plants	59,356,924				
2	By distribution systems:					
2a	Fields	8,618,465				
2b	Processing plants	14,340,369				
3	Total (1 + 2)	90,397,955				
4	Imports	12,330				
5	Other receipts(1)	65,536				
6	Total net receipts (3 + 4 + 5)	90,475,821				
7	Received from storage	6,075,333				
9	Total supply of gas utilities (6 + 7)	96,551,154				
	Transfers from:					
11	Other provinces .....	...			
12	Distribution to transport (primary)	1,115,736				
13	Other gas utilities	45,981,851				
19	Total gross receipts (9 + 11 + 12 + 13) ...	143,648,741				
	<u>Disposition</u>					
	Sales:					
20	Residential	26,037,617				
21	Industrial	20,144,427				
22	Commercial	12,098,782				
30	Total sales (20 + 21 + 22)	58,280,826				
31	Exports	36,341,974				
32	Other deliveries	241,750				
33	Total net deliveries (30 + 31 + 32)	94,864,550				
34	Delivered to storage	599,075				
35	Line pack fluctuation	- 35,828				
36	Gas used in system	2,671,670				
37	Line losses and unaccounted for	- 1,548,313				
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	96,551,154				
	Transfers to:					
40	Other provinces .....	...			
41	Distribution by transport (primary)	35,182,609				
42	Other gas utilities	11,914,978				
49	Total disposition (39 + 40 + 41 + 42)	143,648,741				

(1) Includes peak shaving and enrichment.
 ... Figures not appropriate or not applicable.
 † Revised figures.

TABLE 2. Receipts and Disposition of Natural Gas Utilities by Month, Canada, 1964

June	July	August	September	October	November	December	Year to date		No.
							1964	1963 ^F	
				Mcf.					
								7,948,405	1a
								53,928,278	1b
								11,929,746	2a
								12,776,442	2b
								86,582,871	3
								213,784	4
								82,482	5
								86,879,137	6
								8,536,394	7
								95,415,531	9
								...	11
								4,275,301	12
								43,342,270	13
								143,033,102	19
								24,487,687	20
								18,467,506	21
								10,897,541	22
								53,852,734	30
								34,608,544	31
								88,879	32
								88,550,157	33
								766,307	34
								168,468	35
								2,125,732	36
								3,804,867	37
								95,415,531	39
								...	40
								34,377,018	41
								13,240,553	42
								143,033,102	49

TABLE 3. Receipts and Disposition of Natural Gas by Source

January 1964

No.		New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Imports from U.S.A.	Total
					Mcf.			
	<u>Receipts</u>							
1	By transport systems:							
1a	Fields	-	-	-	7,703,544	378,653	...	8,082,197
1b	Processing plants	-	-	-	48,418,849	10,938,075	...	59,356,924
2	By distribution systems:							
2a	Fields	13,507	1,153,281	771,451	6,666,063	14,163	...	8,618,465
2b	Processing plants	-	-	2,511,677	11,752,506	76,186	...	14,340,369
3	Total (1 + 2)	13,507	1,153,281	3,283,128	74,540,962	11,407,077	...	90,397,955
4	Imports .....	...	...	...	...	...	12,330	12,330
5	Other receipts(1)	-	770	-	64,766	-	...	65,536
6	Total net receipts (3 + 4 + 5)	13,507	1,154,051	3,283,128	74,605,728	11,407,077	12,330	90,475,821
7	Received from storage	-	5,764,984	132,301	178,048	-	...	6,075,333
9	Total supply of gas utilities (6 + 7)	13,507	6,919,035	3,415,429	74,783,776	11,407,077	12,330	96,551,154
	<u>Disposition</u>							
	Sales:							
23	British Columbia	-	-	-	1,078,105	3,571,947	-	4,650,052
24	Alberta	-	-	-	18,785,522	-	12,330	18,797,852
25	Saskatchewan	-	-	2,951,269	2,375,572	-	-	5,326,841
26	Manitoba	-	-	472,773	3,364,321	-	-	3,837,094
27	Ontario	-	6,838,034	-	16,052,651	-	-	22,890,685
28	Quebec	-	-	-	2,770,552	-	-	2,770,552
29	New Brunswick	7,750	-	-	-	-	-	7,750
30	Total sales (23 + 24 + 25 + 26 + 27 + 28 + 29)	7,750	6,838,034	3,424,042	44,426,723	3,571,947	12,330	58,280,826
31	Exports	-	-	-	28,834,295	7,507,679	...	36,341,974
32	Other deliveries	-	-	-	241,750	-	...	241,750
33	Total net deliveries (30 + 31 + 32)	7,750	6,838,034	3,424,042	73,502,768	11,079,626	12,330	94,864,550
34	Delivered to storage	-	-	115,102	483,973	-	-	599,075
35	Line pack fluctuation	-	-	- 19,056	30,122	- 46,894	-	- 35,828
36	Gas used in system	-	35,278	54,671	2,366,763	214,958	-	2,671,670
37	Line losses and unaccounted for	5,757	45,723	- 159,330	- 1,599,850	159,387	-	- 1,548,313
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	13,507	6,919,035	3,415,429	74,783,776	11,407,077	12,330	96,551,154

(1) Includes peak shaving and enrichment.
... Figures not appropriate or not applicable.

TABLE 4. Operating Statistics: Natural Gas Utilities

January 1964

	Natural gas transport systems	Natural gas distribution systems	Total natural gas utilities
Daily sendouts (Mcf.):			
January 1964:			
Daily average	2,307,245	1,880,027	3,079,472
Maximum(1)	2,732,436	...	...
Minimum(1)	2,087,418	...	...
Exports maximum(1)	1,215,165	...	1,215,165
January 1963 ^F :			
Daily average	2,225,341	1,898,475	2,881,176
Maximum(1)	2,627,885	...	...
Minimum(1)	1,945,291	...	...
Year to date 1964:			
Daily average	2,307,245	1,880,027	3,079,472
Maximum(1)	2,732,436	...	...
Minimum(1)	2,087,418	...	...
Commodity miles:			
Mcf. miles (thousands)	58,528,489	..	..
Ton-miles (millions)	1,334	..	..
Line pack:			
Beginning of month (Mcf.)	6,594,431	..	..
End of month (Mcf.)	6,574,984	..	..
Operating revenues	(\$)21,682,861	(\$)41,222,705 ^F	(\$)51,041,410(2)

(1) Non-coincident.

(2) Interindustry revenues eliminated.

.. Figures not available.

... Figures not appropriate or not applicable.

^F Revised figures.

TABLE 5. Manufactured and Liquefied Petroleum Gases Utilities

Receipts and Disposition

January 1964

	Manufactured	Liquefied petroleum gases
	Mcf.	
Gas receipts	55,081	283,077
Deliveries to ultimate customers	57,040	265,778
Line pack fluctuations	-	5,424
Gas used in system	- 5,424	3,087
Metering difference, line losses, cyclical billing adjustments and unaccounted for	3,465	8,788
Total disposition	55,081	283,077
Daily average sendout	1,840	8,573
Revenues	(\$)47,151	(\$)200,441



TABLE 6. Exports and Imports to and from the United States

January

Customs port	Exports	Imports
	Mcf.	
Cornwall, Ontario	131,318	-
Ojibway, Ontario	-	-
Emerson, Manitoba	6,337,184	-
Coutts, Alberta	405	12,330
Aden, Alberta	1,546,819	-
Carway, Alberta	988,804	-
Kingsgate, British Columbia - U.S.A. District V South(1)	13,428,098	-
Other U.S.A.	4,510,072	-
Huntingdon, British Columbia	9,399,274	-
Canada - 1964	36,341,974	12,330
1963	34,608,544	213,784

(1) California, Nevada, Arizona.