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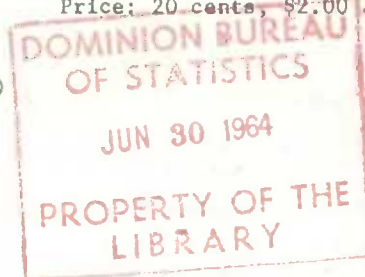
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GAS UTILITIES  
(Transport and Distribution Systems)

FEBRUARY 1964



Gas utilities received from field gathering systems and processing plants 83,705,926 Mcf. of natural gas during February 1964. The transport systems accounted for 63,320,161 Mcf., while the distribution systems received 20,385,765 Mcf.; natural gas received from storage was 4,719,049 Mcf. The total supply of gas utilities amounted to 88,453,213 Mcf., 10.8 per cent higher than last year. Of the total supply, 51,252,055 Mcf. were sold to ultimate customers in Canada, a decrease of 1.6 per cent, while exports amounted to 34,210,271 Mcf., an increase of 15.1 per cent over the same month in 1963. 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 32,659,707 Mcf., up 9.9 per cent from last year. For the twelve-month period ended February 1964 exports totalled 365,828,076 Mcf., while net deliveries amounted to 822,164,267 Mcf.

The transport systems which represent virtually all of the major "intercity" movements of natural gas had traffic amounting to 55.6 billion commodity (Mcf.) miles during February compared with 46.3 billion for February 1963. Ton-miles totalled 1,268 million for February 1964. The daily average deliveries of gas utilities amounted to 3.0 million Mcf.

Utility receipts of natural gas produced in Alberta totalled 68.3 billion cubic feet; of this 23.2 per cent was sold to ultimate customers in Alberta, 21.0 per cent in Ontario, 4.4 per cent in Manitoba, 3.8 per cent in Quebec, 2.7 per cent in Saskatchewan and 1.5 per cent in British Columbia. In Table 3 gas received from and delivered to storage is considered as having originated or terminated in the province where the storage is located.

Revenue for the natural gas utilities for the month was \$46,449,556 and for manufactured and liquefied petroleum gases systems \$227,646, giving a combined Gas Utilities total of \$46,677,202.

All gas volumes are given in cubic feet measured at 14.73 p.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" included cyclical billing adjustments.

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

Industry Division

June 1964  
5311-509

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

February 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 .....	12,259	-	1,886,872
2b	Processing plants .....	-	-	-
3	Total (1 + 2) .....	12,259	-	1,886,872
4	Imports .....	-	-	-
5	Other receipts(1) .....	-	-	-
6	Total net receipts (3 + 4 + 5) .....	12,259	-	1,886,872
7	Received from storage .....	-	-	4,539,092
9	Total supply of gas utilities (6 + 7) .....	12,259	-	6,425,964
	Transfers from:			
11	Other provinces .....	-	2,670,638	18,059,293
12	Distribution to transport (primary) .....	-	-	-
13	Other gas utilities .....	-	2,670,638	27,927,281
19	Total gross receipts (9 + 11 + 12 + 13) ...	12,259	5,341,276	52,412,538
	<u>Disposition</u>			
	Sales:			
20	Residential .....	6,720	1,178,669	9,981,504
21	Industrial .....	-	1,128,365	7,222,960
22	Commercial .....	-	272,455	3,539,715
30	Total sales (20 + 21 + 22) .....	6,720	2,579,489	20,744,179
31	Exports .....	-	-	129,363
32	Other deliveries .....	-	-	1,000
33	Total net deliveries (30 + 31 + 32) .....	6,720	2,579,489	20,874,542
34	Delivered to storage .....	-	-	-
35	Line pack fluctuation .....	-	- 500	- 15,280
36	Gas used in system .....	-	6,594	926,306
37	Line losses and unaccounted for .....	5,539	85,055	29,051
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37) .....	12,259	2,670,638	21,814,619
	Transfers to:			
40	Other provinces .....	-	-	2,670,638
41	Distribution by transport (primary) .....	-	2,670,638	19,909,573
42	Other gas utilities .....	-	-	8,017,293
49	Total disposition (39 + 40 + 41 + 42) .....	12,259	5,341,276	52,412,538

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

TABLE 1. Receipts and Disposition of Natural Gas Utilities by Province  
February 1964

Manitoba	Saskatchewan	Alberta	British Columbia	Canada	February <sup>F</sup>		No.
					1963	Canada	
			Mcf.				
-	-	7,167,810	368,761	7,536,571	6,975,186	1a	
-	-	45,692,117	10,091,473	55,783,590	46,361,765	1b	
-	643,944	5,153,114	12,850	7,709,039	9,019,509	2a	
-	2,411,347	10,209,184	56,195	12,676,726	11,793,273	2b	
-	3,055,291	68,222,225	10,529,279	83,705,926	74,149,733	3	
-	-	9,898	-	9,898	166,149	4	
9,442	-	8,898	-	18,340	40,522	5	
9,442	3,055,291	68,241,021	10,529,279	83,734,164	74,356,404	6	
-	110,269	69,688	-	4,719,049	5,486,862	7	
9,442	3,165,560	68,310,709	10,529,279	88,453,213	79,843,266	9	
27,792,694	30,052,485	-	19,976,762	...	...	11	
-	712,326	353,347	-	1,065,673	4,737,209	12	
3,335,973	2,095,456	3,221,839	4,259,703	43,510,890	38,021,384	13	
31,138,109	36,025,827	71,885,895	34,765,744	133,029,776	122,601,859	19	
1,661,669	2,017,578	5,278,553	1,951,839	22,076,532	24,217,941	20	
700,376	1,405,460	6,899,234	1,592,130	18,948,525	17,030,474	21	
1,084,371	945,964	3,724,211	660,282	10,226,998	10,826,176	22	
3,446,416	4,369,002	15,901,998	4,204,251	51,252,055	52,074,591	30	
5,961,799	-	2,230,126	25,888,983	34,210,271	29,721,885	31	
-	-	210,370	-	211,370	65,370	32	
9,408,215	4,369,002	18,342,494	30,093,234	85,673,696	81,861,846	33	
-	264,829	479,448	-	744,277	580,226	34	
- 3,930	- 5,234	10,860	24,621	10,537	- 110,881	35	
429,251	908,980	105,206	269,317	2,645,654	1,883,954	36	
- 90,693	- 112,226	- 656,546	118,869	- 620,951	- 4,371,879	37	
9,742,843	5,425,351	18,281,462	30,506,041	88,453,213	79,843,266	39	
18,059,293	27,792,694	50,029,247	-	...	...	40	
3,335,973	2,095,456	486,946	4,161,116	32,659,707	29,710,223	41	
-	712,326	3,088,240	98,587	11,916,856	13,048,370	42	
31,138,109	36,025,827	71,885,895	34,765,744	133,029,776	122,601,859	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	7,536,571				
1b	Processing plants .....	59,356,924	55,783,590				
2	By distribution systems:						
2a	Fields .....	8,618,465	7,709,039				
2b	Processing plants .....	14,340,369	12,676,726				
3	Total (1 + 2) .....	90,397,955	83,705,926				
4	Imports .....	12,330	9,898				
5	Other receipts(1) .....	65,536	18,340				
6	Total net receipts (3 + 4 + 5) .....	90,475,821	83,734,164				
7	Received from storage .....	6,075,333	4,719,049				
9	Total supply of gas utilities (6 + 7) .....	96,551,154	88,453,213				
	Transfers from:						
11	Other provinces .....	...	...				
12	Distribution to transport (primary) .....	1,115,736	1,065,673				
13	Other gas utilities .....	45,981,851	43,510,890				
19	Total gross receipts (9 + 11 + 12 + 13) ...	143,648,741	133,029,776				
	<u>Disposition</u>						
	Sales:						
20	Residential .....	26,037,617	22,076,532				
21	Industrial .....	20,144,427	18,948,525				
22	Commercial .....	12,098,782	10,226,998				
30	Total sales (20 + 21 + 22) .....	58,280,826	51,252,055				
31	Exports .....	36,341,974	34,210,271				
32	Other deliveries .....	241,750	211,370				
33	Total net deliveries (30 + 31 + 32) .....	94,864,550	85,673,696				
34	Delivered to storage .....	599,075	744,277				
35	Line pack fluctuation .....	- 35,828	10,537				
36	Gas used in system .....	2,671,670	2,645,654				
37	Line losses and unaccounted for .....	- 1,548,313	- 620,951				
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37) .....	96,551,154	88,453,213				
	Transfers to:						
40	Other provinces .....	...	...				
41	Distribution by transport (primary) .....	35,182,609	32,659,707				
42	Other gas utilities .....	11,914,978	11,916,856				
49	Total disposition (39 + 40 + 41 + 42) .....	143,648,741	133,029,776				

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



TABLE 3. Receipts and Disposition of Natural Gas by Source

February 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 .....	-	-	-	7,167,810	368,761	...	7,536,571
1b	Processing plants .....	-	-	-	45,692,117	10,091,473	...	55,783,590
2	By distribution systems:							
2a	Fields .....	12,259	1,886,872	643,944	5,153,114	12,850	...	7,709,039
2b	Processing plants .....	-	-	2,411,347	10,209,184	56,195	...	12,676,726
3	Total (1 + 2) .....	12,259	1,886,872	3,055,291	68,222,225	10,529,279	...	83,705,926
4	Imports .....	...	...	...	...	...	9,898	9,898
5	Other receipts(1) .....	-	-	-	18,340	-	...	18,340
6	Total net receipts (3 + 4 + 5) .....	12,259	1,886,872	3,055,291	68,240,565	10,529,279	9,898	83,734,164
7	Received from storage .....	-	4,539,092	110,269	69,688	-	...	4,719,049
9	Total supply of gas utilities (6 + 7) .....	12,259	6,425,964	3,165,560	68,310,253	10,529,279	9,898	88,453,213
	<u>Disposition</u>							
	Sales:							
23	British Columbia .....	-	-	-	1,034,721	3,169,530	-	4,204,251
24	Alberta .....	-	-	-	15,892,100	-	9,898	15,901,998
25	Saskatchewan .....	-	-	2,514,103	1,854,899	-	-	4,369,002
26	Manitoba .....	-	-	462,114	2,984,302	-	-	3,446,416
27	Ontario .....	-	6,402,364	-	14,341,815	-	-	20,744,179
28	Quebec .....	-	-	-	2,579,489	-	-	2,579,489
29	New Brunswick .....	6,720	-	-	-	-	-	6,720
30	Total sales (23 + 24 + 25 + 26 + 27 + 28 + 29)	6,720	6,402,364	2,976,217	38,687,326	3,169,530	9,898	51,252,055
31	Exports .....	-	-	-	27,200,459	7,009,812	...	34,210,271
32	Other deliveries .....	-	-	-	211,370	-	...	211,370
33	Total net deliveries (30 + 31 + 32) .....	6,720	6,402,364	2,976,217	66,099,155	10,179,342	9,898	85,673,696
34	Delivered to storage .....	-	-	264,829	479,448	-	-	744,277
35	Line pack fluctuation .....	-	-	6	- 1,017	11,548	-	10,537
36	Gas used in system .....	-	37,180	50,479	2,369,769	188,226	-	2,645,654
37	Line losses and unaccounted for .....	5,539	- 13,580	- 125,971	- 637,102	150,163	-	- 620,951
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37) .....	12,259	6,425,964	3,165,560	68,310,253	10,529,279	9,898	88,453,213

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

TABLE 4. Operating Statistics: Natural Gas Utilities

February 1964

	Natural gas transport systems	Natural gas distribution systems	Total natural gas utilities
<b>Daily sendouts (Mcf.):</b>			
February 1964:			
Daily average .....	2,305,861	1,767,312	2,979,930
Maximum(1) .....	2,634,737	...	...
Minimum(1) .....	2,186,067	...	...
Exports maximum(1) .....	1,216,527	...	1,216,527
February 1963 <sup>F</sup> :			
Daily average .....	2,122,575	1,859,807	2,944,360
Maximum(1) .....	2,487,531	...	...
Minimum(1) .....	1,915,081	...	...
Year to date 1964:			
Daily average .....	2,306,576	1,825,548	3,031,360
Maximum(1) .....	2,732,436	...	...
Minimum(1) .....	2,087,418	...	...
<b>Commodity miles:</b>			
Mcf. miles (thousands) .....	55,632,078	..	..
Ton-miles (millions) .....	1,268	..	..
<b>Line pack:</b>			
Beginning of month (Mcf.) .....	6,574,984	..	..
End of month (Mcf.) .....	6,594,169	..	..
Operating revenues .....	(\$)20,563,991	(\$)36,953,097	(\$)46,449,556(2)

(1) Non-coincident.

(2) Interindustry revenues eliminated.

.. Figures not available.

... Figures not appropriate or not applicable.

<sup>F</sup> Revised figures.

TABLE 5. Manufactured and Liquefied Petroleum Gases Utilities

Receipts and Disposition

February 1964

	Manufactured	Liquefied petroleum gases
	Mcf.	
Gas receipts .....	53,141	235,523
Deliveries to ultimate customers .....	53,547	219,483
Line pack fluctuations .....	-	- 2,810
Gas used in system .....	2,810	2,944
Metering difference, line losses, cyclical billing adjustments and unaccounted for .....	- 3,216	15,906
Total disposition .....	53,141	235,523
Daily average sendout .....	1,846	7,568
Revenues .....	(\$)44,477	(\$)183,169



TABLE 6. Exports and Imports to and from the United States  
February 1964

Customs port	Exports	Imports
	Mcf.	
Cornwall, Ontario .....	129,363	-
Ojibway, Ontario .....	-	-
Emerson, Manitoba .....	5,961,799	-
Coutts, Alberta .....	22	9,898
Aden, Alberta .....	1,382,489	-
Carway, Alberta .....	847,615	-
Kingsgate, British Columbia - U.S.A. District V South(1)	12,842,988	-
Other U.S.A. ....	4,219,071	-
Huntingdon, British Columbia .....	8,826,924	-
Canada - 1964 .....	34,210,271	9,898
1963 .....	29,721,885	166,149

(1) California, Nevada, Arizona.