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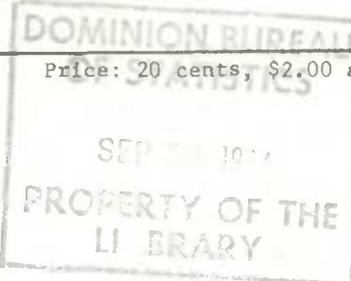
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GAS UTILITIES  
(Transport and Distribution Systems)

JUNE 1964



During June 1964 natural gas received by gas utilities from field gathering systems and processing plants totalled 64,437,976 Mcf. The transport systems accounted for 51,917,363 Mcf., and the distribution systems 12,520,613 Mcf. Receipts of natural gas from storage was 125,708 Mcf. The total supply of gas utilities was 65,392,635 Mcf., up 10.6 per cent over June 1963. Of the total supply, 31,546,602 Mcf. were sold to ultimate customers in Canada, an increase of 13.7 per cent, while exports rose 11.4 per cent to 29,084,975 Mcf. The difference between gas supply and deliveries was accounted for by losses including cyclical billing adjustments, line pack changes and deliveries to storage. The distribution systems received from the transport systems 19,896,518 Mcf. of natural gas, an increase of 17.4 per cent. For the twelve-month period ended June 1964 exports totalled 376,762,197 Mcf., while net deliveries amounted to 854,054,191 Mcf.

The transport systems which represent virtually all of the major "intercity" movements of natural gas had traffic amounting to 50.0 billion commodity (Mcf.) miles during June compared with 43.9 billion last year. Ton-miles totalled 1,139 million for June 1964. The daily average deliveries of gas utilities amounted to 2.2 million Mcf.

Utility receipts of natural gas produced in Alberta totalled 54.7 billion cubic feet; of this 21.0 per cent was sold to ultimate customers in Ontario, 17.0 per cent in Alberta, 5.0 per cent in Quebec, 1.9 per cent in Saskatchewan, 1.7 per cent in Manitoba and 1.1 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 \$26,645,047 and for manufactured and liquefied petroleum gases systems \$154,381, giving a combined Gas Utilities total of \$26,799,428.

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" include 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

September 1964  
6511-509

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

June 1964

No.		New <sup>r</sup> Brunswick	Quebec	Ontario
			Mcf.	
	<u>Receipts</u>			
1	By transport systems:			
1a	Fields .....	-	-	-
1b	Processing plants .....	-	-	-
2	By distribution systems:			
2a	Fields .....	6,293	-	764,647
2b	Processing plants .....	-	-	-
3	Total (1 + 2) .....	6,293	-	764,647
4	Imports .....	-	-	823,719
5	Other receipts(1) .....	-	-	-
6	Total net receipts (3 + 4 + 5) .....	6,293	-	1,588,366
7	Received from storage .....	-	-	106,541
9	Total supply of gas utilities (6 + 7) .....	6,293	-	1,694,907
	Transfers from:			
11	Other provinces .....	-	2,771,472	17,305,176
12	Distribution to transport (primary) .....	-	-	1,309,956
13	Other gas utilities .....	-	2,771,472	18,068,401
19	Total gross receipts (9 + 11 + 12 + 13) ...	6,293	5,542,944	38,378,479
	<u>Disposition</u>			
	Sales:			
20	Residential .....	4,285	294,988	2,635,517
21	Industrial .....	-	2,356,305	9,422,217
22	Commercial .....	-	113,590	1,132,816
30	Total sales (20 + 21 + 22) .....	4,285	2,764,883	13,190,550
31	Exports .....	-	-	146,791
32	Other deliveries .....	-	-	24
33	Total net deliveries (30 + 31 + 32) .....	4,285	2,764,883	13,337,365
34	Delivered to storage .....	-	-	3,049,512
35	Line pack fluctuation .....	-	- 856	51,956
36	Gas used in system .....	-	4,485	796,047
37	Line losses and unaccounted for .....	2,008	2,960	- 1,006,269
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37) .....	6,293	2,771,472	16,228,611
	Transfers to:			
40	Other provinces .....	-	-	2,771,472
41	Distribution by transport (primary) .....	-	2,771,472	12,546,819
42	Other gas utilities .....	-	-	6,831,568
49	Total disposition (39 + 40 + 41 + 42) .....	6,293	5,542,944	38,378,470

(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

June 1964

Manitoba	Saskatchewan	Alberta	British Columbia	Canada	June <sup>F</sup> 1963	No.
					Canada	
			Mcf.			
-	-	5,173,113	189,400	5,362,513	4,233,254	1a
-	-	39,645,635	6,909,215	46,554,850	41,084,269	1b
-	351,745	2,255,980	8,383	3,387,048	3,383,024	2a
-	1,546,431	7,573,011	14,123	9,133,565	9,546,146	2b
-	1,898,176	54,647,739	7,121,121	64,437,976	58,246,693	3
-	-	2,726	-	826,445	828,262	4
402	-	2,104	-	2,506	4,042	5
402	1,898,176	54,652,569	7,121,121	65,266,927	59,078,997	6
-	6,582	12,585	-	125,708	39,489	7
402	1,904,758	54,665,154	7,121,121	65,392,635	59,118,486	9
24,224,355	25,767,306	-	16,609,330	...	...	11
-	477,147	339,781	-	2,126,914	4,400,065	12
1,035,347	1,230,697	2,555,426	2,204,385	27,865,728	24,171,023	13
25,260,104	29,379,908	57,560,361	25,934,836	95,385,277	87,689,574	19
349,360	593,756	1,553,312	611,012	6,042,230	5,602,252	20
642,676	2,014,436	6,539,537	1,363,699	22,338,870	19,364,972	21
238,220	243,986	1,203,792	233,098	3,165,502	2,786,605	22
1,230,256	2,852,178	9,296,641	2,207,809	31,546,602	27,753,829	30
5,466,960	-	2,137,983	21,333,241	29,084,975	26,118,308	31
-	-	530,422	-	530,446	52,586	32
6,697,216	2,852,178	11,965,046	23,541,050	61,162,023	53,924,723	33
-	366,627	681,662	-	4,097,801	5,862,640	34
11,985	- 5,208	- 10,989	- 89,128	- 42,240	- 159,822	35
341,842	726,285	75,974	140,474	2,085,107	1,475,841	36
- 131,462	- 492,173	- 423,175	138,055	- 1,910,056	- 1,984,896	37
6,919,581	3,447,709	12,288,518	23,730,451	65,392,635	59,118,486	39
17,305,176	24,224,355	42,376,636	-	...	...	40
1,035,347	1,230,697	144,114	2,168,069	19,896,518	16,947,007	41
-	477,147	2,751,093	36,316	10,096,124	11,624,081	42
25,260,104	29,379,908	57,560,361	25,934,836	95,385,277	87,689,574	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	8,123,028	7,079,847	5,997,558
1b	Processing plants .....	59,356,924	55,783,590	57,861,379	52,875,619	48,477,588
2	By distribution systems:					
2a	Fields .....	8,618,465	7,709,039	10,057,374	6,890,691	4,238,638
2b	Processing plants .....	14,340,369	12,676,726	12,782,801	10,624,256	10,474,666
3	Total (1 + 2) .....	90,397,955	83,705,926	88,824,582	77,470,413	69,188,450
4	Imports .....	12,330	9,898	11,539	1,655,234	2,848,426
5	Other receipts(1) .....	65,536	18,340	9,929	6,061	5,218
6	Total net receipts (3 + 4 + 5) .....	90,475,821	83,734,164	88,846,050	79,131,708	72,042,094
7	Received from storage .....	6,075,333	4,719,049	3,700,955	1,155,624	511,497
9	Total supply of gas utilities (6 + 7) .....	96,551,154	88,453,213	92,547,005	80,287,332	72,553,591
	Transfers from:					
11	Other provinces .....	...	...	...	...	...
12	Distribution to transport (primary) .....	1,115,736	1,065,673	2,523,361	1,497,515	2,826,438
13	Other gas utilities .....	45,981,851	43,510,890	44,137,604	36,752,124	30,505,887
19	Total gross receipts (9 + 11 + 12 + 13) .....	143,648,741	133,029,776	139,207,970	118,536,971	105,885,936
	<u>Disposition</u>					
	Sales:					
20	Residential .....	26,037,617	22,076,532	20,845,693	18,366,182	10,050,433
21	Industrial .....	20,146,835	18,948,525	20,767,171	21,562,713	21,454,147
22	Commercial .....	12,098,782	10,226,998	10,091,415	8,849,161	5,137,351
30	Total sales (20 + 21 + 22) .....	58,283,234	51,252,055	51,704,279	48,778,056	36,641,931
31	Exports .....	36,341,974	34,210,271	34,637,621	32,295,319	31,550,953
32	Other deliveries .....	241,750	211,370	390,420	807,823	507,228
33	Total net deliveries (30 + 31 + 32) .....	94,866,958	85,673,696	86,732,320	81,881,198	68,700,112
34	Delivered to storage .....	599,075	744,277	665,295	2,783,382	5,536,497
35	Line pack fluctuation .....	- 35,828	10,537	- 80,392	92,806	- 14,974
36	Gas used in system .....	2,671,670	2,645,654	2,832,444	2,495,544	1,806,775
37	Line losses and unaccounted for .....	- 1,550,721	- 620,951	2,397,338	- 6,965,598	- 3,474,819
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37) .....	96,551,154	88,453,213	92,547,005	80,287,332	72,553,591
	Transfers to:					
40	Other provinces .....	...	...	...	...	...
41	Distribution by transport (primary) .....	35,182,609	32,659,707	33,754,997	26,598,833	21,555,551
42	Other gas utilities .....	11,914,978	11,916,856	12,905,968	11,650,806	11,776,794
49	Total disposition (39 + 40 + 41 + 42) .....	143,648,741	133,029,776	139,207,970	118,536,971	105,885,936

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

TABLE 7. Receipts and Disposition of Natural Gas Utilities by Month, Canada, 1964

June	July	August	September	October	November	December	Year to date		No.
							1964	1963 <sup>F</sup>	
Mcf.									
5,362,513							42,181,714	37,201,052	1a
46,554,850							320,909,950	282,686,225	1b
3,387,048							40,901,255	40,957,194	2a
9,133,565							70,032,383	67,825,222	2b
64,437,976							474,025,302	428,669,693	3
826,445							5,363,872	4,196,672	4
2,506							107,590	146,215	5
65,266,927							479,496,764	433,012,580	6
125,708							16,288,166	17,636,492	7
65,392,635							495,784,930	450,649,072	9
...							...	...	11
2,110,814							11,155,657	23,900,456	12
17,865,728							228,754,084	199,972,821	13
95,385,277							735,694,671	674,522,349	19
6,042,230							103,418,687	97,387,675	20
22,338,870							125,218,261	113,834,205	21
3,165,502							49,569,209	44,419,781	22
31,546,602							278,206,157	255,641,661	30
29,084,975							198,121,113	180,965,176	31
530,446							2,689,037	390,895	32
61,162,023							479,016,307	436,997,732	33
4,097,801							14,426,327	13,653,008	34
- 42,240							- 70,091	- 108,890	35
2,085,107							14,537,194	10,488,426	36
- 1,910,056							- 12,124,807	- 10,381,204	37
65,392,635							495,784,930	450,649,072	39
...							...	...	40
13,896,518							169,648,215	153,048,357	41
10,096,124							70,261,526	70,824,920	42
95,385,277							735,694,671	674,522,349	49

TABLE 3. Receipts and Disposition of Natural Gas by Source

June 1966

No.		New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Imports from U.S.A.	Total
					Mcf.			
	<u>Receipts</u>							
1	By transport systems:							
1a	Fields .....	-	-	-	5,173,113	189,400	...	5,362,513
1b	Processing plants .....	-	-	-	39,645,635	6,909,215	...	46,554,850
2	By distribution systems:							
2a	Fields .....	6,293	764,647	351,745	2,255,980	8,383	...	3,387,048
2b	Processing plants .....	-	-	1,546,431	7,573,011	14,123	...	9,133,565
3	Total (1 + 2) .....	6,293	764,647	1,898,176	54,647,739	7,121,121	...	64,437,976
4	Imports .....	...	...	...	...	...	826,445	826,445
5	Other receipts(1) .....	-	-	-	2,506	-	...	2,506
6	Total net receipts (3 + 4 + 5) .....	6,293	764,647	1,898,176	54,650,245	7,121,121	826,445	65,266,927
7	Received from storage .....	-	106,541	6,582	12,585	-	...	125,708
9	Total supply of gas utilities (6 + 7) .....	6,293	871,188	1,904,758	54,662,830	7,121,121	826,445	65,392,635
	<u>Disposition</u>							
	Sales:							
23	British Columbia .....	-	-	-	579,667	1,628,142	-	2,207,809
24	Alberta .....	-	-	-	9,293,915	-	2,726	9,296,641
25	Saskatchewan .....	-	-	1,819,969	1,032,209	-	-	2,852,178
26	Manitoba .....	-	-	272,984	957,272	-	-	1,230,256
27	Ontario .....	-	899,783	-	11,467,048	-	823,719	13,190,550
28	Quebec .....	-	-	-	2,764,883	-	-	2,764,883
29	New Brunswick .....	4,285	-	-	-	-	-	4,285
30	Total sales (23 + 24 + 25 + 26 + 27 + 28 + 29)	4,285	899,783	2,092,953	26,094,994	1,628,142	826,445	31,546,602
31	Exports .....	-	-	-	23,712,272	5,372,703	...	29,084,975
32	Other deliveries .....	-	-	-	530,446	-	...	530,446
33	Total net deliveries (30 + 31 + 32) .....	4,285	899,783	2,092,953	50,337,712	7,000,845	826,445	61,162,023
34	Delivered to storage .....	-	-	366,627	3,731,174	-	-	4,097,801
35	Line pack fluctuation .....	-	-	- 21,188	35,835	- 56,887	-	- 42,240
36	Gas used in system .....	-	77,803	42,599	1,885,620	79,085	-	2,085,107
37	Line losses and unaccounted for .....	2,008	- 106,398	- 576,233	- 1,327,511	98,078	-	- 1,910,038
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37) .....	6,293	871,188	1,904,758	54,662,830	7,121,121	826,445	65,392,635

(1) Includes peak shaving and enrichment.

... Figures not appropriate or not applicable.

TABLE 4. Operating Statistics: Natural Gas Utilities

June 1964

	Natural gas transport systems	Natural gas distribution systems	Total natural gas utilities
<b>Daily sendouts (Mcf.):</b>			
June 1964:			
Daily average .....	1,632,716	1,051,553	2,175,327
Maximum(1) .....	2,024,561	...	...
Minimum(1) .....	1,467,262	...	...
Exports maximum(1) .....	1,138,625	...	1,138,625
June 1963 <sup>r</sup> :			
Daily average .....	1,435,511	925,128	1,992,912
Maximum(1) .....	1,762,660	...	...
Minimum(1) .....	1,134,536	...	...
Year to date 1964:			
Daily average .....	2,020,711	1,528,605	2,711,223
Maximum(1) .....	2,732,436	...	...
Minimum(1) .....	1,467,262	...	...
<b>Commodity miles:</b>			
Mcf. miles (thousands) .....	49,965,751 <sup>✓</sup>	..	..
Ton-miles (millions) .....	1,139	..	..
<b>Line pack:</b>			
Beginning of month (Mcf.) .....	6,596,251	..	..
End of month (Mcf.) .....	6,572,499	..	..
Operating revenues .....	(\$)16,755,665	(\$)18,195,298	(\$)26,645,047(2)

(1) Non-coincident.

(2) Interindustry revenues eliminated.

.. Figures not available.

... Figures not appropriate or not applicable.

<sup>r</sup> Revised figures.

TABLE 5. Manufactured and Liquefied Petroleum Gases Utilities

Receipts and Disposition

June 1964

	Manufactured	Liquefied petroleum gases
	Mcf.	
Gas receipts .....	55,734	128,549
Deliveries to ultimate customers .....	55,906	112,828
Line pack fluctuations .....	-	620
Gas used in system .....	- 620	1,614
Metering difference, line losses, cyclical billing adjustments and unaccounted for .....	448	13,487
Total disposition .....	55,734	128,549
Daily average sendout .....	1,864	3,761
Revenues .....	(\$)39,295	(\$)115,086



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

June 1964

Customs port	Exports	Imports
	Mcf.	
Cornwall, Ontario .....	146,791	-
Ojibway, Ontario .....	-	823,719
Emerson, Manitoba .....	5,466,960	-
Coutts, Alberta .....	174	2,726
Aden, Alberta .....	1,260,857	-
Carway, Alberta .....	876,952	-
Kingsgate, British Columbia - U.S.A. District V South(1)	11,509,174	-
Other U.S.A. ....	3,006,670	-
Huntingdon, British Columbia .....	6,817,397	-
Canada - 1964 .....	29,084,975	826,445
1963 .....	26,118,308	828,262

(1) California, Nevada, Arizona.