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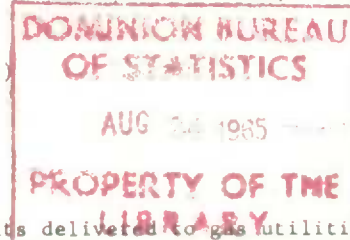
Published by Authority of the Minister of Trade and Commerce

Vol. 7, No. 5

Price: 20 cents, \$2.00 a year

GAS UTILITIES
(Transport and Distribution Systems)

MAY 1965



During May 1965 field gathering systems and processing plants delivered to gas utilities 77,756,769 Mcf. of natural gas. The transport systems accounted for 62,699,573 Mcf. and the distribution systems 15,057,196 Mcf. Natural gas recovered from storage was 42,491 Mcf. The total supply of gas utilities amounted to 79,446,938 Mcf., 10.0 per cent higher than in May 1964. Of the total supply, 39,990,975 Mcf. were sold to ultimate customers in Canada, an increase of 9.1 per cent. Exports decreased 1.3 per cent to 31,144,131 Mcf. from 31,550,953 Mcf. last year. The difference between gas supply and deliveries was accounted for by losses including cyclical billing adjustments, line pack changes and deliveries to storage. For the twelve-month period ended May 1965 exports totalled 393,775,916 Mcf., while net deliveries amounted to 938,632,222 Mcf.

Transport system traffic which represents virtually all of the major "intercity" movements of natural gas, amounted to 61.1 billion commodity (Mcf.) miles (1,394 million ton-miles) during May 1965 compared with 52.0 billion (1,185 million ton-miles) last year. The daily average deliveries of gas utilities amounted to 2.6 million Mcf.

Alberta natural gas utility receipts totalled 64.3 billion cubic feet; of this, 20.4 per cent was sold to ultimate customers in Ontario, 18.0 per cent in Alberta, 3.2 per cent in Saskatchewan, 3.0 per cent in Quebec, 2.4 per cent in Manitoba and 1.2 per cent in British Columbia. Exports accounted for 38.1 per cent while the remaining 13.7 per cent was other deliveries, deliveries to storage, line pack changes, gas used in systems and line losses and unaccounted for. 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.

All gas volumes are given in thousand cubic feet measured at 14.73 p.s.i.a. at 60°F; that is, without adjustments to a common B.T.U. base. Gas sales and exports containing 1,000 B.T.U.'s per cubic foot 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

August 1965
6511-509

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

May 1965

No.	New Brunswick	Quebec	Ontario
		Mcf.	
	Receipts		
1	By transport systems:		
1a	Fields	-	-
1b	Processing plants	-	-
2	By distribution systems:		
2a	Fields	7,096	994,208
2b	Processing plants	-	-
3	Total (1 + 2)	7,096	994,208
4	Imports	-	1,638,801
5	Other receipts(1)	-	-
6	Total net receipts (3 + 4 + 5)	7,096	2,633,009
7	Received from storage	-	7,171
9	Total supply of gas utilities (6 + 7)	7,096	2,640,180
	Transfers from:		
11	Other provinces	-	21,776,457
12	Distribution to transport (primary)	1,980,394	-
13	Other gas utilities	1,980,394	25,525,871
19	Total gross receipts (9 + 11 + 12 + 13) ...	7,096	3,960,788
	Disposition		
	Sales:		
20	Residential	4,594	5,094,769
21	Industrial	-	8,892,370
22	Commercial	-	125,037
30	Total sales (20 + 21 + 22)	4,594	16,088,388
31	Exports	-	218,608
32	Other deliveries	-	105
33	Total net deliveries (30 + 31 + 32)	4,594	16,307,101
34	Delivered to storage	-	7,322,698
35	Line pack fluctuation	-	- 476
36	Gas used in system	-	1,828
37	Line losses and unaccounted for	2,502	71,462
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	7,096	22,436,243
	Transfers to:		
40	Other provinces	-	1,980,394
41	Distribution by transport (primary)	-	18,359,688
42	Other gas utilities	-	7,166,183
49	Total disposition (39 + 40 + 41 + 42)	7,096	3,960,788

(1) Includes peak shaving and enrichment.

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

May 1965

Manitoba	Saskatchewan	Alberta	British Columbia	Canada	May ^T 1964	No.
					Canada	
			Mcf.			
-	-	8,352,254	339,421	8,691,675	5,997,558	1a
-	82,027	44,506,333	9,419,538	54,007,898	48,223,595	1b
-	936,981	3,989,153	9,558	5,936,996	4,238,638	2a
-	1,715,161	7,379,514	25,525	9,120,200	10,432,023	2b
-	2,734,169	64,227,254	9,794,042	77,756,769	68,891,814	3
-	-	5,586	-	1,644,387	2,848,467	4
3,291	-	-	-	3,291	5,218	5
3,291	2,734,169	64,232,840	9,794,042	79,404,447	71,745,499	6
-	-	35,320	-	42,491	511,497	7
3,291	2,734,169	64,268,160	9,794,042	79,446,938	72,256,996	9
30,338,476	33,267,726	-	16,232,835	...	...	11
-	580,941	-	-	580,941	2,826,458	12
1,606,042	2,162,298	2,968,412	3,618,675	37,861,692	30,505,887	13
31,947,809	38,745,134	67,236,572	29,645,552	117,889,571	105,589,341	19
761,081	1,298,603	2,418,565	918,181	10,916,575	10,050,433	20
587,589	2,965,440	6,988,784	2,255,817	23,051,761	21,454,147	21
561,020	672,439	2,159,883	403,011	6,022,639	5,137,351	22
1,909,690	4,936,482	11,567,232	3,577,009	39,990,975	36,641,931	30
6,336,138	-	2,528,370	22,061,015	31,144,131	31,550,953	31
-	-	165,126	-	165,231	210,592	32
8,245,828	4,936,482	14,260,728	25,638,024	71,300,337	68,403,476	33
-	631,806	515,146	-	8,469,650	5,536,497	34
- 26,805	- 44,466	- 66,367	89,322	- 176,112	- 14,974	35
641,033	1,316,118	64,365	217,320	3,679,541	1,806,775	36
- 294,746	- 1,176,521	- 6,273	82,211	- 3,826,478	- 3,474,778	37
8,565,310	5,663,419	14,767,599	26,026,877	79,446,938	72,256,996	39
21,776,457	30,338,476	49,500,561	-	...	...	40
1,606,042	2,162,298	630,879	3,553,066	28,292,367	21,555,551	41
-	580,941	2,337,533	65,609	10,150,266	11,776,794	42
31,947,809	38,745,134	67,236,572	29,645,552	117,889,571	105,589,341	49

^T Revised figures.

... Figures not appropriate or not applicable.

TABLE 2. Receipts and Disposition of Natural Gas Utilities by Month, Canada, 1965

No.		January	February	March	April	May
				Mcf.		
	<u>Receipts</u>					
1	By transport systems:					
1a	Fields	9,501,869	8,516,793	9,392,412	8,194,140	8,691,675
1b	Processing plants	66,414,486	59,104,199	65,873,223	57,618,477	54,007,898
2	By distribution systems:					
2a	Fields	11,599,671	9,923,069	10,077,510	7,415,713 ^r	5,936,996
2b	Processing plants	13,300,645	11,946,834	12,503,035	10,194,599 ^r	9,120,200
3	Total (1 + 2)	100,816,671	89,490,895	97,846,180	83,422,929	77,756,769
4	Imports	135,283	315,150	206,733	1,168,255	1,644,387
5	Other receipts(1)	108,455	150,362	91,024	3,354	3,291
6	Total net receipts (3 + 4 + 5)	101,060,409	89,956,407	98,143,937	84,594,538	79,404,447
7	Received from storage	9,325,261	8,080,872	5,932,988	1,942,698	42,491
9	Total supply of gas utilities (6 + 7)	110,385,670	98,037,279	104,076,925	86,537,236	79,446,938
	Transfers from:					
11	Other provinces .....	...	...	...	...	...
12	Distribution to transport (primary)	1,326,126	1,345,539	1,375,707	774,032	580,941
13	Other gas utilities	56,220,795	48,080,279	52,134,143	40,405,393	37,861,692
19	Total gross receipts (9 + 11 + 12 + 13) ...	167,932,591	147,463,097	157,586,775	127,716,661	117,889,571
	<u>Disposition</u>					
	Sales:					
20	Residential	29,564,161	27,804,708	24,025,847	20,195,973	10,916,575
21	Industrial	22,496,815	20,489,107	23,186,229	23,542,770	23,051,761
22	Commercial	14,542,607	13,306,364	12,475,660	10,457,989	6,022,639
30	Total sales (20 + 21 + 22)	66,603,583	61,600,179	59,687,736	54,196,732	39,990,975
31	Exports	36,599,820	33,845,506	37,040,549	31,942,619	31,144,131
32	Other deliveries	246,532	212,825	207,937	177,239	165,231
33	Total net deliveries (30 + 31 + 32)	103,449,935	95,658,510	96,936,222	86,316,590	71,300,337
34	Delivered to storage	493,946	502,380	638,140	1,750,751	8,469,650
35	Line pack fluctuation	43,367	255,996	34,978	18,698	- 176,112
36	Gas used in system	4,221,592	3,438,398	4,434,614	3,817,187	3,679,541
37	Line losses and unaccounted for	2,176,830	- 1,818,005	2,032,971	- 5,365,990	- 3,826,478
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	110,385,670	98,037,279	104,076,925	86,537,236	79,446,938
	Transfers to:					
40	Other provinces .....	...	...	...	...	...
41	Distribution by transport (primary)	44,305,816	38,417,169	40,398,962	25,546,203	28,292,367
42	Other gas utilities	13,241,105	11,008,649	13,110,888	15,633,222	10,150,266
49	Total disposition (39 + 40 + 41 + 42)	167,932,591	147,463,097	157,586,775	127,716,661	117,889,571

(1) Includes peak shaving and enrichment.

TABLE 2. Receipts and Disposition of Natural Gas Utilities by Month, Canada, 1965

June	July	August	September	October	November	December	Year to date		No.
							1965	1964 [†]	
				Mcf.					
							44,296,889	36,819,201	1a
							303,018,283	273,557,111	1b
							44,952,959	37,514,207	2a
							57,065,313	60,804,580	2b
							449,333,444	408,695,099	3
							3,469,808	4,538,275	4
							356,486	105,084	5
							453,159,738	413,338,458	6
							25,324,310	16,162,458	7
							478,484,048	429,500,916	9
							11
							5,402,345	9,028,743	12
							234,702,302	200,888,356	13
							718,588,695	639,418,015	19
							112,507,264	97,376,457	20
							112,766,682	102,879,391	21
							56,805,259	46,403,707	22
							282,079,205	246,659,555	30
							170,572,625	169,036,138	31
							1,009,764	1,266,364	32
							453,661,594	416,962,057	33
							11,854,867	10,328,526	34
							176,927	- 27,851	35
							19,591,332	12,452,087	36
							- 6,800,672	-10,213,903	37
							478,484,048	429,500,916	39
							40
							176,960,517	149,751,697	41
							63,144,130	60,165,402	42
							718,588,695	639,418,015	49

[†] Revised figures.

... Figures not appropriate or not applicable.

TABLE 3. Receipts and Disposition of Natural Gas by Source

May 1965

No.		New Brunswick	Ontario	Saskatchewan	Alberta	British Columbia	Imports from U.S.A.	Total
					Mcf.			
	<u>Receipts</u>							
1	By transport systems:							
1a	Fields	-	-	-	8,352,254	339,421	...	8,691,675
1b	Processing plants	-	-	82,027	44,506,333	9,419,538	...	54,007,898
2	By distribution systems:							
2a	Fields	7,096	994,208	936,981	3,989,153	9,558	...	5,936,996
2b	Processing plants	-	-	1,715,161	7,379,514	25,525	...	9,120,200
3	Total (1 + 2)	7,096	994,208	2,734,169	64,227,254	9,794,042	...	77,756,769
4	Imports	-	-	-	-	-	1,644,387	1,644,387
5	Other receipts(1)	-	-	-	3,291	-	...	3,291
6	Total net receipts (3 + 4 + 5)	7,096	994,208	2,734,169	64,230,545	9,794,042	1,644,387	79,404,447
7	Received from storage	-	7,171	-	35,320	-	...	42,491
9	Total supply of gas utilities (6 + 7)	7,096	1,001,379	2,734,169	64,265,865	9,794,042	1,644,387	79,446,938
	<u>Disposition</u>							
	Sales:							
23	British Columbia	-	-	-	773,692	2,803,317	-	3,577,009
24	Alberta	-	-	-	11,561,646	-	5,586	11,567,232
25	Saskatchewan	-	-	2,871,225	2,065,257	-	-	4,936,482
26	Manitoba	-	-	381,944	1,527,746	-	-	1,909,690
27	Ontario	-	1,366,934	-	13,082,653	-	1,638,801	16,088,388
28	Quebec	-	-	-	1,907,580	-	-	1,907,580
29	New Brunswick	4,594	-	-	-	-	-	4,594
30	Total sales (23 + 24 + 25 + 26 + 27 + 28 + 29)	4,594	1,366,934	3,253,169	30,918,574	2,803,317	1,644,387	39,990,975
31	Exports	-	-	-	24,490,122	6,654,009	-	31,144,131
32	Other deliveries	-	-	-	165,231	-	-	165,231
33	Total net deliveries (30 + 31 + 32)	4,594	1,366,934	3,253,169	55,573,927	9,457,326	1,644,387	71,300,337
34	Delivered to storage	-	-	631,806	7,837,844	-	-	8,469,650
35	Line pack fluctuation	-	-	- 8,726	- 265,801	98,415	-	- 176,112
36	Gas used in system	-	80,145	57,661	3,382,831	158,904	-	3,679,541
37	Line losses and unaccounted for	2,502	- 445,700	- 1,199,741	- 2,262,936	79,397	-	- 3,826,478
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	7,096	1,001,379	2,734,169	64,265,865	9,794,042	1,644,387	79,446,938

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

TABLE 4. Operating Statistics: Natural Gas Utilities

May 1965

	Natural gas transport systems	Natural gas distribution systems	Total natural gas utilities
Daily sendouts (Mcf.):			
May 1965:			
Daily average	1,917,306	1,290,031	2,573,225
Maximum(1)	2,161,398	...	...
Minimum(1)	1,747,491	...	...
Exports maximum(1)	1,161,679	...	1,161,679
May 1964:			
Daily average	1,713,113	1,181,998	2,385,160 ^r
Maximum(1)	2,198,750	...	...
Minimum(1)	1,524,682	...	...
Year to date 1965:			
Daily average	2,301,544	1,868,074	3,082,890
Maximum(1)	3,086,555	...	...
Minimum(1)	1,747,491	...	...
Commodity miles:			
Mcf. miles (thousands)	61,144,696	..	..
Ton-miles (millions)	1,394	..	..
Line pack:			
Beginning of month (Mcf.)	7,626,489	..	..
End of month (Mcf.)	7,480,998	..	..
Operating revenues .....	..	(\$)24,753,302	..

(1) Non-coincident.

^r Revised figure.

.. Figures not available.

... Figures not appropriate or not applicable.

TABLE 5. Manufactured and Liquefied Petroleum Gases Utilities

Receipts and Disposition

May 1965

	Manufactured	Liquefied petroleum gases
	Mcf.	
Gas receipts	56,235	81,704
Deliveries to ultimate customers	57,708	64,695
Line pack fluctuations	-	- 1,475
Gas used in system	2,073	830
Metering difference, line losses, cyclical billing adjustments and unaccounted for	- 3,546	17,654
Total disposition	56,235	81,704
Daily average sendout	1,862	2,087
Revenues	(\$)45,188	(\$)138,479



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- 8 -

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

May 1965

Customs port	Exports	Imports
	Mcf.	
Cornwall, Ontario	218,608	-
Niagara Falls	-	-
Ojibway, Ontario	-	1,638,801
Emerson, Manitoba	6,336,138	-
Coutts, Alberta	143	5,586
Aden, Alberta	1,635,804	-
Carway, Alberta	892,423	-
Kingsgate, British Columbia - U.S.A. District V South(1)	11,252,243	-
Other U.S.A.	2,664,270	-
Huntingdon, British Columbia	8,144,502	-
Canada - 1965	31,144,131	1,644,387
1964	31,550,953	2,848,467 ^r

(1) California, Nevada, Arizona.

^r Revised figures.