

CATALOGUE No.

55-002

MONTHLY

cl

Historical File Copy

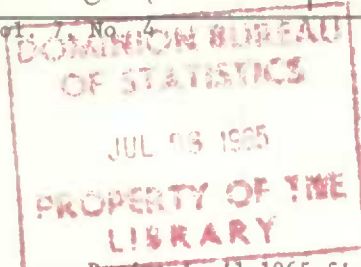
DOMINION BUREAU OF STATISTICS

OTTAWA - CANADA

Published by Authority of the Minister of Trade and Commerce

Vol. 7, No. 4

Price: 20 cents, \$2.00 a year



GAS UTILITIES (Transport and Distribution Systems)

APRIL 1965

During April 1965 field gathering systems and processing plants delivered to gas utilities 83,422,929 Mcf. of natural gas. The transport systems accounted for 65,812,617 Mcf. and the distribution systems 17,610,312 Mcf. Natural gas recovered from storage was 1,942,698 Mcf. The total supply of gas utilities amounted to 86,537,236 Mcf., 8.6 per cent higher than in April 1964. Of the total supply, 54,196,732 Mcf. were sold to ultimate customers in Canada, an increase of 11.1 per cent. Exports decreased 1.1 per cent to 31,942,619 Mcf. from 32,295,319 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 April 1965 exports totalled 394,182,738 Mcf., while net deliveries amounted to 935,735,361 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 April 1965 compared with 55.4 billion (1,262 million ton-miles) last year. The daily average deliveries of gas utilities amounted to 2.9 million Mcf.

Alberta natural gas utility receipts totalled 68.2 billion cubic feet; of this, 27.7 per cent was sold to ultimate customers in Ontario, 21.6 per cent in Alberta, 4.2 per cent in Manitoba, 3.8 per cent in Quebec, 3.7 per cent in Saskatchewan and 1.4 per cent in British Columbia. Exports accounted for 36.7 per cent while the remaining 0.9 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

July 1965
6511-509

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

April 1965

No.		New Brunswick	Quebec	Ontario
			Mcf.	
	<u>Receipts</u>			
1	By transport systems:			
1a	Fields	-	-	-
1b	Processing plants	-	-	-
2	By distribution systems:			
2a	Fields	8,834	-	1,225,190
2b	Processing plants	-	-	-
3	Total (1 + 2)	8,834	-	1,225,190
4	Imports	-	-	1,160,114
5	Other receipts(1)	-	-	-
6	Total net receipts (3 + 4 + 5)	8,834	-	2,385,304
7	Received from storage	-	-	1,858,543
9	Total supply of gas utilities (6 + 7)	8,834	-	4,243,847
	Transfers from:			
11	Other provinces	-	2,648,776	21,560,362
12	Distribution to transport (primary)	-	-	-
13	Other gas utilities	-	2,648,776	24,668,263
19	Total gross receipts (9 + 11 + 12 + 13)	8,834	5,297,552	50,472,474
	<u>Disposition</u>			
	Sales:			
20	Residential	5,737	807,573	9,735,126
21	Industrial	-	1,526,314	9,533,835
22	Commercial	-	234,056	4,070,879
30	Total sales (20 + 21 + 22)	5,737	2,567,943	23,339,840
31	Exports	-	-	267,098
32	Other deliveries	-	-	736
33	Total net deliveries (30 + 31 + 32)	5,737	2,567,943	23,607,674
34	Delivered to storage	-	-	844,446
35	Line pack fluctuation	-	6,639	135,285
36	Gas used in system	-	8,533	1,385,478
37	Line losses and unaccounted for	3,097	65,661	- 2,817,450
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	8,834	2,648,776	23,155,433
	Transfers to:			
40	Other provinces	-	-	2,648,776
41	Distribution by transport (primary)	-	2,648,776	12,386,274
42	Other gas utilities	-	-	12,281,991
49	Total disposition (39 + 40 + 41 + 42)	8,834	5,297,552	50,472,474

(1) Includes peak shaving and enrichment.

(2) December 1964, January, February and March 1965 receipts should have been from processing plants.

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

April 1965

Manitoba	Saskatchewan	Alberta	British Columbia	Canada	April 1964 ^F	No.
					Canada	
Mcf.						
-	-(2)	7,833,656	360,484	8,194,140	7,079,847	1a
-	73,125	46,991,517	10,553,835	57,618,477	52,331,623	1b
-	1,052,505	5,112,935	56,561	7,456,025	6,890,691	2a
-	1,915,262	8,239,025	-	10,154,287	10,572,661	2b
-	3,040,892	68,177,133	10,970,880	83,422,929	76,874,822	3
-	-	8,141	-	1,168,255	1,655,365	4
3,354	-	-	-	3,354	6,061	5
3,354	3,040,892	68,185,274	10,970,880	84,594,538	78,536,248	6
-	31,742	52,413	-	1,942,698	1,155,624	7
3,354	3,072,634	68,237,687	10,970,880	86,537,236	79,691,872	9
30,845,205	34,172,357	-	17,458,983	...	...	11
-	774,032	-	-	774,032	1,497,515	12
2,414,690	2,564,157	3,322,285	4,787,220	40,405,393	36,752,124	13
33,263,249	40,583,180	71,559,972	33,217,083	127,716,661	117,941,511	19
1,574,356	2,137,176	4,705,300	1,230,705	20,195,973	18,366,182	20
697,517	2,006,327	6,782,725	2,996,052	23,542,770	21,562,713	21
1,100,941	1,154,516	3,282,280	615,317	10,457,989	8,849,161	22
3,372,814	5,298,019	14,770,305	4,842,074	54,196,732	48,778,056	30
6,172,012	-	2,182,856	23,320,653	31,942,619	32,295,319	31
-	-	176,503	-	177,239	212,232	32
9,544,826	5,298,019	17,129,664	28,162,727	86,316,590	81,285,607	33
-	501,009	405,296	-	1,750,751	2,783,382	34
31,620	54,217	- 71,848	- 137,215	18,698	92,806	35
660,822	1,383,564	52,218	326,572	3,817,187	2,495,544	36
- 949,071	- 837,023	- 908,983	77,779	- 5,365,990	- 6,965,467	37
9,288,197	6,399,786	16,606,347	28,429,863	86,537,236	79,691,872	39
21,560,362	30,845,205	51,631,340	-	...	...	40
2,414,690	2,564,157	828,867	4,703,439	25,546,203	26,598,833	41
-	774,032	2,493,418	83,781	15,633,222	11,650,806	42
33,263,249	40,583,180	71,559,972	33,217,083	127,716,661	117,941,511	49

... Figures not appropriate or not applicable.

^F Revised figures.

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 ^T	8,516,793 ^T	9,392,412 ^F	8,194,140		
1b	Processing plants	66,414,486 ^T	59,104,199 ^T	65,873,223 ^T	57,618,477		
2	By distribution systems:						
2a	Fields	11,599,671	9,923,069	10,077,510	7,456,025		
2b	Processing plants	13,300,645	11,946,834	12,503,035	10,154,287		
3	Total (1 + 2)	100,816,671	89,490,895	97,846,180	83,422,929		
4	Imports	135,283	315,150	206,733	1,168,255		
5	Other receipts(1)	108,455	150,362	91,024	3,354		
6	Total net receipts (3 + 4 + 5)	101,060,409	89,956,407	98,143,937	84,594,538		
7	Received from storage	9,325,261	8,080,872	5,932,988	1,942,698		
9	Total supply of gas utilities (6 + 7)	110,385,670	98,037,279	104,076,925	86,537,236		
	<u>Transfers from:</u>						
11	Other provinces .....	...	...	...	...
12	Distribution to transport (primary)	1,326,126	1,345,539	1,375,707	774,032		
13	Other gas utilities	56,220,795	48,080,279	52,134,143	40,405,393		
19	Total gross receipts (9 + 11 + 12 + 13) ...	167,932,591	147,463,097	157,586,775	127,716,661		
	<u>Disposition</u>						
	<u>Sales:</u>						
20	Residential	29,564,161	27,804,708	24,025,847	20,195,973		
21	Industrial	22,496,815	20,489,107	23,186,229	23,542,770		
22	Commercial	14,542,607	13,306,364	12,475,660	10,457,989		
30	Total sales (20 + 21 + 22)	66,603,583	61,600,179	59,687,736	54,196,732		
31	Exports	36,599,820	33,845,506	37,040,549	31,942,619		
32	Other deliveries	246,532	212,825	207,937	177,239		
33	Total net deliveries (30 + 31 + 32)	103,449,935	95,658,510	96,936,222	86,316,590		
34	Delivered to storage	493,946	502,380	638,140	1,750,751		
35	Line pack fluctuation	43,367	255,996	34,978	18,698		
36	Gas used in system	4,221,592	3,438,398	4,434,614	3,817,187		
37	Line losses and unaccounted for	2,176,830	- 1,818,005	2,032,971	- 5,365,990		
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	110,385,670	98,037,279	104,076,925	86,537,236		
	<u>Transfers to:</u>						
40	Other provinces .....	...	...	...	...
41	Distribution by transport (primary)	44,305,816	38,417,169	40,398,962	25,546,203		
42	Other gas utilities	13,241,105	11,008,649	13,110,888	15,633,222		
49	Total disposition (39 + 40 + 41 + 42)	167,932,591	147,463,097	157,586,775	127,716,661		

(1) Includes peak shaving and enrichment.

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

June	July	August	September	October	November	December	Year to date		No.
							1965	1964 ^r	
Mcf.									
							35,605,214	30,821,643	1a
							249,010,385	225,333,516	1b
							39,056,275	33,275,569	2a
							47,904,801	50,372,557	2b
							371,576,675	339,803,285	3
							1,825,421	1,689,808	4
							353,195	99,866	5
							373,755,291	341,592,959	6
							25,281,819	15,650,961	7
							399,037,110	357,243,920	9
							11
							4,821,404	6,202,285	12
							196,840,610	170,382,469	13
							600,699,124	533,828,674	19
							101,590,689	87,326,024	20
							89,714,921	81,425,244	21
							50,782,620	41,266,356	22
							242,088,230	210,017,624	30
							139,428,494	137,485,185	31
							844,533	1,055,772	32
							382,361,257	348,558,581	33
							3,385,217	4,792,029	34
							353,039	- 12,877	35
							15,911,791	10,645,312	36
							- 2,974,194	- 6,739,125	37
							399,037,110	357,243,920	39
							40
							148,668,150	128,196,146	41
							52,993,864	48,388,608	42
							600,699,124	533,828,674	49

... Figures not appropriate or not applicable.
^r Revised figures.

TABLE 3. Receipts and Disposition of Natural Gas by Source

April 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	-	-	-	7,833,656	360,484	...	8,194,140	
1b	Processing plants	-	-	73,125	46,991,517	10,553,835	...	57,618,477	
2	By distribution systems:								
2a	Fields	8,834	1,225,190	1,052,505	5,112,935	56,561	...	7,456,025	
2b	Processing plants	-	-	1,915,262	8,239,025	-	...	10,154,287	
3	Total (1 + 2)	8,834	1,225,190	3,040,892	68,177,133	10,970,880	...	83,422,929	
4	Imports .....	...	...	...	...	...	1,168,255	1,168,255
5	Other receipts(1)	-	-	-	3,354	-	...	3,354	
6	Total net receipts (3 + 4 + 5)	8,834	1,225,190	3,040,892	68,180,487	10,970,880	1,168,255	84,594,538	
7	Received from storage	-	1,858,543	31,742	52,413	-	...	1,942,698	
9	Total supply of gas utilities (6 + 7)	8,834	3,083,733	3,072,634	68,232,900	10,970,880	1,168,255	86,537,236	
	<u>Disposition</u>								
	Sales:								
23	British Columbia	-	-	-	955,050	3,887,024	-	4,842,074	
24	Alberta	-	-	-	14,762,164	-	8,141	14,770,305	
25	Saskatchewan	-	-	2,800,002	2,498,017	-	-	5,298,019	
26	Manitoba	-	-	539,806	2,833,008	-	-	3,372,814	
27	Ontario	-	3,252,433	-	18,927,293	-	1,160,114	23,339,840	
28	Quebec	-	-	-	2,567,943	-	-	2,567,943	
29	New Brunswick	5,737	-	-	-	-	-	5,737	
30	Total sales (23 + 24 + 25 + 26 + 27 + 28 + 29)	5,737	3,252,433	3,339,808	42,543,475	3,887,024	1,168,255	54,196,732	
31	Exports	-	-	-	25,033,664	6,908,955	-	31,942,619	
32	Other deliveries	-	-	-	177,239	-	-	177,239	
33	Total net deliveries (30 + 31 + 32)	5,737	3,252,433	3,339,808	67,754,378	10,795,979	1,168,255	86,316,590	
34	Delivered to storage	-	-	501,009	1,249,742	-	-	1,750,751	
35	Line pack fluctuation	-	-	12,057	140,034	- 133,393	-	18,698	
36	Gas used in system	-	21,300	69,304	3,462,629	263,954	-	3,817,187	
37	Line losses and unaccounted for	3,097	- 190,000	- 849,544	- 4,373,883	44,340	-	- 5,365,990	
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	8,834	3,083,733	3,072,634	68,232,900	10,970,880	1,168,255	86,537,236	

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

TABLE 4. Operating Statistics: Natural Gas Utilities

April 1965

	Natural gas transport systems	Natural gas distribution systems	Total natural gas utilities
Daily sendouts (Mcf.):			
April 1965:			
Daily average	1,916,294	1,806,558	2,935,578
Maximum(1)	2,272,131	...	...
Minimum(1)	1,843,272	...	...
Exports maximum(1)	1,177,560	...	1,177,560
April 1964:			
Daily average	1,963,138	1,625,935	2,802,300
Maximum(1)	2,513,595	...	...
Minimum(1)	1,873,122	...	...
Year to date 1965:			
Daily average	2,400,805	2,017,402	3,214,554
Maximum(1)	3,086,555	...	...
Minimum(1)	1,843,272	...	...
Commodity miles:			
Mcf. miles (thousands)	61,144,829	..	..
Ton-miles (millions)	1,394	..	..
Line pack:			
Beginning of month (Mcf.)	7,624,775	..	..
End of month (Mcf.)	7,626,489	..	..
Operating revenues .....	..	(\$)37,143,589	..

(1) Non-coincident.

.. Figures not available.

... Figures not appropriate or not applicable.

TABLE 5. Manufactured and Liquefied Petroleum Gases Utilities

Receipts and Disposition

April 1965

	Manufactured	Liquefied petroleum gases
	Mcf.	
Gas receipts	58,771	107,624
Deliveries to ultimate customers	56,634	90,031
Line pack fluctuations	-	- 1,235
Gas used in system	1,256	1,237
Metering difference, line losses, cyclical billing adjustments and unaccounted for	881	17,591
Total disposition	58,771	107,624
Daily average sendout	1,888	3,001
Revenues	(\$)39,025	(\$)171,324



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

April 1965

Customs port	Exports	Imports
	Mcf.	
Cornwall, Ontario	267,098	-
Niagara Falls	-	-
Ojibway, Ontario	-	1,160,114
Emerson, Manitoba	6,172,012	-
Coutts, Alberta	198	8,141
Aden, Alberta	1,340,144	-
Carway, Alberta	842,514	-
Kingsgate, British Columbia - U.S.A. District V South(1)	11,715,185	-
Other U.S.A.	3,197,927	-
Huntingdon, British Columbia	8,407,541	-
Canada - 1965	31,942,619	1,168,255
1964	32,295,319	1,655,365 ^F

(1) California, Nevada, Arizona.

^F Revised figures.