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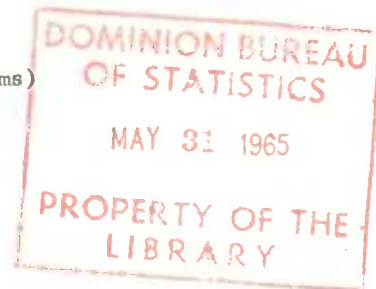
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GAS UTILITIES  
(Transport and Distribution Systems)

FEBRUARY 1965



During February 1965 field gathering systems and processing plants delivered to gas utilities 89,490,895 Mcf. of natural gas. The transport systems accounted for 67,620,992 Mcf. and the distribution systems 21,869,903 Mcf. Natural gas recovered from storage was 8,080,872 Mcf. The total supply of gas utilities amounted to 98,037,279 Mcf., 10.8 per cent higher than in February 1964. Of the total supply, 61,600,179 Mcf. were sold to ultimate customers in Canada, an increase of 20.2 per cent. Exports decreased 1.1 per cent to 33,845,506 Mcf. from 34,210,271 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. The distribution systems received from the transport systems 38,417,169 Mcf. of natural gas, an increase of 17.6 per cent. For the twelve-month period ended February 1965, exports totalled 392,132,510 Mcf., while net deliveries amounted to 920,500,476 Mcf.

Transport system traffic which represents virtually all of the major "intercity" movements of natural gas, amounted to 60.1 billion commodity (Mcf.) miles (1,370 million ton-miles) during February 1965 compared with 55.6 billion (1,268 million ton-miles) last year. The daily average deliveries of gas utilities amounted to 3.4 million Mcf.

Alberta natural gas utility receipts totalled 73.8 billion cubic feet; of this, 24.6 per cent was sold to ultimate customers in Alberta, 21.2 per cent in Ontario, 5.3 per cent in Manitoba, 4.0 per cent in Quebec, 3.7 per cent in Saskatchewan and 1.4 per cent in British Columbia. Exports accounted for 36.2 per cent while the remaining 3.6 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 at 14.73 p.s.i.a. at 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

May 1965  
6511-509

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

February 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 .....	11,809	-	1,296,058
2b	Processing plants .....	-	-	-
3	Total (1 + 2) .....	11,809	-	1,296,058
4	Imports .....	-	-	302,564
5	Other receipts(1) .....	-	-	76
6	Total net receipts (3 + 4 + 5) .....	11,809	-	1,598,698
7	Received from storage .....	-	-	7,183,629
9	Total supply of gas utilities (6 + 7) .....	11,809	-	8,782,327
	Transfers from:			
11	Other provinces .....	-	2,951,271	19,213,356
12	Distribution to transport (primary) .....	-	-	428,975
13	Other gas utilities .....	-	2,951,271	29,240,273
19	Total gross receipts (9 + 11 + 12 + 13) ...	11,809	5,902,542	57,664,931
	<u>Disposition</u>			
	Sales:			
20	Residential .....	6,431	1,485,178	12,606,591
21	Industrial .....	-	1,103,620	7,136,516
22	Commercial .....	-	347,150	4,787,153
30	Total sales (20 + 21 + 22) .....	6,431	2,935,948	24,530,260
31	Exports .....	-	-	307,155
32	Other deliveries .....	-	-	1,624
33	Total net deliveries (30 + 31 + 32) .....	6,431	2,935,948	24,839,039
34	Delivered to storage .....	-	-	110,523
35	Line pack fluctuation .....	-	- 18,857	78,522
36	Gas used in system .....	-	10,662	1,228,276
37	Line losses and unaccounted for .....	5,378	23,518	- 1,211,948
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37) .....	11,809	2,951,271	25,044,412
	Transfers to:			
40	Other provinces .....	-	-	2,951,271
41	Distribution by transport (primary) .....	-	2,951,271	22,475,172
42	Other gas utilities .....	-	-	7,194,076
49	Total disposition (39 + 40 + 41 + 42) .....	11,809	5,902,542	57,664,931

(1) Includes peak shaving and enrichment.

... Figures not appropriate or not applicable.

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

February 1965

Manitoba	Saskatchewan	Alberta	British Columbia	Canada	February 1964	No.
					Canada	
Mcf.						
-	61,535	8,120,875	395,918	8,578,328	7,536,571	1a
-	-	47,814,046	11,228,618	59,042,664	55,783,590	1b
-	1,067,571	7,521,717	25,914	9,923,069	7,709,039	2a
-	1,851,447	10,013,830	81,557	11,946,834	12,676,726	2b
-	2,980,553	73,470,468	11,732,007	89,490,895	83,705,926	3
-	-	12,586	-	315,150	10,096 <sup>r</sup>	4
150,286	-	-	-	150,362	18,340	5
150,286	2,980,553	73,483,054	11,732,007	89,956,407	83,734,362	6
-	668,306	228,937	-	8,080,872	4,719,049	7
150,286	3,648,859	73,711,991	11,732,007	98,037,279	88,453,411	9
29,456,099	32,872,554	-	19,284,287	***	***	11
-	916,564	-	-	1,345,539	1,065,673	12
3,869,711	2,926,033	3,786,890	5,306,101	48,080,279	43,510,890	13
33,476,096	40,364,010	77,498,881	36,322,395	147,463,097	133,029,974	19
2,294,497	3,037,778	6,211,375	2,162,858	27,804,708	22,076,532	20
599,251	1,837,134	7,592,925	2,219,661	20,489,107	18,948,525	21
1,516,556	1,491,755	4,371,436	792,314	13,306,364	10,226,998	22
4,410,304	6,366,667	18,175,736	5,174,833	61,600,179	51,252,055	30
5,772,488	-	2,469,800	25,296,063	33,845,506	34,210,271	31
-	-	211,201	-	212,825	211,370	32
10,182,792	6,366,667	20,856,737	30,470,896	95,658,510	85,673,696	33
-	103,083	288,774	-	502,380	744,277	34
18,300	12,498	64,753	100,780	255,996	10,537	35
566,825	1,203,694	68,512	360,429	3,438,398	2,645,654	36
- 374,888	- 620,628	276,374	84,189	- 1,818,005	- 620,753	37
10,393,029	7,065,314	21,555,150	31,016,294	98,037,279	88,453,411	39
19,213,356	29,456,099	52,156,841	-	***	***	40
3,869,711	2,926,033	1,049,878	5,145,104	38,417,169	32,659,707	41
-	916,564	2,737,012	160,997	11,008,649	11,916,856	42
33,476,096	40,364,010	77,498,881	36,322,395	147,463,097	133,029,974	49

<sup>r</sup> 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 .....	9,577,944	8,578,328			
1b	Processing plants .....	66,338,411	59,042,664			
2	By distribution systems:					
2a	Fields .....	11,599,671	9,923,069			
2b	Processing plants .....	13,300,645	11,946,834			
3	Total (1 + 2) .....	100,816,671	89,490,895			
4	Imports .....	135,283	315,150			
5	Other receipts(1) .....	108,455	150,362			
6	Total net receipts (3 + 4 + 5) .....	101,060,409	89,956,407			
7	Received from storage .....	9,325,261	8,080,872			
9	Total supply of gas utilities (6 + 7) .....	110,385,670	98,037,279			
	Transfers from:					
11	Other provinces .....	...	...			
12	Distribution to transport (primary) .....	1,326,126	1,345,539			
13	Other gas utilities .....	56,220,795	48,080,279			
19	Total gross receipts (9 + 11 + 12 + 13) ...	167,932,591	147,463,097			
	<u>Disposition</u>					
	Sales:					
20	Residential .....	29,564,161	27,804,708			
21	Industrial .....	22,496,815	20,489,107			
22	Commercial .....	14,542,607	13,306,364			
30	Total sales (20 + 21 + 22) .....	66,603,583	61,600,179			
31	Exports .....	36,599,820	33,845,506			
32	Other deliveries .....	246,532	212,825			
33	Total net deliveries (30 + 31 + 32) .....	103,449,935	95,658,510			
34	Delivered to storage .....	493,946	502,380			
35	Line pack fluctuation .....	43,367	255,996			
36	Gas used in system .....	4,221,592	3,438,398			
37	Line losses and unaccounted for .....	2,176,830	- 1,818,005			
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37) .....	110,385,670	98,037,279			
	Transfers to:					
40	Other provinces .....	...	...			
41	Distribution by transport (primary) .....	44,305,816	38,417,169			
42	Other gas utilities .....	13,241,105	11,008,649			
49	Total disposition (39 + 40 + 41 + 42) .....	167,932,591	147,463,097			

(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.					
							18,156,272	15,618,768	1a
							125,381,075	115,140,514	1b
							21,522,740	16,327,504	2a
							25,247,479	27,017,095	2b
							190,307,566	174,103,881	3
							450,433	22,673 <sup>r</sup>	4
							258,817	83,876	5
							191,016,816	174,210,430	6
							17,406,133	10,794,382	7
							208,422,949	185,004,812	9
							...	...	11
							2,671,665	2,181,409	12
							104,301,074	89,492,741	13
							315,395,688	276,678,962	19
							57,368,869	48,114,149	20
							42,985,922	39,095,360	21
							27,848,971	22,325,780	22
							128,203,762	109,535,289	30
							70,445,326	70,552,245	31
							459,357	453,120	32
							199,108,445	180,540,654	33
							996,326	1,343,352	34
							299,363	- 25,291	35
							7,659,990	5,317,324	36
							358,825	- 2,171,227	37
							208,422,949	185,004,812	39
							...	...	40
							82,722,985	67,842,316	41
							24,249,754	23,831,834	42
							315,395,688	276,678,962	49

... Figures not appropriate or not applicable.

r Revised figures.

TABLE 3. Receipts and Disposition of Natural Gas by Source

February 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 .....	-	-	61,535	8,120,875	395,918	...	8,578,328
1b	Processing plants .....	-	-	-	47,814,046	11,228,618	...	59,042,664
2	By distribution systems:							
2a	Fields .....	11,809	1,296,058	1,067,571	7,521,717	25,914	...	9,923,069
2b	Processing plants .....	-	-	1,851,447	10,013,830	81,557	...	11,946,834
3	Total (1 + 2) .....	11,809	1,296,058	2,980,553	73,470,468	11,732,007	...	89,490,895
4	Imports .....	...	...	...	...	...	315,150	315,150
5	Other receipts(1) .....	-	76	-	150,286	-	...	150,362
6	Total net receipts (3 + 4 + 5) .....	11,809	1,296,134	2,980,553	73,620,754	11,732,007	315,150	89,956,407
7	Received from storage .....	-	7,183,629	668,306	228,937	-	...	8,080,872
9	Total supply of gas utilities (6 + 7) .....	11,809	8,479,763	3,648,859	73,849,691	11,732,007	315,150	98,037,279
	<u>Disposition</u>							
	<u>Sales:</u>							
23	British Columbia .....	-	-	-	1,024,359	4,150,474	-	5,174,833
24	Alberta .....	-	-	-	18,163,150	-	12,586	18,175,736
25	Saskatchewan .....	-	-	3,632,478	2,734,189	-	-	6,366,667
26	Manitoba .....	-	-	493,658	3,916,646	-	-	4,410,304
27	Ontario .....	-	8,554,411	-	15,673,285	-	302,564	24,530,260
28	Quebec .....	-	-	-	2,935,948	-	-	2,935,948
29	New Brunswick .....	6,431	-	-	-	-	-	6,431
30	Total sales (23 + 24 + 25 + 26 + 27 + 28 + 29) .....	6,431	8,554,411	4,126,136	44,447,577	4,150,474	315,150	61,600,179
31	Exports .....	-	-	-	26,761,004	7,084,502	...	33,845,506
32	Other deliveries .....	-	-	-	212,825	-	...	212,825
33	Total net deliveries (30 + 31 + 32) .....	6,431	8,554,411	4,126,136	71,421,406	11,234,976	315,150	95,658,510
34	Delivered to storage .....	-	-	103,083	399,297	-	-	502,380
35	Line pack fluctuation .....	-	-	- 11,902	182,693	85,205	-	255,996
36	Gas used in system .....	-	45,591	78,101	3,031,295	283,411	-	3,438,398
37	Line losses and unaccounted for .....	5,378	- 120,239	- 646,559	- 1,185,000	128,415	-	- 1,818,005
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37) .....	11,809	8,479,763	3,648,859	73,849,691	11,732,007	315,150	98,037,279

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

TABLE 4. Operating Statistics: Natural Gas Utilities

February 1965

	Natural gas transport systems	Natural gas distribution systems	Total natural gas utilities
<b>Daily sendouts (Mcf.):</b>			
February 1965:			
Daily average .....	2,580,810	2,200,006	3,434,318
Maximum(1) .....	3,034,824	...	...
Minimum(1) .....	2,349,723	...	...
Exports maximum(1) .....	1,243,173	...	1,243,173
February 1964:			
Daily average .....	2,305,861	1,767,312	2,979,930
Maximum(1) .....	2,634,737	...	...
Minimum(1) .....	2,186,067	...	...
Year to date 1965:			
Daily average .....	2,596,073	2,172,945	3,391,606
Maximum(1) .....	3,086,555	...	...
Minimum(1) .....	2,094,639	...	...
<b>Commodity miles:</b>			
Mcf. miles (thousands) .....	60,089,405	..	..
Ton-miles (millions) .....	1,370	..	..
<b>Line pack:</b>			
Beginning of month (Mcf.) .....	7,335,697	..	..
End of month (Mcf.) .....	7,617,779	..	..
Operating revenues .....	..	(\$)44,483,093	..

(1) Non-coincident.

.. Figures not available.

... Figures not appropriate or not applicable.

TABLE 5. Manufactured and Liquefied Petroleum Gases Utilities

Receipts and Disposition

February 1965

	Manufactured	Liquefied petroleum gases
	Mcf.	
Gas receipts .....	61,539	242,998
Deliveries to ultimate customers .....	61,323	220,979
Line pack fluctuations .....	-	19,720
Gas used in system .....	- 1,620	1,686
Metering difference, line losses, cyclical billing adjustments and unaccounted for .....	1,836	613
Total disposition .....	61,539	242,998
Daily average sendout .....	2,190	7,892
Revenues .....	(\$)41,430	(\$)195,531



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

February 1965

Customs port	Exports	Imports
	Mcf.	
Cornwall, Ontario .....	307,155	-
Niagara Falls .....	-	-
Ojibway, Ontario .....	-	302,564
Emerson, Manitoba .....	5,772,488	-
Coutts, Alberta .....	66	12,586
Aden, Alberta .....	1,609,020	-
Carway, Alberta .....	860,714	-
Kingsgate, British Columbia - U.S.A. District V South(1)	12,769,877	-
Other U.S.A. ....	4,030,405	-
Huntingdon, British Columbia .....	8,495,781	-
Canada - 1965 .....	33,845,506	315,150
1964 .....	34,210,271	10,096 <sup>r</sup>

(1) California, Nevada, Arizona.

<sup>r</sup> Revised figures.