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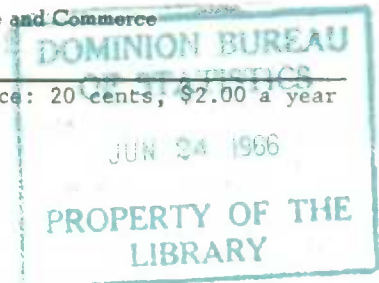
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GAS UTILITIES
(Transport and Distribution Systems)

FEBRUARY 1966



During February 1966 field gathering systems and processing plants delivered to gas utilities 95,262,610 Mcf., of natural gas. The transport systems accounted for 73,727,596 Mcf. and the distribution systems 21,535,014 Mcf. Natural gas recovered from storage was 6,568,074 Mcf. The total supply of gas utilities amounted to 104,691,213 Mcf., 6.8 per cent higher than in February 1965. Of the total supply 71,232,500 Mcf. were sold to ultimate customers in Canada, an increase of 14.3 per cent. Exports increased 2.7 per cent to 34,761,484 Mcf. from 33,845,506 Mcf. last year. For the twelve month period ended February 1966 exports totalled 407,669,735 Mcf. while net deliveries amounted to 998,814,492 Mcf.

Transport system traffic which represents virtually all of the major "intercity" movements of natural gas, amounted to 64.9 billion commodity (Mcf.) miles (1,479 million ton-miles) during February 1966 compared with 60.1 billion (1,370 million ton-miles) last year. The daily average deliveries of gas utilities amounted to 3.8 million Mcf.

Alberta natural gas utilities receipts totalled 76.4 billion cubic feet; of this 26.6 per cent was sold to ultimate customers in Alberta, 22.4 per cent in Ontario, 4.4 per cent in Saskatchewan, 4.0 per cent in Quebec, 6.0 per cent in Manitoba and 1.6 per cent in British Columbia. Exports accounted for 35.1 per cent while the remaining -0.1 per cent comprised other deliveries, deliveries to storage, line pack changes, gas used in systems and line losses and unaccounted for. In Table 3 gas received from storage is considered as originating in the province in which the storage is located. Gas delivered to storage is a terminal entry in the province of origin.

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.

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

June 1966
6503-509

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

February 1966

No.		New Brunswick	Quebec	Ontario	
			Mcf.		
	<u>Receipts</u>				
1	By transport systems:				
1a	Fields	-	-	-	
1b	Processing plants	-	-	-	
2	By distribution systems:				
2a	Fields	9,775	-	1,500,887	
2b	Processing plants	-	-	-	
3	Total (1 + 2)	9,775	-	1,500,887	
4	Imports	-	-	2,847,661	
5	Other receipts(1)	-	-	-	
6	Total net receipts (3 + 4 + 5)	9,775	-	4,348,548	
7	Received from storage	-	-	5,819,830	
9	Total supply of gas utilities (6 + 7)	9,775	-	10,168,378	
	Transfers from:				
11	Other provinces	-	3,355,683	21,121,683	
12	Distribution to transport (primary)	-	-	-	
13	Other gas utilities	-	3,345,462	26,495,172	
19	Total gross receipts (9 + 11 + 12 + 13) ...	9,775	6,701,145	57,785,233	
	<u>Disposition</u>				
	Sales:				
20	Residential	5,982	1,389,156	13,233,792	
21	Industrial	-	1,264,114	8,660,690	
22	Commercial	-	395,826	5,650,496	
30	Total sales (20 + 21 + 22)	5,982	3,049,096	27,544,978	
31	Exports	-	10,221	326,054	
32	Other deliveries	-	-	3,206	
33	Total net deliveries (30 + 31 + 32)	5,982	3,059,317	27,874,238	
34	Delivered to storage	-	-	497,714	
35	Line pack fluctuation	-	481	56,182	
36	Gas used in system	116	16,630	2,133,858	
37	Line losses and unaccounted for	3,677	279,255	2,627,614	
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	9,775	3,355,683	27,934,378	
	Transfers to:				
40	Other provinces	-	-	3,355,683	
41	Distribution by transport (primary)	-	3,345,462	17,399,298	
42	Other gas utilities	-	-	9,095,874	
49	Total disposition (39 + 40 + 41 + 42)	9,775	6,701,145	57,785,233	

(1) Includes peak shaving and enrichment.
 † Revised figures.

TABLE 1. Receipts and Disposition of Natural Gas Utilities by Province
February 1966

Manitoba	Saskatchewan	Alberta	British Columbia	Canada	February 1965 ¹	No.
					Canada	
			Mcf.			
-	-	8,719,389	480,288	9,199,677	8,507,072	1a
-	347,507	50,683,526	13,496,886	64,527,919	59,093,006	1b
-	1,689,702	7,340,658	-	10,541,022	9,923,069	2a
-	1,495,895	9,413,245	84,852	10,993,992	11,946,834	2b
-	3,533,104	76,156,818	14,062,026	95,262,610	89,469,981	3
-	-	13,432	-	2,861,093	315,150	4
- 564	-	-	-	- 564	150,362	5
- 564	3,533,104	76,170,250	14,062,026	98,123,139	89,935,493	6
-	469,377	278,867	-	6,568,074	8,095,065	7
- 564	4,002,481	76,449,117	14,062,026	104,691,213	98,030,558	9
32,541,984	36,396,719	-	18,931,356	...	...	11
-	667,774	-	-	667,774	1,345,539	12
4,681,845	3,874,570	4,177,599	7,060,416	49,635,064	48,080,279	13
37,223,265	44,941,544	80,626,716	40,053,798	154,994,051	147,456,376	19
2,524,005	3,352,320	7,381,468	2,240,765	30,127,488	28,283,381	20
714,738	3,080,339	7,549,510	3,850,392	25,119,783	20,359,709	21
1,814,699	1,770,112	5,394,202	959,894	15,985,229	13,669,054	22
5,053,442	8,202,771	20,325,180	7,051,051	71,232,500	62,312,144	30
6,302,400	-	2,478,807	25,644,002	34,761,484	33,845,506	31
-	-	263,164	-	266,370	212,825	32
11,355,842	8,202,771	23,067,151	32,695,053	106,260,354	96,370,475	33
-	115,913	199,780	-	813,407	502,380	34
14,430	48,709	- 16,586	- 165,946	- 62,730	255,996	35
513,525	1,000,518	102,280	642,652	4,409,579	3,438,398	36
- 464,060	- 1,510,695	- 2,231,583	- 178,377	- 6,729,397	- 2,536,691	37
11,419,737	7,857,216	21,121,042	32,993,382	104,691,213	98,030,558	39
21,121,683	32,541,984	55,328,075	-	...	...	40
4,681,845	3,892,641	1,314,779	6,877,701	37,511,726	38,417,169	41
-	649,703	2,862,820	182,715	12,791,112	11,008,649	42
37,223,265	44,941,544	80,626,716	40,053,798	154,994,051	147,456,376	49

... Not appropriate or not applicable.

TABLE 2. Receipts and Disposition of Natural Gas Utilities by Month, Canada, 1966

No.		January	February	March	April	May
				Mcf.		
	<u>Receipts</u>					
1	By transport systems:					
1a	Fields	10,462,945	9,199,677			
1b	Processing plants	73,537,156	64,527,919			
2	By distribution systems:					
2a	Fields	14,989,023	10,541,022			
2b	Processing plants	12,687,509	10,993,992			
3	Total (1 + 2)	111,676,633	95,262,610			
4	Imports	3,219,680	2,861,093			
5	Other receipts(1)	2,357	- 564			
6	Total net receipts (3 + 4 + 5)	114,898,670	98,123,139			
7	Received from storage	9,757,678	6,568,074			
9	Total supply of gas utilities (6 + 7)	124,656,348	104,691,213			
	Transfers from:					
11	Other provinces .....	...	...	
12	Distribution to transport (primary)	1,239,865	667,774			
13	Other gas utilities	58,643,485	49,635,064			
19	Total gross receipts (9 + 11 + 12 + 13) ...	184,539,698	154,994,051			
	<u>Disposition</u>					
	Sales:					
20	Residential	30,900,098	30,127,488			
21	Industrial	26,694,952	25,119,783			
22	Commercial	16,511,102	15,985,229			
30	Total sales (20 + 21 + 22)	74,106,152	71,232,500			
31	Exports	38,644,552	34,761,484			
32	Other deliveries	258,781	266,370			
33	Total net deliveries (30 + 31 + 32)	113,009,485	106,260,354			
34	Delivered to storage	419,697	813,407			
35	Line pack fluctuation	96,608	- 62,730			
36	Gas used in system	4,998,364	4,409,579			
37	Line losses and unaccounted for	6,132,194	- 6,729,397			
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	124,656,348	104,691,213			
	Transfers to:					
40	Other provinces .....	...	...	
41	Distribution by transport (primary)	43,778,424	37,511,726			
42	Other gas utilities	16,104,926	12,791,112			
49	Total disposition (39 + 40 + 41 + 42)	184,539,698	154,994,051			

(1) Includes peak shaving and enrichment.
 r Revised figures.

TABLE 2. Receipts and Disposition of Natural Gas Utilities by Month, Canada, 1966

June	July	August	September	October	November	December	Year to date		No.
							1966	1965 ^r	
				Mcf.					
							19,662,622	17,995,789	1a
							138,065,075	125,496,328	1b
							25,530,045	21,527,534	2a
							23,681,501	25,247,482	2b
							206,939,243	190,267,133	3
							6,080,773	450,433	4
							1,793	258,817	5
							213,021,809	190,976,383	6
							16,325,752	17,440,178	7
							229,347,561	208,416,561	9
							11
							1,907,639	2,671,665	12
							108,278,549	104,301,074	13
							339,533,749	315,389,300	19
							61,027,586	58,674,671	20
							51,814,735	42,371,729	21
							32,496,331	28,687,327	22
							145,338,652	129,733,727	30
							73,406,036	70,445,326	31
							525,151	459,357	32
							219,269,839	200,638,410	33
							1,233,104	996,326	34
							33,878	299,363	35
							9,407,943	7,659,990	36
							- 597,203	- 1,177,528	37
							229,347,561	208,416,561	39
							40
							81,290,150	82,722,985	41
							28,896,038	24,249,754	42
							339,533,749	315,389,300	49

TABLE 3. Receipts and Disposition of Natural Gas by Source

February 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	-	-	-	8,719,389	480,288	...	9,199,677	
1b	Processing plants	-	-	347,507	50,683,526	13,496,886	...	64,527,919	
2	By distribution systems:								
2a	Fields	9,775	1,500,887	1,689,702	7,340,658	-	...	10,541,022	
2b	Processing plants	-	-	1,495,895	9,413,245	84,852	...	10,993,992	
3	Total (1 + 2)	9,775	1,500,887	3,533,104	76,156,818	14,062,026	...	95,262,610	
4	Imports .....	...	...	...	...	...	2,861,093	2,861,093
5	Other receipts(1)	-	-	-	- 564	-	...	- 564	
6	Total net receipts (3 + 4 + 5)	9,775	1,500,887	3,533,104	76,156,254	14,062,026	2,861,093	98,123,139	
7	Received from storage	-	5,819,830	469,377	278,867	-	...	6,568,074	
9	Total supply of gas utilities (6 + 7)	9,775	7,320,717	4,002,481	76,435,121	14,062,026	2,861,093	104,691,213	
	<u>Disposition</u>								
	Sales:								
23	British Columbia	-	-	-	1,217,894	5,833,157	-	7,051,051	
24	Alberta	-	-	-	20,311,748	-	13,432	20,325,180	
25	Saskatchewan	-	-	4,836,080	3,366,691	-	-	8,202,771	
26	Manitoba	-	-	469,056	4,584,386	-	-	5,053,442	
27	Ontario	-	7,595,567	-	17,101,750	-	2,847,661	27,544,978	
28	Quebec	-	-	-	3,049,096	-	-	3,049,096	
29	New Brunswick	5,982	-	-	-	-	-	5,982	
30	Total sales (23 + 24 + 25 + 26 + 27 + 28 + 29)	5,982	7,595,567	5,305,136	49,631,565	5,833,157	2,861,093	71,232,500	
31	Exports	-	-	-	26,855,953	7,905,531	-	34,761,484	
32	Other deliveries	-	-	-	266,370	-	-	266,370	
33	Total net deliveries (30 + 31 + 32)	5,982	7,595,567	5,305,136	76,753,888	13,738,688	2,861,093	106,260,354	
34	Delivered to storage	-	-	115,913	697,494	-	-	813,407	
35	Line pack fluctuation	-	18,500	- 13,821	99,992	- 167,401	-	- 62,730	
36	Gas used in system	116	31,850	152,119	3,656,101	569,393	-	4,409,579	
37	Line losses and unaccounted for	3,677	- 325,200	- 1,556,866	- 4,772,354	- 78,654	-	- 6,729,397	
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	9,775	7,320,717	4,002,481	76,435,121	14,062,026	2,861,093	104,691,213	

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

TABLE 4. Operating Statistics: Natural Gas Utilities

February 1966

	Natural gas transport systems	Natural gas distribution systems	Total natural gas utilities
Daily sendouts (Mcf.):			
February 1966:			
Daily average	2,581,186	2,544,018	3,824,063
Maximum(1)	2,741,786	...	...
Minimum(1)	2,401,658	...	...
Exports maximum(1)	1,281,174	...	...
February 1965:			
Daily average	2,580,810	2,200,006	3,434,318
Maximum(1)	3,034,824	...	...
Minimum(1)	2,349,723	...	...
Year to date 1966:			
Daily average	2,621,969	2,463,367	3,737,338
Maximum(1)	2,834,533	...	...
Minimum(1)	2,401,658	...	...
Commodity miles:			
Mcf. miles (thousands)	64,890,059	..	..
Ton-miles (millions)	1,479	..	..
Line pack:			
Beginning of month (Mcf.)	7,960,166	..	..
End of month (Mcf.)	7,881,448	..	..
Operating revenues .....	..	49,539,600(2)	..

(1) Non-coincident.

(2) Estimated.

.. Figures not available.

... Figures not appropriate or not applicable.

TABLE 5. Manufactured and Liquefied Petroleum Gases Utilities

Receipts and Disposition

February 1966

	Manufactured	Liquefied petroleum gases
	Mcf.	
Gas receipts	60,566	132,505
Deliveries to ultimate customers	60,502	120,392
Line pack fluctuations	-	- 376
Gas used in system	-	1,869
Metering difference, line losses, cyclical billing adjustments and unaccounted for	64	10,620
Total disposition	60,566	132,505
Daily average sendout	2,161	4,300
Revenues	36,530	187,097(1)

(1) Estimated.



TABLE 6. Exports and Imports to and from the United States
February 1966

Customs port	Exports	Imports
	Mcf.	
Phillipsburg, Quebec	10,221	-
Cornwall, Ontario	326,054	-
Niagara Falls, Ontario	-	1,771,470
Ojibway, Ontario	-	1,076,191
Emerson, Manitoba	6,302,400	-
Coutts, Alberta	214	13,432
Aden, Alberta	1,609,324	-
Carway, Alberta	869,269	-
Kingsgate, British Columbia - U.S.A. District V South(1)	12,679,830	-
Other U.S.A.	3,718,258	-
Huntingdon, British Columbia	9,245,914	-
Canada - 1966	34,761,484	2,861,093
1965	33,845,506	315,150

(1) California, Nevada, Arizona.