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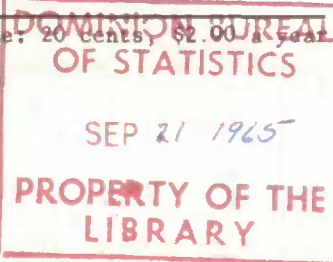
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GAS UTILITIES

(Transport and Distribution Systems)

JUNE 1965



During June 1965 field gathering systems and processing plants delivered to gas utilities 72,079,898 Mcf. of natural gas. The transport systems accounted for 58,805,985 Mcf. and the distribution systems 13,273,913 Mcf. Natural gas recovered from storage was 119,657 Mcf. The total supply of gas utilities amounted to 73,490,288 Mcf., 13.0 per cent higher than in June 1964. Of the total supply, 33,529,962 Mcf. were sold to ultimate customers in Canada, an increase of 6.3 per cent. Exports increased 11.9 per cent to 32,546,331 Mcf. from 29,084,975 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 June 1965 exports totalled 397,237,272 Mcf., while net deliveries amounted to 945,823,710^F Mcf.

Transport system traffic which represents virtually all of the major "intercity" movements of natural gas, amounted to 54.9 billion commodity (Mcf.) miles (1,251 million ton-miles) during June 1965 compared with 50.0 billion (1,139 million ton-miles) last year. The daily average deliveries of gas utilities amounted to 2.4 million Mcf.

Alberta natural gas utility receipts totalled 60.5 billion cubic feet; of this, 17.3 per cent was sold to ultimate customers in Ontario, 16.7 per cent in Alberta, 3.7 per cent in Quebec, 2.3 per cent in Saskatchewan, 2.0 per cent in Manitoba and 1.2 per cent in British Columbia. Exports accounted for 43.8 per cent while the remaining 13.0 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.

^F Revised figure.

Industry Division

September 1965
6511-509

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

June 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	5,984	-	888,849
2b	Processing plants	-	-	-
3	Total (1 + 2)	5,984	-	888,849
4	Imports	-	-	1,285,938
5	Other receipts(1)	-	-	-
6	Total net receipts (3 + 4 + 5)	5,984	-	2,174,787
7	Received from storage	-	-	23,638
9	Total supply of gas utilities (6 + 7)	5,984	-	2,198,425
	<u>Transfers from:</u>			
11	Other provinces	-	2,335,485	19,069,999
12	Distribution to transport (primary)	-	-	-
13	Other gas utilities	-	2,335,485	22,839,924
19	Total gross receipts (9 + 11 + 12 + 13) ...	5,984	4,670,970	44,108,348
	<u>Disposition</u>			
	<u>Sales:</u>			
20	Residential	4,221	247,563	2,847,124
21	Industrial	-	1,891,567	8,632,570
22	Commercial	-	102,799	1,269,299
30	Total sales (20 + 21 + 22)	4,221	2,241,929	12,748,993
31	Exports	-	-	201,533
32	Other deliveries	-	-	34
33	Total net deliveries (30 + 31 + 32)	4,221	2,241,929	12,950,560
34	Delivered to storage	-	-	5,989,401
35	Line pack fluctuation	-	- 4,625	- 95,651
36	Gas used in system	-	2,205	1,126,990
37	Line losses and unaccounted for	1,763	95,976	- 1,038,361
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	5,984	2,335,485	18,932,939
	<u>Transfers to:</u>			
40	Other provinces	-	-	2,335,485
41	Distribution by transport (primary)	-	2,335,485	15,497,115
42	Other gas utilities	-	-	7,342,809
49	Total disposition (39 + 40 + 41 + 42)	5,984	4,670,970	44,108,348

(1) Includes peak shaving and enrichment.

r Revised figures.

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

June 1965

Manitoba	Saskatchewan	Alberta	British Columbia	Canada	June ^F 1964	No.
					Canada	
			Mcf.			
-	-	6,100,322	361,312	6,461,634	5,362,513	1a
-	81,370	44,084,255	8,178,726	52,344,351	46,279,496	1b
-	743,439	3,531,352	7,957	5,177,581	3,387,048	2a
-	1,325,936	6,755,424	14,972	8,096,332	9,068,291	2b
-	2,150,745	60,471,353	8,562,967	72,079,898	64,097,348	3
-	-	3,562	-	1,289,500	826,494	4
1,233	-	-	-	1,233	2,506	5
1,233	2,150,745	60,474,915	8,562,967	73,370,631	64,926,348	6
-	23,389	72,630	-	119,657	125,708	7
1,233	2,174,134	60,547,545	8,562,967	73,490,288	65,052,056	9
26,707,716	28,843,950	-	18,543,577	...	...	11
-	440,915	95,034	-	535,949	2,126,914	12
1,101,374	1,437,533	2,501,812	3,249,829	33,465,957	27,865,728	13
27,810,323	32,896,532	63,144,391	30,356,373	107,492,194	95,044,698	19
447,936	822,895	1,839,367	493,250	6,702,356	6,042,230	20
706,808	2,466,516	6,846,158	2,529,646	23,073,265	22,338,870	21
324,357	397,510	1,402,464	257,912	3,754,341	3,165,502	22
1,479,101	3,686,921	10,087,989	3,280,808	33,529,962	31,546,602	30
6,016,071	-	2,452,285	23,876,442	32,546,331	29,084,975	31
-	-	188,854	-	188,888	189,818	32
7,495,172	3,686,921	12,729,128	27,157,250	66,265,181	60,821,395	33
-	-	458,024	-	6,447,425	4,097,801	34
- 22,065	- 72,474	4,083	- 124,353	- 315,085	- 42,240	35
524,897	1,084,042	65,678	189,854	2,993,666	2,085,107	36
- 359,054	- 388,121	- 96,895	- 116,207	- 1,900,899	- 1,910,007	37
7,638,950	4,310,368	13,160,018	27,106,544	73,490,288	65,052,056	39
19,069,999	26,707,716	47,387,527	-	...	...	40
1,101,374	1,437,533	229,566	3,207,722	23,808,795	19,896,518	41
-	440,915	2,367,280	42,107	10,193,111	10,096,124	42
27,810,323	32,896,532	63,144,391	30,356,373	107,492,194	95,044,698	49

... Figures not appropriate or not applicable.

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

No.		January ^r	February ^r	March ^r	April ^r	May ^r
				Mcf.		
	<u>Receipts</u>					
1	By transport systems:					
1a	Fields	9,501,869	8,516,793	9,392,412	8,194,140	7,785,625
1b	Processing plants	66,414,486	59,104,199	65,873,223	57,618,477	54,913,948
2	By distribution systems:					
2a	Fields	11,599,671	9,923,069	10,077,510	7,415,713	5,936,996
2b	Processing plants	13,300,645	11,946,834	12,503,035	10,194,599	9,069,845
3	Total (1 + 2)	100,816,671	89,490,895	97,846,180	83,422,929	77,706,414
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	79,354,092
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	79,396,583
	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	117,839,216
	<u>Disposition</u>					
	Sales:					
20	Residential	30,391,290	28,283,381	24,596,812	20,719,219	11,394,382
21	Industrial	22,012,020	20,359,709	23,045,019	23,908,698	23,051,208
22	Commercial	15,018,273	13,669,054	12,962,171	10,858,428	6,045,386
30	Total sales (20 + 21 + 22)	67,421,583	62,312,144	60,604,002	55,486,345	40,490,976
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)	104,267,935	96,370,475	97,852,488	87,606,203	71,800,338
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	3,819,516	3,680,474
37	Line losses and unaccounted for	1,358,830	- 2,529,970	1,116,705	- 6,657,932	- 4,377,767
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	110,385,670	98,037,279	104,076,925	86,537,236	79,396,583
	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	117,839,216

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

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 ^F	
				Mcf.					
6,461,634							49,852,473	42,181,714	1a
52,344,351							356,268,684	319,836,607	1b
5,177,581							50,130,540	40,901,255	2a
8,096,332							65,111,290	69,872,871	2b
72,079,898							521,362,987	472,792,447	3
1,289,500							4,759,308	5,364,769	4
1,233							357,719	107,590	5
73,370,631							526,480,014	478,264,806	6
119,657							25,443,967	16,288,166	7
73,490,288							551,923,981	494,552,972	9
...							11
535,949							5,938,294	11,155,657	12
33,465,957							268,168,259	228,754,084	13
107,492,194							826,030,534	734,462,713	19
6,702,356							122,087,440	103,418,687	20
23,073,265							135,449,919	125,218,261	21
3,754,341							62,307,653	49,569,209	22
33,529,962							319,845,012	278,206,157	30
32,546,331							203,118,956	198,121,113	31
188,888							1,198,652	1,456,182	32
66,265,181							524,162,620	477,783,452	33
6,447,425							18,302,292	14,426,327	34
- 315,085							- 138,158	- 70,091	35
2,993,666							22,588,260	14,537,194	36
- 1,900,899							- 12,991,033	- 12,123,910	37
73,490,288							551,923,981	494,552,972	39
...							40
23,808,795							200,769,312	169,648,215	41
10,193,111							73,337,241	70,261,526	42
107,492,194							826,030,534	734,462,713	49

... Figures not appropriate or not applicable.

TABLE 3. Receipts and Disposition of Natural Gas by Source

June 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	-	-	-	6,100,322	361,312	...	6,461,634	
1b	Processing plants	-	-	81,370	44,084,255	8,178,726	...	52,344,351	
2	By distribution systems:								
2a	Fields	5,984	888,849	743,439	3,531,352	7,957	...	5,177,581	
2b	Processing plants	-	-	1,325,936	6,755,424	14,972	...	8,096,332	
3	Total (1 + 2)	5,984	888,849	2,150,745	60,471,353	8,562,967	...	72,079,898	
4	Imports .....	...	...	...	...	...	1,289,500	1,289,500
5	Other receipts (1)	-	-	-	1,233	-	...	1,233	
6	Total net receipts (3 + 4 + 5)	5,984	888,849	2,150,745	60,472,586	8,562,967	1,289,500	73,370,631	
7	Received from storage	-	23,638	23,389	72,630	-	...	119,657	
9	Total supply of gas utilities (6 + 7)	5,984	912,487	2,174,134	60,545,216	8,562,967	1,289,500	73,490,288	
	<u>Disposition</u>								
	Sales:								
23	British Columbia	-	-	-	712,191	2,568,617	-	3,280,808	
24	Alberta	-	-	-	10,084,427	-	3,562	10,087,989	
25	Saskatchewan	-	-	2,321,518	1,365,403	-	-	3,686,921	
26	Manitoba	-	-	271,051	1,208,050	-	-	1,479,101	
27	Ontario	-	996,077	-	10,466,978	-	1,285,938	12,748,993	
28	Quebec	-	-	-	2,241,929	-	-	2,241,929	
29	New Brunswick	4,221	-	-	-	-	-	4,221	
30	Total sales (23 + 24 + 25 + 26 + 27 + 28 + 29)	4,221	996,077	2,592,569	26,078,978	2,568,617	1,289,500	33,529,962	
31	Exports	-	-	-	26,490,489	6,055,842	-	32,546,331	
32	Other deliveries	-	-	-	188,888	-	-	188,888	
33	Total net deliveries (30 + 31 + 32)	4,221	996,077	2,592,569	52,758,355	8,624,459	1,289,500	66,265,181	
34	Delivered to storage	-	-	-	6,447,425	-	-	6,447,425	
35	Line pack fluctuation	-	-	- 43,054	- 145,522	- 126,509	-	- 315,085	
36	Gas used in system	-	29,130	39,486	2,803,742	121,308	-	2,993,666	
37	Line losses and unaccounted for	1,763	- 112,720	- 414,867	- 1,318,784	- 56,291	-	- 1,900,899	
39	Total demand on gas utilities (33 + 34 + 35 + 36 + 37)	5,984	912,487	2,174,134	60,545,216	8,562,967	1,289,500	73,490,288	

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

TABLE 4. Operating Statistics: Natural Gas Utilities

June 1965

	Natural gas transport systems	Natural gas distribution systems	Total natural gas utilities
Daily sendouts (Mcf.):			
June 1965:			
Daily average	1,878,504	1,117,665	2,423,754
Maximum(1)	2,051,270	...	...
Minimum(1)	1,526,879	...	...
Exports maximum(1)	1,133,063	...	1,133,063
June 1964:			
Daily average	1,632,716	1,051,553	2,163,973 ^F
Maximum(1)	2,024,561	...	...
Minimum(1)	1,467,262	...	...
Year to date 1965 ^F			
Daily average	2,231,427	1,767,100	2,997,044
Maximum(1)	3,086,555	...	...
Minimum(1)	1,526,879	...	...
Commodity miles:			
Mcf. miles (thousands)	54,853,681	..	..
Ton-miles (millions)	1,251	..	..
Line pack:			
Beginning of month (Mcf.)	7,480,998	..	..
End of month (Mcf.)	7,211,560	..	..
Operating revenues .....	..	(\$) 19,129,347	..

(1) Non-coincident.

^F Revised figures.

.. Figures not available.

... Figures not appropriate or not applicable.

TABLE 5. Manufactured and Liquefied Petroleum Gases Utilities

Receipts and Disposition

June 1965

	Manufactured	Liquefied petroleum gases
	Mcf.	
Gas receipts	51,382	66,664
Deliveries to ultimate customers	53,291	52,551
Line pack fluctuations	-	- 1,366
Gas used in system	1,586	666
Metering difference, line losses, cyclical billing adjustments and unaccounted for	- 3,495	14,813
Total disposition	51,382	66,664
Daily average sendout	1,776	1,752
Revenues	(\$) 38,261	(\$) 114,012



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TABLE 6. Exports and Imports to and from the United States
June 1965

Customs port	Exports	Imports
	Mcf.	
Cornwall, Ontario	201,533	-
Niagara Falls	-	-
Ojibway, Ontario	-	1,285,938
Emerson, Manitoba	6,016,071	-
Coutts, Alberta	35	3,562
Aden, Alberta	1,550,897	-
Carway, Alberta	901,353	-
Kingsgate, British Columbia - U.S.A. District V South(1)	13,571,886	-
Other U.S.A.	2,714,766	-
Huntingdon, British Columbia	7,589,790	-
Canada - 1965	32,546,331	1,289,500
1964	29,084,975	826,494 ^r

(1) California, Nevada, Arizona.
^r Revised figure.