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GAS UTILITIES

(Transport and Distribution Systems)

OCTOBER 1962

In October 1962, gas utilities received from field gathering systems and processing plants 67.5 million Mcf. of natural gas, of which 49.1 million Mcf. was received by transport systems and 18.4 million Mcf. was received by the distribution systems. Natural gas received from storage was 1.5 million Mcf. The total supply of gas utilities, 69.1 million Mcf., was 40.5 per cent higher than October 1961. Of the total supply, 30.1 million Mcf. was sold to ultimate customers in Canada, an increase of 2.1 per cent, and 33.5 million Mcf. was exported, an increase of 170.7 per cent. The difference between gas supply and deliveries was accounted for by losses including cyclical billing adjustments, B.T.U. adjustments, line pack changes and small deliveries to storage. Transport systems delivered 18.3 million Mcf. to distribution systems, a slight decrease from last year.

For the twelve-month period ended October 1962, exports totalled 333 million Mcf. and net deliveries 750 million Mcf.

Line pack changes included changes in the transport systems as well as certain changes in the transmission lines of the distribution systems; line pack changes for the transport systems are given separately in Table 3.

The transport systems which represent virtually all of the major "inter-city" movements of natural gas had traffic amounting to 43.5 billion commodity (Mcf.) miles compared with 35.3 billion for the same period last year. Ton miles totalled 993 million for October 1962. The daily average deliveries of gas utilities amounted to 2.1 million Mcf./day.

Revenue for the natural gas utilities for the month was \$25,478,734 and manufactured and liquefied petroleum gases systems \$203,046 giving a combined utilities total of \$25,681,780.

For the ten-month period January to October 1962, net receipts totalled 639 million Mcf. compared with 450 million Mcf. last year; total net deliveries amounted to 634 million Mcf. compared with 435 million Mcf. for the same ten months in 1961.

Volumes in this report are given in thousands of standard cubic feet (Mcf.) at 14.73 pounds per square inch absolute, and 60°F; sales volumes are given in thousands of standard cubic feet containing 1,000 B.T.U. per cubic foot.

Prepared in the Public Utilities Section  
Public Finance and Transportation Division

March 1963  
8506-503

**TABLE 1. Receipts and Disposition of Natural Gas Utilities by Province**  
October 1962

No.		New Brunswick	Quebec	Ontario
			Mcf.	
	<u>Receipts</u>			
	Receipts from fields or processing plants:			
1	By transport systems .....	-	-	-
2	By distribution systems .....	8,859	-	1,173,598
3	Totals .....	8,859	-	1,173,598
4	Imports .....	-	-	104,570
5	Other receipts .....	-	-	-
6	Total net receipts .....	8,859	-	1,278,168
7	Received from storage .....	-	-	1,407,847
8	Total supply of gas utilities .....	8,859	-	2,686,015
	Transfers:			
9	Interprovincial .....	-	1,965,137	13,180,790
10	Other .....	-	1,955,879	16,546,916
11	Total gross receipts .....	8,859	3,921,016	32,413,721
	<u>Disposition</u>			
	Sales:			
12	Residential .....	5,415	466,745	2,380,765
13	Industrial .....	-	1,250,681	7,007,476
14	Commercial .....	1,109	126,702	1,078,976
15	Total sales .....	6,524	1,844,128	10,467,217
16	Exports .....	-	-	31,296
17	Other deliveries .....	-	-	-
18	Total net deliveries .....	6,524	1,844,128	10,498,513
19	Delivered to storage .....	-	-	1,252,825
	Transfers:			
20	Interprovincial .....	-	-	1,965,137
21	Transport to distribution .....	-	1,965,137	11,046,084
22	Other .....	-	-	5,505,983
23	Total gross deliveries .....	6,524	3,809,265	30,268,542
24	Line pack fluctuation .....	-	- 2,000	- 57,436
25	Gas used in system(1) .....	-	49,692	511,224
26	Adjustments (B.T.U.) .....	-	-	-
27	Line losses and unaccounted for .....	2,335	64,059	1,691,391
28	Total disposition .....	8,859	3,921,016	32,413,721

(1) Includes estimated figures.

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

October 1962

Manitoba	Saskatchewan	Alberta	British Columbia	Canada	October 1961	No.
					Canada	
Mcf.						
-	-	38,647,083	10,448,150	49,095,233	32,678,872	1
-	2,290,557	14,916,362	28,843	18,418,219	14,432,543	2
-	2,290,557	53,563,445	10,476,993	67,513,452	47,111,415	3
-	-	4,775	-	109,345	531,477	4
-	-	-	-	-	54	5
-	2,290,557	53,568,220	10,476,993	67,622,797	47,642,946	6
-	23,195	81,259	-	1,512,301	1,576,192	7
-	2,313,752	53,649,479	10,476,993	69,135,098	49,219,138	8
19,401,220	20,107,554	-	19,126,151	-	-	9
1,255,719	1,536,430	4,105,121	2,803,963	28,204,028	26,321,913	10
20,656,939	23,957,736	57,754,600	32,407,107	97,339,126	75,541,051	11
347,871	544,090	2,116,714	904,619	6,766,219	7,056,052	12
445,942	1,390,967	8,104,093	1,466,837	19,665,996	18,498,296	13
218,409	237,551	1,676,026	289,910	3,628,683	3,885,597	14
1,012,222	2,172,608	11,896,833	2,661,366	30,060,898	29,439,945	15
4,763,379	-	2,473,217	26,196,860	33,464,752	12,360,763	16
-	-	27,124	-	27,124	5,301	17
5,775,601	2,172,608	14,397,174	28,858,226	63,552,774	41,806,009	18
-	73,918	32,921	-	1,359,664	2,513,792	19
13,180,790	19,401,220	39,233,705	-	-	-	20
1,257,051	1,034,158	151,357	2,803,384	18,257,171	18,358,798	21
-	537,004	3,943,291	-	9,986,278	8,005,484	22
20,213,442	23,218,908	57,758,448	31,661,610	93,155,887	70,684,083	23
-	3,722	- 72,260	78,911	- 49,063	208,612	24
-	74,346	44,289	298,601	978,152	1,194,517	25
-	-	- 1,165,238	-	- 1,165,238	3,453,839	26
443,497	660,760	1,189,361	367,985	4,419,388	(	27
20,656,939	23,957,736	57,754,600	32,407,107	97,339,126	75,541,051	28

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

October 1962

No.		January	February	March	April	May
		Mcf.				
	<u>Receipts</u>					
	Receipts from fields or processing plants:					
1	By transport systems .....	51,192,931	48,073,283	50,556,681	43,786,955	44,676,443
2	By distribution systems .....	23,621,890	21,140,018	22,301,593	16,915,252	15,419,502
3	Totals .....	74,814,821	69,213,301	72,858,274	60,702,207	60,095,945
4	Imports .....	12,132	10,122	10,411	909,453	835,660
5	Other receipts .....	28,333	4,105	4,078	330	-
6	Total net receipts .....	74,855,286	69,227,528	72,872,763	61,611,990	60,931,605
7	Received from storage .....	6,144,169	4,957,597	2,943,692	360,268	11,517
8	Total supply of gas utilities .....	80,999,455	74,185,125	75,816,455	61,972,258	60,943,122
	Transfers:					
9	Interprovincial .....	-	-	-	-	-
10	Other .....	39,683,200	34,351,159	34,231,521	29,324,575	27,054,208
11	Total gross receipts .....	120,682,655	108,536,284	110,047,976	91,296,833	87,997,330
	<u>Disposition</u>					
	Sales:					
12	Residential .....	22,950,587	21,549,239	19,783,830	13,642,351	8,364,740
13	Industrial .....	17,363,882	15,777,701	17,709,805	18,102,553	18,107,927
14	Commercial .....	10,179,220	9,568,923	8,943,492	6,291,451	3,993,004
15	Total sales .....	50,493,689	46,895,863	46,437,127	38,036,355	30,465,671
16	Exports .....	29,461,219	28,720,262	30,471,213	27,041,272	28,665,413
17	Other deliveries .....	132,836	34,229	71,358	12,919	11,334
18	Total net deliveries .....	80,087,744	75,650,354	76,979,698	65,090,546	59,142,418
19	Delivered to storage .....	101,962	540,946	1,053,840	1,690,300	4,303,465
	Transfers:					
20	Interprovincial .....	-	-	-	-	-
21	Transport to distribution .....	26,603,866	23,585,802	23,451,192	19,112,539	16,328,127
22	Other .....	13,124,233	10,765,050	10,744,410	10,269,520	10,868,262
23	Total gross deliveries .....	119,917,805	110,542,152	112,229,140	96,162,905	90,642,272
24	Line pack fluctuation .....	57,804	- 176,656	247,349	- 288,027	48,760
25	Gas used in system(1) .....	1,634,577	1,547,695	1,665,743	1,292,061	1,296,603
26	Adjustments (B.T.U.) .....	- 1,399,928	- 1,014,598	- 1,066,971	- 873,639	- 1,068,889
27	Line losses and unaccounted for .....	472,397	- 2,362,309	- 3,027,285	- 4,996,467	- 2,921,416
28	Total disposition .....	120,682,655	108,536,284	110,047,976	91,296,833	87,997,330

(1) Includes estimated figures.

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

October 1962

June	July	August	September	October	November	December	Year to date		No.
							1962	1961 <sup>†</sup>	
Mcf.									
41,725,735	43,442,380	43,919,995	45,057,881	49,095,233			461,527,517	308,692,283	1
13,008,796	12,374,146	13,701,142	15,331,696	18,418,219			172,232,254	135,364,081	2
54,734,531	55,816,526	57,621,137	60,389,577	67,513,452			633,759,771	444,056,364	3
822,340	943,979	943,749	862,403	109,345			5,459,594	5,458,383	4
-	-	-	-	-			36,846	61,653	5
55,556,871	56,760,505	58,564,886	61,251,980	67,622,797			639,256,211	449,576,400	6
47,752	77,750	221,473	299,578	1,512,301			16,576,097	20,234,220	7
55,604,623	56,838,255	58,786,359	61,551,558	69,135,098			655,832,308	469,810,620	8
-	-	-	-	-			-	-	9
25,793,587	25,544,417	24,900,660	25,927,661	28,204,028			295,015,016	248,589,870	10
81,398,210	82,382,672	83,687,019	87,479,219	97,339,126			950,847,324	718,400,490	11
4,783,564	3,229,854	3,003,622	4,209,337	6,766,219			108,283,343	93,114,127	12
17,694,617	17,192,307	18,253,922	18,684,736	19,665,996			178,553,446	161,727,028	13
2,513,828	1,759,892	1,843,619	2,796,375	3,628,683			51,518,487	43,950,218	14
24,992,009	22,182,053	23,101,163	25,690,448	30,060,898			338,355,276	298,791,373	15
27,794,501	28,989,702	30,204,416	30,683,350	33,464,752			295,496,100	136,157,977	16
40,517	64,754	45,592	18,695	27,124			459,358	96,131	17
52,827,027	51,236,509	53,351,171	56,392,493	63,552,774			634,310,734	435,045,481	18
4,498,049	5,418,722	4,348,018	2,494,828	1,359,664			25,809,794	29,007,606	19
-	-	-	-	-			-	-	20
14,662,683	14,297,209	14,679,854	16,112,455	18,257,171			187,090,898	177,051,808	21
11,066,873	11,215,243	10,255,744	9,840,234	9,986,278			108,135,847	71,721,446	22
83,054,632	82,167,683	82,634,787	84,840,010	93,155,887			955,347,273	712,826,341	23
- 383,192	- 14,908	270,349	100,957	- 49,063			- 186,627	198,564	24
1,147,296	1,244,547	1,200,530	1,243,689	978,152			13,250,893	9,852,477	25
- 1,017,641	- 1,259,595	- 1,239,509	- 1,133,832	- 1,165,238			- 11,239,840	- 4,476,892	26
- 1,402,885	244,945	820,862	2,428,395	4,419,388			- 6,324,375		27
81,398,210	82,382,672	83,687,019	87,479,219	97,339,126			950,847,324	718,400,490	28

<sup>†</sup> Revised figures.

TABLE 3. Operating Statistics: Natural Gas Utilities

October 1962

	Natural gas transport systems	Natural gas distribution systems	Total natural gas utilities
Sendouts (Mcf.):			
October 1962:			
Daily average .....	1,668,449	969,706	2,093,950
Maximum (non-coincident) .....	2,058,796	...	...
Minimum (non-coincident) .....	1,468,531	...	...
October 1961:			
Daily average (Mcf.) .....	991,125	949,676	...
Maximum .....	1,295,020	...	...
Minimum .....	727,303	...	...
Year to date 1962:			
Daily average (Mcf.) .....	1,587,457	1,113,011	2,183,349
Maximum .....	2,226,408	...	...
Minimum .....	1,196,955	...	...
Commodity miles:			
Mcf. miles (000's miles) .....	43,547,728	..	..
Ton miles (millions) .....	993	..	..
Line pack:			
Beginning of month (Mcf.) .....	6,090,007	..	..
End of month (Mcf.) .....	6,037,070	..	..
Operating revenues .....	(\$15,237,593	(\$17,260,371	(\$25,478,734(1)

(1) Interindustry revenues eliminated.

.. Figures not available.

... Figures not appropriate or not applicable.

TABLE 4. Manufactured and Liquefied Petroleum Gases Utilities

Receipts and Disposition

October 1962

	Manufactured	Liquefied petroleum gases
	Mcf.	
Gas receipts .....	118,398	84,048
Deliveries to ultimate customers .....	142,467	72,213
Line pack fluctuations .....	- 1,991	- 37
Gas used in system .....	- 36,507	-
Metering difference, line losses, cyclical billing adjustments and unaccounted for .....	14,429	11,872
Total disposition .....	118,398	84,048
Daily average sendout .....	4,596	2,329
Revenues .....	(\$94,004	(\$109,042



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