

GAS PIPE LINE TRANSPORT

SEPTEMBER, 1961

Net deliveries of natural gas through Canadian pipe lines totalled 26,522,419 Mcf. in September, up 40.9 per cent from the total of 18,826,214 Mcf. recorded in September, 1960. Daily average sendout was 884,081 Mcf. as compared with 627,540 Mcf. Peak day deliveries, uncompensated(1), amounted to 1,216,904 Mcf. while the minimum day deliveries of 814,436 Mcf. were 33.1 per cent less. Exports increased 48.0 per cent to 12,030,665 Mcf. from 8,130,321 Mcf. in the previous year. Net deliveries for the twelve month period ending September 30, were 375,868,049 Mcf.

Alberta continued to maintain the highest provincial receipts, 71.4 per cent, while the greater share of deliveries, 35.5 per cent, was made in British Columbia.

Total Mcf. miles amounted to 31.8 billion or 726 million ton miles.

Pipeline fuel amounted to 786,658 Mcf. during September, while line pack decreased to 3,840 Mcf.

Operating revenues for the third quarter increased \$10,640,939 or 52.1 per cent to \$31,072,091 from \$20,431,152 in the same period last year.

Gas volumes used in this report are given at a common base so that one cubic foot of gas contains 1,000 British thermal units at 14.73 pounds per square inch absolute and at 60°F. One Mcf. equals 1,000 cubic feet.

The gas pipe line transport industry is defined as that industry which is engaged in the transportation of natural gas, by pipe line, from natural gas fields or processing plants to local distribution systems. Companies included in this industry obtain the bulk of their revenue from the sale of gas to distribution companies for resale. Those companies that derive most of their revenue from the sale of gas to final consumers are classified as being in the Gas Utilities (Distribution) Industry.

Monthly reports of "Sales of Manufactured and Natural Gas" include summary data of receipts and deliveries of natural gas by transmission and distribution systems combined.

(1) Sum of deliveries on peak day for each of responding companies regardless of date of peak day delivery.

Prepared in the Public Utilities Section
Public Finance and Transportation Division

TABLE 1. Natural Gas Transmission by Company

September, 1961

Mcf.

No.		Total September 1960	Total September 1961	The Alberta Gas Trunk Line Co. Ltd.	Canadian- Montana Pipe Line Co.	Mid- Continent Pipelines Ltd.
	<u>Natural gas received into transmission systems</u>					
1	From own gathering system or processing plants	8,100,732	9,692,837	-	-	-
2	From other gathering systems or processing plants	13,056,712	20,202,400	16,968,264	845,549	523,268
3	From foreign transmission lines	808,117	798,627	-	-	-
4	Total net receipts	21,965,561	30,693,864	...	...	...
5	From storage	-	-	-	-	-
6	Transfers from Canadian trans- mission systems	11,331,976	20,468,920	-	-	-
7	Returned to transmission systems by distribution systems for re-delivery.	112,278	343,856	-	-	-
8	Total gross receipts	33,409,815	51,506,640	16,968,264	845,549	523,268
	<u>Natural gas delivered out of transmission systems</u>					
9	To distribution systems	10,687,343	14,487,124	56,016	-	523,296
10	To foreign transmission lines	8,130,321	12,030,665	-	846,018	-
11	To industrial consumers	8,503	4,573	4,573	-	-
12	To others	47	57	-	57	-
13	Total net deliveries	18,826,214	26,522,419	...	...	...
14	To storage	2,203,095	3,189,439	-	-	-
15	Transfers to Canadian trans- mission systems	11,331,976	20,468,920	16,686,086	-	-
16	Re-delivered to distribution systems	112,278	95,718	-	-	-
17	Total gross deliveries	32,473,563	50,276,496	16,746,675	846,075	523,296
18	Pipeline fuel	307,910	786,658	412	-	-
19	Pipeline losses and metering differences	146,715	439,646	202,999	-1,593	-
20	Line pack fluctuations	481,627	3,840	18,178	1,067	-28
21	Total disposition of gross receipts .	33,409,815	51,506,640	16,968,264	845,549	523,268

... Figures not appropriate or not applicable.

TABLE 2. Receipts and Deliveries of Transmission Systems, by Province

Mcf.

No.		British Columbia	Alberta	Saskatchewan
	<u>Receipts</u>			
1	From gathering systems or processing plants	7,973,940	21,913,194	-
2	From foreign transmission lines	-	4,431	-
3	Total	7,973,940	21,917,625	-
	<u>Deliveries</u>			
4	To distribution systems or consumers ..	1,937,169	2,113,834	741,652
5	To foreign transmission lines	7,491,331	846,085	-
6	Total	9,428,500	2,959,919	741,652

TABLE 1. Natural Gas Transmission by Company

September, 1961

Mcf.

Niagara Gas Transmission Ltd.	Ontario Natural Gas Storage and Pipelines Ltd.	Peace River Transmission Co. Ltd.	Trans- Canada Pipe Lines Ltd.	Westcoast Transmission Co. Ltd.	Other Transmission Companies	No.
-	-	87,867	-	7,707,120	1,897,850	1
-	8,103	-	-	1,708,287	148,929	2
-	794,196	-	-	-	4,431	3
...	...	...	...	...	...	4
-	-	-	-	-	-	5
-	3,782,834	-	16,686,086	-	-	6
95,718	-	-	248,138	-	-	7
95,718	4,585,133	87,867	16,934,224	9,415,407	2,051,210	8
-	1,369,610	86,759	8,547,845	1,850,410	2,053,188	9
-	-	-	3,693,249	7,491,331	67	10
-	-	-	-	-	-	11
-	-	-	-	-	-	12
...	...	...	...	...	...	13
-	3,189,439	-	-	-	-	14
-	-	-	3,782,834	-	-	15
95,718	-	-	-	-	-	16
95,718	4,559,049	86,759	16,023,928	9,341,741	2,053,255	17
-	28,298	-	575,517	182,431	-	18
-	-2,214	1,108	335,268	-93,932	-1,990	19
-	-	-	-489	-14,833	-55	20
95,718	4,585,133	87,867	16,934,224	9,415,407	2,051,210	21

TABLE 2. Receipts and Deliveries of Transmission Systems, by Province

Mcf.

Manitoba	Ontario	Quebec	Total	No.
-	8,103	-	29,895,237	1
-	794,196	-	798,627	2
-	802,299	-	30,693,864	3
1,442,595	6,352,722	1,903,782	14,491,754	4
3,693,249	-	-	12,030,665	5
5,135,844	6,352,722	1,903,782	26,522,419	6

TABLE 3. Operating Statistics by Company

September, 1961

No.		Canada	The Alberta Gas Trunk Line Co. Ltd.	Canadian- Montana Pipe Line Co.	Mid- Continent Pipelines Ltd.	Niagara Gas Transmission Ltd.
	<u>Mcf. sendouts</u>					
1	September, 1961					
2	Daily average	884,081	558,222	28,203	17,442	3,191
3	Maximum day	1,216,904(1)	632,312(2)	45,875	23,203	3,944
3	Minimum day	814,436(1)	301,774(2)	1,073	11,280	2,545
4	September, 1960					
5	Daily average	627,540	308,788	32,682	-	3,743
5	Maximum day	847,926(1)	385,401(2)	55,360	-	4,006
6	Year to date, 1961					
6	Daily average	998,318	585,081	38,334	20,970	2,436
7	Year to date, 1960					
7	Daily average	729,800	313,900	41,715	16,518	2,882
8	<u>Mcf. Miles</u>					
8	September, 1961 ... (000's miles)	31,845,848	2,843,051	14,529	446	-
9	<u>Line Pack</u>					
10	Beginning of month Mcf.	4,830,917	606,257	3,579	180	..
10	End of month Mcf.	4,834,757	624,435	4,646	152	..
11	Net fluctuation Mcf.	3,840	18,178	1,067	-28	..
	<u>Operating revenues</u>					
12	1st quarter, 1961 \$	36,802,443	1,992,882	707,759	1,760	24,000
13	2nd quarter, 1961 \$	32,983,637	1,755,838	596,622	713	24,000
14	3rd quarter, 1961 \$	31,072,091	2,552,129	373,266	387	24,000
15	4th quarter, 1961 \$					
16	Total to date \$	100,858,171	6,300,849	1,677,647	2,860	72,000
17	1st quarter, 1960 \$	25,996,622	1,352,975	758,129	918	6,000
18	2nd quarter, 1960 \$	21,643,294	1,061,209	581,753	132	6,000
19	3rd quarter, 1960 \$	20,431,152	1,737,253	442,014	-	6,000
20	4th quarter, 1960 \$	30,012,591	1,785,869	726,913	813	6,000
21	Total to date \$	98,083,659	5,937,306	2,508,809	1,863	24,000

- (1) Uncompensated.
 (2) Not included in total.
 .. Figures not available.

TABLE 3. Operating Statistics by Company

September, 1961

Ontario Natural Gas Storage and Pipelines Ltd.	Peace River Transmission Co. Ltd.	Trans- Canada Pipe Lines Ltd.	Westcoast Transmission Co. Ltd.	Other Transmission Companies	No.
45,654	2,892	534,131	311,391	68,442	1
71,097	3,654	645,128	344,554	79,449	2
27,370	2,187	451,374	273,420	45,187	3
34,325	2,429	287,535	274,541	64,973	4
51,301	3,092	355,877	307,282	71,008	5
98,461	3,489	574,860	318,399	64,459	6
70,364	3,005	302,462	294,396	62,460	7
484,911	1,114	22,501,759	5,936,143	63,895	8
110,000	..	3,148,319	948,271	14,311	9
110,000	..	3,147,830	933,438	14,256	10
-	..	-489	-14,833	-55	11
5,496,305	95,556	19,970,458	8,257,869	255,854	12
3,702,605	61,301	18,795,813	7,839,281	207,464	13
2,770,663	52,474	17,530,908	7,588,778	179,486	14
					15
11,969,573	209,331	56,297,179	23,685,928	642,804	16
4,538,655	83,468	12,137,695	6,867,457	251,325	17
2,252,653	49,119	10,858,803	6,637,052	196,573	18
1,644,348	47,736	9,975,649	6,394,914	183,238	19
3,680,802	80,927	16,184,359	7,347,994	198,914	20
12,116,458	261,250	49,156,506	27,247,417	830,050	21

TABLE 4. Natural Gas Transmission by Month

September, 1961

Mcf.						
No.		Year to date		January	February	March
		1960	1961			
<u>Natural gas received into transmission systems</u>						
1	From own gathering system or other processing plants	74,338,290	88,433,780	10,214,953	9,826,133	11,374,343
2	From other gathering systems or processing plants	129,489,131	198,046,072	27,378,303	25,070,481	25,556,307
3	From foreign transmission lines	4,838,927	4,926,906	10,208	8,671	7,719
4	Total net receipts	208,666,348	291,406,758	37,603,464	34,905,285	36,938,369
5	From storage	6,742,380	16,260,235	5,071,021	2,947,163	3,037,551
6	Transfers from Canadian transmission systems	99,302,279	179,094,309	20,729,798	19,997,934	22,021,273
7	Returned to transmission systems by distribution systems for re-delivery	5,924,486	10,110,845	409,895	329,840	332,563
8	Total gross receipts	320,635,493	496,872,147	63,814,178	58,180,222	62,329,756
<u>Natural gas delivered out of transmission systems</u>						
9	To distribution systems	122,003,049	158,693,010	24,707,148	20,679,907	21,520,661
10	To foreign transmission lines	76,044,144	123,797,214	15,023,211	14,283,852	15,787,681
11	To industrial consumers	57,491	32,831	-	630	4,677
12	To others	870	835	163	178	141
13	Total net deliveries	198,105,554	282,523,890	39,730,522	34,964,567	37,313,160
14	To storage	15,376,616	21,295,763	-	803,723	1,397,462
15	Transfers to Canadian transmission systems	99,302,279	179,094,309	20,729,798	19,997,934	22,021,273
16	Re-delivered to distribution systems	3,648,460	4,253,295	2,169,055	924,000	574,131
17	Total gross deliveries	316,432,909	487,167,257	62,629,375	56,690,224	61,306,026
18	Pipeline fuel	2,976,155	7,532,613	937,806	977,756	1,015,409
19	Pipeline losses and metering differences	1,156,109	2,161,767	120,648	106,846	175,409
20	Line pack fluctuations	70,320	10,510	126,349	405,396	-167,088
21	Total disposition of gross receipts	320,635,493	496,872,147	63,814,178	58,180,222	62,329,756

TABLE 4. Natural Gas Transmission by Month

September, 1961

Mcf.

April	May	June	July	August	September	October	November	December	No.
10,720,815	10,190,148	8,611,148	8,601,391	9,202,012	9,692,837				1
23,113,413	21,211,882	18,553,673	17,140,483	19,819,130	20,202,400				2
703,111	772,582	827,004	898,535	900,449	798,627				3
34,537,339	32,174,612	27,991,825	26,640,409	29,921,591	30,693,864				4
1,685,359	1,019,486	1,105,848	1,385,111	8,969	-				5
20,963,700	19,313,804	17,945,451	17,733,724	19,919,705	20,468,920				6
571,984	1,385,343	2,102,051	2,020,599	2,614,714	343,856				7
57,758,382	53,893,245	49,145,175	47,779,843	52,464,706	51,506,640				8
19,456,192	16,806,394	13,909,130	12,498,724	14,627,730	14,487,124				9
13,970,471	14,459,312	13,187,296	12,969,280	12,085,446	12,030,665				10
2,337	5,167	4,988	5,288	5,171	4,573				11
113	83	40	34	26	57				12
33,429,113	31,270,956	27,101,454	25,473,326	26,718,373	26,522,419				13
1,798,821	2,736,603	3,322,353	3,431,485	4,615,877	3,189,439				14
20,963,700	19,313,804	17,945,451	17,733,724	19,919,705	20,468,920				15
111,307	106,192	94,933	87,609	90,350	95,718				16
56,302,941	53,427,555	48,464,191	46,726,144	51,344,305	50,276,496				17
940,358	729,260	696,863	611,226	837,277	786,658				18
310,830	225,080	256,415	336,102	190,791	439,646				19
204,253	-488,650	-272,294	106,371	92,333	3,840				20
57,758,382	53,893,245	49,145,175	47,779,843	52,464,706	51,506,640				21



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