

IND-SB-2-(13)

May 27, 1966

GAS UTILITIES 1964INDEX

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REVIEW OF SURVEY RESULTS

The gas utilities industry during 1964 showed continued financial growth and physical expansion. Pipeline mileage approximating the driving distance of the Trans Canada highway from Calgary to Montreal was added to gathering, transmission and distribution systems with 21 new compressor stations being installed during the year to increase their rated horsepower capacity by 32.3%. The total cost of these and other additions to plant property and equipment during the year amounted to \$241 million, bringing the total investment in fixed assets to \$2,180 million of which \$288 million has been charged against income for accumulated depreciation.

Net operating revenues of the natural gas utilities industry in Canada during 1964 increased 16.3% over 1963 (\$202.7 million 1964, \$173.8 million 1963) and provided the major source of funds available for its expansion. Increased long term debt in amount of \$82.3 million, increased ownership equity \$40.4 million and non-operating revenues and other sources of \$24.1 million were also significant contributing factors.

Significant applications of funds during the year over and above the net acquisition of fixed assets of \$218.6 million, were: payments of interest on long term debt \$74.2 million, \$33.1 million in dividend to equity owners, and \$13.3 million in income taxes by privately owned gas utilities.

Major additions to mileage of operating pipe lines were completed by both transmission and distribution companies. Alberta Gas Trunk Line Company Limited added 117 miles of main line and looped 87 miles of existing line. Trans-Canada Pipe Lines Limited completed the looping of their existing line with 100 miles in Saskatchewan and 50 miles in Manitoba. The Saskatchewan Power Corporation added another 195 miles to their transmission line, and 59 miles to their distribution system. Other major additions to distribution systems were, The Consumers' Gas Company 183 miles, British Columbia Hydro and Power Authority 150 miles and Greater Winnipeg Gas Company 78 miles.

The five largest companies in the transport system accounted for \$1,066 million in assets or 47.6% of the total assets of natural gas utility companies operating in Canada.

Total fiscal year revenues from gas sales amounted to \$423.8 million with distribution systems accounting for \$322.3 million and transport systems \$224.4 million.

Interprovincial transport systems showed net profits of \$18.3 million, up 29.8% from \$14.1 million in 1963 while intraprovincial transport systems increased their net incomes 13.0% to \$8.7 million from \$7.7 million in 1963.

Employees for the gas utilities totalled 11,027 and their earnings \$60.8 million. Average earnings per employee were \$5,511. In 1963 employees totalled 11,063, earnings \$58.5 million and average earnings per employee were \$5,289.

Sales of natural gas to ultimate customers within Canada during 1964 increased 11.7% to 504.5 from 451.6 MMcf. in 1963 and revenue from these sales increased 14.0% to \$328.0 from \$287.7 million. The number of natural gas customers increased to 1,506 from 1,449 thousand, while sales per customer increased to 344 from 323 Mcf. Average revenue per Mcf. was 65 cents and average revenue per customer \$224 as compared to 64 cents and \$206 respectively for 1963.

Sales per residential customer increased 8 Mcf. to 122, revenue per customer increased approximately \$8.50 to \$128 and revenue per Mcf. sold remained the same as in 1963 at \$1.04. Sales per industrial customer increased 380 Mcf. to 24,401, revenue per customer increased \$554 to \$9,214 and revenue per Mcf. increased 2 cents from the previous year's 36 cents. Commercial sales per customer increased 76 Mcf. to 709, revenue per customer increased \$54 to \$511 and revenue per Mcf. remained the same at 72 cents.

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Sales of natural gas for residential use increased to 163.6 MMMcf. from 145.9 MMMcf. in 1963. Largest sales volume was in Ontario, 42.1 per cent, followed by Alberta 25.9%, British Columbia 9.9%, Saskatchewan 9.5%, Manitoba 7.3%, Quebec 5.3% and a small amount in New Brunswick. Sales for industrial use increased to 257.4 MMMcf. from 235.4, Ontario accounting for 37.7%, followed by Alberta 33.7%, Saskatchewan 8.9%, Quebec 8.6%, British Columbia 8.1% and Manitoba 3.0%. Sales for commercial use increased to 83.5 MMMcf. from 70.4 MMMcf. with the largest portion of these sales in Alberta, 38.2%, followed by Ontario 34.1%, Manitoba 9.5%, Saskatchewan 8.8%, British Columbia 6.6% and Quebec 2.8%.

Sales of liquefied petroleum gases in pipe line systems increased 33.3% to 1,005 MMcf. from 753 MMcf. while sales of manufactured gas decreased 52.3% to 641 MMcf. from 1,345 MMcf. in 1963.

Peak sales of natural gas were recorded in December at 59.1 MMMcf. up 9.8% compared with the 1963 peak month of January at 53.8 MMMcf.

Total natural gas receipts from fields or processing plants, by gas utilities, amounted to 944.2 MMMcf., up 11.5% from the 846.9 MMMcf. in 1963. Imports increased to 9.6 MMMcf. from 6.8 MMMcf. Other receipts, including liquefied petroleum gases used for peak shaving and other temporary uses, increased to 333 MMcf. from 257 MMcf.

Receipts from storage during the year amounted to 27.2 MMMcf. down slightly from 27.6 MMMcf., while deliveries to storage amounted to 35.5 MMMcf., also down slightly from 36.0 MMMcf. during 1963. Net increase of gas in storage during the year was 8.3 MMMcf. These storage facilities are used to satisfy peak seasonal demands and are located in three provinces, Ontario, Saskatchewan and Alberta.

Alberta dominated the supply picture, accounting for 780.6 MMMcf. of the total 944.2 MMMcf. of marketable gas. Although the total production of natural gas was 1,317 MMMcf. only 944.2 MMMcf. were delivered to utilities with the remainder being placed in field injection, or storage operations, or used in field, gathering, or natural gas processing plant operations.

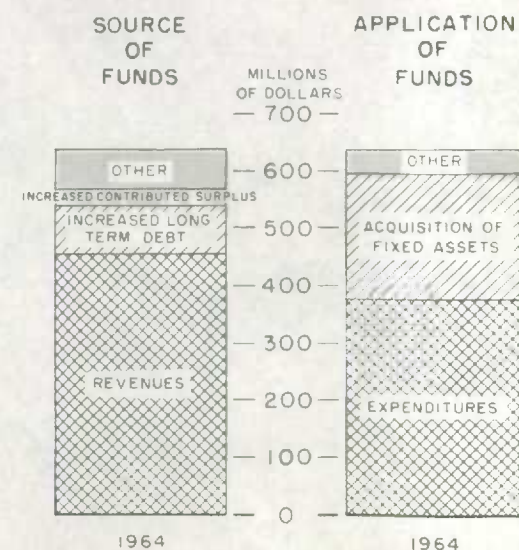
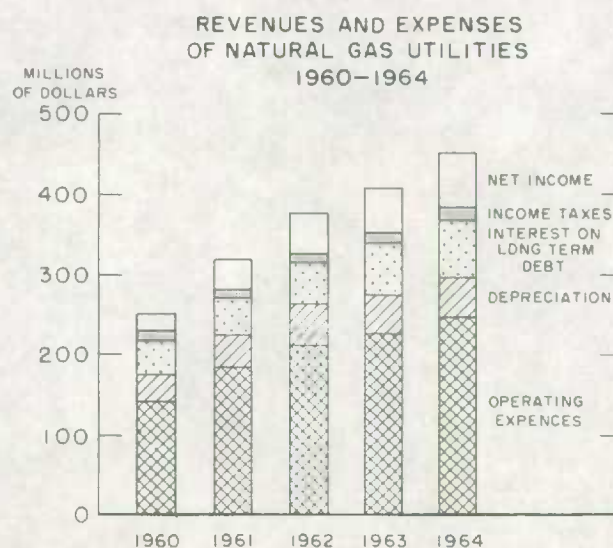
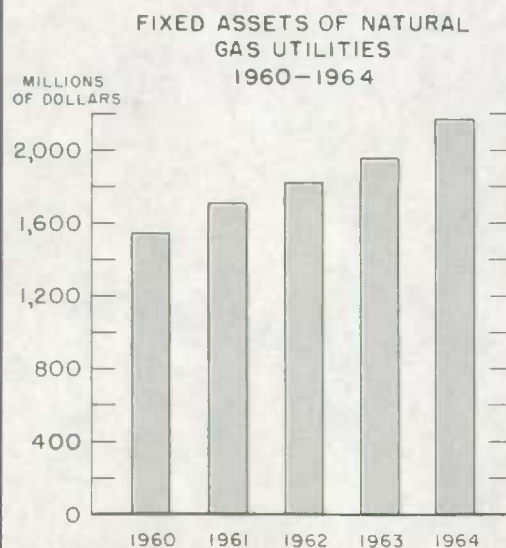
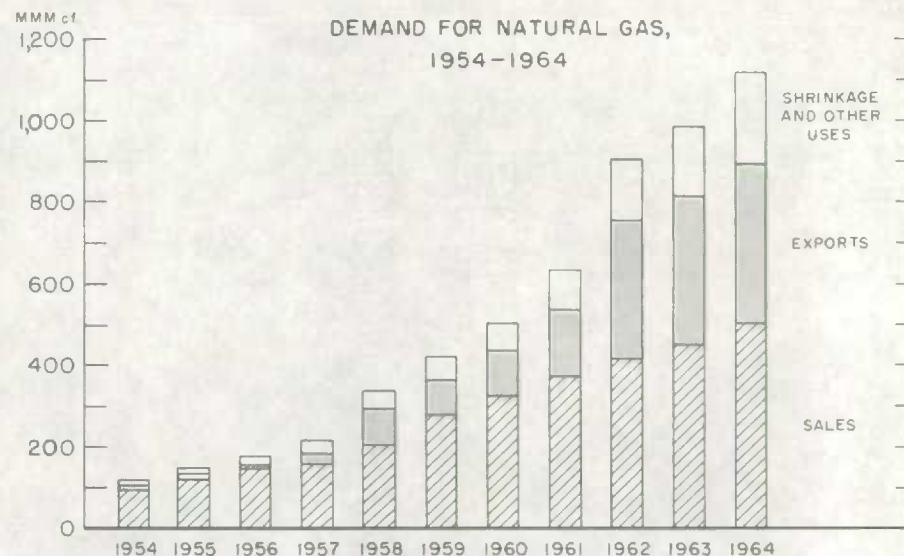
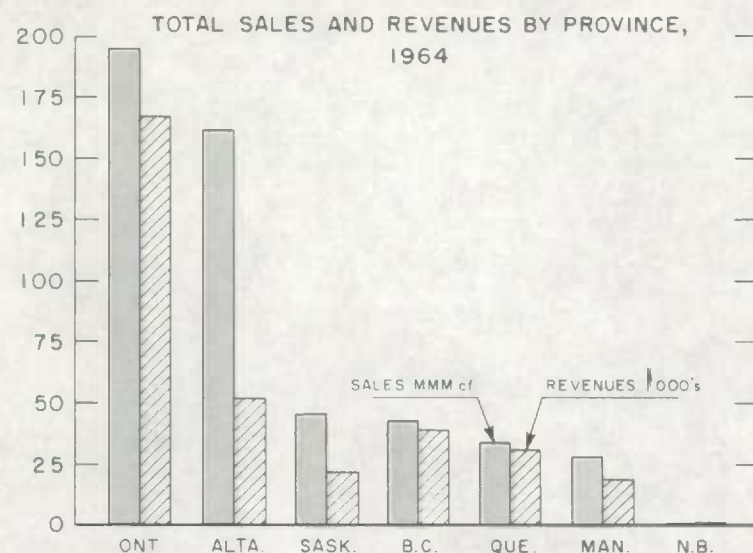
The total traffic through gas transport systems was estimated at 671 trillion cubic feet miles or 15,309 million ton miles compared with 580 trillion cubic feet, 13,233 ton miles in 1963. The gross margin per MMcf. mile was 18.4 cents (0.807 cents per ton mile) compared with 19.1 cents in 1963, and 19.7 cents in 1962. Gross margin per Mcf. of gas carried was 17.1 cents.

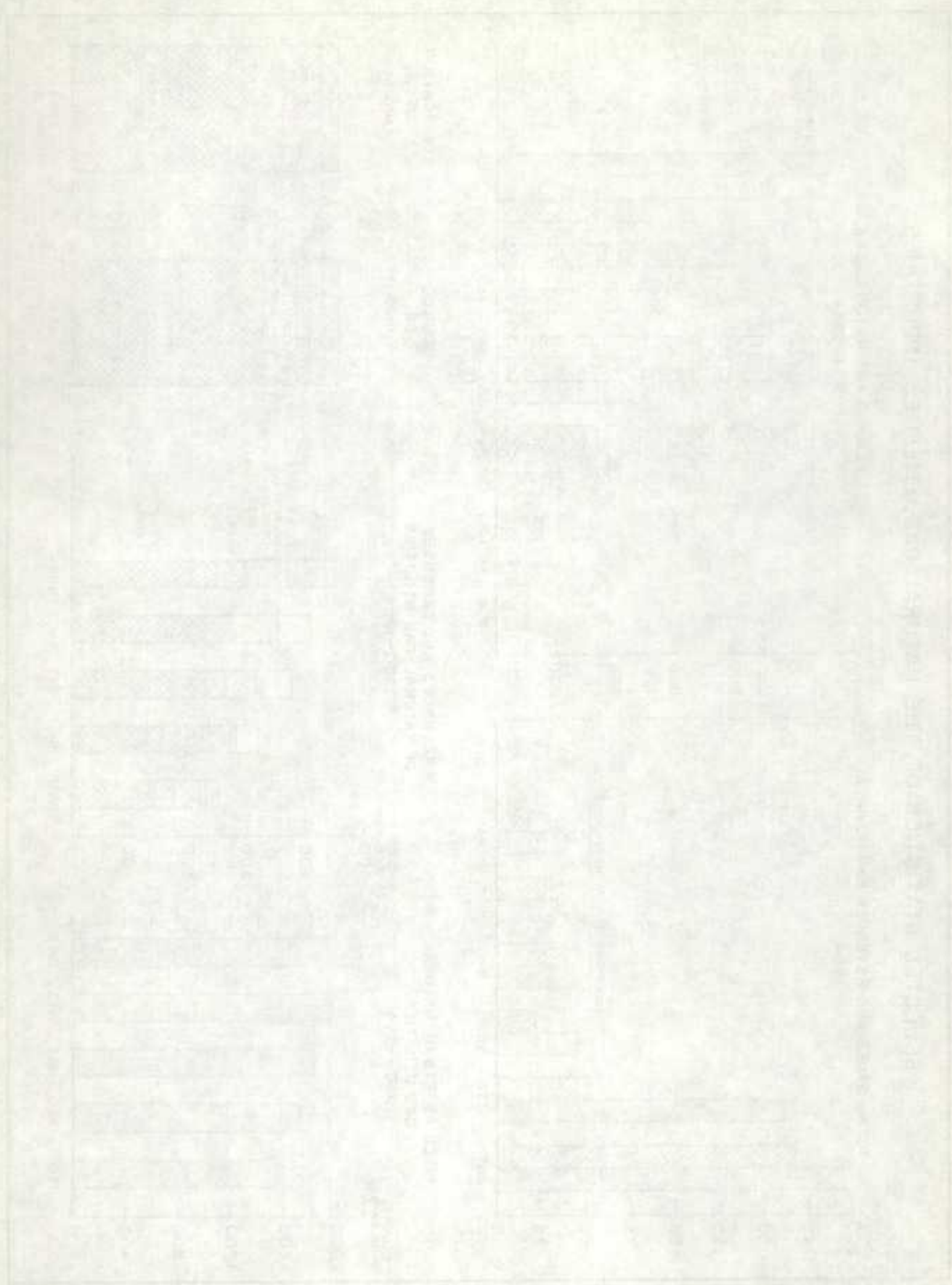
The average length of haul for transport systems was estimated at 929 miles compared with 895 miles last year with the average throughput per mile of line at 288,338 Mcf. per day, an increase of 7.2% from 269,059 Mcf. for 1963. The average throughput was 1,980,090 Mcf. per day.

Financial statistics contained in this bulletin were summarized from more detailed annual statements of this industry that will be published in our 1964 annual Gas Utilities report, catalogue No. 57-205. Commodity movement statistics contained herein were compiled from monthly figures contained in our Gas Utilities publication catalogue No. 55-002.

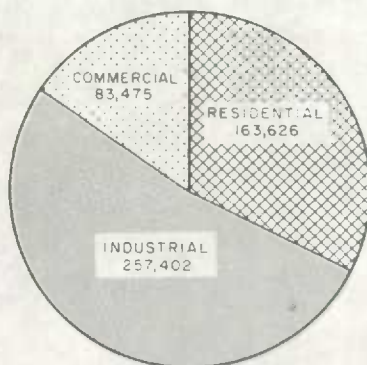
CHART-2

SELECTED STATISTICS OF THE NATURAL GAS UTILITIES INDUSTRIES



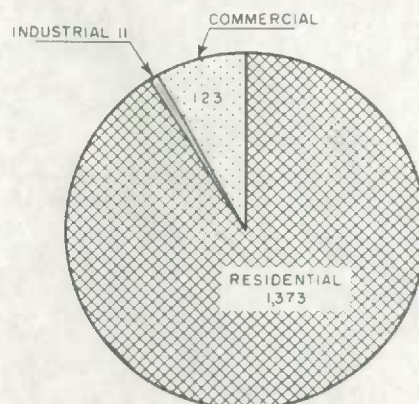


SALES BY CATEGORY OF SERVICE

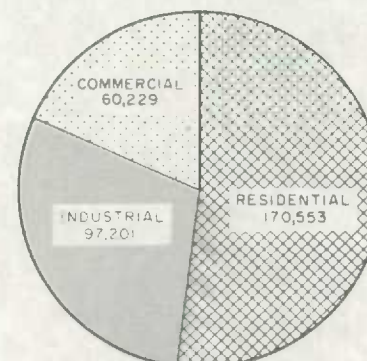


(504,503 THOUSAND Mcf)

CUSTOMERS BY CATEGORY OF SERVICE



(1,507 THOUSANDS)

REVENUES BY CATEGORY
OF SERVICE

(327,983 THOUSANDS
OF DOLLARS)

SALES BY MONTH, 1960-1964

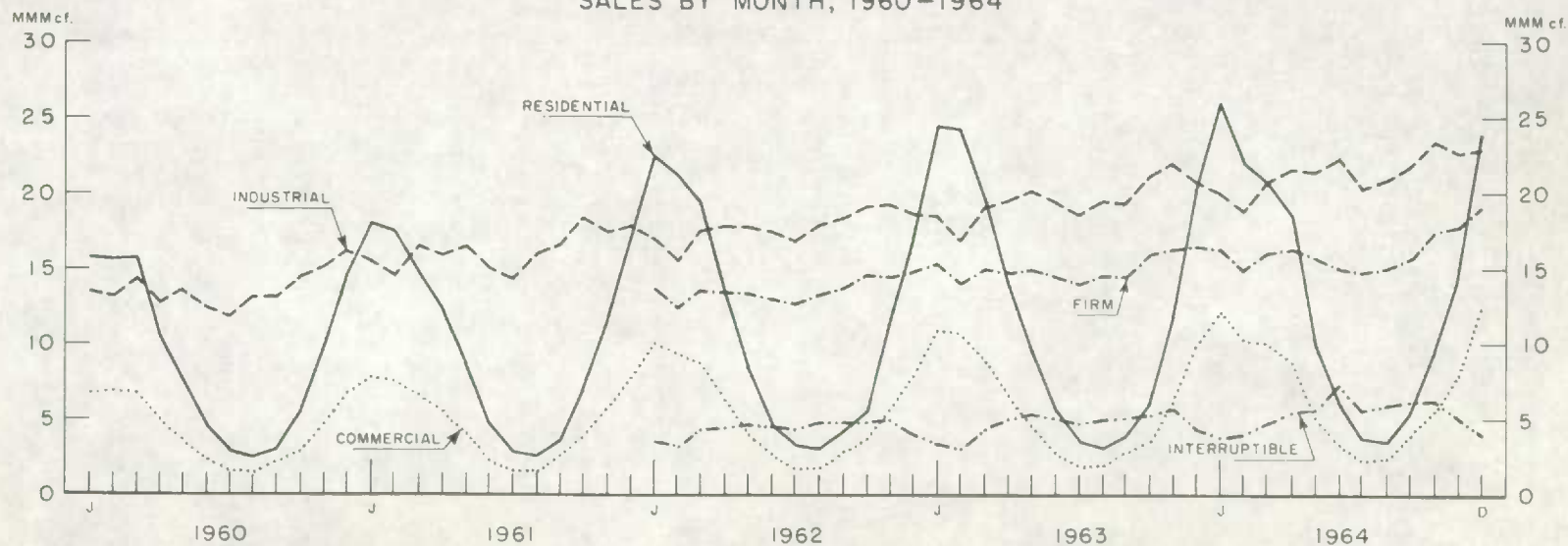


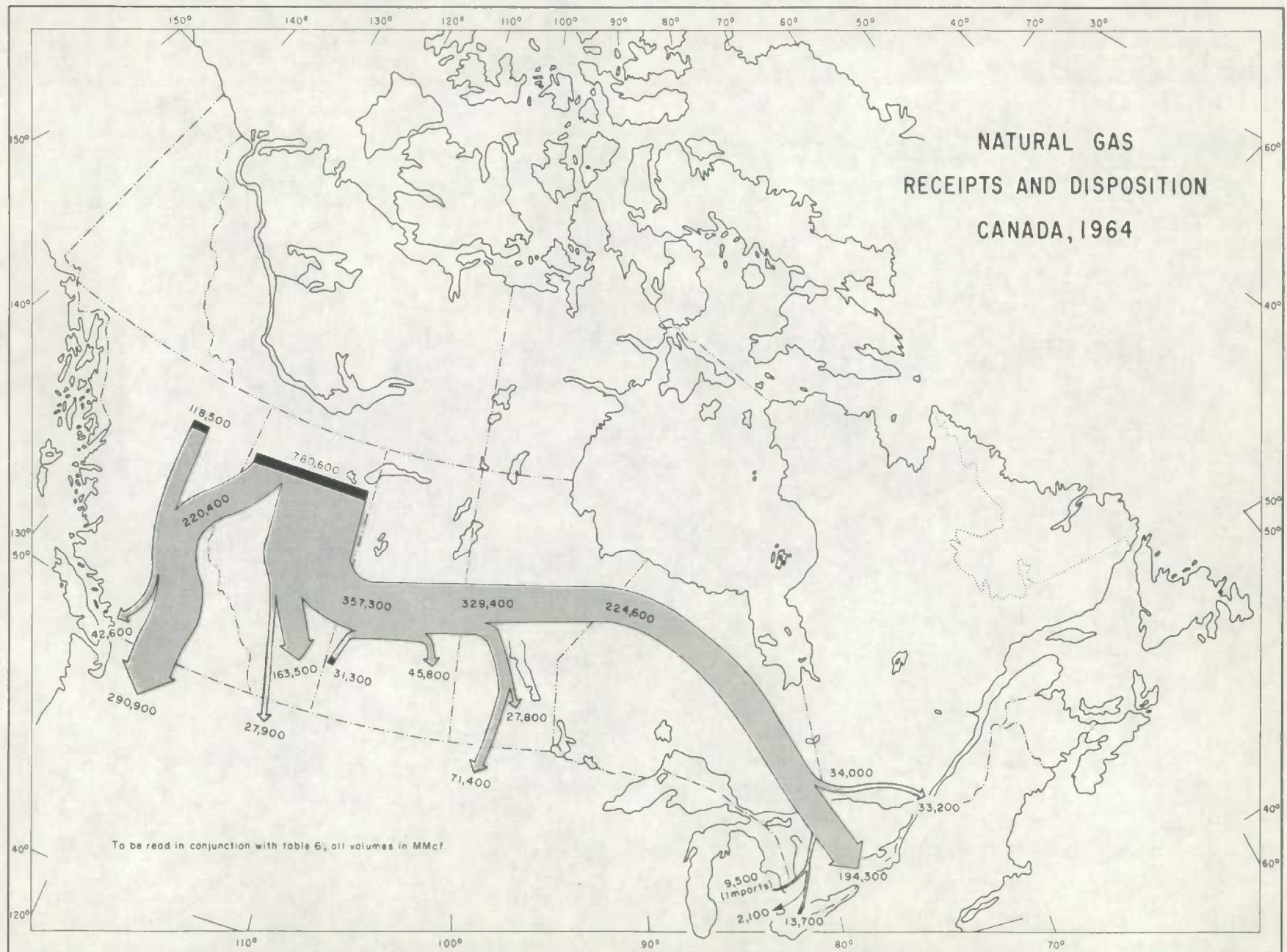


FIGURE 1. A. WAVEFORMS OF THE SIGNAL

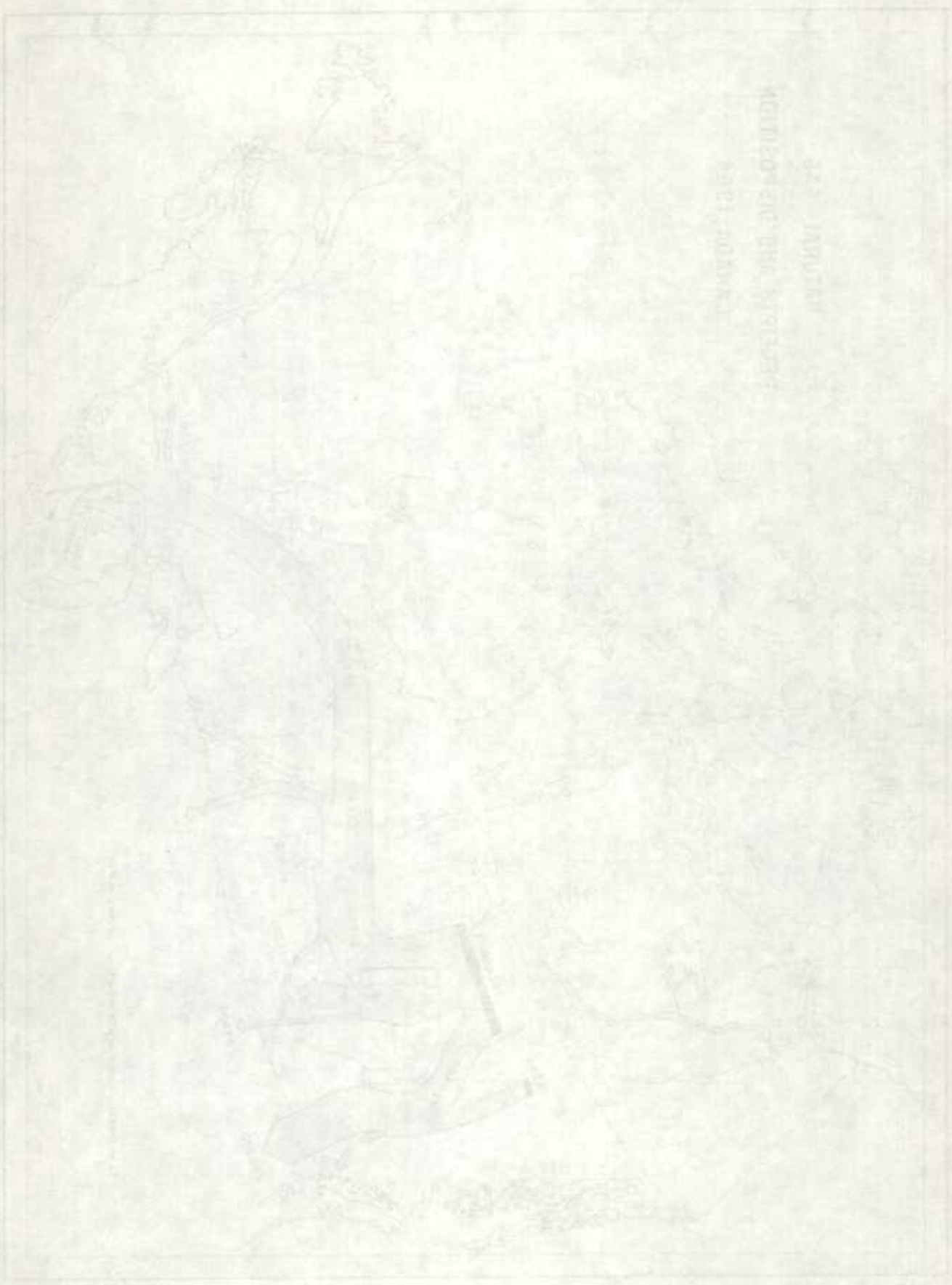


FIGURE 1. A. WAVEFORMS OF THE SIGNAL. B. C. D. E. F. CROSS-SECTIONS OF THE SPHERE. THE SPHERE IS DIVIDED INTO SEVEN REGIONS. THE REGIONS ARE Labeled A, B, C, D, E, F, AND G. THE SPHERE IS SHOWN IN A CROSS-SECTIONAL VIEW. THE SPHERE IS DIVIDED INTO SEVEN REGIONS. THE REGIONS ARE Labeled A, B, C, D, E, F, AND G. THE SPHERE IS SHOWN IN A CROSS-SECTIONAL VIEW.

NATURAL GAS RECEIPTS AND DISPOSITION CANADA, 1964



342 JANUARY
ACQUISITION OF THE BUREAU
1921-1922



Funds Flow Statement of the Natural Gas Utilities
for Years Ending December 31, 1961 to 1964

	1961	1962	1963	1964
millions of dollars				
<u>Application of funds</u>				
Operating and other expenses:				
Cost of gas sold(1)	80.3	93.3	106.3	124.5
Operating expenses	100.8	113.1	116.4	110.9
Interest on long term debt	48.0	52.7	66.9	74.2
Income taxes	10.6	11.1	12.0	13.3
Dividends - Preferred	4.0	4.7	4.4) 33.1
Common	10.8	27.7	18.8)
Acquisition of fixed assets	178.8	128.1	153.7	218.6
Increased deferred debits	-	-	9.2	-
Increased investments	9.6	10.6	20.1	18.3
Other	9.7	27.0	29.1	21.2
Increased working capital	29.2	-	-	5.7
Totals	481.8	468.3	536.9	619.8

Source of funds

Revenues:				
Sales(1)	292.7	350.7	388.0	424.3
Other operating revenues	17.1	18.4	8.5	13.5
Interest and dividend income	9.5	8.9	10.8	12.1
Decreased deferred debits	0.6	10.8	-	5.7
Increased long term debt	119.7	49.8	92.2	82.3
Increased deferred credits and reserves	-	3.6	8.4	-
Increased preferred stock) 36.6	2.5	7.0	(4.3
Increased common stock)			(8.1
Increased contributed surplus	-	-	-	28.0
Other	5.6	0.3	9.2	6.3
Decreased working capital	-	23.3	12.8	35.2
Totals	481.8	468.3	536.9	619.8

(1) Intercompany transactions eliminated.

Annual Flow Statement of the National Gas Utility
for the Ending Period of 1961 to 1964

1964	1963	1962	1961	Millions of Dollars
Operating and Other Expenses	124.7	108.3	80.3	
Cost of Gas Sold	410.9	316.9	200.8	
Operating Expenses	40.9	32.3	20.0	
Interest on Long-Term Debt	11.1	12.0	10.0	
Income Taxes	2.7	4.0	4.0	
Depreciation - Buildings	18.8	17.3	16.8	
Depreciation - Equipment	128.8	103.7	75.8	
Amortization of Intangible Assets	0.0	0.0	0.0	
Income from Operations	18.1	10.4	8.0	
Income from Other Sources	24.2	20.1	17.1	
Income before Federal Income Tax	2.3	-	2.3	
Federal Income Tax	0.0	0.0	0.0	

1964	1963	1962	1961	Millions of Dollars
Operating and Other Expenses	124.7	108.3	80.3	
Cost of Gas Sold	410.9	316.9	200.8	
Operating Expenses	40.9	32.3	20.0	
Interest on Long-Term Debt	11.1	12.0	10.0	
Income Taxes	2.7	4.0	4.0	
Depreciation - Buildings	18.8	17.3	16.8	
Depreciation - Equipment	128.8	103.7	75.8	
Amortization of Intangible Assets	0.0	0.0	0.0	
Income from Operations	18.1	10.4	8.0	
Income from Other Sources	24.2	20.1	17.1	
Income before Federal Income Tax	2.3	-	2.3	
Federal Income Tax	0.0	0.0	0.0	

(1) Information is presented in thousands of dollars.

Income Statement of Gas Utilities, 1964

	Natural gas distribution systems				Total	Natural gas transport systems	Total natural gas utilities	Manufactured and L.P.G. systems		Total utilities
	Eastern Canada		Western Canada					Publicly operated	Privately operated	
	Publicly operated	Privately operated	Publicly operated	Privately operated						
millions of dollars(1)										
Operating revenue	2.4	194.3	53.6	78.1	328.4	232.4	437.9(2)	1.2	1.7	440.8
Operating expenses:										
Gas supply	1.4	99.8	16.1	27.4	144.7	102.6	124.5(2)	0.6	0.4	125.5
Transmission operation	-	0.2	1.1	0.6	1.9	12.7	14.5	-	-	14.5
Distribution operation	0.1	11.3	4.3	4.7	20.4	-	20.4	0.2	0.1	20.7
Other operations	-	0.9	2.9	2.9	6.7	5.6	12.3	-	0.4	12.7
Other:										
Administrative	0.2	22.7	2.1	7.2	32.2	6.3	38.5	0.2	0.5	39.2
Maintenance	0.1	4.7	-	2.1	6.9	3.9	10.8	-	0.2	11.0
Municipal and other taxes	-	4.8	0.7	4.0	9.5	5.4	14.9	-	0.1	15.0
Other	-	0.6	-	-	0.6	(1.1)	(0.5)	-	-	(0.5)
Total operating expenses	1.8	145.0	27.2	48.9	222.9	135.4	235.4	1.0	1.7	238.1
Net revenue from operations	0.6	49.3	26.4	29.2	105.5	97.0	202.5	0.2	-	202.7
Other income:										
Investment income	-	1.2	-	0.7	1.9	1.2	3.2	-	-	3.2
Income from affiliated companies	-	5.3	-	0.2	5.5	0.6	6.1	-	-	6.1
Sinking and other fund income	-	-	1.1	-	1.1	0.1	1.3	-	-	1.3
Other	-	0.9	-	0.5	1.4	0.2	1.6	-	-	1.6
Other deductions:										
Depreciation	-	11.9	5.7	6.8	24.4	26.9	51.3	0.2	-	51.5
Amortization	0.1	0.9	-	0.1	1.1	-	1.2	-	0.1	1.3
Other	-	1.8	-	0.6	2.4	1.1	3.5	-	-	3.5
Fixed charges:										
Interest on long term debt	0.2	16.4	10.9	6.1	33.6	38.9	72.5	0.1	0.1	72.7
Interest on amounts due affiliates	-	1.1	-	0.3	1.4	0.4	1.7	-	-	1.7
Other	-	0.6	-	0.2	0.8	1.5	2.3	-	-	2.3
Net income before income taxes	0.3	24.0	10.9	16.5	51.7	30.3	82.0	(0.1)	(0.2)	81.7
Provision for income taxes	-	3.5	-	6.5	10.0	3.2	13.3	-	-	13.3
Net income after taxes	0.3	20.5	10.9	10.0	41.7	27.1	68.7	(0.1)	(0.2)	68.4

(1) Minor addition differences due to rounding to millions of dollars.

(2) Intercompany transaction eliminated.

Balance Sheet of Gas Utilities, 1964

	Natural gas distribution systems					Natural gas transport systems	Total natural gas utilities	Manufactured and liquefied petroleum gases systems		Total utilities
	Eastern Canada		Western Canada		Total					
	Publicly operated	Privately operated	Publicly operated	Privately operated						
millions of dollars										
<u>Assets</u>										
Current Assets:										
Cash & temporary investments	0.3	6.3	11.0	7.6	25.2	9.4	34.6	-	-	34.6
Special deposits	-	0.1	-	-	0.1	3.5	3.6	-	-	3.6
Accounts receivable	0.3	40.3	2.3	12.4	55.3	27.6	82.9	-	0.3	83.2
Materials & supplies	-	4.3	1.7	1.2	7.2	4.3	11.5	-	0.2	11.7
Gas-underground storage & line pack	-	6.2	0.5	-	6.7	2.7	9.4	-	-	9.4
Other current assets	0.1	4.9	0.2	1.7	6.9	0.3	7.2	-	-	7.2
Investments:										
Investments in affiliated companies	-	65.5	-	6.7	72.2	41.5	113.7	-	-	113.7
Other investments	-	11.5	20.9	2.0	34.4	13.1	47.5	-	0.2	47.7
Plant, property and equipment	5.4	553.3	249.6	274.2	1,082.5	1,085.8	2,168.3	5.9	6.7	2,180.9
Less: accumulated depreciation	0.9	73.2	33.6	57.7	165.4	118.0	283.4	2.2	2.5	288.1
Deferred debits	-	17.4	2.4	6.6	26.4	17.7	44.1	-	0.2	44.3
Total assets	5.2	636.6	255.0	254.7	1,151.5	1,087.9	2,239.4	3.7	5.1	2,248.2
<u>Liabilities and net worth</u>										
Current liabilities:										
Short term loans	0.1	44.2	1.0	9.2	54.5	27.2	81.7	-	0.7	82.4
Accounts payable - Trade	0.3	13.8	1.5	5.9	21.5	24.7	46.2	-	0.4	46.6
Affiliated Co's	-	12.1	-	0.2	12.3	2.3	14.6	-	0.5	15.1
Interest and dividends payable	-	6.2	2.7	3.4	12.3	12.4	24.7	-	-	24.7
Accrued taxes	-	1.8	-	4.5	6.3	1.9	8.2	-	-	8.2
Long term debt - current year	-	6.6	2.0	2.8	11.4	22.1	33.5	-	0.2	33.7
Other current liabilities	-	5.4	0.6	2.6	8.6	0.7	9.3	-	-	9.3
Deferred credits	-	0.6	1.1	1.3	3.0	9.3	12.3	-	-	12.3
Accumulated tax reductions:										
Applicable to future years	-	6.3	-	2.5	8.8	3.0	11.8	-	-	11.8
Insurance and other reserves	-	0.3	-	3.4	3.7	-	3.7	-	-	3.7
Long term debt	3.4	283.0	138.7	109.1	534.2	742.0	1,276.2	1.1	3.8	1,281.1
Advances from affiliated companies ..	-	24.8	87.6	7.2	119.6	3.2	122.8	2.6	1.4	126.8
Interest of minority shareholders in subsidiaries	-	-	-	-	-	-	-	-	-	-
Capital stock and surplus:										
Preferred	-	46.8	-	28.3	75.1	25.1	100.2	-	-	100.2
Common	-	95.2	-	36.8	132.0	97.2	229.2	-	0.6	229.8
Contributed surplus	-	18.8	1.7	1.8	22.3	76.0	98.3	-	-	98.3
Retained earnings	1.4	41.4	18.1	35.7	96.6	40.8	137.4	-	(2.5)	134.9
Excess of appraised value of fixed assets over (depreciated) cost ..	-	29.3	-	-	29.3	-	29.3	-	-	29.3
Total liabilities and net worth ..	5.2	636.6	255.0	254.7	1,151.5	1,087.9	2,239.4	3.7	5.1	2,248.2

Station	Time	Lat	Long	Depth	Temp	Wind	Wave	Cloud	Remarks
101	0000	30 00	155 00	1000	20.0	10	10	10	Clear
102	0100	30 05	155 05	1000	20.5	10	10	10	Clear
103	0200	30 10	155 10	1000	21.0	10	10	10	Clear
104	0300	30 15	155 15	1000	21.5	10	10	10	Clear
105	0400	30 20	155 20	1000	22.0	10	10	10	Clear
106	0500	30 25	155 25	1000	22.5	10	10	10	Clear
107	0600	30 30	155 30	1000	23.0	10	10	10	Clear
108	0700	30 35	155 35	1000	23.5	10	10	10	Clear
109	0800	30 40	155 40	1000	24.0	10	10	10	Clear
110	0900	30 45	155 45	1000	24.5	10	10	10	Clear
111	1000	30 50	155 50	1000	25.0	10	10	10	Clear
112	1100	30 55	155 55	1000	25.5	10	10	10	Clear
113	1200	31 00	156 00	1000	26.0	10	10	10	Clear
114	1300	31 05	156 05	1000	26.5	10	10	10	Clear
115	1400	31 10	156 10	1000	27.0	10	10	10	Clear
116	1500	31 15	156 15	1000	27.5	10	10	10	Clear
117	1600	31 20	156 20	1000	28.0	10	10	10	Clear
118	1700	31 25	156 25	1000	28.5	10	10	10	Clear
119	1800	31 30	156 30	1000	29.0	10	10	10	Clear
120	1900	31 35	156 35	1000	29.5	10	10	10	Clear
121	2000	31 40	156 40	1000	30.0	10	10	10	Clear
122	2100	31 45	156 45	1000	30.5	10	10	10	Clear
123	2200	31 50	156 50	1000	31.0	10	10	10	Clear
124	2300	31 55	156 55	1000	31.5	10	10	10	Clear
125	0000	32 00	157 00	1000	32.0	10	10	10	Clear
126	0100	32 05	157 05	1000	32.5	10	10	10	Clear
127	0200	32 10	157 10	1000	33.0	10	10	10	Clear
128	0300	32 15	157 15	1000	33.5	10	10	10	Clear
129	0400	32 20	157 20	1000	34.0	10	10	10	Clear
130	0500	32 25	157 25	1000	34.5	10	10	10	Clear
131	0600	32 30	157 30	1000	35.0	10	10	10	Clear
132	0700	32 35	157 35	1000	35.5	10	10	10	Clear
133	0800	32 40	157 40	1000	36.0	10	10	10	Clear
134	0900	32 45	157 45	1000	36.5	10	10	10	Clear
135	1000	32 50	157 50	1000	37.0	10	10	10	Clear
136	1100	32 55	157 55	1000	37.5	10	10	10	Clear
137	1200	33 00	158 00	1000	38.0	10	10	10	Clear
138	1300	33 05	158 05	1000	38.5	10	10	10	Clear
139	1400	33 10	158 10	1000	39.0	10	10	10	Clear
140	1500	33 15	158 15	1000	39.5	10	10	10	Clear
141	1600	33 20	158 20	1000	40.0	10	10	10	Clear
142	1700	33 25	158 25	1000	40.5	10	10	10	Clear
143	1800	33 30	158 30	1000	41.0	10	10	10	Clear
144	1900	33 35	158 35	1000	41.5	10	10	10	Clear
145	2000	33 40	158 40	1000	42.0	10	10	10	Clear
146	2100	33 45	158 45	1000	42.5	10	10	10	Clear
147	2200	33 50	158 50	1000	43.0	10	10	10	Clear
148	2300	33 55	158 55	1000	43.5	10	10	10	Clear
149	0000	34 00	159 00	1000	44.0	10	10	10	Clear
150	0100	34 05	159 05	1000	44.5	10	10	10	Clear
151	0200	34 10	159 10	1000	45.0	10	10	10	Clear
152	0300	34 15	159 15	1000	45.5	10	10	10	Clear
153	0400	34 20	159 20	1000	46.0	10	10	10	Clear
154	0500	34 25	159 25	1000	46.5	10	10	10	Clear
155	0600	34 30	159 30	1000	47.0	10	10	10	Clear
156	0700	34 35	159 35	1000	47.5	10	10	10	Clear
157	0800	34 40	159 40	1000	48.0	10	10	10	Clear
158	0900	34 45	159 45	1000	48.5	10	10	10	Clear
159	1000	34 50	159 50	1000	49.0	10	10	10	Clear
160	1100	34 55	159 55	1000	49.5	10	10	10	Clear
161	1200	35 00	160 00	1000	50.0	10	10	10	Clear
162	1300	35 05	160 05	1000	50.5	10	10	10	Clear
163	1400	35 10	160 10	1000	51.0	10	10	10	Clear
164	1500	35 15	160 15	1000	51.5	10	10	10	Clear
165	1600	35 20	160 20	1000	52.0	10	10	10	Clear
166	1700	35 25	160 25	1000	52.5	10	10	10	Clear
167	1800	35 30	160 30	1000	53.0	10	10	10	Clear
168	1900	35 35	160 35	1000	53.5	10	10	10	Clear
169	2000	35 40	160 40	1000	54.0	10	10	10	Clear
170	2100	35 45	160 45	1000	54.5	10	10	10	Clear
171	2200	35 50	160 50	1000	55.0	10	10	10	Clear
172	2300	35 55	160 55	1000	55.5	10	10	10	Clear
173	0000	36 00	161 00	1000	56.0	10	10	10	Clear
174	0100	36 05	161 05	1000	56.5	10	10	10	Clear
175	0200	36 10	161 10	1000	57.0	10	10	10	Clear
176	0300	36 15	161 15	1000	57.5	10	10	10	Clear
177	0400	36 20	161 20	1000	58.0	10	10	10	Clear
178	0500	36 25	161 25	1000	58.5	10	10	10	Clear
179	0600	36 30	161 30	1000	59.0	10	10	10	Clear
180	0700	36 35	161 35	1000	59.5	10	10	10	Clear
181	0800	36 40	161 40	1000	60.0	10	10	10	Clear
182	0900	36 45	161 45	1000	60.5	10	10	10	Clear
183	1000	36 50	161 50	1000	61.0	10	10	10	Clear
184	1100	36 55	161 55	1000	61.5	10	10	10	Clear
185	1200	37 00	162 00	1000	62.0	10	10	10	Clear
186	1300	37 05	162 05	1000	62.5	10	10	10	Clear
187	1400	37 10	162 10	1000	63.0	10	10	10	Clear
188	1500	37 15	162 15	1000	63.5	10	10	10	Clear
189	1600	37 20	162 20	1000	64.0	10	10	10	Clear
190	1700	37 25	162 25	1000	64.5	10	10	10	Clear
191	1800	37 30	162 30	1000	65.0	10	10	10	Clear
192	1900	37 35	162 35	1000	65.5	10	10	10	Clear
193	2000	37 40	162 40	1000	66.0	10	10	10	Clear
194	2100	37 45	162 45	1000	66.5	10	10	10	Clear
195	2200	37 50	162 50	1000	67.0	10	10	10	Clear
196	2300	37 55	162 55	1000	67.5	10	10	10	Clear
197	0000	38 00	163 00	1000	68.0	10	10	10	Clear
198	0100	38 05	163 05	1000	68.5	10	10	10	Clear
199	0200	38 10	163 10	1000	69.0	10	10	10	Clear
200	0300	38 15	163 15	1000	69.5	10	10	10	Clear

Property Account of Gas Utilities, 1963-64

	Total as at December 31, 1963	Additions 1964	Retirements 1964	Other changes 1964	Balance December 31, 1964	Eastern Canada	Western Canada
millions of dollars							
Natural gas distribution systems:							
Intangible plant	18.6	0.2	-	(0.3)	18.5	0.8	17.7
Production plant	57.9	2.9	0.2	(1.8)	58.8	3.8	55.0
Gathering plant	23.8	4.4	0.1	-	28.1	1.8	26.3
Products extraction plant	2.1	-	-	-	2.1	0.1	2.0
Manufactured gas plant	16.0	-	-	-	16.0	15.7	0.3
Underground storage plant	4.5	0.9	0.2	(0.1)	5.1	0.6	4.5
Transmission plant	144.2	6.3	1.3	(2.2)	147.0	16.4	130.6
Distribution plant	624.2	63.4	3.8	(5.0)	678.8	434.4	244.4
Local storage plant	9.1	2.2	-	0.5	11.8	9.6	2.2
General plant	71.5	14.3	4.6	(1.2)	80.0	49.9	30.1
Undistributed plant	33.3	(2.1)	0.6	5.7	36.3	25.5	10.8
Total	1,005.2	92.5	10.8	(4.4)	1,082.5	558.6	523.9
Natural gas transport systems:							
Intangible plant	13.1	-	-	-	13.1		
Gathering plant	17.7	5.4	0.4	-	22.7		
Products extraction plant	21.2	4.8	-	-	26.0		
Underground storage plant	7.4	0.9	-	-	8.3		
Transmission plant	793.7	54.6	1.2	8.2	855.3		
General plant	9.2	1.3	0.6	-	9.9		
Undistributed plant	82.2	80.9	-	(12.6)	150.5		
Total	944.5	147.9	2.2	(4.4)	1,085.8		
Total natural gas utilities:							
Intangible plant	31.7	0.2	-	(0.3)	31.6		
Production plant	57.9	2.9	0.2	(1.8)	58.8		
Gathering plant	41.5	9.8	0.5	-	50.8		
Products extraction plant	23.3	4.8	-	-	28.1		
Manufactured gas plant	16.0	-	-	-	16.0		
Underground storage plant	11.9	1.8	0.2	(0.1)	13.4		
Transmission plant	937.9	60.9	2.5	6.0	1,002.3		
Distribution plant	624.2	63.4	3.8	(5.0)	678.8		
Local storage plant	9.1	2.2	-	0.5	11.8		
General plant	80.7	15.6	5.2	(1.2)	89.9		
Undistributed plant	115.5	78.8	0.6	(6.9)	186.8		
Total	1,949.7	240.4	13.0	(8.8)	2,168.3		
Manufactured and liquefied petroleum gases systems:							
Intangible plant	0.7	-	-	-	0.7		
Manufactured gas plant	1.0	-	-	-	1.0		
Distribution plant	7.9	0.4	0.2	-	8.1		
Local storage plant	0.4	-	-	-	0.4		
General plant	2.2	0.2	0.1	0.1	2.4		
Undistributed plant	-	-	-	-	-		
Total	12.2	0.6	0.3	0.1	12.6		
Total all utilities	1,961.9	241.0	13.3	(8.7)	2,180.9		

Gas Sales by Category of Service and Province, 1964

	Number of customers at December 31	Average number of customers during year	Gas sold	Revenue	Sales per customer	Revenue per customer	Revenue per Mcf.
	000's		MMMcF.	millions of dollars	Mcf.	\$	\$
Natural gas sales:							
Residential:							
New Brunswick ..	2.4	2.4	0.1	0.2	26	84	3.24
Quebec	209.4	213.2	8.7	16.2	41	76	1.86
Ontario	606.9	586.0	68.8	85.9	118	147	1.25
Manitoba	78.8	74.4	12.0	10.9	161	146	0.90
Saskatchewan ...	93.9	90.3	15.5	11.8	171	131	0.77
Alberta	226.4	220.9	42.3	23.4	192	106	0.55
British Columbia	155.1	149.4	16.2	22.2	108	148	1.37
Canada	1,372.9	1,336.6	163.6	170.6	122	128	1.04
Industrial:							
New Brunswick ..	-	-	-	-	-	-	-
Quebec	2.3	2.3	22.1	10.9	9,520	4,674	0.49
Ontario	6.4	6.2	97.0	52.9	15,690	8,559	0.55
Manitoba	0.2	0.2	7.8	2.5	35,195	11,193	0.32
Saskatchewan ...	0.5	0.5	23.0	5.8	44,467	11,194	0.25
Alberta	0.6	0.6	86.6	15.5	145,138	26,030	0.18
British Columbia	0.8	0.7	20.9	9.6	29,411	13,579	0.46
Canada	10.8	10.5	257.4	97.2	24,401	9,214	0.38
Commercial:							
New Brunswick ..	-	-	-	-	-	-	-
Quebec	9.6	9.8	2.3	3.3	237	338	1.42
Ontario	49.1	47.2	28.5	28.1	603	595	0.99
Manitoba	7.0	6.7	8.0	5.6	1,197	745	0.71
Saskatchewan ...	11.8	10.4	7.3	4.2	705	402	0.57
Alberta	25.1	24.3	31.9	12.6	1,313	518	0.39
British Columbia	20.2	19.4	5.5	6.4	285	331	1.16
Canada	122.8	117.8	83.5	60.2	709	511	0.72
Totals:							
New Brunswick ..	2.4	2.4	0.1	0.2	26	84	3.24
Quebec	221.3	225.3	33.1	30.4	147	135	0.92
Ontario	662.4	639.4	194.3	166.9	304	261	0.86
Manitoba	86.0	81.3	27.8	19.0	342	233	0.68
Saskatchewan ...	106.2	101.2	45.8	21.8	453	216	0.48
Alberta	252.1	245.8	160.8	51.5	654	209	0.32
British Columbia	176.1	169.5	42.6	38.2	251	226	0.90
Canada	1,506.5	1,464.9	504.5	328.0	344	224	0.65
Liquefied petroleum gases sales							
	17.5	..	1.0	1.8	58	106	1.83
Manufactured gas sales							
	3.6	..	0.6	0.5	179	139	0.78

.. Figures not available.

GAS UTILITIES

Natural Gas Pipe Line Mileage by Province, as at December 31, 1958-64(1)

	1958	1959	1960	1961	1962	1963	1964
	miles						
Gathering:							
New Brunswick	10.6	10.6	6.5	6.4	6.4	6.4	6.4
Quebec	-	-	-	-	-	-	-
Ontario	940.4	955.4	909.5	1,313.9	1,314.6	1,048.9	1,042.5
Manitoba	-	-	-	-	-	-	-
Saskatchewan	269.2	278.2	286.3	274.5	297.5	308.5	388.8
Alberta	1,675.9	1,857.6	2,067.6	2,439.5	2,540.0	2,919.6	3,070.7
British Columbia	212.5	337.5	410.4	429.4	409.1	409.0	409.1
Totals	3,108.6	3,439.3	3,680.3	4,463.7	4,567.6	4,692.4	4,917.5
Transmission:							
New Brunswick	11.4	11.4	13.4	13.4	13.4	13.4	13.4
Quebec	26.5	25.0	25.0	25.0	25.0	25.0	25.0
Ontario	3,466.1	3,528.6	3,565.9	3,135.0	3,140.7	3,265.1	3,365.4
Manitoba	375.0	391.3	444.0	456.9	496.0	631.1	731.4
Saskatchewan	1,395.2	1,782.9	2,102.5	2,274.3	2,566.0	2,831.8	3,081.0
Alberta	2,581.2	3,094.5	3,452.5	4,087.5	4,293.1	4,310.5	4,775.5
British Columbia	1,101.7	1,103.5	1,112.3	1,224.7	1,310.4	1,311.5	1,319.0
Totals	8,957.1	9,937.2	10,715.6	11,216.8	11,844.6	12,388.4	13,310.7
Distribution:							
New Brunswick	65.4	65.4	32.1	32.3	32.3	32.4	32.5
Quebec	971.1	1,027.4	1,115.1	1,123.6	1,143.9	1,202.5	1,262.7
Ontario	8,094.9	9,144.3	9,528.8	10,183.9	10,864.9	11,700.3	12,296.6
Manitoba	509.8	690.3	833.8	853.6	946.5	1,117.1	1,178.6
Saskatchewan	946.7	1,060.0	1,205.3	1,272.8	1,425.0	1,535.9	1,636.5
Alberta	2,201.9	2,455.0	2,675.6	2,895.7	3,099.6	3,224.2	3,383.4
British Columbia	2,379.9	2,709.3	3,028.3	3,182.8	3,427.5	3,646.7	3,843.3
Totals	15,169.7	17,151.7	18,419.0	19,544.7	20,939.7	22,459.1	23,633.6
Totals:							
New Brunswick	87.4	87.4	52.0	52.1	52.1	52.2	52.3
Quebec	997.6	1,052.4	1,140.1	1,148.6	1,168.9	1,227.5	1,287.7
Ontario	12,501.4	13,628.3	14,004.2	14,632.8	15,320.2	16,014.3	16,704.5
Manitoba	884.8	1,081.6	1,277.8	1,310.5	1,442.5	1,748.2	1,910.0
Saskatchewan	2,611.1	3,121.1	3,594.1	3,821.6	4,288.5	4,676.2	5,106.3
Alberta	6,459.0	7,407.1	8,195.7	9,422.7	9,932.7	10,454.3	11,229.6
British Columbia	3,694.1	4,150.3	4,551.0	4,836.9	5,147.0	5,367.2	5,571.4
Totals	27,235.4	30,528.2	32,814.9	35,225.2	37,351.9	39,539.9	41,861.8

(1) Includes pipe line mileage of producing companies.

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