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GAS UTILITIES

(DISTRIBUTION SYSTEMS)

1959



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DOMINION BUREAU OF STATISTICS

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57-205	Gas Utilities (Distribution Systems). Approx. 29 pp. Number of customers, gas sold and revenue from sales by type of customer and by province; gas receipts and deliveries by province; pipe line mileage; balance sheet, property account, income account, employees and earnings; integrated natural gas utilities and pipe line transport statistics; supply, demand and consumption of natural gas50
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SYMBOLS

The interpretation of the symbols used in the tables throughout this publication is as follows:

- .. figures not available.
- nil or zero.

GAS UTILITIES

(DISTRIBUTION SYSTEMS)

1959

INTRODUCTION

This report is the first of a new annual series dealing with the operations of utilities engaged in the distribution of natural and manufactured gas. It is designed to complement the previously published annual report, "Gas Pipe Line Transport, 1959" (Catalogue No. 55-202). Monthly statistics of gas sales have been compiled since 1942 while monthly statistics of gas pipe lines have been available from January, 1959.

The Dominion Bureau of Statistics appreciates the co-operation and the valuable technical advice received from the Statistics Committee of the Canadian Gas Association.

Although natural and manufactured gases have been utilized in Canada since late in the last century it is only recently that natural gas production, transportation and distribution have assumed major importance in the economy. The consumption and importance of manufactured gas has sharply diminished during the same period; for example, in 1954 nearly half of the sales revenue of gas utilities was from manufactured gas while five years later less than one per cent of the revenue was from this service. In 1954 only 5,200 miles of natural gas distribution lines were in operation; in 1959 this had more than tripled to over 17,000 miles.

This is a statistical report of the operations of gas utilities which are primarily engaged in the selling of manufactured or natural gas to ultimate consumers by pipe line distribution systems. Because of the major structural changes within the industry, and the inter-relationship of this industry with other phases of gas gathering and transmission operations, certain historical series and integrated statistics are presented in order to give an overall understanding of the position of this industry in Canada's economy.

It should be noted that many gas distribution utilities have extensive natural gas transmission operations. However, because these operations are not separable from their primary activity, natural gas distribution, and since the transmission operations do not form a sufficiently large portion of their total activity, there is no justification for including them in the natural gas pipe line transport industry.

Gas utility companies are defined as those companies which obtain the bulk of their revenue from the sale of gas to final consumers. The gas pipe line transport industry is defined as that industry which is engaged in the transportation of gas by pipe line from natural gas fields or

processing plants to local distribution systems, and obtain the bulk of their revenue from the sale of gas for resale.

This report is divided into four basic sections. Tables 1 to 6 deal with gas traffic, that is, the receipts and disposition of gas. Tables 7 and 8 cover the physical property of the industry and Tables 9 to 12 deal with the financial and employment statistics of the industry. The final portion of this report, Tables 13 to 20 attempt to consolidate significant statistics of natural gas transmission and distribution systems.

As in the oil and gas transport pipe line series the commodity statistics are presented to give a comprehensive picture of the gas flow; as a result natural gas receipts are made equal to natural gas disposition, which is composed of sales, deliveries to other companies, inventory changes, and fuel. In addition an item, "Metering differences . . .", includes the following items: the differences between meter readings within a system, certain line losses and unaccounted for due to small pipe line leakage, and cyclical billing adjustments. Cyclical billing adjustments arise because it is impossible for a company to bill all its customers in exactly the same time interval that it meters all its receipts.

In considering the gas distribution industry in its entirety the inter-company movements of gas must be recorded, but if included in total receipts would result in duplication. Total net receipts are therefore given as the total unduplicated receipts of gas into the Canadian gas distribution systems. Total gross receipts include the inter-company movement of gas and gas movements from storage areas of the industry. Similar adjustments are made to arrive at total net deliveries.

Although gas is handled at various pressures in the pipe line systems all volumes of gas have been converted to a common pressure base and as nearly as possible reflect a common B.T.U. content. All gas volumes in this report are measured in cubic feet of one thousand B.T.U. at 14.73 pounds per square inch absolute and at 60 degrees Fahrenheit (plus or minus 2 per cent). One Mcf. equals 1,000 cubic feet.

Certain distribution companies have acted as intermediaries in transferring gas between two transmission companies. In order to avoid duplication, the intermediate stages of this transfer are reported separately as "delivered to transmission systems for return" and "returned to distribution systems from transmission systems".

Gas sales categories are defined as follows:

- (a) **Residential:** Sales of gas at residential rates for residential use, including house heating, cooking, water heating, etc.
- (b) **Industrial:** Sales of natural gas at industrial rates, mainly to industrial and manufacturing concerns such as manufacturers of chemicals, machinery, textiles, food stuffs, foundries and machine shops. These sales include the sales of natural gas for heating purposes as well as raw materials for manufacturing processes. Certain very large commercial establishments such as large hotels or department stores may be included in this category.
- (c) **Commercial:** Sales of gas at commercial rates to hotels, restaurants, department stores, retail dealers, etc. are normally included in this category. However, certain very small industrial establishments may be included in this category.
- (d) **Miscellaneous:** All sales not classified above but not including sale for resale.

Review of Survey Results

Natural gas sales increased 76 million Mcf. in 1959 to a total of 283,230,089 Mcf., an increase of 36.4 per cent over 1958. Revenue in the same period increased 39.0 per cent to \$159,781,809 and the number of customers increased 8.3 per cent to 1,119,161. As a result of the conversion of several manufactured gas systems to natural gas, manufactured gas sales declined to 928,500 Mcf., only 23.6 per cent of the 1958 level while pipe line sales of liquefied petroleum gases declined to 562,499 Mcf., 91.0 per cent of their 1958 level. Some liquefied petroleum gases were sold in the natural gas systems during peak periods or were used to tie new customers into a system before the completion of natural gas pipe line facilities; these are included in "other receipts".

Residential sales increased 26.8 per cent to 97,937,027 Mcf. but their share of the market dropped from 37.2 to 34.6 per cent. Industrial sales on the other hand increased 50.5 per cent to 141,694,838 Mcf., thus increasing their share of the market from 45.3 to 50.0 per cent. Commercial sales increased 19.9 per cent to 43,485,254 while their share of the market declined from 17.4 to 15.4 per cent.

The total revenue per Mcf. in 1958 was 55 cents and in 1959, 56 cents. Although the industrial sales which have a lower net value increased their share of the total market, the higher valued Ontario sales offset this and accounted for the slight revenue per Mcf. increase. The consumption per customer was lowest in Quebec and New Brunswick and highest in Alberta, reflecting the relative cost of gas to the consumer.

In 1958, Alberta accounted for 42.2 per cent of total residential sales followed by Ontario with 39.3 per cent, British Columbia 7.2 per cent,

Saskatchewan 6.9 per cent, Quebec 2.7 per cent and Manitoba 1.5 per cent. In 1959 Alberta and Ontario had less than the national average increase of 26.8 per cent resulting in a decline in their share of the residential market to 38.7 and 37.8 per cent respectively. Greater than national average increases occurred in British Columbia, which enlarged its share to 8.9 per cent followed by Saskatchewan with 8.3 per cent, Quebec 3.2 per cent and Manitoba 3.0 per cent.

Alberta had the largest share of the industrial sales, 61.6 per cent in 1958, followed by Ontario 18.8 per cent, Saskatchewan 12.0 per cent, British Columbia 4.5 per cent, Manitoba 2.7 per cent and Quebec 0.4 per cent. In 1959, however, Alberta and Saskatchewan had increases of less than the 50.5 per cent national average and their share of the market declined to 52.5 per cent and 11.9 per cent respectively. The other provinces with greater than 50 per cent increases resulted in Ontario's share of the market increasing to 26.1 per cent, British Columbia to 5.7 per cent, Manitoba to 3.1 per cent and Quebec to 0.7 per cent.

The distribution of commercial sales in 1958 were: Alberta 64.3 per cent, Ontario 17.6 per cent, Saskatchewan 7.4 per cent, British Columbia 6.3 per cent, Quebec 2.6 per cent and Manitoba 1.8 per cent. In 1959 this category had a national growth of 12.0 per cent. However, Alberta's and Quebec's increase was less than this and their share of the market declined to 57.5 per cent and 2.2 per cent respectively. Other provinces with greater than the national growth rate increased their share of the market as follows: Ontario 21.1 per cent, Saskatchewan 8.7 per cent, British Columbia 7.5 per cent, Manitoba 3.0 per cent.

Natural gas receipts of the distribution systems in 1959 were 289,217,614 Mcf. of which 52.9 per cent was received from their own gathering systems and the bulk of the remainder was from transmission systems such as Trans-Canada Pipe Lines Limited and Westcoast Transmission Company Limited. Small amounts of gas were imported and small amounts were produced from L.P.G.'s for peak shaving purposes.

Practically all the net deliveries of 283,311,752 Mcf. of natural gas were sold to ultimate customers.

In order to help meet seasonal demands gas storage facilities were operated in three provinces, Alberta, Saskatchewan and Ontario, with receipts from storage of 4,184,804 Mcf. and deliveries to storage of 5,020,890 Mcf. so that the net gas placed in storage amounted to 836,086 Mcf.

Industry transfers of natural gas did not exactly balance due to slight differences between the statements of the reporting companies. Thus the gas transferred from distribution systems was 40,299,172 Mcf. and the gas transferred to distribution systems was 40,508,059 Mcf.

Inter-industry movements of natural gas do not balance due to delays in the gas being returned to the ultimate distributing company. This in effect creates a loan of natural gas by the distribution industry to the transmission industry. Thus deliveries to the transmission systems for return amounted to 4,791,947 Mcf. and return was only 4,184,804 Mcf. The difference of 607,143 Mcf., the effective loan, will be returned at a later date.

The fluctuations of line pack were small, 38,327 Mcf. as only the gas held in transmission portions of distribution systems is considered as line pack. Line pack in the distribution portion of the systems is not considered separately but is included in losses and unaccounted for.

The gas used in distribution systems amounted to 1,343,842 Mcf. or 0.5 per cent of the gas received. Metering differences, line losses, cyclical billing adjustments, and unaccounted for amounted to 1,953,707 Mcf. or 0.7 per cent of the gas received.

Alberta had the largest receipts from gathering facilities, 116,530,123 Mcf. or 76.1 per cent of the total, followed by Saskatchewan with 17.3 per cent and Ontario with 6.3 per cent. Alberta also led in total receipts with 47.1 per cent of the national total of which 85.5 per cent was directly from fields and processing plants. Ontario was second, receiving 30.5 per cent of the total Canadian receipts; however, 89 per cent of its receipts came from the gas pipe line transport industry. Manitoba and Quebec were the only provinces which did not operate gathering facilities.

Pipe line mileage operated by the industry amounted to 24,373 miles at the end of 1959, an increase of 2,743 miles during the year. In 1959 Ontario operated 46.6 per cent of the mileage. Most of the mileage was in distribution lines, accounting for 70.4 per cent of the total. The most common size of line was under 3 inches and made up 43.5 per cent of the distribution mileage; the most common size of line in the transmission systems was the 9-12.9 inches.

Only a small amount of lines are operated by the manufactured and L.P.G.'s segments of the industry; in 1959 this amounted to 438 miles.

Many of the companies have difficulty in segregating their transmission and distribution line mileage. The category of distribution therefore includes large supply lines that are integrated into the distribution system. Hence certain lines which are classified as transmission lines may in time become so integrated into a distribution system that they will be transferred from one category to another.

The compressors operated by the distribution systems are quite small averaging about 950 h.p. per station and are few in number. In 1959 there were 13 compressor stations with an installed h.p. of 11,275. Most of the gas compressors are operated

by the transmission systems with the distribution industry only maintaining or reducing pressure in the lines.

At the end of 1959 the industry had 731 million dollars invested in plant and equipment (before depreciation). Of this, 723 million dollars was in the natural gas portion of the industry and 8 million dollars in manufactured gas and L.P.G.'s systems. Net additions to plant and property in the year 1959 were 116 million dollars of which 61.4 per cent was in distribution plant; at the end of the year 52.8 per cent of the property and equipment was distribution plant. Eastern Canada had 49.6 per cent of all the natural gas property and equipment and 50.4 per cent was located in Western Canada.

Total assets of the industry amounted to 810 million dollars of which plant and property made up 78.3 per cent. Current assets amounted to 70 million dollars and current liabilities 88 million dollars to give a current ratio of 0.8.

The large capital investment in the utility plant is reflected in the long term debt which makes up 55.2 per cent of the total liabilities and 70.5 per cent of net plant. The relative youth of the industry is reflected in the depreciation reserve which is only 13.2 per cent of total gross plant.

The revenues from gas sales of the industry in 1959 were 165 million dollars while other operating revenues including the sales of by-products were 10.6 million dollars. The purchase price or cost of gas sold was 68 million dollars and the cost of other products 5 million dollars; thus the total gross margin of the industry was 103 million dollars.

Total operating expenses were 124 million dollars or 70.6 per cent of operating revenues. Depreciation charges were 12.6 million dollars or 1.9 per cent of average plant in service. Net operating revenues were 24.5 million dollars, 13.9 per cent of operating revenues; interest charges were 16.3 million dollars or 9.3 per cent of operating revenues—an average rate of approximately 4.0 per cent per annum. Profit before income tax was 21.3 million dollars or 12.1 per cent of revenues while profit after taxes was 13.2 million or 7.5 per cent of revenues. Net income as per cent of total assets employed was 1.6.

The total number of persons employed in the industry was almost 10,000 with earnings of 44.6 million dollars, constituting 35.9 per cent of all operating expenses. Average earnings per employee was \$4,500 per annum.

Statistics of natural gas consumption by industry in 1956, 1957 and 1958 are reproduced from various other Dominion Bureau of Statistics publications. The greatest growth has been in paper products with an increase of 243 per cent in 1958 over 1957, reflecting the completion of Trans-Canada through the pulp and paper producing areas of Northern Ontario. Electric power generation

is the largest individual industrial consumer of natural gas, taking 29.3 per cent of all industrial consumption in 1958.

Integrated Statistics of Natural Gas Transport and Distribution Systems

Although 468,474,778 Mcf. of natural gas was produced in 1959, transport and distribution pipe line systems in Canada received only 364,041,489 Mcf., the difference being gas losses, used in the gas producing processing or gathering operation, or flared at the wellhead. The total mileage of all natural gas pipe lines in Canada including the lines operated by the producing, transmission and distribution sectors amounted to 30,411 miles, an increase of 11.7 per cent in the year and an increase of 41.7 per cent since 1957.

The property account of the natural gas transport and gas utility industries combined is over 1 billion dollars, 52.0 per cent in the distribution sector and 48.0 per cent in the transport sector. Transmission property is the largest single account making up 42 per cent of all assets. In the year 1959 expenditures on the construction of new plant and equipment amounted to 154 million dollars.

Employees in the gas distribution industry made up 89.3 per cent of the total employees in the two industries. Average salaries of the two industries amounted to \$4,627.

Supply and Demand of Natural Gas, 1947-59

Table 21 presents the first supply and demand table for natural gas published by the Dominion Bureau of Statistics. This table presents the supply and demand of natural gas in cubic feet of 1,000 B.T.U.'s at 14.73 pounds per square inch absolute and 60 degrees Fahrenheit. Historical data have been adjusted to provide a 13-year series on as consistent as possible basis.

Total consumption of natural gas has increased remarkably since 1947. The growth has been 764.0 per cent for a compounded annual growth rate of 19.7 per cent. This has been due in part to the large increase in exports. Domestic consumption has also had a dramatic growth of 593 per cent or a compounded annual growth rate of 17.5 per cent; since 1953 the growth rate has been 24.9 per cent and in 1959 the increase was 35.0 per cent.

Changes in the pattern of natural gas production and consumption are quite evident. In 1947 Alberta and Ontario accounted for 98.8 per cent of gross production (85.6 and 13.2 per cent respectively). In 1955 Saskatchewan became a significant producer and in 1957 British Columbia became a large producer. As a result, in 1959, Alberta although it had increased its production enormously, accounted for only 70.2 per cent of the production.

Ontario had dropped to 3.6 per cent, while British Columbia which took second place, accounted for 14.6 per cent, and Saskatchewan, 11.5 per cent.

In 1947 Alberta accounted for all the waste and flared which equalled 12.0 per cent of total Canadian production and 14.0 per cent of Alberta's production. In 1954 Alberta was wasting 21.1 per cent of its production and accounted for 95.6 per cent of all waste; however, in 1959 Alberta had decreased its waste percentage to only 11.7 per cent. Saskatchewan on the other hand was wasting 55.8 per cent of its production in 1958 and 37.8 per cent in 1959.

Of the net new production in 1959, Alberta contributed 71.1 per cent, British Columbia 16.5 per cent, Saskatchewan 8.2 per cent and Ontario 4.1 per cent.

Storage operations have been a small factor in the supply and demand of natural gas although both Alberta and Ontario have had storage operations for several years. In the period 1947-54 the net gas placed in storage was between 2 and 4 million Mcf. per year. The gas taken from storage increased more or less consistently from 1 million Mcf. per year to 4 million Mcf. per year, while the gas placed in storage increased from 4 million to 8 million Mcf. per year.

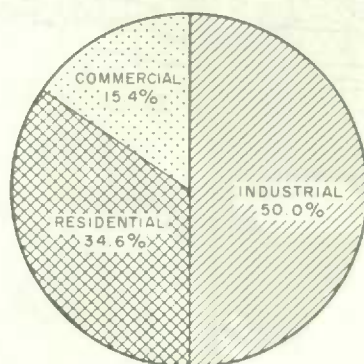
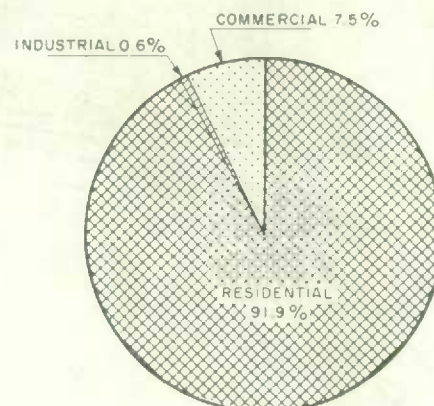
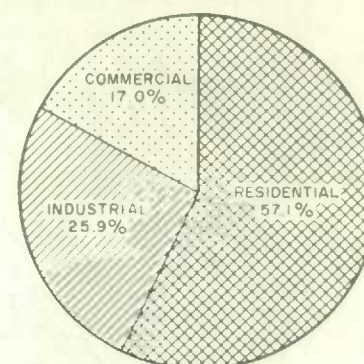
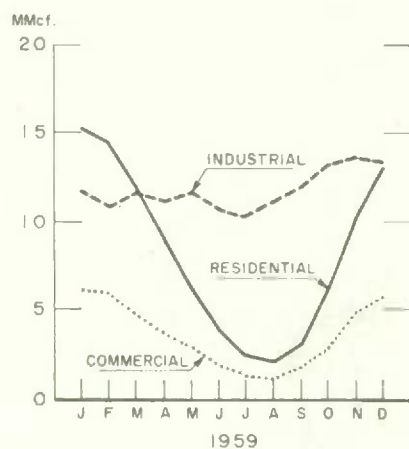
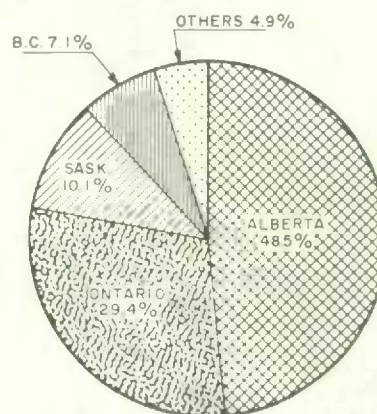
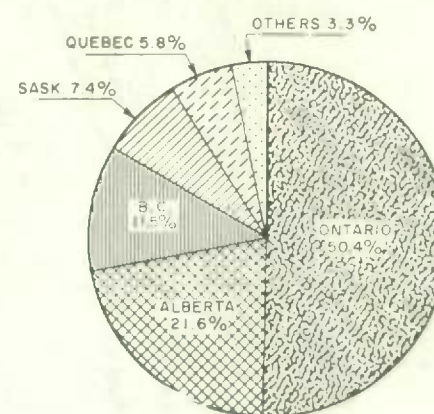
In the period 1954 to 1959 storage operations increased tremendously. In the period 1954 to 1958 the net gas placed in storage increased rapidly. However, in 1959 storage inputs approximately balanced outputs so that gross storage operations were approximately 6 per cent to both the supply and demand. In 1959 Alberta reduced its net storage while Ontario increased its storage operation; Saskatchewan for the first time entered the storage field.

Approximately 39.4 per cent of the gas taken out of storage was handled by the gas pipe line transport industry, and 16.1 per cent by distribution utilities. Producing companies, all in Alberta, accounted for the remaining 44.5 per cent.

Consumption and losses in production which made up 16.3 per cent of the demand in 1947 amounted to 15.6 per cent in 1958. Linepack changes which were not significant in years prior to 1957 increased enormously in that year when the major trans-continental gas pipe lines were being placed in service. They have declined each year since then.

Sales of natural gas in this 13-year period have grown at an annual rate of 17.8 per cent per year, industrial sales had a growth rate of 23.3 per cent per year and have thus taken a larger share of the market over the years. Commercial and residential sales have had a similar growth rate of 14.4 and 14.3 per cent respectively.

NATURAL GAS SALES, REVENUES AND CUSTOMERS, 1959

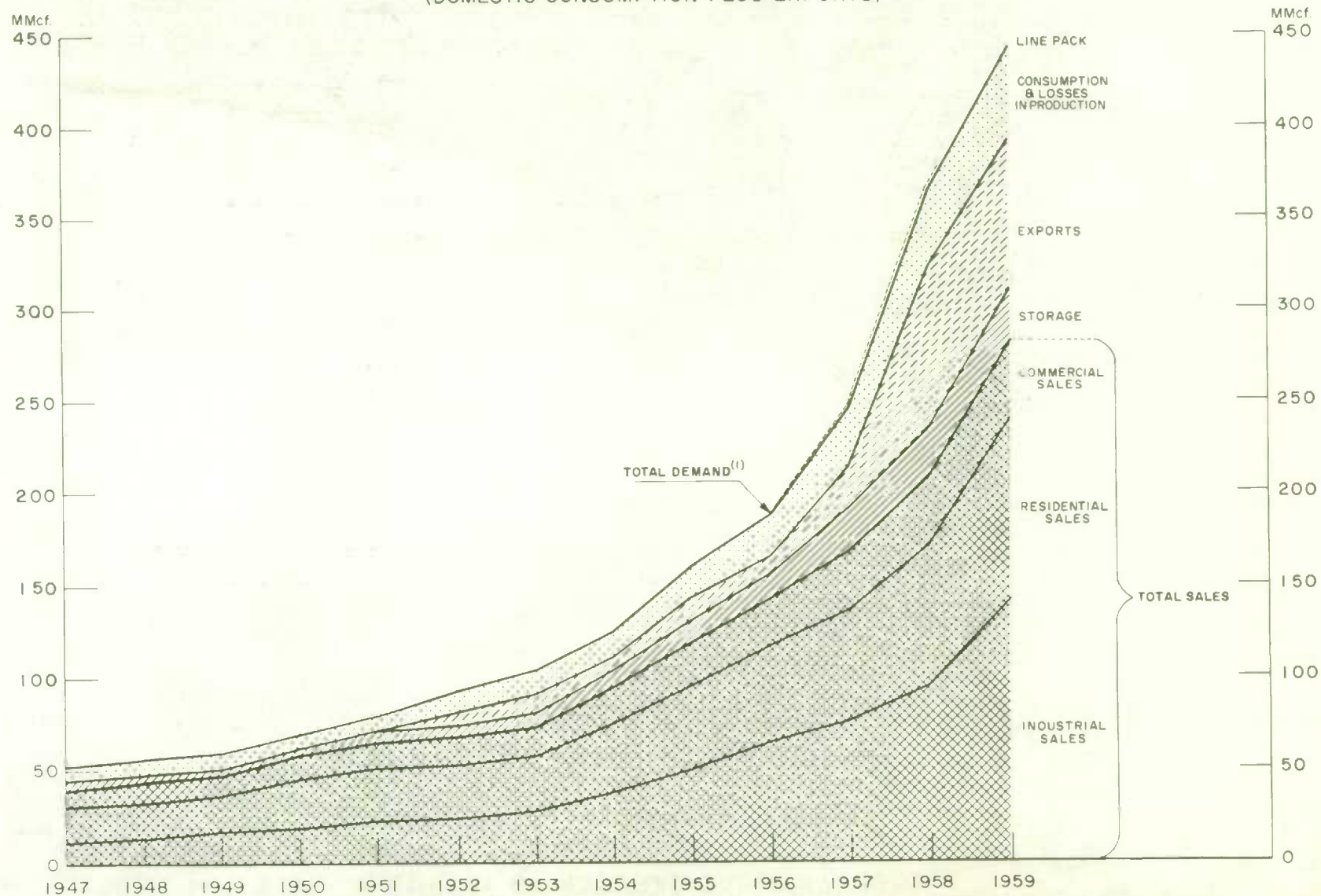
SALES BY CATEGORY OF SERVICE
1959CUSTOMERS BY CATEGORY OF SERVICE
1959REVENUES BY CATEGORY OF SERVICE
1959SALES BY MONTH,
1959TOTAL SALES BY PROVINCE,
1959TOTAL REVENUE BY PROVINCE,
1959

45.6 lba/mcf. ÷ 2000

CHART-2

DEMAND FOR NATURAL GAS, 1947-1959

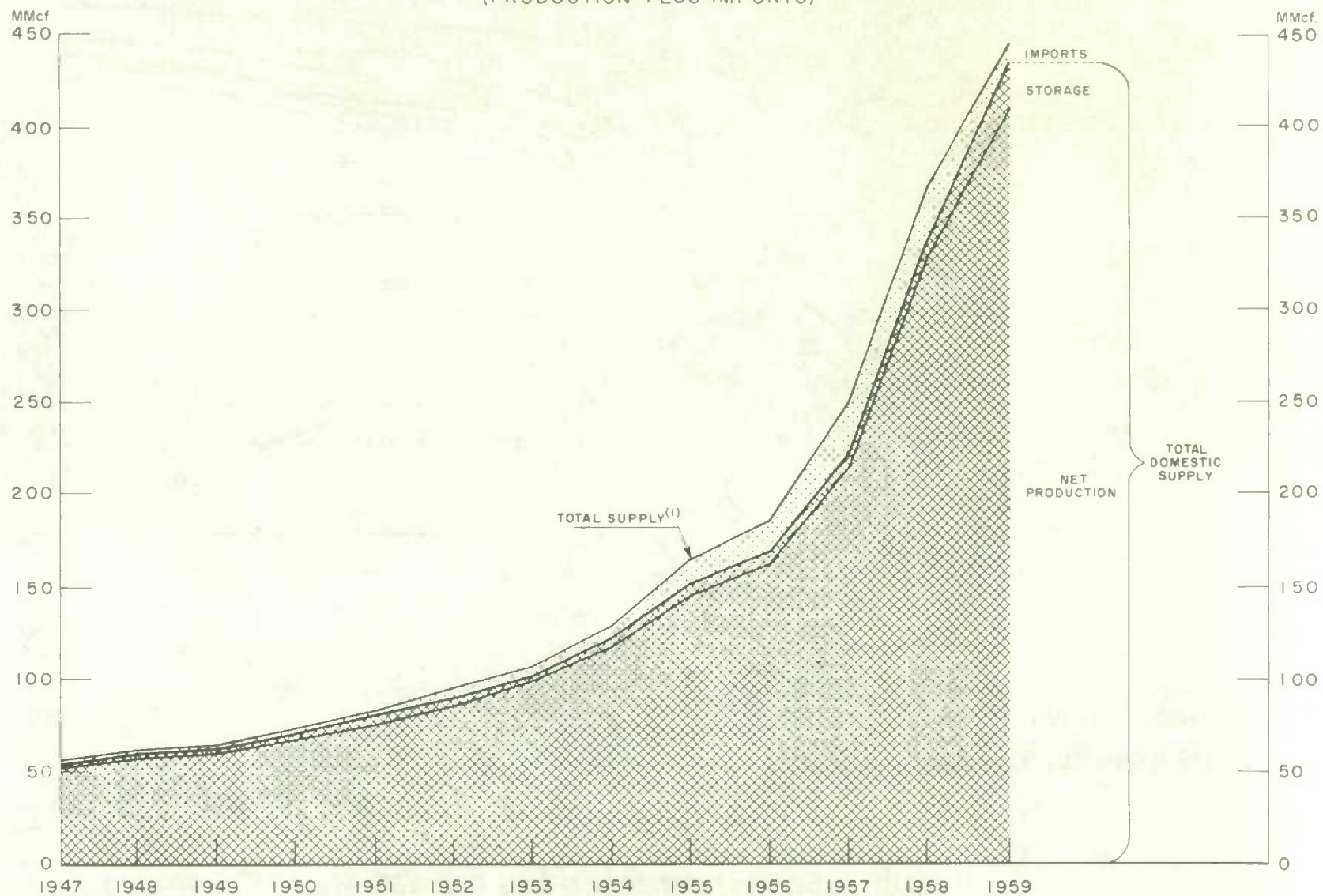
(DOMESTIC CONSUMPTION PLUS EXPORTS)



⁽¹⁾ NOT INCLUDING RESIDUAL ERROR OF ESTIMATE.

CHART-3

SUPPLY OF NATURAL GAS, 1947-1959 (PRODUCTION PLUS IMPORTS)



(1) NOT INCLUDING RESIDUAL ERROR OF ESTIMATE

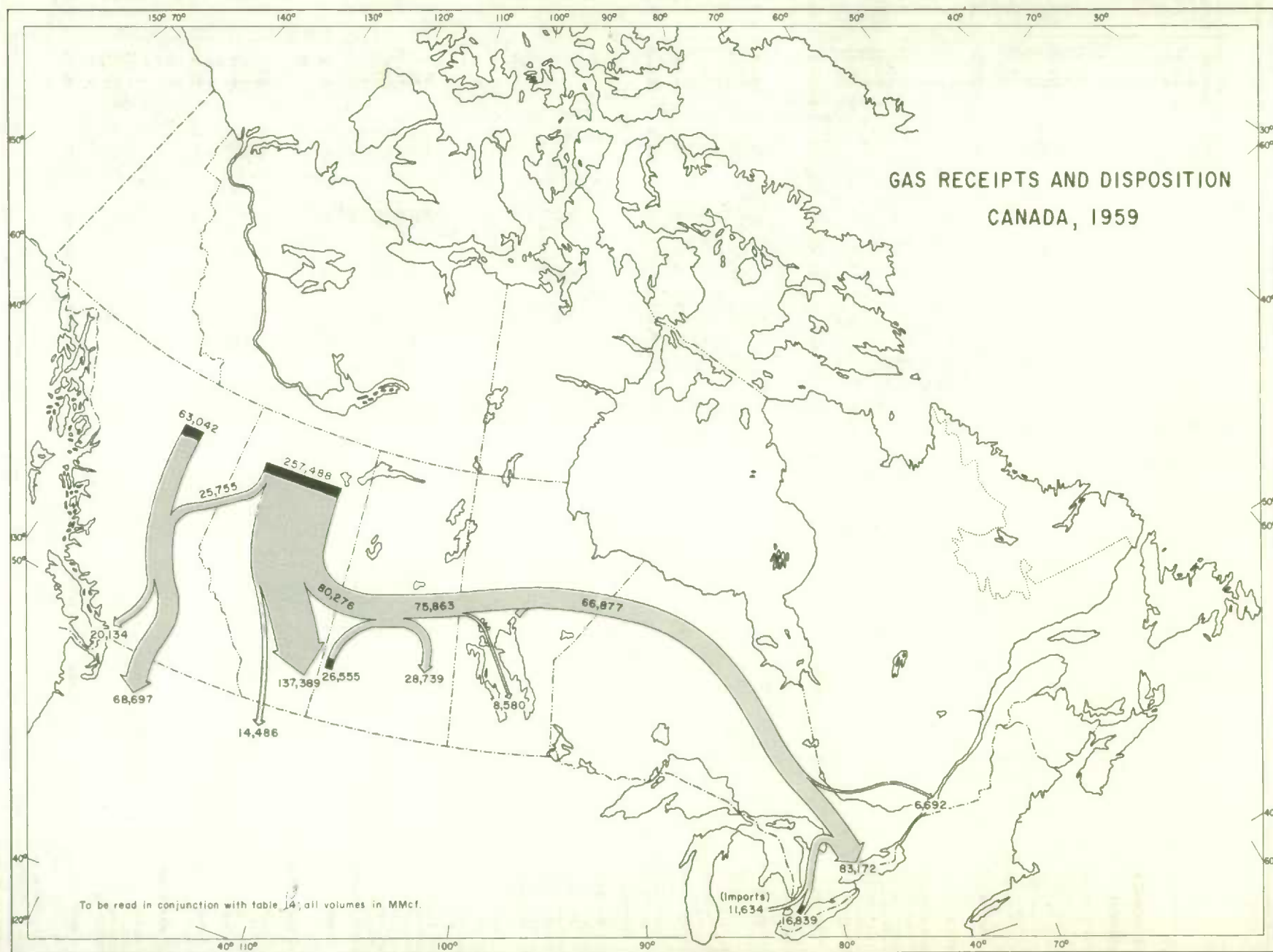


TABLE 1. Gas Sales, by Category of Service and Province, 1958 and 1959

	1958			1959					
	Customers ¹	Gas sold	Revenue	Customers ²	Gas sold	Revenue	Sales per customer ³	Revenue per customer ³	Revenue per Mcf.
	No.	Mcf.	\$	No.	Mcf.	\$	Mcf.	\$	\$
Sales of natural gas:									
Residential:									
New Brunswick .....	..	97,899	..	3,094	93,893	231,447	29.3	72.30	2.47
Quebec .....	..	2,082,755	..	218,769	3,114,828	6,334,676	14.1	28.70	2.03
Ontario .....	..	30,342,762	..	442,856	36,981,312	48,586,884	87.4	114.89	1.31
Manitoba .....	..	1,152,814	..	27,529	2,960,104	2,503,514	139.8	118.23	0.85
Saskatchewan .....	..	5,362,700	..	54,552	8,132,140	6,276,696	172.0	132.74	0.77
Alberta .....	..	32,590,396	..	179,769	37,912,970	16,235,021	221.2	94.71	0.43
British Columbia .....	..	5,594,595	..	101,573	8,741,780	11,022,811	95.4	120.27	1.26
Canada	952,755	77,223,921	67,573,192	1,028,142	97,937,027	91,191,049	100.1	93.21	0.93
Industrial:									
New Brunswick .....	..	—	..	—	—	—	—	—	—
Quebec .....	..	331,498	..	1,108	1,060,673	1,237,292	946.2	1,103.74	1.17
Ontario .....	..	17,737,749	..	4,059	37,020,128	21,345,965	9,625.6	5,550.17	0.58
Manitoba .....	..	2,513,556	..	312	4,307,857	1,523,180	24,338.2	8,605.54	0.35
Saskatchewan .....	..	11,290,789	..	298	16,785,907	3,437,987	61,712.9	12,639.66	0.20
Alberta .....	..	57,993,920	..	516	74,397,861	10,561,788	142,524.6	20,233.31	0.14
British Columbia .....	..	4,266,598	..	302	8,122,412	3,334,777	34,417.0	14,130.41	0.41
Canada	6,080	94,134,110	26,752,529	6,595	141,694,838	41,440,989	22,950.0	6,712.18	0.29
Commercial:									
New Brunswick .....	..	722	..	—	317	1,031	45.3	147.29	3.26
Quebec .....	..	946,051	..	10,977	945,400	1,691,868	86.5	154.61	1.79
Ontario .....	..	6,383,163	..	32,392	9,166,766	10,547,778	310.7	357.45	1.15
Manitoba .....	..	657,052	..	2,368	1,302,136	971,098	677.8	505.52	0.75
Saskatchewan .....	..	2,688,579	..	5,371	3,785,281	2,130,156	811.8	456.82	0.56
Alberta .....	..	23,308,646	..	18,528	25,016,352	7,755,106	1,423.1	441.16	0.31
British Columbia .....	..	2,276,776	..	14,656	3,269,002	4,011,689	238.6	292.84	1.23
Canada	74,028	36,260,989	20,166,028	84,292	43,485,254	27,108,726	555.3	346.19	0.62
Miscellaneous:									
New Brunswick .....	..	—	..	—	—	—	—	—	—
Quebec .....	..	—	..	—	—	—	—	—	—
Ontario .....	..	29,610	..	5	4,245	3,837	—	—	—
Manitoba .....	..	5,982	..	4	9,850	7,271	—	—	—
Saskatchewan .....	..	18,426	..	20	35,500	12,447	—	—	—
Alberta .....	..	40,156	..	90	61,638	16,388	—	—	—
British Columbia .....	..	—	..	13	1,737	1,102	—	—	—
Canada	67	94,174	454,339	132	112,970	41,045	—	—	—
Totals:									
New Brunswick .....	..	98,621	..	3,094	94,210	232,478	29.4	72.47	2.47
Quebec .....	..	3,360,304	..	230,845	5,120,901	9,263,836	22.0	39.79	1.81
Ontario .....	..	54,493,284	..	479,312	83,172,451	80,484,464	182.3	176.40	0.97
Manitoba .....	..	4,329,404	..	30,213	8,579,947	5,005,063	368.6	215.02	0.58
Saskatchewan .....	..	19,360,494	..	60,241	28,738,828	11,857,286	550.2	226.99	0.41
Alberta .....	..	113,933,118	..	198,903	137,388,821	34,568,303	724.6	182.32	0.25
British Columbia .....	..	12,137,969	..	116,544	20,134,931	18,370,379	190.7	173.96	0.91
Canada	1,032,930	207,713,194	114,946,088	1,119,161	283,230,089	159,781,809	266.4	150.32	0.56
Sales of liquefied petroleum gases:									
Residential	15,340	311,536	807,231	13,944	306,404	777,928	22.0	55.79	2.54
Industrial	356	133,705	207,361	343	34,942	74,720	101.9	217.64	2.14
Commercial	2,103	172,567	383,420	2,060	221,153	432,415	107.4	209.91	1.96
Miscellaneous	75	—	1,819	68	—	1,530	—	—	—
Totals	17,874	617,808	1,399,831	16,415	562,499	1,286,593	34.3	78.38	2.29
Sales of manufactured gas:									
Residential	13,045	2,519,097	3,397,679	12,821	606,128	663,626	47.3	51.76	1.09
Industrial	91	332,442	278,246	83	126,417	86,732	1,523.1	1,044.96	0.69
Commercial	889	1,078,351	1,227,955	873	195,955	210,507	224.5	241.13	1.07
Miscellaneous	—	—	7,312	—	—	—	—	—	—
Totals	14,025	3,929,890	4,911,192	13,777	928,500	960,865	67.4	69.74	1.03

¹ As at December 31, 1958.² As at December 31, 1959.³ Natural gas averages calculated on average number of customers in year; liquefied petroleum gases and manufactured gas sales calculated on customers as at December 31, 1959.

TABLE 2. Natural Gas Sales, by Category of Service, Province and Month, 1959

No.		January	February	March	April	May
		Mcf.				
	Residential:					
1	New Brunswick	10,969	9,028	8,774	10,904	7,806
2	Quebec	316,247	377,030	337,080	317,148	287,017
3	Ontario	6,082,507	5,657,548	4,916,588	3,910,174	2,187,640
4	Manitoba	427,827	371,243	291,920	219,705	159,265
5	Saskatchewan	1,221,850	1,302,821	1,028,740	697,795	533,983
6	Alberta	6,048,012	5,682,095	4,379,810	3,082,869	2,562,138
7	British Columbia	1,181,243	1,017,204	957,973	728,030	480,135
8	Canada	15,288,653	14,416,969	11,920,885	8,966,625	6,217,984
	Industrial:					
9	New Brunswick	—	—	—	—	—
10	Quebec	66,760	69,456	60,057	77,491	81,071
11	Ontario	3,039,078	2,877,625	3,159,821	2,812,004	2,775,932
12	Manitoba	269,494	261,198	197,256	314,650	385,486
13	Saskatchewan	1,020,049	1,068,297	1,343,433	1,343,054	1,645,319
14	Alberta	6,853,324	6,047,138	6,276,619	6,054,267	6,182,453
15	British Columbia	502,573	522,746	586,804	614,463	627,382
16	Canada	11,751,278	10,846,460	11,625,990	11,215,929	11,697,643
	Commercial:					
17	New Brunswick	100	139	78	—	—
18	Quebec	90,226	107,331	85,577	75,580	78,000
19	Ontario	1,185,224	1,163,654	1,051,189	842,272	502,388
20	Manitoba	151,998	130,627	115,617	89,130	70,097
21	Saskatchewan	551,765	626,098	478,734	332,236	256,336
22	Alberta	3,711,675	3,551,220	2,788,677	2,057,395	1,692,843
23	British Columbia	487,464	380,643	348,313	273,068	207,002
24	Canada	6,178,452	5,959,712	4,868,185	3,669,681	2,806,666
	Miscellaneous:					
25	New Brunswick	—	—	—	—	—
26	Quebec	—	—	—	—	—
27	Ontario	380	2,847	341	58	45
28	Manitoba	1,508	1,384	1,099	897	752
29	Saskatchewan	5,554	5,152	3,255	2,632	2,423
30	Alberta	5,919	7,009	8,767	5,216	3,823
31	British Columbia	300	267	158	87	119
32	Canada	13,661	16,659	13,620	8,890	6,962
	Totals:					
33	New Brunswick	11,069	9,167	8,852	10,904	7,806
34	Quebec	473,233	553,817	482,714	470,219	446,088
35	Ontario	10,307,189	9,701,674	9,127,939	7,564,508	5,466,005
36	Manitoba	850,827	764,452	605,892	624,382	615,600
37	Saskatchewan	2,799,218	3,002,368	2,854,162	2,375,717	2,438,061
38	Alberta	16,618,930	15,287,462	13,453,873	11,199,747	10,441,057
39	British Columbia	2,171,580	1,920,880	1,895,248	1,615,648	1,314,638
40	Canada	33,232,046	31,239,800	28,428,680	23,861,125	20,729,255

TABLE 2. Natural Gas Sales, by Category of Service, Province and Month, 1959

June	July	August	September	October	November	December	Total	No.
Mcf.								
7,067	6,834	5,505	5,801	6,829	7,085	7,291	93,893	1
196,660	225,533	161,056	162,300	184,513	238,053	312,191	3,114,828	2
1,231,960	833,937	723,711	906,310	1,763,770	3,610,255	5,156,912	36,981,312	3
79,588	44,694	37,647	80,579	252,823	478,282	516,531	2,960,104	4
330,851	190,035	139,803	180,104	476,122	884,499	1,145,537	8,132,140	5
1,595,978	1,034,681	883,300	1,466,470	2,683,129	3,946,967	4,547,521	37,912,970	6
286,711	254,027	229,207	397,764	696,702	1,112,573	1,400,211	8,741,780	7
3,728,815	2,589,741	2,180,229	3,199,328	6,063,888	10,277,714	13,086,194	97,937,027	8
-	-	-	-	-	-	-	-	9
58,521	79,401	68,906	103,504	105,231	114,634	175,641	1,060,673	10
2,861,961	2,657,316	2,775,953	3,047,778	3,426,663	3,784,666	3,801,331	37,020,128	11
329,752	375,318	419,365	415,675	567,043	405,144	367,476	4,307,857	12
1,414,079	1,598,957	1,439,563	1,487,129	1,570,325	1,427,573	1,428,129	16,785,907	13
5,349,299	5,015,043	5,791,954	6,131,382	6,764,869	7,122,297	6,809,216	74,397,861	14
674,151	576,446	660,518	726,323	870,917	876,247	881,842	8,122,412	15
10,687,763	10,302,481	11,156,259	11,911,791	13,305,048	13,730,561	13,463,635	141,694,838	16
-	-	-	-	-	-	-	317	17
61,146	64,234	41,006	75,969	68,984	82,418	114,929	945,400	18
345,149	287,715	357,067	578,532	526,120	961,861	1,365,595	9,166,766	19
55,832	25,649	24,810	39,366	126,040	225,938	247,032	1,302,136	20
149,416	82,559	75,219	74,906	211,247	398,491	548,274	3,785,281	21
1,049,118	689,767	647,066	1,050,619	1,924,934	2,887,430	2,967,608	25,016,352	22
143,693	117,175	117,267	156,565	236,001	354,445	447,366	3,269,002	23
1,804,354	1,265,099	1,262,435	1,975,957	3,093,326	4,910,583	5,690,804	43,485,254	24
-	-	-	-	-	-	-	-	25
-	-	-	-	-	-	-	-	26
22	35	24	16	24	78	375	4,245	27
312	17	247	233	809	1,166	1,426	9,850	28
1,569	863	1,028	1,688	3,218	3,954	4,164	35,500	29
2,819	2,456	2,015	2,807	5,293	8,020	7,694	61,638	30
69	53	67	74	118	239	186	1,737	31
4,791	3,424	3,381	4,818	9,462	13,457	13,845	112,970	32
7,067	6,834	5,505	5,801	6,829	7,085	7,291	94,210	33
316,327	369,168	270,966	341,773	358,728	435,105	602,761	5,120,901	34
4,439,092	3,779,003	3,856,755	4,532,636	5,716,577	8,356,860	10,324,213	83,172,451	35
465,484	445,678	482,069	535,853	946,715	1,110,530	1,132,465	8,579,947	36
1,895,915	1,872,414	1,655,613	1,743,827	2,260,912	2,714,517	3,126,104	28,738,828	37
7,997,214	6,739,947	7,324,335	8,651,278	11,378,225	13,964,714	14,332,039	137,388,821	38
1,104,624	947,701	1,007,059	1,280,726	1,803,738	2,343,504	2,729,605	20,134,931	39
16,225,723	14,160,745	14,602,304	17,091,894	22,471,724	28,932,315	32,254,478	283,230,089	40

TABLE 3. Natural Gas Revenues, by Category of Service, Province and Month, 1959

No.		January	February	March	April	May
		dollars				
	Residential:					
1	New Brunswick	28,852	22,578	22,006	28,356	18,534
2	Quebec	656,376	710,190	631,763	539,266	555,220
3	Ontario	7,268,208	6,794,615	6,018,695	4,956,610	3,067,391
4	Manitoba	328,041	311,333	243,180	194,903	148,647
5	Saskatchewan	825,397	874,345	724,130	533,858	442,532
6	Alberta	2,112,645	2,019,754	1,613,457	1,233,644	1,067,441
7	British Columbia	1,312,703	1,176,502	1,138,691	905,606	685,284
8	Canada	12,532,222	11,909,317	10,392,322	8,392,243	5,985,049
	Industrial:					
9	New Brunswick	—	—	—	—	—
10	Quebec	100,435	99,197	85,961	90,295	62,772
11	Ontario	1,821,282	1,709,867	1,848,879	1,669,751	1,652,634
12	Manitoba	91,579	100,510	74,885	114,233	136,402
13	Saskatchewan	250,512	247,057	272,121	279,937	342,430
14	Alberta	945,179	846,115	877,427	840,756	864,236
15	British Columbia	208,204	219,999	245,311	252,421	257,774
16	Canada	3,417,191	3,222,745	3,404,604	3,247,393	3,350,348
	Commercial:					
17	New Brunswick	336	461	234	—	—
18	Quebec	174,550	193,086	150,147	116,784	133,080
19	Ontario	1,349,579	1,312,998	1,189,773	967,242	610,267
20	Manitoba	105,269	101,826	87,561	71,182	57,490
21	Saskatchewan	292,457	323,152	259,601	186,762	148,473
22	Alberta	1,047,882	1,017,231	804,445	601,718	499,695
23	British Columbia	512,006	449,266	411,951	328,483	265,399
24	Canada	3,482,079	3,396,040	2,903,712	2,272,171	1,714,350
	Miscellaneous:					
25	New Brunswick	—	—	—	—	—
26	Quebec	—	—	—	—	—
27	Ontario	224	2,720	149	120	90
28	Manitoba	1,157	1,105	839	711	602
29	Saskatchewan	1,896	1,724	1,109	892	844
30	Alberta	1,634	1,666	1,647	1,347	1,136
31	British Columbia	176	160	98	61	77
32	Canada	5,087	7,375	3,842	3,131	2,749
	Totals:					
33	New Brunswick	29,188	23,039	22,240	28,356	18,534
34	Quebec	931,361	1,002,473	867,891	746,345	785,092
35	Ontario	10,439,293	9,820,200	9,057,696	7,593,723	5,330,402
36	Manitoba	526,048	514,774	406,485	381,029	343,147
37	Saskatchewan	1,370,262	1,446,278	1,256,961	1,001,449	934,279
38	Alberta	4,107,340	3,884,766	3,296,976	2,677,465	2,432,505
39	British Columbia	2,033,089	1,845,947	1,796,251	1,486,571	1,208,534
40	Canada	19,436,579	18,537,477	18,704,480	13,914,938	11,052,496

TABLE 3. Natural Gas Revenues, by Category of Service, Province and Month, 1939

June	July	August	September	October	November	December	Total	No.
dollars								
16,849	16,378	13,130	13,645	16,360	17,014	17,745	231,447	1
520,201	481,423	355,670	371,832	410,657	503,678	598,400	6,334,676	2
2,030,384	1,552,448	1,399,153	1,634,895	2,717,863	4,776,236	6,370,186	48,586,884	3
92,693	59,847	55,397	84,938	200,086	364,637	419,812	2,503,514	4
322,009	233,459	189,752	222,657	418,849	666,296	823,412	6,276,696	5
844,990	661,803	611,927	887,409	1,323,933	1,809,931	2,048,087	16,235,021	6
463,557	435,082	396,432	607,979	941,040	1,331,660	1,628,075	11,022,811	7
4,290,683	3,440,440	3,021,461	3,823,353	6,028,788	9,469,452	11,905,717	91,191,049	8
—	—	—	—	—	—	—	—	9
26,846	95,954	77,099	112,558	111,206	117,156	154,594	1,237,292	10
3,864,793	1,508,941	1,545,156	1,727,928	1,902,595	2,127,757	2,166,382	21,345,965	11
125,040	137,481	147,598	134,846	179,138	141,989	139,477	1,523,180	12
286,001	300,602	288,790	290,481	306,461	300,655	292,940	3,437,987	13
773,930	733,050	767,604	864,946	963,273	1,060,351	1,024,921	10,561,788	14
265,548	234,819	262,727	291,615	351,158	370,396	374,805	3,334,777	15
3,311,257	3,010,847	3,068,974	3,422,376	3,813,831	4,118,304	4,153,119	41,440,989	16
—	—	—	—	—	—	—	1,031	17
143,884	115,914	73,935	137,135	125,000	141,608	189,885	1,691,868	18
444,618	385,684	445,356	671,263	641,111	1,057,723	1,472,144	10,547,778	19
48,827	22,932	22,696	30,907	85,592	154,687	182,123	971,098	20
95,264	59,849	59,173	58,027	127,288	221,764	298,346	2,130,156	21
347,989	238,904	225,756	370,334	642,046	926,996	1,032,108	7,755,106	22
300,250	173,625	172,573	215,956	308,190	435,614	538,356	4,011,689	23
1,277,772	996,908	999,489	1,483,622	1,929,227	2,938,394	3,712,962	27,108,726	24
—	—	—	—	—	—	—	—	25
—	—	—	—	—	—	—	—	26
42	21	44	28	51	170	177	3,837	27
283	18	82	62	532	787	1,096	7,271	28
540	306	379	589	1,093	1,337	1,738	12,447	29
708	522	495	953	1,566	2,268	2,406	16,388	30
52	42	47	57	76	145	111	1,102	31
1,623	909	1,047	1,689	3,338	4,727	5,528	41,045	32
16,849	16,378	13,130	13,645	16,360	17,014	17,745	232,478	33
756,970	693,291	506,704	621,525	646,863	762,442	942,879	9,263,836	34
4,139,638	3,447,094	3,389,709	4,034,114	5,261,620	7,961,886	10,008,889	80,464,464	35
266,840	220,278	225,773	250,755	465,348	662,100	742,508	5,005,063	36
703,814	594,216	518,094	571,754	653,691	1,190,052	1,416,436	11,857,286	37
1,987,617	1,634,279	1,605,782	2,123,642	2,930,836	3,799,568	4,107,522	34,568,303	38
929,407	843,568	831,779	1,115,607	1,600,464	2,137,815	2,541,347	18,370,379	39
8,781,335	7,449,104	7,090,971	8,731,042	11,775,184	16,530,877	19,777,326	159,781,809	40

TABLE 4. Manufactured Gas Sales and Revenue from Sales, by Category of Service, and Month, 1959

No.			January	February	March	April	May
	Sales:						
1	Residential	Mcf.	66,857	62,987	56,885	52,380	47,885
2	Industrial	"	3,837	7,062	7,280	6,957	6,874
3	Commercial	"	16,758	16,477	16,117	16,451	16,859
4	Miscellaneous	"	—	—	—	—	—
5	Totals	"	87,452	86,526	80,282	75,788	71,618
	Revenue:						
6	Residential	\$	72,808	67,697	62,142	58,899	54,401
7	Industrial	\$	3,788	6,817	7,124	6,810	6,597
8	Commercial	\$	18,648	18,428	17,891	18,334	18,704
9	Miscellaneous	\$	—	—	—	—	—
10	Totals	\$	95,244	92,942	87,157	84,043	79,702

TABLE 5. Pipe Line Sales of Liquefied Petroleum Gases and Revenue from Sales, by Category of Service and Month, 1959

No.			January	February	March	April	May
	Sales:						
1	Residential	Mcf.	47,729	41,386	31,558	28,458	23,738
2	Industrial	"	8,475	3,507	2,885	2,706	2,203
3	Commercial	"	29,676	30,448	23,655	20,440	16,957
4	Miscellaneous	"	—	—	—	—	—
5	Totals	"	85,880	75,341	58,098	51,606	42,898
	Revenue:						
6	Residential	\$	98,601	85,142	71,743	69,444	62,094
7	Industrial	\$	15,021	7,409	6,385	6,025	5,026
8	Commercial	\$	51,526	48,753	42,753	39,204	32,997
9	Miscellaneous	\$	136	138	136	130	132
10	Totals	\$	165,284	141,442	121,017	114,803	100,249

TABLE 6. Natural Gas Receipts and Disposition, by Province, 1959

No.		New Brunswick	Quebec
		Mcf.	
	Receipts of natural gas into distribution systems:		
1	From gathering systems or processing plants	117,502	—
2	From Canadian transmission systems	—	6,685,488
3	Imports from the United States	—	—
4	Other receipts	—	—
5	Total net receipts	117,502	6,685,488
6	From storage	—	—
7	Returned to distribution systems from transmission systems	—	6,628
8	Transferred from distribution systems	—	—
9	Total gross receipts	117,502	6,692,116
	Deliveries of natural gas out of distribution systems:		
10	To ultimate consumers	94,210	5,120,901
11	Exports to the United States	—	—
12	Other deliveries	—	—
13	Total net deliveries	94,210	5,120,901
14	To storage	—	—
15	Delivered to transmission systems for return	—	—
16	Transferred to distribution systems	—	—
17	Total gross deliveries	94,210	5,120,901
18	Line pack fluctuations	—	2,074
19	Gas used in system	—	218,327
20	Metering differences, line losses, cyclical billing adjustments and unaccounted for	23,292	1,350,814
21	Total disposition of receipts	117,502	6,692,116

TABLE 4. Manufactured Gas Sales and Revenue from Sales, by Category of Service, and Month, 1959

June	July	August	September	October	November	December	Total	No.
39,966	30,951	30,180	34,418	38,890	64,321	80,408	606,128	1
6,051	6,046	5,230	5,549	13,415	31,616	26,500	126,417	2
14,841	13,687	12,075	15,024	13,806	23,057	20,803	195,955	3
—	—	—	—	—	—	—	—	4
60,858	50,684	47,485	54,991	66,111	118,994	127,711	928,500	5
43,528	38,895	45,031	42,672	44,837	57,024	75,692	663,626	6
5,634	5,897	5,637	5,420	8,974	14,346	9,688	86,732	7
15,871	15,484	16,244	15,974	14,828	19,212	20,889	210,507	8
—	—	—	—	—	—	—	—	9
65,033	60,276	66,912	64,066	68,639	90,582	106,269	960,865	10

TABLE 5. Pipe Line Sales of Liquefied Petroleum Gases and Revenue from Sales, by Category of Service and Month, 1959

June	July	August	September	October	November	December	Total	No.
21,366	19,350	13,868	15,436	18,658	21,022	23,332	306,404	1
1,938	1,782	1,817	1,934	2,067	2,648	2,928	34,942	2
14,636	14,189	10,650	11,668	13,263	15,934	18,637	221,153	3
—	—	—	—	—	—	—	—	4
38,993	35,321	26,335	29,038	33,988	39,604	45,397	562,499	5
57,958	54,444	46,300	49,361	56,371	61,035	65,435	777,928	6
4,511	4,244	4,248	4,403	4,838	6,005	6,605	74,720	7
30,212	28,313	24,933	26,411	29,911	36,018	41,384	432,415	8
128	127	123	122	120	119	119	1,530	9
92,809	87,128	75,604	80,297	91,240	103,177	113,543	1,286,593	10

TABLE 6. Natural Gas Receipts and Disposition, by Province, 1959

Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada	No.
Mcf.						
9,619,098	—	26,555,071	116,530,123	252,240	153,074,035	1
78,580,300	8,354,420	3,913,186	19,675,723	18,792,848	136,001,965	2
—	—	—	74,015	—	74,015	3
31,497	—	—	—	36,102	67,599	4
88,230,896	8,354,420	30,468,257	136,279,861	19,081,190	289,217,614	5
163,707	—	—	4,021,097	—	4,184,804	6
3,183,652	—	—	—	—	3,190,280	7
18,085,312	—	369,041	21,844,819	—	40,299,172	8
109,663,567	8,354,420	30,837,298	162,143,777	19,081,190	336,891,870	9
93,172,451	8,579,947	28,738,828	137,388,821	20,134,931	283,230,089	10
—	—	—	8,207	—	8,207	11
73,456	—	—	—	—	73,456	12
83,245,907	8,579,947	28,738,828	137,397,028	20,134,931	283,311,752	13
208,507	—	302,062	4,510,321	—	5,020,890	14
4,791,947	—	—	21,774,694	—	4,791,947	15
18,256,200	—	477,165	—	—	40,508,059	16
106,502,561	8,579,947	29,518,055	163,682,043	20,134,931	333,632,648	17
—	—	34,993	—75,394	—	—38,327	18
305,454	7,654	529,465	282,942	—	1,343,842	19
2,855,552	-233,181	754,785	-1,743,814	-1,053,741	1,953,707	20
109,663,567	8,354,420	30,837,298	162,143,777	19,081,190	336,891,870	21

TABLE 7. Pipe Line Mileage, by Size of Pipe, and Province, as at December 31, 1959, 1958 and 1957

No.		1959						
		Outside diameter of pipe in inches						Total
		0-2.9	3-5.9	6-8.9	9-12.9	13-20.9	21 and over	
	Natural gas utilities:							
	Gathering:							
1	New Brunswick	10.6	—	—	—	—	—	10.6
2	Quebec	—	—	—	—	—	—	—
3	Ontario	375.1	153.0	57.6	5.2	3.0	—	593.9
4	Manitoba	—	—	—	—	—	—	—
5	Saskatchewan	111.0	43.2	53.8	4.9	—	—	212.9
6	Alberta	27.1	216.0	211.5	114.3	55.5	—	624.4
7	British Columbia	—	—	—	—	—	—	—
8	Canada	523.8	412.2	322.9	124.4	58.5	—	1,441.8
	Transmission:							
9	New Brunswick	—	11.4	—	—	—	—	11.4
10	Quebec	—	—	—	—	—	—	—
11	Ontario	259.7	403.3	598.2	345.9	21.0	—	1,628.1
12	Manitoba	6.5	72.5	—	22.4	—	—	101.4
13	Saskatchewan	111.1	85.9	403.4	593.0	207.5	—	1,400.9
14	Alberta	139.5	622.4	523.8	469.7	484.2	—	2,239.6
15	British Columbia	2.2	83.8	43.5	268.8	—	—	398.3
16	Canada	519.0	1,279.3	1,568.9	1,699.8	712.7	—	5,779.7
	Distribution:							
17	New Brunswick	65.4	—	—	—	—	—	65.4
18	Quebec	3.9	291.6	504.5	120.8	96.7	9.9	1,027.4
19	Ontario	3,691.5	2,890.9	1,950.2	505.4	88.3	18.0	9,144.3
20	Manitoba	322.1	183.9	102.2	71.1	11.0	—	690.3
21	Saskatchewan	596.9	242.4	178.1	31.7	10.9	—	1,060.0
22	Alberta	1,278.1	716.6	313.3	100.6	46.4	—	2,455.0
23	British Columbia	1,510.6	691.3	302.2	98.2	89.0	18.0	2,709.3
24	Canada	7,468.5	5,016.7	3,350.5	927.8	342.3	45.9	17,151.7
25	Grand totals	8,511.3	8,708.2	5,242.3	2,752.0	1,113.5	45.9	24,373.2
		Outside diameter of pipe in inches						
		0-2.9	3-5.9	6-8.9	9-12.9	Total		
	Manufactured and liquefied petroleum gases utilities:							
26	Quebec	54.4	—	36.8	56.6	3.3	—	151.1
27	Ontario	67.6	—	4.3	10.9	0.5	—	83.3
28	British Columbia	107.9	—	77.7	14.5	4.0	—	204.1
29	Canada	229.9	—	118.8	82.0	7.8	—	438.5

TABLE 7. Pipe Line Mileage, by Size of Pipe, and Province, as at December 31, 1959, 1958 and 1957

1958							1957								
Outside diameter of pipe in inches															
0-2.9	3-5.9	6-8.9	9-12.9	13-20.9	21 and over	Total	0-2.9	3-5.9	6-8.9	9-12.9	13-20.9	21 and over	Total	No.	
10.6	—	—	—	—	—	10.6	10.6	—	—	—	—	—	10.6	1	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	
375.4	158.9	54.9	5.3	3.0	—	597.5	388.6	158.9	56.0	5.3	3.0	—	611.8	3	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	
96.4	42.2	42.6	4.9	—	—	186.1	19.2	36.8	11.5	21.3	—	—	88.8	5	
19.8	207.9	202.2	114.2	55.6	—	599.7	18.9	192.4	191.3	110.8	55.6	—	569.0	6	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	7	
502.2	409.0	299.7	124.4	58.6	—	1,393.9	437.3	388.1	258.8	137.4	58.6	—	1,280.2	8	
—	11.4	—	—	—	—	11.4	—	11.4	—	—	—	—	11.4	9	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	
243.9	366.2	584.7	349.3	22.0	—	1,566.1	237.3	357.4	559.8	348.5	22.6	—	1,525.6	11	
5.2	58.1	6.6	15.8	—	—	85.7	—	42.3	—	22.4	—	—	64.7	12	
65.8	77.5	152.4	510.0	207.5	—	1,013.2	46.5	69.0	131.2	350.0	115.0	—	711.7	13	
92.7	460.7	493.4	469.6	481.5	—	1,997.9	93.5	421.1	456.2	462.9	348.9	—	1,782.6	14	
0.8	83.4	43.5	268.8	—	—	396.5	2.4	81.7	43.5	268.8	—	—	396.4	15	
408.4	1,057.3	1,280.6	1,613.5	711.0	—	5,070.8	379.7	982.9	1,190.7	1,452.6	486.5	—	4,492.4	16	
65.4	—	—	—	—	—	65.4	65.4	—	—	—	—	—	65.4	17	
4.4	296.6	488.5	82.2	89.5	9.9	971.1	4.5	296.2	462.6	80.5	88.7	10.0	962.5	18	
3,129.4	2,638.3	1,752.5	480.1	77.6	17.0	8,094.9	2,144.9	2,031.8	1,216.8	282.8	76.6	17.0	5,769.9	19	
216.3	143.0	76.2	63.3	11.0	—	509.8	179.9	131.8	75.4	34.9	11.0	—	433.0	20	
516.9	223.4	163.9	31.6	10.9	—	946.7	471.5	210.5	154.8	31.6	10.9	—	879.3	21	
1,114.2	658.9	290.4	96.8	37.1	—	2,197.4	1,014.6	644.1	279.8	95.6	36.4	—	2,070.5	22	
1,283.9	635.4	279.4	92.2	83.0	6.0	2,379.9	934.3	560.3	256.5	79.0	70.0	2.0	1,902.1	23	
6,330.5	4,595.6	3,050.9	846.2	309.1	32.9	15,165.2	4,815.1	3,874.7	2,465.9	604.4	293.6	29.0	12,082.7	24	
7,241.1	6,061.9	4,631.2	2,584.1	1,078.7	32.9	21,629.9	5,632.1	5,245.7	3,915.4	2,194.4	838.7	29.0	17,855.3	25	
Not available															

TABLE 8. Compressor and Meter Stations Operated by Natural Gas Utilities, by Province, as at December 31, 1959, 1958 and 1957

	Number of active compressor stations			Installed compressor horse-power			Number of active meter stations		
	1959	1958	1957	1959	1958	1957	1959	1958	1957
Ontario:									
Diesel	—	—	—	—	—	—			
Gas	4	4	4	2,055	2,055	5,040			
Totals	4	4	4	2,055	2,055	5,040	155	149	62
Manitoba:									
Diesel	—	—	—	—	—	—			
Gas	—	—	—	—	—	—			
Totals	—	—	—	—	—	—	7	4	2
Saskatchewan:									
Diesel	—	—	—	—	—	—			
Gas	3	3	3	5,935	4,935	4,035			
Totals	3	3	3	5,935	4,935	4,035	79	57	34
Alberta:									
Diesel	1	—	—	220	—	—			
Gas	5	5	6	4,255	2,200	2,200			
Totals	6	5	6	4,475	2,200	2,200	71	67	54
British Columbia:									
Diesel	—	—	—	—	—	—			
Gas	—	—	—	—	—	—			
Totals	—	—	—	—	—	—	27	26	24
Canada:									
Diesel	1	—	—	220	—	—			
Gas	12	12	13	12,245	9,190	11,275			
Totals	13	12	13	12,465	9,190	11,275	339	303	166

TABLE 9. Property Account of Gas Utilities, by Region, 1958-59¹

	Total at December 31 1958	Gross additions during 1959	Retirements during 1959	Total at December 31 1959	Total at December 31, 1959	
					Eastern Canada	Western Canada
	dollars					
Natural gas distribution systems:						
Intangible plant	12,633,733	1,135,556	18,263	13,751,026	4,243,543	2,307,483
Gathering and production plant	56,399,096	3,139,453	89,925	59,448,624	8,175,378	31,273,246
Manufacturing gas plant ²	18,527,943	7,218	—	18,535,161	18,305,073	230,088
Products extraction plant	1,870,591	35,891	—	1,906,482	355,718	1,550,764
Underground storage plant	3,918,702	1,210,644	208,043	4,921,303	3,204,109	1,717,194
Transmission plant:						
Land and land rights	1,756,105	381,980	—	2,138,085	275,613	1,862,472
Compressor, measuring and regulating structures and improvements	639,934	70,602	10,255	700,281	210,027	490,254
Mains	95,964,840	17,651,369	107,318	113,508,891	23,246,470	90,262,421
Compressor, measuring and regulating equipment	3,454,579	1,224,003	38,626	4,639,956	591,912	4,048,044
Other transmission plant	1,115,689	1,387,119	145	2,502,663	754	2,501,909
Total transmission plant	102,931,147	20,715,073	156,344	123,489,876	24,324,776	99,165,100
Distribution plant:						
Land and land rights	2,880,813	521,230	128,262	3,273,781	1,961,612	1,312,169
Compressor, measuring and regulating structures and improvements	4,100,046	447,046	69,270	4,477,822	2,706,156	1,771,666
Mains	212,020,899	44,761,624	1,041,101	255,761,422	157,766,972	97,994,450
Compressor, measuring and regulating equipment	25,471,350	5,718,392	616,239	30,573,503	18,640,403	11,933,100
Other distribution plant	65,407,284	22,980,343	1,590,296	86,797,331	45,831,535	40,965,796
Total distribution plant	309,880,392	74,448,635	3,445,168	380,883,859	226,906,678	153,977,181
General plant:						
Land and land rights	1,814,148	51,481	59,366	1,806,263	617,678	1,188,585
Transportation equipment	5,739,760	1,712,529	455,214	6,997,075	3,032,121	3,964,954
Tools and work equipment	6,905,788	1,279,754	172,073	8,013,469	3,595,078	4,418,391
Other general plant	14,008,111	3,050,393	285,640	16,772,864	4,874,019	11,898,845
Total general plant	28,467,807	6,094,157	972,293	33,589,671	12,118,894	21,470,777
Undistributed plant	72,596,979	14,822,933	952,540	86,467,372	60,866,727	25,600,645
Total plant	607,226,390	121,609,560	5,842,576	722,993,374	358,500,896	364,492,478
Manufactured and liquefied petroleum gases distribution systems:						
Intangible plant	255,678	—	—	255,678	..	..
Manufacturing gas plant	1,863,228	14,129	24,412	1,852,945	..	..
Distribution plant	5,250,441	174,212	16,769	5,407,884	..	..
General plant	516,247	16,143	25,694	506,696	..	..
Undistributed plant	77,877	6,127	—	84,004	..	..
Total plant	7,963,471	210,611	66,875	8,107,207	..	..
Grand totals	615,189,861	121,820,171	5,909,451	731,100,581		

¹ Includes reports for fiscal year end most closely approximating calendar year.

² Includes accounts of manufactured gas plant for systems which distribute both natural and manufactured gas.

TABLE 10. Balance Sheet of Gas Utilities, by Region, as at December 31, 1959¹

	Eastern Canada	Western Canada	Total
		dollars	
Assets			
Total plant	362,107,216	368,993,365	731,100,581
Accumulated depreciation and/or amortization	54,088,263	42,333,558	96,421,821
Total plant less accumulated depreciation and/or amortization	308,018,953	326,659,807	634,678,760
Investments	44,890,872	26,792,001	71,682,873
Current assets	49,149,038	21,294,639	70,443,677
Deferred debits	17,763,776	9,460,507	27,224,283
Other assets not pertaining to gas distribution	—	6,212,551	6,212,551
Total assets	419,822,639	390,419,505	810,242,144
Liabilities			
Capital stock and surplus	168,594,167	92,524,287	261,118,454
Long term debt	182,623,457	264,642,732	447,266,189
Current liabilities	81,070,743	28,939,704	88,010,447
Deferred credits and reserves	7,534,272	6,312,782	13,847,054
Total liabilities	419,822,639	390,419,505	810,242,144

¹ Includes reports for fiscal year end most closely approximating calendar year

TABLE 11. Income Statement of Gas Utilities, by Region, 1959

	Eastern Canada	Western Canada	Total
		dollars	
Operating revenue accounts:			
Gas sales ¹	92,479,140	72,726,482	165,205,622
Other operating revenues	7,361,178	3,262,430	10,623,608
Total operating revenues	99,840,318	75,988,912	175,829,230
Operating revenue deductions:			
Cost of gas sold	43,403,085	24,277,753	67,680,838
Cost of by-products sold	5,498,616	—	5,498,616
Gathering operation	11,203	677,819	689,022
Products extraction operation	21,802	—	21,802
Transmission operation	400,169	1,205,053	1,605,222
Distribution operation	17,394,732	5,093,588	22,488,320
General operation and expenses	13,326,609	12,888,289	26,214,878
Total purchases, operation and maintenance	80,056,216	44,142,482	124,198,698
Depreciation	5,789,169	6,857,904	12,647,073
Amortization	356,040	30,985	387,025
Income taxes	3,509,223	4,643,768	8,152,991
Municipal and other taxes	3,060,961	2,861,924	5,922,885
Rent for gas plant leased from others	4,977	1,718	6,695
Total operating revenue deductions	92,776,586	58,538,781	151,315,367
Net gas operating revenues	7,063,732	17,450,131	24,513,863
Other income	3,840,996	2,019,073	5,860,069
Gross income	10,904,728	19,469,204	30,373,932
Other income deductions	8,991,648	8,196,437	17,188,085
Net income	1,913,080	11,272,767	13,185,847

¹ Revenue from sales does not agree with revenue, Table 1, due to differences in reporting. Table 1 is for calendar year for all gas distribution companies, while the above table is compiled from companies which reported in the fiscal year most closely corresponding to the calendar year and sold more than 10,000 Mcf.

TABLE 12. Employees and Earnings of Gas Utilities, by Province, 1959

Province	Total		Natural gas systems		Manufactured and other gases systems	
	Average number employed	Salaries and wages	Average number employed	Salaries and wages	Average number employed	Salaries and wages
		\$		\$		\$
Quebec	1,680	7,785,388	1,631	7,599,347	49	186,041
Ontario	4,593	19,847,556	4,573	19,746,994	20	100,562
Manitoba	311	1,221,495	311	1,221,495	—	—
Saskatchewan	722	3,299,572	722	3,299,572	—	—
Alberta	1,864	8,491,396	1,864	8,491,396	—	—
British Columbia	719	3,964,248	658	3,657,895	61	306,353
Canada	9,889	44,609,655	9,759	44,016,699	130	592,956

TABLE 13. Natural Gas Receipts and Disposition of the Gas Utilities and the Gas Pipe Line Transport Industries, by Province, 1959

	New Brunswick	Quebec	Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Canada
	McL							
Receipts								
Gas received into gathering systems	117,502	—	16,839,236	—	26,555,071	257,488,137	63,041,543	364,041,489
Imports from the United States	—	—	11,634,172	—	—	74,015	—	11,708,187
Other receipts	—	—	31,497	—	—	—	36,102	67,599
Total net receipts	117,502	—	28,504,905	—	26,555,071	257,562,152	63,077,645	375,817,275
Received from storage	—	—	10,350,435	—	—	4,021,097	—	14,371,532
Received from other provinces	—	6,692,116	66,877,075	75,863,005	80,276,191	108,124	25,754,732	255,571,243
Inter-company transfers	—	—	18,085,312	—	369,041	21,736,695	—	40,191,048
Total gross receipts	117,502	6,692,116	123,817,727	75,863,005	107,200,303	283,428,068	88,832,377	685,951,098
Deliveries								
Sales of natural gas	94,210	5,120,901	83,172,451	8,579,947	28,738,828	137,388,821	20,134,931	283,230,089
Exports to the United States	—	—	—	—	—	14,486,391	68,697,417	83,183,808
Other deliveries	—	—	73,456	—	—	101,455	—	174,911
Total net deliveries	94,210	5,120,901	83,245,907	8,579,947	28,738,828	151,976,667	88,832,348	366,588,808
Delivered to storage	—	—	11,020,767	—	302,062	4,510,321	—	15,833,150
Delivered to other provinces	—	—	6,692,116	66,877,075	75,971,129	106,030,923	—	255,571,243
Inter-company transfers	—	—	18,256,200	—	369,041	21,774,694	—	40,399,935
Total gross deliveries	94,210	5,120,901	119,214,990	75,457,022	105,381,060	284,292,605	88,832,348	678,393,136
Line pack fluctuations								389,879
Gas used in system	23,292	1,571,215	4,602,737	405,983	1,819,243	864,537	29	3,659,671
Metering differences line losses and unaccounted for								3,508,412
Total disposition	117,502	6,692,116	123,817,727	75,863,005	107,200,303	283,428,068	88,832,377	685,951,098

TABLE 14. Natural Gas Pipe Line Mileage of the Gas Utilities and the Gas Pipe Line Transport Industries¹,
by Province, as at December 31, 1953-59

	1953 ²	1954 ²	1955 ²	1956 ^{2,3}	1957	1958	1959
	miles						
Gathering: ⁴							
New Brunswick	21	21	21	10	10.6	10.6	10.6
Quebec	—	—	—	—	—	—	—
Ontario	2,446	2,079	2,166	851	941.2	940.4	955.4
Manitoba	—	—	—	—	—	—	—
Saskatchewan	115	188	474	99	91.8	311.3	355.3
Alberta	1,624	1,820	1,915	948	972.0	1,633.8	1,733.3
British Columbia	—	6	6	6	120.5	212.5	253.2
Totals	4,206	4,114	4,582	1,914	2,136.1	3,108.6	3,307.8
Transmission:							
New Brunswick	—	—	—	11	11.4	11.4	11.4
Quebec	—	—	—	—	26.5	26.5	26.5
Ontario	—	—	—	1,284	2,519.6	3,466.1	3,526.6
Manitoba	—	—	—	—	354.0	375.0	391.3
Saskatchewan	—	—	—	635	1,093.2	1,395.2	1,782.9
Alberta	—	—	—	1,797	2,127.3	2,581.2	3,096.5
British Columbia	—	—	—	37	1,101.6	1,101.7	1,103.5
Totals	—	—	—	3,764	7,233.6	8,957.1	9,940.7
Distribution:							
New Brunswick	65	65	65	65	65.4	65.4	65.4
Quebec	—	—	—	—	962.5	971.1	1,027.4
Ontario	2,258	3,560	3,778	4,667	5,769.9	8,094.9	9,144.3
Manitoba	—	—	—	146	433.0	509.8	690.3
Saskatchewan	31	80	162	339	879.3	946.7	1,060.0
Alberta	1,503	1,506	1,672	1,879	2,075.0	2,201.9	2,465.5
British Columbia	—	5	6	925	1,902.1	2,379.9	2,709.3
Totals	3,857	5,216	5,683	8,021	12,087.2	15,169.7	17,162.2
Grand totals	8,063	9,330	10,265	13,699	21,456.9	27,235.4	30,410.7

¹ Includes pipe line mileage of producing companies.

² Source: Department of Mines and Technical Surveys questionnaire returns and estimates.

³ Does not include 210 miles of Trans-Canada pipe line laid in 1956.

⁴ Includes transmission lines for 1954-55.

TABLE 15. Compressor Stations of the Gas Utilities and the Gas Pipe Line Transport Industries,
as at December 31, 1959

	Compressor stations			Horse-power		
	Gas pipe line transmission systems	Gas distribution systems	Total	Gas pipe line transmission systems	Gas distribution systems	Total
British Columbia	4	—	4	53,050	—	53,050
Alberta	—	6	6	—	4,475	4,475
Saskatchewan	3	3	6	30,600	5,935	36,535
Manitoba	1	—	1	7,500	—	7,500
Ontario	7	4	11	38,600	2,055	40,655
Quebec	—	—	—	—	—	—
Totals	15	13	28	129,750	12,465	142,215

TABLE 16. Property Account of the Natural Gas Utilities and the Gas Pipe Line Transport Industries, as at December 31, 1958-59

	Total at December 31, 1958			Net additions during 1959	Total at December 31, 1959		
	Gas pipe line transmission systems	Natural gas distribution systems	Total		Gas pipe line transmission systems	Natural gas distribution systems	Total
	dollars						
Intangible plant	17,889,354	12,633,733	30,523,087	2,249,864	19,021,925	13,751,026	32,772,951
Gathering and production plant	21,818,816	56,399,096	78,215,912	3,755,211	22,522,499	59,448,624	81,971,123
Manufacturing gas plant ¹	—	18,527,943	18,527,943	7,218	—	18,535,161	18,535,161
Products extraction plant.....	20,737,021	1,870,591	22,607,612	35,891	20,737,021	1,906,482	22,643,503
Underground storage plant	4,080,735	3,918,702	7,999,437	1,181,554	4,259,688	4,921,303	9,180,991
Transmission plant	426,780,245	102,931,147	529,711,392	53,623,724	459,845,240	123,489,876	583,335,116
Distribution plant	—	309,880,392	309,880,392	71,003,467	—	380,883,859	380,883,859
General plant	8,625,279	28,467,807	37,093,086	5,419,010	8,922,425	33,589,671	42,512,096
Undistributed plant	130,035,749	72,596,979	202,632,728	16,849,312	133,014,668	86,467,372	219,482,040
Total plant	629,965,199	607,226,390	1,237,191,589	154,125,251	668,323,466	722,993,374	1,391,316,840

¹ Includes accounts of manufactured gas plant for systems which distribute both natural and manufactured gas.

TABLE 17. Employees and Earnings of the Natural Gas Utilities and the Gas Pipe Line Transport Industries, by Province, as at December 31, 1959

	Gas pipe line transmission systems		Natural gas distribution systems		Total	
	Average number employed	Salaries and wages	Average number employed	Salaries and wages	Average number employed	Salaries and wages
		\$		\$		\$
Quebec	—	—	1,631	7,599,347	1,631	7,599,347
Ontario	608	3,382,306	4,573	19,746,994	5,181	23,129,300
Manitoba	32	175,008	311	1,221,495	343	1,396,503
Saskatchewan	79	410,859	722	3,299,572	801	3,710,431
Alberta	216	1,151,765	1,864	8,491,396	2,080	9,643,161
British Columbia	229	1,405,513	658	3,657,895	887	5,063,408
Canada	1,164	6,525,451	9,759	44,016,699	10,923	50,542,150

TABLE 18. Consumption of Natural Gas in Canada, by Industry, 1956-58¹

	1956	1957	1958
	Mcf.		
Mining	63,130	542,535	1,096,169
Manufacturing:			
Foods and beverages	5,273,813	6,389,213	8,103,070
Tobacco and tobacco products	169	537	2,147
Rubber products	7,076	22,309	31,782
Leather products	14,203	22,919	35,736
Textile products	417,097	505,313	572,472
Knitting mills	10,310	16,980	26,893
Clothing	65,747	41,421	68,916
Wood products	325,421	481,227	449,684
Paper products	361,371	1,627,859	5,580,277
Printing and publishing	1,810,119	1,132,397	346,561
Iron and steel products	1,566,361	3,346,557	5,309,929
Transportation equipment	1,379,026	1,343,908	1,293,530
Non-ferrous metal products	2,331,231	2,131,382	2,556,032
Electrical apparatus	263,243	258,565	467,329
Non-metallic mineral products	8,167,527	8,437,042	13,709,653
Products of petroleum and coal	12,520,680	12,571,034	14,023,081
Chemicals and allied products	9,706,100	11,393,434	13,405,892
Miscellaneous industries	137,103	136,396	286,317
Total manufacturing	44,356,597	49,858,493	66,269,301
Electric power generation	16,333,235	22,126,088	27,895,697
Totals	60,752,962	72,527,116	95,261,167

¹ Data obtained from reports submitted by industrial firms to the Industry and Merchandising Division of D.B.S.

TABLE 19. Summary of Production, Transportation and Distribution of Natural Gas, 1959

	Mcf.		Mcf.
Field receipts and disposition:		Transportation receipts and disposition:¹	
Production:		Receipts:	
Gross new production	468,474,778	Receipts from fields and processing plants ..	364,041,489
Waste and flared	59,752,730	Imports from the United States	11,708,187
Net new production	408,722,048	Other receipts	67,599
		Total net receipts	375,817,275
Consumption and losses:		Consumption in transportation	3,659,671
In production	27,697,256	Storage and inventory changes:	
In processing shrinkage	22,547,033	Received from storage	14,371,532
Totals	50,244,289	Placed in storage	15,833,150
		Net storage	-1,461,618
Storage:		Line pack fluctuation	-389,879
Received from storage	11,507,885	Losses and unaccounted for	3,717,299
Placed in storage	10,706,468	Exports to the United States	83,183,808
Net storage	801,417	Other deliveries	174,911
Other deliveries	67,189	Total available for distribution	283,230,089
Losses and unaccounted for	4,828,875	Domestic sales of natural gas:	
Total deliveries to transportation	364,041,489	Residential	97,937,027
		Industrial	141,694,838
		Commercial	43,485,254
		Miscellaneous	112,970
		Total	283,230,089

¹ Includes the operation of the Gas Utilities Industry and Gas Pipe Line Transport Industry. See table 13.

TABLE 20. Supply, Demand and Consumption of Natural Gas in Canada, 1947-59¹

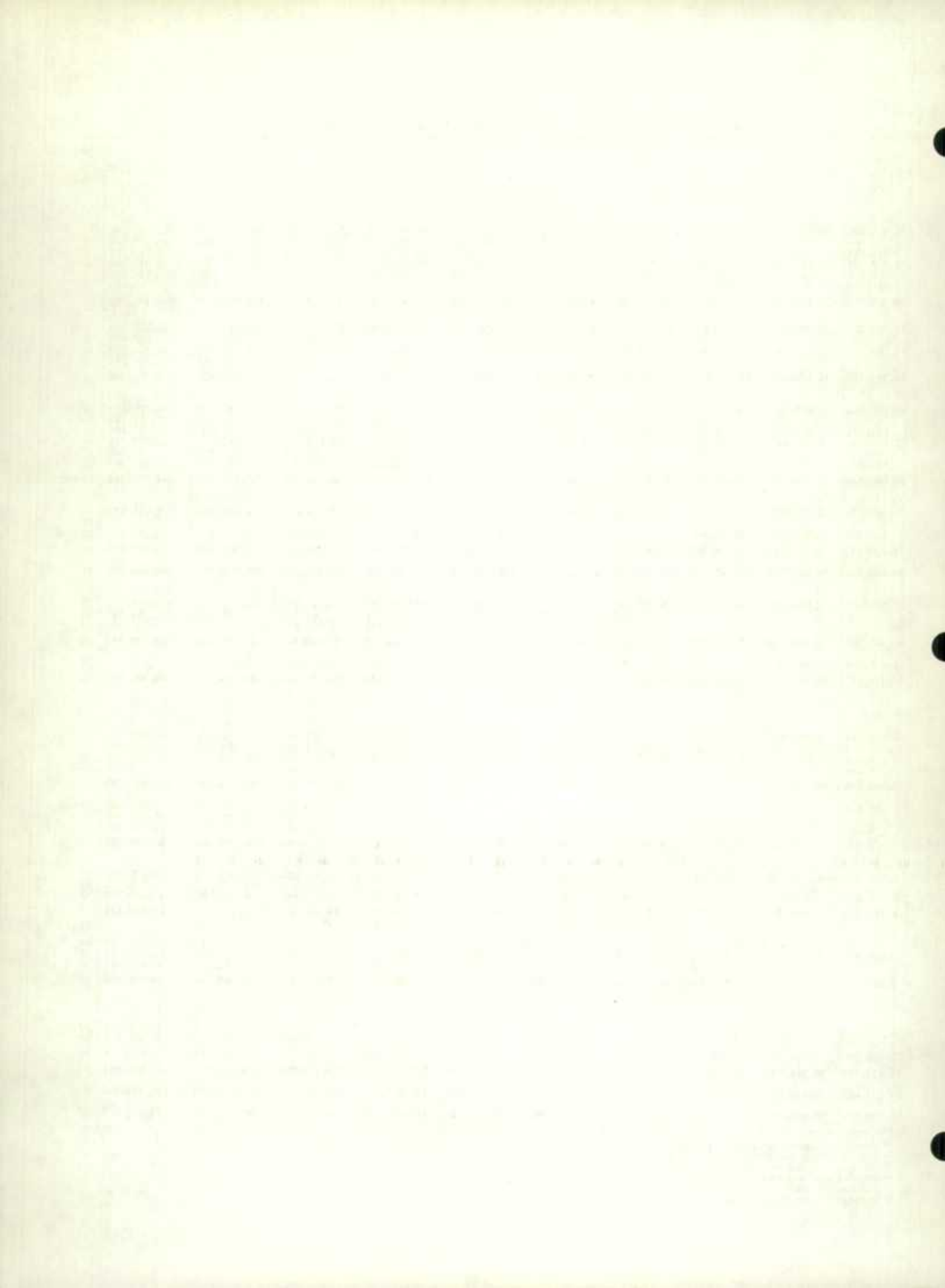
No.		1947	1948	1949
			Mcf.	
	Supply of natural gas:			
	Gross new production: ²			
1	Alberta ³	51,066,979	57,686,836	64,780,707
2	British Columbia	—	—	—
3	Saskatchewan	259,203	434,721	469,331
4	Ontario	7,875,921	8,590,429	8,024,213
5	Northwest Territories	—	150,000	65,234
6	New Brunswick	489,810	420,352	375,035
7	Totals	59,691,913	67,282,338	73,714,520
	Waste and flared: ²			
8	Alberta	7,158,283	9,603,668	14,824,590
9	British Columbia	—	—	—
10	Saskatchewan	—	—	—
11	Northwest Territories	—	—	—
12	Totals	7,158,283	9,603,668	14,824,590
	Net, new production: ²			
13	Alberta	43,908,696	48,083,168	49,956,117
14	British Columbia	—	—	—
15	Saskatchewan	259,203	434,721	469,331
16	Ontario	7,875,921	8,590,429	8,024,213
17	Northwest Territories ⁴	—	150,000	65,234
18	New Brunswick	489,810	420,352	375,035
19	Totals (7-12)	52,533,630	57,678,670	58,889,930
	Withdrawals from storage:			
20	Alberta ²	1,028,476	1,655,523	1,788,096
21	Saskatchewan	—	—	—
22	Ontario	—	129,299	4,497
23	Totals	1,028,476	1,784,822	1,792,593
24	Total domestic supply (19+23)	53,562,106	59,463,492	60,682,523
	Imports:			
25	Ontario ⁵	425,274	395,779	1,254,612
26	Alberta	—	—	—
27	British Columbia	—	—	—
28	Totals	425,274	395,779	1,254,612
29	Residual error of estimate	-900,992	-1,502,568	-1,351,327
30	Total supply	53,086,388	58,356,703	60,585,808
	Demand for natural gas:			
	Domestic sales: ⁷			
31	Residential	19,561,089	20,992,397	21,656,014
32	Industrial	11,486,676	12,825,474	14,438,949
33	Commercial	8,637,814	9,831,775	10,501,941
34	Miscellaneous	148,830	155,028	154,056
35	Totals	39,834,411	43,804,674	46,750,960
36	Other use ⁸	—	150,000	63,234
37	Exports: ⁹ British Columbia	—	—	—
38	Alberta	—	—	—
39	Total exports	—	—	—
	Placed in storage: ²			
40	Alberta	4,434,644	3,390,739	2,634,976
41	Saskatchewan	—	—	—
42	Ontario	—	629,509	1,223,114
43	Totals	4,434,644	4,020,248	3,858,090
	Consumption and losses in production: ²			
44	British Columbia	—	—	—
45	Alberta	7,916,341	8,879,212	8,562,197
46	Saskatchewan	—	—	—
47	Totals	7,916,341	8,879,212	8,562,197
	Pipe line consumption and inventories:			
48	Consumption and losses in pipe lines ¹⁰ .....	..	..	..
49	Line pack changes .....	..	..	..
50	Residual error of estimate	900,992	1,502,519	1,351,327
51	Total demand	53,086,388	58,356,703	60,585,808
52	Total consumption (Total demand (51) minus placed in storage (43))	48,651,744	54,336,455	56,727,718
53	Total domestic consumption (Total consumption (52) minus exports (39))	48,651,744	54,336,455	56,727,718

¹ All data adjusted to cubic feet of 1,000 B.T.U.'s at 14.73 pounds per square inch absolute and 60°F.² Source of data — Alberta — Alberta Oil and Gas Conservation Board.
British Columbia — British Columbia Department of Mines and Petroleum Resources.
Saskatchewan — Saskatchewan Department of Mineral Resources.
Ontario — Ontario Fuel Board.³ Excludes reproduced from storage.⁴ Net new production only, available 1948-54.

TABLE 20. Supply, Demand and Consumption of Natural Gas in Canada, 1947-59¹

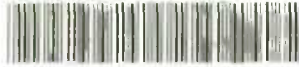
1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	No.
Mcf.										
71,421,505	79,839,252	92,605,434	110,588,249	131,364,881	162,615,160	192,818,066	236,194,380	284,364,734	329,091,824	1
811,515	856,524	1,132,959	1,619,262	4,798,214	11,192,205	19,569,402	33,376,917	62,578,594	68,350,496	2
8,009,486	8,442,842	8,302,190	9,708,969	10,015,816	10,852,857	12,811,618	14,400,913	42,338,477	53,781,207	3
33,335	19,333	24,847	28,109	29,085	176,296	274,222	213,984	16,147,986	16,839,236	4
361,877	261,579	202,042	177,112	183,457	186,549	190,322	176,417	285,489	294,513	5
80,637,720	89,419,530	102,267,472	122,117,701	146,450,938	185,188,129	225,927,162	292,713,128	405,839,237	468,474,778	7
13,241,222	14,174,235	16,294,428	23,996,032	27,719,299	34,977,444	52,813,898	59,678,985	54,075,702	38,366,983	8
—	—	8,254	78,915	1,283,781	4,521,678	9,814,667	48,427	403,978	808,673	9
—	—	—	—	—	157,826	253,012	19,458,140	23,620,309	20,349,750	10
13,241,222	14,174,235	16,302,682	24,074,947	29,003,080	39,656,748	62,881,577	79,380,293	78,361,378	59,752,730	11
58,180,283	65,665,017	76,311,006	86,590,217	103,645,582	127,637,716	140,004,168	176,515,395	230,289,032	290,724,841	13
811,515	856,524	1,124,705	1,540,347	3,514,433	6,670,527	9,754,735	13,918,777	62,174,616	67,541,823	14
8,009,486	8,442,842	8,302,190	9,708,969	10,015,816	10,852,857	12,811,618	14,400,913	18,718,168	33,431,457	15
33,335	19,333	24,847	28,109	29,085	18,670	21,210	19,243	16,147,986	16,839,236	16
361,877	261,579	202,042	177,112	183,457	186,549	190,322	176,417	24,100	67,189	17
67,396,498	75,245,295	85,964,790	96,042,754	117,447,858	145,531,381	163,045,585	213,332,835	327,477,859	408,722,048	18
1,790,475	2,075,344	928,591	688,583	1,063,199	2,310,159	2,768,645	2,626,359	3,264,460	15,528,982	20
508,408	1,710,139	2,630,207	2,320,830	3,516,566	4,625,642	3,141,942	3,406,134	4,636,570	10,350,435	21
2,298,883	3,785,483	3,558,798	3,009,413	4,579,765	7,135,801	5,910,587	6,032,493	7,901,030	25,879,417	22
69,695,381	79,030,778	89,523,588	101,052,167	122,027,623	152,667,182	168,956,172	219,365,328	335,378,889	434,601,465	23
3,247,705	3,696,198	5,981,623	6,095,344	6,221,147	11,379,549	16,771,333	27,716,617	32,122,515	11,634,172	24
—	—	—	3,165	14,496	31,739	54,777	64,712	65,183	74,015	25
3,247,705	3,696,198	5,981,623	6,098,509	6,235,643	11,411,288	17,169,712	3,147,612	—	—	26
-1,529,764	-1,981,677	-1,187,082	-2,037,082	-1,360,574	-1,876,742	1,377,246	-113,985	-1,630,819	589,901	27
71,413,322	80,745,298	94,318,129	106,113,594	126,902,692	162,201,728	187,503,130	250,180,294	365,935,768	446,899,553	28
26,486,948	26,442,376	28,392,449	30,885,535	37,740,974	45,987,764	52,039,471	61,237,933	77,223,921	97,937,027	29
17,896,661	21,888,514	22,677,481	26,881,491	37,648,501	49,907,458	85,631,233	75,384,932	94,134,110	141,694,838	30
13,517,487	14,605,649	14,935,855	16,007,808	19,803,344	23,325,131	25,897,768	30,979,564	36,260,989	43,485,254	31
197,194	139,714	127,188	193,478	327,966	510,178	157,159	1,181,027	94,174	112,970	32
58,098,290	65,056,253	66,132,973	73,968,312	95,520,785	119,730,531	143,725,649	168,783,456	207,713,194	283,230,089	33
33,335	19,533	24,847	26,109	29,085	18,670	21,210	19,243	24,100	242,100	34
—	—	—	—	—	—	—	10,699,707	76,969,784	68,697,417	35
2,312	3,983	7,957,907	9,407,879	6,983,985	11,356,252	10,828,338	10,770,037	13,095,749	14,486,391	36
2,312	3,963	7,957,907	9,407,879	6,983,985	11,356,252	10,828,338	21,469,744	90,065,533	83,183,808	37
2,193,260	2,434,656	2,702,112	2,390,397	4,171,895	6,928,718	8,739,197	16,666,872	17,865,080	15,216,789	38
2,049,420	2,623,399	4,749,067	4,484,406	4,457,288	4,549,995	3,505,584	7,706,941	8,240,022	302,062	39
4,242,680	5,058,055	7,451,179	6,874,803	8,629,163	11,478,713	12,244,781	24,373,813	26,105,102	11,020,767	40
—	—	—	—	—	—	—	—	—	26,539,618	41
7,506,940	8,625,817	11,564,140	12,799,409	14,001,596	17,099,616	21,043,539	1,008,547	6,298,174	4,497,206	42
—	—	—	—	377,502	641,203	1,016,858	29,242,647	30,867,944	41,091,170	43
7,506,940	8,625,817	11,564,140	12,799,409	14,379,100	17,740,819	22,060,397	2,021,518	2,174,182	4,655,913	44
—	—	—	—	—	—	—	—	—	50,244,289	45
..	..	..	..	..	..	..	..	..	3,659,671	46
..	..	..	..	..	..	..	..	..	389,879	47
1,529,765	1,981,677	1,187,082	2,037,082	1,360,574	1,878,743	-1,377,245	3,147,330	1,630,819	-589,901	48
71,413,322	80,745,298	94,318,128	106,113,594	126,902,692	162,201,728	187,503,130	250,180,294	365,935,768	446,899,553	49
67,170,642	75,687,243	86,866,949	98,238,791	118,273,529	150,723,015	175,258,349	225,806,471	339,830,666	420,359,935	50
67,168,330	75,683,280	78,909,042	88,830,912	111,289,544	139,366,763	164,430,011	204,336,727	249,765,133	337,176,127	51

¹ "Trade of Canada" adjusted, 1947-54.² Alberta Oil and Gas Conservation Board, 1953-54.³ Provincial breakdown, 1958-59, see Table 1.⁴ Includes use in Northwest Territories.⁵ Province of exit, for source of gas, see Table 13.⁶ Included in item 47, 1947-58.





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