

CATALOGUE No.

45-203

ANNUAL

OCT 8 1961



THE COKE AND GAS INDUSTRY

1959



Published by Authority of
The Honourable George Hees, Minister of Trade and Commerce

DOMINION BUREAU OF STATISTICS
Industry and Merchandising Division

October, 1961
6523-560

Price 50 cents

PUBLICATIONS

The results of the annual Census of Industry are published by the Dominion Bureau of Statistics in a series of industry reports which are released each year as the compilations are completed. Reports for industries in the **Products Made from Petroleum and Coal** Major Group are listed below, along with current and annual publications of related interest. Similar reports are issued for other industries. A complete catalogue of publications of the Bureau is available on request from the Information Services Division, Dominion Bureau of Statistics, Ottawa, or from the Queen's Printer, Ottawa.

		A — Annual S.A. — Semi-Annual	M — Monthly O — Occasional	S.C. — Special Compilation	
Catalogue number	Title				Price
45-201	Products of Petroleum and Coal — General Review (A)50
45-203	Coke and Gas Industry (A).....				.50
45-205	Petroleum Products Industry (A).....				.50
45-207	Miscellaneous Products of Petroleum and Coal Industry (A)25
<hr/>					
26-003	Preliminary Report on Coal Production (M).....			per year	1.00
26-206	Coal Mining Industry (A)				1.00
45-202	Preliminary Report on Coal and Coke Statistics (A)50
26-006	Crude Petroleum and Natural Gas (M)			per year	1.00
26-213	Crude Petroleum and Natural Gas Industry (A).....				.50
45-004	Refined Petroleum Products (M)			per year	3.00
45-204	Refined Petroleum Products (A)				1.50
45-206	Consumption of Petroleum Fuels (A)25
13-505	Energy Consumption in Manufacturing and Mining Industries 1926-1953 (O)				1.00
13-507	Energy Sources in Canada, Commodity Accounts, 1926, 1929, 1933 and 1939 (O) ..				1.00
13-506	Energy Sources in Canada, Commodity Accounts, 1948 and 1952 (O).....				1.00
55-001	Pipe Line (Oil) Statistics (M)			per year	2.00
55-201	Pipe Line (Oil) Statistics (A)50
31-201	General Review of the Manufacturing Industries (A)				2.00
31-001	Inventories, Shipments and Orders in Manufacturing Industries (M)			per year	4.00
65-004	Trade of Canada — Exports (M).....			per year	7.50
65-007	Trade of Canada — Imports (M)			per year	7.50
(S.C.)	Sales of Lubricating Oils and Greases and Motor Gasoline (A)25
(S.C.)	Retail Outlets for Motor Gasoline (S.A.)25

Remittances should be in the form of cheque or money order, made payable to the Receiver General of Canada and forwarded to the Information Services Division, Dominion Bureau of Statistics, or to the Queen's Printer, Ottawa, Canada.

SYMBOLS

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

- .. figures not available.
- ... figures not appropriate or not applicable.
- nil or zero.
- p preliminary figures.

EXPLANATORY NOTES

This report is one in a series of about 130 publications which present the results of the 1959 Census of Manufactures. Most reports in this series refer to specific industries, but there are summary reports for Canada and the provinces and for major industry groups. An annual Census of Manufactures has been carried out by the Dominion Bureau of Statistics since 1916.

Industry statistics given in these reports refer to number of establishments, employees, salaries and wages, cost of materials, supplies, fuel and electricity, gross value of shipments, inventories and value added by manufacturing. Details of materials used and products shipped are also given. Descriptions of the principal industry statistics, with special reference to 1959 are as follows:

Period Covered

Firms are asked to submit figures for the calendar year, if at all possible, and most reports are on this basis. Financial year reports for periods differing from the calendar year are accepted in instances where the firms find it impossible to supply calendar year data from accounting records. However the data on employees, salaries and wages are requested on a calendar year basis in all cases.

Establishment

Data for the annual census is collected on an establishment basis. A firm with more than one plant is required to file a report for each plant. In most cases an establishment is a complete factory. Sometimes, however, a plant is divided into two or more establishments when it carries out operations classifiable to different industries and when separate accounting records are available. Usually the statistics for an establishment relate only to the manufacturing activities. Other activities such as construction at the plant by its own employees, wholesale or retail activities carried on at the plant location, etc., are not included. Plants engaged solely in repair work (except in the case of furniture, shipbuilding, boat building, aircraft and railway rolling stock industries) are not included but plants occupied in assembling parts into complete units are included.

Employees

Administrative and office employees include all executives and supervisory officials such as presidents, vice-presidents, secretaries, treasurers, etc., together with managers, professional and technical employees, superintendents and factory supervisors above the working foremen level and clerical employees. Working owners and partners are also included in this category.

Production and related workers include all other factory workmen whether paid on a monthly, weekly, hourly or piece-work basis. Working foremen doing work similar to that of the employees they supervise are included, as are maintenance, warehousing and delivery staffs. Employees on new construction work, in retail or wholesale operations, on outside piece work etc., are not included.

Production workers are reported by months, an average for the year being obtained by summing the monthly figures and dividing by twelve. This procedure is followed even though the plant did not operate in all months. Figures on employment refer to calendar years whether or not some establishments reported other data on a financial year basis.

Salaries and Wages

Salaries and wages refer to gross earnings of the employees described above, including salaries, wages, commissions, bonuses, the value of room and board where provided, deductions for income tax and social services such as sickness and unemployment insurance, pensions, etc., as well as any other allowances forming part of the employees' wages. Payments for overtime are included.

Salaries refer to amounts paid to administrative and office employees. Withdrawals by working owners or partners for normal living expenses for self and family are included but not their withdrawals for income tax. Wages refer to the amounts paid to production and related workers as defined above. Data on earnings refer to the calendar year whether or not some establishments reported other data on a financial year basis.

Cost of Fuel and Electricity

Figures for fuel refer to amounts actually used, (including fuel used in cars and trucks), not to purchases unless the quantities are the same. Values refer to the laid-down cost at the works, including freight, duty, etc.

Materials and Supplies Used

Figures represent quantities and laid-down cost values, at the works, of materials and supplies actually used during the year whether purchased from others or received as transfers from other plants of the reporting company. Amounts paid to other manufacturers for work done on materials owned by the reporting company are included. Returnable containers or any other items charged to capital account are not included. Fuels are not included. Goods bought from others or received as transfers from other plants of reporting companies for resale without further processing are not included. Maintenance and repair supplies not chargeable to capital account are included.

Factory Shipments

Factory shipments refer to shipments of goods made from own materials either in the reporting plant or by other manufacturers on the basis of a charge to the reporting plant for work done. All products and by-products shipped from the establishment are included whether for domestic use, export, or for government departments. Transfer shipments to sales outlets, distributing warehouses or to other manufacturing units of the reporting firm are included. Goods bought or received as transfers and resold without further processing are not included. Values are computed on f.o.b. plant or

plant warehouse basis, and do not include sales tax or excise duties. Values of containers not returnable are included. Amounts received in payment for work done on materials owned by others are included.

In a few industries such as shipbuilding, aircraft, etc., where work on principal products extend over a relatively long period, the value of production is recorded rather than the value of shipments. For those industries production is computed from the value of deliveries of complete units during the year plus the value of work done during the year on unfinished units less the value of work done in previous years on finished units delivered in the year under review.

Inventories

Values represent the book values of manufacturing inventories owned and held at the reporting plant. Figures include inventories held in warehouses or selling outlets which have been included with plant operations for purposes of reporting shipments.

Value Added by Manufacturing

Figures are computed from value of shipments plus or minus changes in inventories of finished goods and goods in process less cost of materials, fuel and electricity. This figure is sometimes referred to as net production.¹

Standard Industrial Classification

The Standard Industrial Classification Manual, prepared by the Dominion Bureau of Statistics, provides for 135 three-digit industries in the manufacturing sector, arranged in 17 major groups. Reporting establishments are classified or allotted to specific industries on the basis of the value of principal products made or shipped.

Short Forms

Between 1949 and 1957, in an effort to ease the reporting burden for smaller firms, a short form was used asking for the total value of shipments only or, in a few cases where losses of detail were significant, for quantities and values of principal products. For purposes of publication, missing data were estimated on the basis of appropriate ratios. In general the cut-off point for these short forms was set at \$50,000 value of shipments. About 40% of the total number of establishments reported on the short form and accounted for less than 3 per cent of the total value of shipments.

In 1958, in order to establish a new base year, the small firms were asked to report all items of principal statistics together with some detail on materials and products.

¹ To arrive at the National Accounts concept of "gross domestic product at factor cost", it would be necessary to subtract also the cost of office supplies used, advertising, insurance and other goods and services obtained from other businesses. Data on these inputs are not collected on the annual Census of Manufactures. Value added figures for "The primary industries and construction" are published in D.B.S. publication 61-202, *Survey of Production*.

For the 1959 Census, the short form was used again, but further steps were taken to ease the respondents' burden. First, the general limit for short forms was raised to \$100,000 value of shipments. In addition, a new intermediate form was developed. This form is a shortened version of the long form in that most of the general questions were pared down and the detailed lists of materials and products were limited to the more important items. The general limits for firms in this category were set at between \$100,000-\$500,000 value of shipments, but in the case of both the short and intermediate forms there were lower cut-offs for a number of industries in which the smaller firms accounted for a larger share of total shipments. On the other hand, limits were raised where this could be done without a significant loss of coverage. On most of the short forms for 1959, in addition to total value of shipments, data on principal products were requested. In a few industries, where loss of employment and earnings data were considered too large because of higher cut-offs, a question on total payroll was placed on the short form.

The intermediate and long forms provide complete data for the compilation of all elements of principal industry statistics and the details of materials and products. The one-page short form, although containing data on principal products and total value of shipments, does not request information on other elements of principal statistics such as value of inventories, materials, fuel and electricity and, in most cases, employment and salaries and wages, nor does it contain detailed data on volume and value of materials used. For purposes of compiling aggregates of principal statistics by industry and by geographic location, the missing data for each establishment were estimated for 1959 by using, in general, ratios based on the change in the value of shipments between 1958 and 1959. The proportion of the estimated data was generally less than 5 per cent of the total in each category of principal statistics.

The general request for the principal items of products on the short form for 1959 permitted a fairly complete compilation of the detailed quantities and values of commodity shipments. In the case of the detailed quantities and values of materials, fuel and electricity, however, and the monthly distribution of production workers, only the totals of data actually reported on the intermediate and long forms are contained in published reports and no attempt was made as in past years to estimate the generally small proportion of individual totals represented by detailed items omitted from the short forms.

The new approach has relieved an additional 12,000 establishments from filling out the regular long form. Establishments now receiving the short form number in excess of 20,000 and account for more than 54 per cent of the total number of establishments and a little more than 3 per cent of the total value of shipments.

1959

Data on the distribution of coke (except petroleum and pitch coke) by the producers show that 13,033 tons were sold direct to domestic

Manufactured gas sold and used, amounted to 62,144,085 M cubic feet in 1959, including 58,356,931 M cubic feet from by-product ovens and 6,112,278 M cubic feet from gas plants. Sales of gas by the producers totalled 2,485,402 M cubic feet of which 1,472,591 M cubic feet were from by-product ovens and 1,012,811 M cubic feet were from gas works. Most of the remaining gas was used as fuel in the producing plants or in their associated metallurgical work. These figures do not include 12,354 M cubic feet of (Pintsch) oil gas for lighting railway cars, 38,397,688 M cubic feet of still gas recovered at petroleum refineries, nor iron blast furnace, gas and producer gas which was recovered and used by the producers but for which no records are available.

Province	Coke plants	Gas plants				Total
	By-product ovens	Retort coal gas only	Water gas only	Retort coal gas and water gas	Propane gas ¹	
	number					
Nova Scotia	1	—	—	—	—	1
Quebec.....	1	1	1	—	2	5
Ontario	4	—	—	—	—	4
British Columbia	1	—	—	—	1	2
Canada	7	1	1	—	3	12

¹ Distributed through regular town or city gas mains; distribution in cylinders not included.

TABLE 2. Principal Statistics of the Coke and Gas Industry, Significant Years 1929-59, and by Provinces, 1958 and 1959

Year and province	Estab- lish- ments ¹	Em- ployees	Salaries and wages	Cost of fuel and electricity at plant	Cost at plant of materials used	Value added by manufacture	Gross selling value of products
	number				dollars		
1929	43	3,902	5,938,814	2,628,714	18,517,214	18,764,515	39,910,443
1932	42	3,639	4,897,746	2,223,414	12,241,698	15,347,538	29,812,650
1937	33	4,027	5,709,569	2,906,092	17,217,957	21,578,880	41,702,929
1939	33	4,043	5,851,614	3,430,393	16,726,445	18,872,732	39,029,570
1944	34	4,747	8,940,613	6,478,811	37,809,253	25,287,651	69,575,715
1946	34	4,961	9,348,213	6,274,170	34,709,159	21,599,146	62,582,475
1949	30	5,139	13,641,224	8,023,441	54,063,072	34,847,993	96,934,506
1955	25	3,736	13,181,383	6,206,043	57,844,131	39,841,008	103,891,182
1956	25	3,334	13,772,298	7,000,584	66,709,535	39,974,276	113,684,395
1957	22	3,043	13,178,728	6,452,603	66,119,868	32,176,186	104,748,657
1958							
Quebec	5	530	2,000,810	295,594	7,892,943	5,573,966	13,762,503
Ontario	8	1,562	6,995,446	3,192,986	39,604,748	12,169,834	54,967,568
British Columbia, Manitoba and Nova Scotia ..	3	363	1,875,620	1,512,643	8,774,513	3,771,463	14,058,619
Canada	16	2,455	10,871,876	5,001,223	56,272,204	21,515,263	82,788,690
1959							
Quebec	5	491	1,761,093	442,423	6,959,155	2,727,561	10,129,139
Ontario	5	1,342	6,774,550	3,576,757	48,202,242	19,528,250	71,307,249
British Columbia and Nova Scotia	3	338	1,805,330	1,585,363	9,298,934	4,089,969	14,974,266
Canada	13	2,171	10,340,973	5,604,543	64,460,331	26,345,780	96,410,654

¹ The number shown includes companies which did not produce gas but which purchased gas from the manufacturers and distributed it to customers. Data for employees, etc., for these distributing companies are included in the industry totals but duplication in gas purchases and sales, as between producers and distributors, has been eliminated. Included also are firms which distributed propane gas through regular gas mains.

Note: Profits or losses cannot be calculated from above figures as data are not available for general expense items, such as interest, rent, depreciation, taxes, insurance, advertising, etc.

TABLE 3. Principal Statistics of the Coke and Gas Industry, 1955-59

Year	Number of companies ¹	Number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross value of products at works
			\$	\$	\$	\$
			Coke (By-product and beehive)			
1955	12	3,424	12,188,155	6,085,520	54,838,962	98,803,491
1956	12	3,030	12,688,650	6,844,224	63,615,449	108,599,912
1957	10	2,773	12,179,204	6,311,775	62,956,812	99,850,568
1958	9	2,313	10,314,774	4,939,913	54,394,082	79,499,243
1959	8	2,045	9,851,385	5,550,398	62,404,887	93,197,211
			Gas (Retort and water gas)			
1955	13	312	993,228	120,523	3,005,169	5,087,691
1956	13	304	1,083,648	156,360	3,094,086	5,084,483
1957	12	270	999,524	140,828	3,163,056	4,898,089
1958	7	142	557,102	61,310	1,878,122	3,289,447
1959	5	126	489,588	54,145	2,055,444	3,213,443

¹ See footnote, Table 2.

TABLE 4. Inventories,¹ 1959

	Raw materials and supplies	Goods in process	Finished goods of own manufacture	Total
	dollars			
Opening:				
Quebec	2,756,892	—	626,223	3,383,115
Ontario	15,137,756	24,320	655,774	15,817,850
British Columbia and Nova Scotia	326,246	124,781	369,216	820,243
Canada	18,220,894	149,101	1,651,213	20,021,208
Closing:				
Quebec	4,018,729	—	1,246,390	5,265,119
Ontario	16,252,299	156,712	557,993	16,967,004
British Columbia and Nova Scotia	349,445	133,149	254,754	737,348
Canada	20,620,473	289,861	2,059,137	22,969,471

¹ (a) Book value of all manufacturing inventories owned and held at plant and plant warehouses.

(b) Beginning with 1954, information on the value of year-end inventory holdings at plant and plant warehouses is being collected as part of the annual Census of Industry. These data were formerly collected by a separate survey. The summarized results for the Coke and Gas Industry for the year under review are shown in the above table.

(c) The opening inventory for the current year may not necessarily agree with the closing inventory published the previous year because of changes in the composition of the industry such as: the addition of new establishments, the disappearance of old ones, or the transfer of establishments to other industries for statistical purposes.

TABLE 5. Products Made in Coke and Gas Plants, 1958 and 1959

Product	1958		1959	
	Quantity	Gross selling value at works	Quantity	Gross selling value at works
		\$		\$
Gas made:				
Retort coal gas	M cu. ft. 4,458,601	—	4,996,348	—
Coke oven gas	" 46,966,290	—	58,356,931	—
Producer gas	" 192,325	—	—	—
Water gas	" 928,160	—	335,979	—
Propane, butane and oil gas	" 841,764	—	779,951	—
Total gas made	" 53,389,140	—	64,469,209	—
Gas sold or used:				
Gas sold	" 4,674,187	6,548,904	2,485,402	2,601,099
Gas used in own coke or gas plants	" 12,607,586	3,935,892	17,210,689	5,536,036
Gas used in associated works	" 28,913,734	7,420,216	37,129,087	9,687,086
Gas otherwise accounted for but not sold	" 2,734,841	1,746,867	2,988,727	1,148,025
Gas not accounted for	" 2,166,867	619,793	2,330,180	680,855
Total gas sold or used	" 51,097,215	20,271,672	62,144,085	19,653,101
Coke made:				
Coke from by-product or beehive ovens (including breeze)	ton 3,429,473	51,590,069	4,035,033	64,027,455
Coke from gas retorts (including breeze)	" 53,632	1,051,890	54,800	1,121,100
Total coke	" 3,483,105	52,641,959	4,089,833	65,148,555
Other products:				
Tar	Imp. gal. 35,869,842	4,761,263	41,181,423	5,452,833
Ammonium sulphate	lb. 58,765,127	937,608	58,053,941	927,993
Benzol	Imp. gal. 6,916,172	2,739,956	8,819,676	3,172,786
Toluol, xylol and naphthalene	" 2,430,467	808,365	2,735,477	840,629
All other products	—	627,867	—	1,214,657
Grand totals	—	82,788,690	—	96,410,654

TABLE 6. Products Made in Coke and Gas Plants, by Areas, 1959

Product	Eastern provinces		Ontario		Western provinces	
	Quantity	Gross selling value at works	Quantity	Gross selling value at works	Quantity	Gross selling value at works
		\$		\$		\$
Gas made:						
Retort coal gas	M cu. ft. 4,996,348	—	—	—	—	—
Coke oven gas	" 10,361,935	—	46,522,567	—	1,472,429	—
Producer gas	" —	—	—	—	—	—
Water gas	" 335,979	—	—	—	—	—
Propane, butane and oil gas	" 234,844	—	—	—	545,007	—
Total gas made	" 15,929,206	—	—	—	2,017,436	—
Gas sold or used:						
Gas sold	" 668,045	1,257,926	1,320,095	549,274	497,262	793,899
Gas used in own plants	" 4,372,547	1,842,824	11,657,713	3,339,084	1,180,429	354,128
Gas used in associated works	" 8,997,671	1,669,451	27,839,416	8,003,035	292,000	14,600
Gas otherwise accounted for but not sold	" 1,178,162	512,644	1,810,565	635,381	—	—
Gas not accounted for	" 692,243	376,183	1,590,192	231,064	47,745	73,608
Total gas sold or used	" 15,908,668	5,659,028	44,217,981	12,757,838	2,017,436	1,236,235
Coke made:						
Coke from by-products or beehive ovens (including breeze)	ton 722,631	12,968,044	3,178,068	49,269,505	134,134	1,789,906
Coke from gas retorts (including breeze)	" 54,800	1,121,100	—	—	—	—
Total coke made	" 777,631	14,089,144	3,178,068	49,269,505	134,134	1,789,906
Other products:						
Tar	Imp. gal. 8,360,837	1,112,413	32,051,678	4,263,629	768,908	76,891
Other products	—	1,139,786	—	5,016,277	—	—
Grand totals	—	22,000,373	—	71,307,249	—	3,103,032

TABLE 7. Materials Used in Coke and Gas Plants, 1958 and 1959

Material		1958		1959	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal carbonized in ovens or retorts:					
(a) Canadian	ton	795,021	8,415,402	812,168	8,870,954
(b) Imported	"	3,984,994	42,665,692	4,824,928	51,105,124
Bituminous coal for making water gas:					
(a) Canadian		—	—	—	—
(b) Imported	ton	879	11,268	—	—
Coke for making water gas:					
(a) Purchased	"	4,087	89,153	3,973	88,706
(b) Companies' own make	"	7,019	147,399	—	—
Coke for making producer gas (Companies' own make)	"	22,577	474,117	—	—
Oil used for enriching water gas	Imp. gal.	2,226,529	253,021	806,916	70,517
Absorbing and wash oil	"	286,978	72,414	216,423	53,559
Caustic soda	lb.	2,198,246	67,648	3,057,501	115,817
Lime	ton	363	4,730	223	3,954
Water		—	70,946	—	94,225
Iron oxide	ton	237	2,446	100	1,211
Sulphuric acid, 100%	lb.	54,217,967	719,793	52,206,883	693,985
Propane and butane	Imp. gal.	6,099,452	760,725	5,138,348	597,173
All other materials		—	2,517,450	—	2,765,106
Total cost		—	56,272,204	—	64,460,331

TABLE 8. Materials Used in Coke and Gas Plants, by Areas, 1959

Material		Eastern provinces		Ontario		Western provinces	
		Quantity	Cost at works	Quantity	Cost at works	Quantity	Cost at works
			\$		\$		\$
Bituminous coal carbonized in ovens and retorts:							
(a) Canadian	ton	638,941	7,735,732	—	—	173,227	1,135,222
(b) Imported	"	405,957	4,582,682	4,418,971	46,522,442	—	—
Bituminous coal for making water gas:							
(a) Canadian		—	—	—	—	—	—
(b) Imported		—	—	—	—	—	—
Coke for making water gas:							
(a) Purchased	ton	3,973	88,706	—	—	—	—
(b) Companies' own make		—	—	—	—	—	—
Coke for making producer gas (Companies' own make)		—	—	—	—	—	—
Oil used for enriching water gas	Imp. gal.	763,302	65,653	—	—	43,614	4,864
Absorbing and wash oil	"	127,703	28,619	88,720	24,940	—	—
Caustic soda	lb.	659,077	31,956	2,396,424	63,661	—	—
Lime	ton	223	3,954	—	—	—	—
Water		—	4,156	—	90,069	—	—
Iron oxide	ton	100	1,211	—	—	—	—
Sulphuric acid, 100%	lb.	15,809,940	279,720	38,396,943	414,265	—	—
All other materials		—	1,982,421	—	1,066,665	—	313,193
Total cost		—	14,804,810	—	48,202,242	—	1,453,279

TABLE 9. Principal Statistics of the Coke and Gas Industry in Canada, grouped according to Selling Value of Factory Shipments¹ 1958 and 1959

Establishments reporting production	Establishments	Employees	Salaries and wages	Cost at plant of materials used	Selling value of factory shipments
	number			dollars	
1958					
\$ 50,000 to \$ 99,999	1	107	405,340	685,503	1,612,615
200,000 " 499,999	5				
500,000 " 999,999	2	478	1,695,222	2,644,246	5,663,194
1,000,000 " 4,999,999	2				
5,000,000 and over	6	1,870	8,771,314	52,942,455	75,512,881
Totals	16	2,455	10,871,876	56,272,204	82,788,690
1959					
\$ 200,000 to \$ 499,999	4	123	467,049	780,875	2,219,701
500,000 " 999,999	1				
1,000,000 " 4,999,999	3	206	955,893	3,981,804	6,500,406
5,000,000 and over	5	1,842	8,918,031	59,697,652	87,890,547
Totals	13	2,171	10,340,973	64,460,331	96,410,654

¹ All incorporated companies.

TABLE 10. Capital and Repair Expenditures in the Coke and Gas Industry, 1955-59

Year	Capital expenditures		Sub-total	Repair and maintenance expenditures		Sub-total	Total capital and repair expenditures
	Construction	Machinery and equipment		Construction	Machinery and equipment		
	thousands of dollars						
1955	129	4,330	4,459	660	4,776	5,436	9,895
1956	353	2,333	2,686	484	3,555	4,039	8,725
1957	554	11,920	12,474	502	2,608	3,110	15,584
1958	3,777	282	4,059	412	2,077	2,489	8,548
1959 ^P	203	428	631	684	2,008	2,692	3,323

TABLE 11. Production of Beehive, By-product and Gas Retort Coke,¹ 1950-59

Year	By-product and beehive coke		Gas retort coke		Total	
	Quantity	Selling value at works	Quantity	Selling value at works	Quantity	Selling value at works
	short tons	\$	short tons	\$	short tons	\$
1950	3,719,984	53,749,197	244,712	3,234,824	3,964,696	58,984,021
1951	3,691,482	56,475,028	240,144	3,373,804	3,931,626	59,848,832
1952	3,883,694	56,260,686	172,961	2,440,424	4,056,655	58,701,110
1953	4,070,500	61,426,117	182,333	2,745,632	4,252,833	64,171,749
1954	3,232,082	46,250,499	192,138	2,287,389	3,424,218	50,537,888
1955	3,937,404	57,132,193	67,220	1,109,162	4,004,624	58,241,355
1956	4,270,700	64,304,421	60,518	1,073,273	4,331,218	65,377,694
1957	4,069,879	62,483,393	49,321	959,063	4,119,200	63,442,456
1958	3,429,473	51,590,069	53,632	1,051,890	3,483,105	52,641,959
1959	4,035,033	64,027,455	54,800	1,121,100	4,089,833	65,148,555

¹ Includes coke breeze.

TABLE 12. Production of Beehive, By-product and Gas Retort Coke, by Provinces, 1950 - 59

Year	Eastern Provinces		Ontario		Western Provinces		Canada	
	Quantity	Selling value at works	Quantity	Selling value at works	Quantity	Selling value at works	Quantity	Selling value at works
	short tons	\$	short tons	\$	short tons	\$	short tons	\$
1950	1,108,634	16,726,922	2,536,975	36,746,944	319,067	3,510,155	3,964,676	56,984,021
1951	1,160,208	19,004,760	2,466,842	37,251,442	304,576	3,592,630	3,931,626	59,848,832
1952	1,073,806	18,109,639	2,686,544	36,935,991	296,305	3,655,480	4,056,655	58,701,110
1953	1,032,762	17,675,957	2,932,928	42,954,291	287,143	3,541,501	4,252,833	64,171,749
1954	856,887	13,302,036	2,286,934	33,932,193	280,397	3,303,659	3,424,218	50,537,888
1955	869,495	13,390,416	2,838,651	41,266,225	296,478	3,564,714	4,004,623	58,241,355
1956	931,113	15,155,722	3,094,784	46,454,399	305,319	3,767,573	4,331,216	65,377,694
1957	979,925	16,911,795	2,948,497	43,919,104	190,778	2,611,557	4,119,200	63,442,456
1958	766,036	13,804,373	2,543,149	36,584,484	173,920	2,253,102	3,483,105	52,641,959
1959	777,631	14,089,144	3,178,068	49,269,505	134,134	1,789,906	4,089,833	65,148,555

TABLE 13. Coke Balance and Distribution of Coke by Manufacturers, 1959

	Short tons
Coke balance:	
Stocks of coke on hand, December 31, 1958	224,457
Coke produced in 1959	4,069,833
Purchased by manufacturers:	
(a) Canadian coke	12,692
(b) Imported from U.S.A.	26,119
Less coke sold to other makers	3,137
Less coke wasted or scrapped	93
Less stocks of coke on hand, December 31, 1959	329,231
Total available for sale or use	4,020,640
Distribution of coke by manufacturers:	
Used as fuel	5,440
Used in making gas	3,973
Used in makers' own blast furnaces	2,970,689
Used in associated works	204,643
Sales:	
(a) For domestic use	13,033
(b) For other uses	576,701
(c) To dealers for resale	135,790
(d) For export	110,371
Total used and sold	4,020,640

TABLE 14. Coal Carbonized, Coke Produced and Distribution of Coke by Manufacturers, 1959

	Short tons
Coal carbonized:	
Canadian	812,168
Imported	4,824,928
Totals	5,637,096
Coke made	4,069,833
Coke yield	72.6 %
Coke used as fuel in makers' own plants	5,440
Coke used in making gas	3,973
Coke used in makers' own blast furnaces	2,970,689
Coke used in associated works	204,643
Coke sold:	
(a) For domestic use	13,033
(b) For other uses	576,701
(c) To dealers for resale	135,790
(d) For export	110,371
Total coke sold and used	4,020,640
Stocks on December 31, 1959	329,231

TABLE 15. Production of Beehive, By-product and Gas Retort Coke, by Months, 1955-59

Month	1955	1956	1957	1958	1959
thousands of short tons					
January	300	355	359	305	304
February	301	336	335	276	295
March	335	355	373	302	342
April	330	354	354	304	339
May	339	363	367	316	366
June	330	359	349	305	335
July	340	370	358	308	347
August	346	370	366	260	347
September	344	359	341	243	330
October	362	378	318	272	361
November	345	362	308	290	363
December	333	370	291	302	361
Totals	4,005	4,331	4,119	3,483	4,090
Monthly average	334	361	343	291	341

Note: Above breakdown developed from a special monthly report on coke and includes revisions necessary to effect reconciliation with annual totals shown in relevant tables of this report.

TABLE 16. Bituminous Coal charged to Coke Ovens and Gas Retorts, 1950-59

Year	Beehive and by-product ovens		Gas retorts		Total ¹
	Canadian	Imported	Canadian	Imported	
	tons				
1950	1,266,305	3,647,907	31,608	340,103	5,285,923
1951	1,246,399	3,649,826	44,346	317,255	5,257,826
1952	1,146,741	4,030,780	20,891	260,942	5,459,354
1953	1,077,259	4,367,386	1,808	286,930	5,735,383
1954	860,645	3,446,379	20,798	260,394	4,608,216
1955	902,495	4,359,088	82,361	44,260	5,388,204
1956	981,297	4,718,784	45,608	66,197	5,813,978
1957	945,569	4,562,686	26,909	96,879	5,632,043
1958	765,021	3,942,552	30,000	42,442	4,780,894
1959	783,173	4,766,937	28,995	57,991	5,637,096

¹ Includes 11,194 tons used in making water gas in 1949; 3,576 tons in 1950; 3,510 tons in 1951; 3,309 tons in 1952; 3,081 tons in 1953; 3,941 tons in 1954; 2,171 tons in 1955; 2,092 tons in 1956; 2,031 tons in 1957 and 879 tons in 1958. No coal used for this purpose in 1959.

TABLE 17. Bituminous Coal charged to Coke Ovens and Gas Retorts, by Provinces, 1950-59

Year	Eastern Provinces		Ontario		Western provinces		Total ¹
	Canadian	Imported	Canadian	Imported	Canadian	Imported	
	tons						
1950	867,423	804,818	—	3,378,232	430,490	4,960	5,285,923
1951	881,739	884,398	—	3,296,162	409,006	4,521	5,257,826
1952	778,591	849,533	—	3,639,066	389,041	3,123	5,459,354
1953	719,060	644,897	—	3,998,136	380,007	13,483	5,735,383
1954	541,791	818,707	—	3,087,668	339,652	20,182	4,608,216
1955	630,549	541,614	—	3,837,052	354,307	24,682	5,388,204
1956	661,294	574,078	—	4,186,131	385,611	24,866	5,813,978
1957	736,858	588,510	—	4,057,220	235,620	13,835	5,832,043
1958	570,863	426,231	—	3,558,763	224,158	—	4,780,894
1959	638,941	405,957	—	4,418,971	173,227	—	5,637,096

¹ See footnote, Table 16.

TABLE 18. Production of Petroleum Coke, 1950-59

Year	Made for own use		Made for sale		Total	
	Tons	Selling value at works	Tons	Selling value at works	Tons	Selling value at works
		\$		\$		\$
1950	34,104	240,082	88,087	900,521	122,191	1,140,603
1951	44,085	450,212	120,604	1,223,962	164,689	1,674,174
1952	52,638	506,920	150,750	1,650,342	203,388	2,157,262
1953	91,869	686,331	146,794	1,248,755	238,663	1,935,086
1954	80,378	659,009	156,509	1,480,213	236,887	2,139,222
1955	115,887	916,175	154,012	1,457,915	269,899	2,374,090
1956	114,908	1,211,899	155,997	1,887,778	270,905	3,099,677
1957	118,135	1,647,867	155,161	2,020,451	273,298	3,668,318
1958	285,937 ¹	3,516,356	176,860	2,121,668	462,797 ¹	5,638,024
1959	333,322 ¹	3,235,851	196,258	1,775,275	529,580 ¹	5,011,126

¹ Includes additional volumes of coke (as catalytic carbon) not reported prior to 1958.

Note: Petroleum coke is not included in coke production figures given for the Coke and Gas Industry.

TABLE 19. Total Production of Coke (including Petroleum and Pitch Coke) in Canada, 1956-59

	Atlantic provinces	Quebec	Ontario	Western provinces	Canada
1956					
Coke and gas industry	475,808	455,305	3,094,784	305,319	4,331,216
\$	6,675,779	8,479,943	46,454,399	3,767,573	65,377,694
Petroleum refining industry	425	42,767	85,066	142,647	270,905
\$	6,588	594,219	1,318,524	1,180,346	3,099,677
Pitch coke	4,622	370	3,035	62	8,089
\$	109,577	11,700	80,022	1,779	203,078
Totals	480,855	498,442	3,182,885	448,028	4,610,210
\$	6,791,944	9,085,862	47,852,945	4,949,698	68,680,449
1957					
Coke and gas industry	550,895	429,030	2,948,497	190,778	4,119,200
\$	8,454,234	8,457,561	43,919,104	2,611,557	83,442,456
Petroleum refining industry	33,048	47,081	71,529	121,638	273,296
\$	688,141	693,478	1,215,993	1,070,706	3,668,318
Pitch coke	2,666	303	2,353	73	5,395
\$	65,277	10,383	50,516	2,127	128,303
Totals	586,609	476,414	3,022,379	312,489	4,397,891
\$	9,207,652	9,161,422	45,185,613	3,684,390	67,239,077
1958					
Coke and gas industry	413,515	352,521	2,543,149	173,920	3,483,105
\$	6,894,844	6,909,529	36,584,484	2,253,102	52,641,959
Petroleum refining industry	50,945	67,024	228,035	118,793	462,797
\$	619,376	764,287	3,196,265	1,058,096	5,638,024
Pitch coke	2,786	359	5,010	—	8,155
\$	67,900	11,296	84,082	—	163,278
Totals	467,246	419,904	2,774,194	292,713	3,954,057
\$	7,582,120	7,685,112	39,864,831	3,311,198	58,443,261
1959					
Coke and gas industry	458,238	319,393	3,178,068	134,134	4,089,833
\$	7,750,160	6,338,984	49,269,505	1,789,906	65,148,555
Petroleum refining industry ¹	59,366	68,685	215,909	185,620	529,580
\$	639,321	719,402	2,253,384	1,399,019	5,011,126
Pitch coke	678	—	2,785	—	3,463
\$	18,373	—	48,724	—	67,097
Totals	518,282	388,078	3,396,762	319,754	4,622,876
\$	8,407,854	7,058,386	51,571,613	3,188,925	70,226,778

¹ See footnote, Table 18.

TABLE 20. Apparent Consumption of Coke (including Petroleum and Pitch Coke) in Canada, by Provinces, 1950-59

	Atlantic Provinces	Quebec	Ontario	Western Provinces	Canada
	tons				
Apparent consumption:					
1950	672,765	759,995	2,796,586	258,730	4,488,056
1951	650,700	801,770	3,164,213	258,062	4,874,745
1952	559,791	737,117	3,138,364	241,764	4,677,036
1953	583,027	770,066	4,212,909	330,720	4,896,722
1954	381,658	743,612	2,534,183	322,508	3,981,961
1955	438,200	882,712	3,336,991	390,997	5,046,900
1956	474,092	884,121	3,583,807	425,455	5,387,275
1957	581,118	744,664	3,681,966	301,240	5,308,988
1958					
Production	467,246	419,904	2,774,194	292,713	3,954,057
Add decline or deduct increase in producers' stocks	+ 326	- 30,122	- 31,229	- 12,203	- 73,228
	467,572	389,782	2,742,965	280,510	3,880,829
Add—Imports entered for consumption	91	297,512	285,038	23,055	605,696
	467,663	687,294	3,028,003	303,565	4,486,525
Deduct—Exports and re-exports	7,826	12,594	53,507	72,110	146,037
Apparent consumption	459,837	674,700	2,974,496	231,455	4,340,488
1959					
Production	518,282	388,078	3,398,762	319,754	4,622,876
Add decline or deduct increase in producers' stocks	+ 2,135	- 647	- 95,121	- 32,748	- 126,381
	520,417	387,431	3,301,641	287,006	4,496,495
Add—Imports entered for consumption	138	256,674	416,860	23,743	697,415
	520,555	344,105	3,718,501	310,749	5,193,910
Deduct—Exports and re-exports	10,208	23,439	80,818	61,555	176,020
Apparent consumption	510,347	620,666	3,637,683	249,194	5,017,890

Note: (a) The imports "Entered for consumption" represent tonnages cleared from customs' ports. The tonnages under this heading differ slightly from actual imports.

(b) See footnote, Table 18 re own use petroleum coke.

TABLE 21. Quantity of Coke in the Hands of the Producers at the End of 1958 and 1959

Province	1958			1959			Difference, 1959 from 1958
	Petroleum refineries	Coke and gas plants	Total	Petroleum refineries	Coke and gas plants	Total	
	tons						
Nova Scotia	—	7,863	7,863	307	5,421	5,728	- 2,135
Quebec	1,740	77,655	79,395	3,860	76,382	80,042	+ 647
Ontario	1,958	98,321	100,279	3,295	192,105	195,400	+ 95,121
Manitoba	—	—	—	—	26,597	26,597	+ 26,597
Saskatchewan	1,598	—	1,598	1,968	—	1,968	+ 370
Alberta	723	—	723	1,532	—	1,532	+ 809
British Columbia	—	23,754	23,754	—	28,726	28,726	+ 4,972
Totals	6,019	207,593	213,612	10,762	329,231	339,993	+126,381

¹ Not reporting to this survey in 1958.

Note: No data available on producers' stocks of pitch coke.

TABLE 22. Sales of Manufactured (including LPG's) and Natural Gas in Canada, 1958 and 1959
(as reported by Distributors)

	1958			1959		
	Number of customers ¹	Quantity sold	Revenue from sales	Number of customers ¹	Quantity sold	Revenue from sales
		M cu. ft.	\$		M cu. ft.	\$
Manufactured gas (including LPG's):						
Domestic	28,385	2,830,633	4,204,910	26,765	912,532	1,441,554
House heating						
Industrial	447	466,147	485,607	426	161,359	161,452
Commercial	2,992	1,250,918	1,611,375	2,933	417,108	642,922
Miscellaneous	75	—	9,131	68	—	1,530
Totals	31,899	4,547,698	6,311,023	30,192	1,490,999	2,247,458
Natural gas:						
Domestic	952,755	77,223,921	67,573,192	1,028,142	97,937,027	91,191,049
Industrial	6,080	94,134,110	26,752,529	6,595	141,694,838	41,440,989
Commercial	74,028	36,260,989	20,166,028	84,292	43,485,254	27,108,726
Miscellaneous ²	67	94,174	454,339	132	112,970	41,045
Totals	1,032,930	207,713,194	114,946,088	1,119,161	283,230,089	159,781,809
Totals — All gas	1,064,829	212,260,892	121,257,111	1,149,353	284,721,088	162,029,267

¹ As of December 31.

² Includes some free customers.

Note: The sales figures for manufactured gas, as recorded in this table, differ slightly from those given in Table 25 because they represent sales by distributing companies to consumers. Some petroleum refinery gas was treated and distributed by the natural gas companies. Also, in 1959 Table 25 includes some coke oven gas sold for chemical purposes. This latter amount is not included in above table.

TABLE 23. Sales¹ of Manufactured and Natural Gas in Canada, 1950-59
(as reported by Distributors)

Year	Manufactured gas		Natural gas		Total — All gas	
	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales	Quantity sold	Revenue from sales
	M cu. ft.	\$	M cu. ft.	\$	M cu. ft.	\$
1950	27,030,401	29,467,444	58,098,290	21,638,411	85,128,691	51,105,855
1951	28,140,356	30,265,982	65,056,253	24,219,528	93,196,609	54,485,510
1952	26,304,679	31,742,360	66,132,973	27,102,380	92,437,652	58,844,740
1953	25,878,673	32,220,770	73,968,312	30,860,631	99,846,985	63,081,401
1954	26,314,648	33,118,641	95,520,785	37,483,695	121,835,433	70,602,336
1955	18,937,587	20,258,776	119,730,531	56,058,330	138,668,118	76,317,106
1956	20,038,343	20,683,331	143,725,649	64,652,458	163,763,992	85,335,789
1957	15,954,597	16,562,015	168,783,456	83,163,566	184,738,053	99,725,581
1958	4,547,698	6,311,023	207,713,194	114,946,088	212,260,892	121,257,111
1959	1,490,999	2,247,458	283,230,089	159,781,809	284,721,088	162,029,267

¹ See footnote 1, Table 22.

Note: Totals for following years have been revised: Manufactured gas — 1958; Natural gas — 1952-55 and 1958.

TABLE 24. Sales of Coke of all Kinds by Retail Fuel Dealers, Calendar Years, 1958 and 1959

	1958	1959
	tons	
(a) By areas		
Newfoundland	—	—
Prince Edward Island	1,193	977
Nova Scotia	7,035	5,396
New Brunswick	4,336	3,947
Totals, Atlantic Provinces	12,564	10,320
Montreal area	80,756	76,402
Quebec area	5,762	3,769
Kingston area	1,193	1,066
Northern area (northern Quebec and northeastern Ontario)	2,103	1,897
Ottawa area	9,849	8,162
Toronto area	21,608	19,988
Western area	348	344
Windsor area	7,295	5,820
Totals, Quebec and Ontario	128,914	117,448
Manitoba	11,578	12,342
Saskatchewan	—	—
Alberta	—	—
British Columbia	—	—
Totals, Western Provinces	11,578	12,342
Canada	153,056	140,110
(b) By selected cities		
Halifax	1,744	1,765
Saint John	169	153
Montreal	74,719	70,841
Quebec	666	706
Toronto	3,857	3,452
Hamilton	9,005	8,035
Ottawa (including Hull)	7,214	5,968
Windsor	1,249	1,145
Winnipeg	11,419	12,207

Note: The above amounts used chiefly for heating homes and other buildings.

TABLE 25. Production and Sales of Manufactured Gas, 1950-59

Year	From by-product and gas plants			Production of still gas from petroleum refineries
	Production ¹	Sales ¹		
		Quantity	Income from sales	
	M cu. ft.		\$	M cu. ft.
1950	74,912,985	25,574,110	28,044,761	15,112,661
1951	77,486,822	25,959,987	29,087,074	17,642,679
1952	78,651,418	28,277,503	30,911,194	19,602,387
1953	82,516,083	25,917,492	32,340,134	20,782,933
1954	70,228,890	26,459,368	32,920,031	20,368,575
1955	74,509,459	18,984,203	19,846,419	22,606,560
1956	78,571,278	19,547,028	20,122,843	27,957,159
1957	74,477,992	15,861,191	14,875,883	38,295,172
1958	53,389,140	4,674,167	6,546,904	39,583,084
1959	64,469,209	2,485,402	2,801,099	38,397,688

¹ Does not include blast furnace gas and producer gas which were recovered and used by the producers but for which no records are available.

² Totals for 1959 include some coke, oven gas sold for chemical purposes.

TABLE 26. Production of Crude Coal Tar, by Provinces, 1957-59

Province	1957	1958	1959
	Imperial gallons		
Nova Scotia	7,633,006	5,935,695	6,338,314
Quebec	4,766,844	2,880,898	2,022,523
Ontario	29,978,009	25,987,273	32,051,678
Manitoba	348,287	—	—
British Columbia	925,318	1,065,976	768,908
Canada	43,651,464	35,869,842	41,181,423

TABLE 27. Production, Imports and Exports of Ammonium Sulphate, 1950-59

Year	Production ¹		Imports		Exports	
	Tons	Value	Tons	Value	Tons	Value
		\$		\$		\$
1950	211,534	8,710,259	103	7,255	209,101	8,972,503
1951	209,159	8,962,529	314	18,906	145,724	6,456,603
1952	226,664	9,817,579	845	46,195	199,681	8,717,210
1953	186,540	8,200,124	21,254	925,636	147,371	6,492,953
1954	173,493	7,555,150	14,102	601,620	154,760	6,964,552
1955	311,373	11,533,836	7,029	311,212	N.A.	10,978,475
1956	339,510	10,395,934	3,144	142,789	N.A.	12,072,905
1957	318,634	7,940,151	3,288	129,827	N.A.	9,300,315
1958	300,049	7,805,546	5,892	218,599	N.A.	8,223,655
1959	307,121	7,495,212	5,941	208,159	N.A.	8,506,770

¹ Includes output of ammonium sulphate produced or recovered in other industries.

TABLE 28. Employees and their Earnings in the Coke and Gas Industry, by Provinces, 1958 and 1959

Province	Employees					Earnings		
	Supervisory and office		Production workers		Total	Supervisory and office	Production workers	Total
	Male	Female	Male	Female				
	number					dollars		
1958								
Quebec	143	52	335	—	530	758,723	1,242,087	2,000,810
Ontario	203	91	1,268	—	1,562	1,212,288	5,783,158	6,995,446
British Columbia, Manitoba and Nova Scotia	32	2	329	—	363	181,357	1,694,263	1,875,620
Canada	378	145	1,932	—	2,455	2,152,368	8,719,508	10,871,876
1959								
Quebec	143	53	295	—	491	760,764	1,000,329	1,761,093
Ontario	144	29	1,169	—	1,342	935,524	5,839,026	6,774,550
British Columbia and Nova Scotia	34	3	301	—	338	204,095	1,601,235	1,805,330
Canada	321	85	1,765	—	2,171	1,900,383	8,440,590	10,340,973

TABLE 29. Production Workers, by Months, 1958 and 1959

Month	1958			1959		
	Male	Female	Total	Male	Female	Total
	number					
January	2,045	—	2,045	1,614	—	1,614
February	2,015	—	2,015	1,650	—	1,650
March	1,984	—	1,984	1,684	—	1,684
April	2,009	—	2,009	1,725	—	1,725
May	1,967	—	1,967	1,840	—	1,840
June	1,969	—	1,969	1,822	—	1,822
July	2,015	—	2,015	1,835	—	1,835
August	1,704	—	1,704	1,814	—	1,814
September	1,746	—	1,746	1,814	—	1,814
October	1,760	—	1,760	1,802	—	1,802
November	2,056	—	2,056	1,798	—	1,796
December	1,922	—	1,922	1,778	—	1,778
Averages	1,932	—	1,932	1,765	—	1,765

TABLE 30. Fuel and Electricity Used in the Coke and Gas Industry, 1958 and 1959

Kind		1958		1959	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal (a) From Canadian mines	ton	10,993	114,727	11,470	125,692
(b) Imported	"	11,693	82,759	1,474	12,516
Coke	"	21,196	141,889	5,468	41,598
Gasoline (including gasoline used in cars and trucks)	Imp. gal.	60,449	19,728	338,920	105,629
Fuel oil, including kerosene	"	1,308,490	116,385	1,339,113	118,556
Gas (a) Liquefied petroleum gases		—	—	—	—
(b) Other manufactured gas	M cu. ft.	12,615,250	3,938,080	16,398,028	4,639,134
(c) Natural gas	"	58,361	25,866	145,450	75,634
Other fuel	21,098	..	16,043
Electricity purchased	kwh.	67,850,166	540,691	63,647,651	469,741
Totals	5,001,223	...	5,604,543

Directory of Firms in the Coke and Gas Industry, 1959

Name of firm and location of plant	Coke and gas-making equipment, including reserve equipment (Rated annual capacity, in tons of coal carbonized or in cubic feet of gas produced, given in brackets)
------------------------------------	--

1. COKE PLANTS

By-product ovens

Dominion Iron & Steel Ltd., Sydney, Nova Scotia	In use — 114 Koppers Becker Underjet Fired (988,690 tons)
Quebec Natural Gas Corporation 435 St. Patrick St., Ville La Salle, Quebec.	In use — 74 Koppers Becker type horizontal ovens (656,000 tons); 4 Koppers Kerpely ring type producers (12,700,000 M. cu. ft.); 5 water gas sets (8,800,000 M. cu. ft.)
	In reserve or idle — 4 Kopper Kerpely ring type producers (12,700,000 M. cu. ft.); 5 water gas sets (8,800,000 M. cu. ft.)
Algoma Steel Corporation Ltd. (Great Northern Gas Co. Ltd.) Sault Ste. Marie, Ontario	In use — 110 Wilputte ovens (863,225 tons), and 143 Koppers ovens (1,302,320 tons)
Dominion Foundries and Steel Limited, Depew St., Hamilton, Ontario	In use — 105 Koppers ovens (850,000 tons)
Hamilton By-product Coke Ovens, Ltd., Hamilton, Ontario	In use — 25 Semet-Solvay ovens (175,000 tons), and 35 Wilputte ovens (240,000 tons)
Steel Company of Canada, Limited, Hamilton, Ontario	In use — 191 Wilputte ovens (1,853,000 tons)
Crow's Nest Pass Coal Co. Ltd., Michel, British Columbia	In use — 52 by-product ovens (266,450 tons) In reserve or idle — 234 beehive ovens (124,000 tons)

2. ILLUMINATING AND FUEL GAS PLANTS

Retort coal gas and carburetted water gas

Shawinigan Chemicals Ltd., Shawinigan Falls, Quebec	5 chemical type coking stokers of own design (150,000 tons)
Quebec Power Company, Verdun, Quebec	In use — 1 Western Gas water gas set (660,000 M. cu. ft.) In reserve or idle — 2 U.G. Co. water gas sets (1,760,000 M. cu. ft.)

Propane gas¹

B.C. Electric Co. Ltd., Gas Division, Victoria, British Columbia
City Gas and Electric Corporation, Ltd., Three Rivers, Quebec
City of Sherbrooke Gas and Electricity Dept., Sherbrooke, Quebec

¹ Includes only the concerns which distribute through city gas mains; distributors of propane in cylinders not included.

Note: Names of gas distributing companies in brackets.

STATISTICS CANADA LIBRARY
BIBLIOTHEQUE STATISTIQUE CANADA



1010693205

19
THE COKE AND GAS INDUSTRY