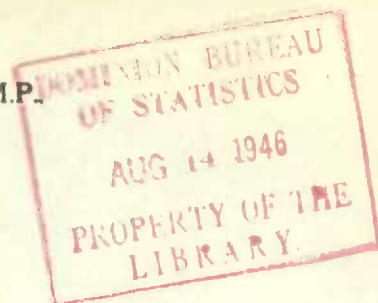


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THE COKE AND GAS INDUSTRY
IN
CANADA
1944



OTTAWA
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 Director - Industrial Census and Census of Merchandising:
 Chief - Mining, Metallurgical and Chemical Branch:

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THE COKE AND GAS INDUSTRY, 1944

Production from coke plants and from illuminating and fuel gas plants in Canada during 1944 was valued at \$69,575,715. This output was 14.2 per cent above the \$60,900,598 of the previous year and set a new record for the industry. Output for the year under review included 4,017,696 tons of coke valued at \$37,780,158 at the works, 79,228,514 M cubic feet of gas, of which 79,055,403 M cubic feet valued at \$26,571,271 were sold or used; and by-products valued at \$5,224,286.

Thirty coke and gas works operated in 1944, including 11 by-product and bee-hive plants, 13 retort coal and water gas plants, and 1 propane gas plant. Fifteen of these works were located in Ontario, 4 in British Columbia, 5 in Quebec, 2 in Manitoba, 2 in Nova Scotia, 1 in New Brunswick and 1 in Alberta. In addition to these producers, 1 company in Quebec and 2 in Ontario purchased coke-oven gas and distributed it for domestic or commercial use, and data covering their operations have been included to round out the figures for the industry.

Output of coke from gas retorts, by-products and bee-hive ovens totalled 4,017,696 tons in 1944 compared with 3,551,773 tons in 1943 and 3,265,549 tons in 1942. By-product and bee-hive ovens produced 3,712,404 tons of coke in 1944 and gas retorts made 305,292 tons. In addition, 72,809 tons of petroleum coke were recovered in petroleum refineries and 13,789 tons of pitch coke in coal tar distillation plants.

Data on the distribution of coke (except petroleum and pitch coke) by the producers show that 203,562 tons were sold direct to domestic consumers; 1,732,546 tons were used in associated works operated by the producing companies; 351,077 tons were used by coke plants as fuel or to make water gas; 669,164 tons were sold direct to consumers for foundry and other uses (other than domestic); 1,063,359 tons were sold to dealers for resale, and 39,982 tons were sold for export. The total distribution was 4,059,690 tons, including imports by the producers of 99,387 tons. Total stocks of coke in the hands of producers amounted to 297,168 tons at the end of 1944.

Imports into Canada of coke made from coal declined to 813,352 tons in 1944 from 920,955 tons in 1943, and exports decreased to 42,598 tons from 48,256 tons. Imports of petroleum coke during this period declined to 221,970 tons from 334,830 tons and exports (including re-exports of imported coke) decreased to 27,104 tons from 56,671 tons.

Manufactured gas, sold and used, amounted to 79,055,403 M cubic feet in 1944, including 60,818,326 M cubic feet from by-product ovens and 18,237,077 M cubic feet from gas plants. Sales of gas by the producers totalled 21,101,351 M cubic feet, of which 12,227,509 M cubic feet were from by-product ovens and 8,873,842 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 works. These figures do not include 56,772 M cubic feet of (Pintsch) oil gas for lighting railway cars, 10,601,455 M cubic feet of still gas recovered at petroleum refineries, nor iron blast furnace gas and some producer gas which was recovered and used by the producers but for which no records are available.

The number of customers served with manufactured illuminating and fuel gas in 1944 was 526,925, the length of distributing mains was 2,948 miles, and the average calorific value of the gas sold ranged from 450-570 B.T.U. per cubic foot.

Table 1 - DISTRIBUTION OF COKE AND GAS MANUFACTURING PLANTS, BY PROVINCES, 1944

Province	Coke Plants(x)	Gas Plants				TOTAL
	By-product and bee-hive ovens	Retort coal gas only	Water gas only	Retort coal gas and water gas	Propane gas	
Nova Scotia	1	1	...	...	...	2
New Brunswick .....	...	1	...	...	...	1
Quebec	1	1	1	1	1	5
Ontario	5	2	5	3	...	15
Manitoba	1	1	...	...	...	2
Alberta	1	...	...	...	...	1
British Columbia ...	2	1	...	1	...	4
CANADA	11	7	6	5	1	30

(x) 9 By-product only, 1 bee-hive only and 1 both by-product and bee-hive.

Table 2 - SIZE OF ESTABLISHMENTS, ACCORDING TO QUANTITY OF COAL CHARGED TO OVENS OR RETORTS, 1944

Coal Used	Number of plants (x)	Total coal for gas making
Less than 5,000 tons	5	11,522
5,001-15,000	4	42,108
15,001-100,000	3	107,883
100,001-500,000	7	1,338,124
Over 500,000	4	3,764,101
TOTAL (x)	23	5,313,738

(x) Does not include 6 plants which distributed water gas only, and 1 plant which distributed propane gas only.

Table 3 - PRINCIPAL STATISTICS OF THE COKE AND GAS INDUSTRY, 1940-1944

Year	Number of companies (x)	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
<u>COKE (By-product and Bee-hive)</u>						
1940	13	2,421	3,922,927	2,974,547	18,143,815	36,310,584
1941	13	2,488	4,073,482	3,611,421	20,505,807	39,909,164
1942	13	2,536	4,462,503	3,809,802	23,083,418	43,858,560
1943	14	2,718	5,112,660	4,132,102	27,123,247	48,478,935
1944	14	3,056	6,032,037	5,470,044	32,610,820	56,902,563
<u>GAS (Retort and Water Gas)</u>						
1940	18	1,674	2,546,528	994,587	2,893,414	10,363,276
1941	18	1,802	2,458,621	950,169	3,402,071	10,819,556
1942	18	1,865	2,819,400	1,063,414	4,211,087	11,929,931
1943	19	1,663	2,842,333	940,708	5,141,420	12,421,663
1944	20	1,691	2,908,576	1,008,767	5,198,433	12,673,152
<u>TOTAL - Coke and Gas</u>						
1940	31	4,095	6,376,465	3,968,934	21,037,329	46,673,660
1941	31	4,290	6,532,103	4,561,590	23,907,878	50,818,720
1942	31	4,401	7,281,903	4,873,216	27,294,505	55,788,491
1943	33	4,381	7,955,598	5,078,910	32,434,667	60,900,588
1944	33	4,747	8,940,613	6,478,811	37,809,253	69,575,715

(x) The number shown for by-product and bee-hive ovens includes 5 companies which did not produce coke or gas but which purchased coke-oven gas from the manufacturers and distributed it to customers. Data for employees, capital, 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.

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 4 - PRINCIPAL STATISTICS, BY PROVINCES, 1943 and 1944

Province	Number of companies	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
<u>1943</u>						
Nova Scotia and New Brunswick	3	457	763,428	592,274	3,922,019	6,382,994
Quebec	6	694	1,392,973	1,720,024	6,359,917	13,466,787
Ontario	17	2,613	4,747,433	2,740,891	19,816,608	35,383,368
Manitoba and Alberta	3	210	346,372	94,583	936,437	1,781,054
British Columbia ...	4	407	705,382	371,138	1,399,686	3,886,395
CANADA	33	4,381	7,955,598	5,078,910	32,434,667	60,900,588

Table 4 - PRINCIPAL STATISTICS, BY PROVINCES, 1943 and 1944 (Concluded)

Province	Number of companies	Average number of employees	Salaries and wages	Cost of fuel and electricity at works	Cost of materials at works	Gross selling value of products at works
			\$	\$	\$	\$
<u>1944</u>						
Nova Scotia and New Brunswick	5	471	870,371	779,319	4,760,357	7,752,033
Quebec	6	722	1,526,879	1,967,537	5,882,736	13,837,028
Ontario	17	2,921	5,422,515	3,055,969	24,336,855	42,336,537
Manitoba and Alberta	3	209	366,390	173,431	976,143	1,455,020
British Columbia ...	4	424	753,958	502,454	1,353,037	3,665,037
CANADA	33	4,747	8,940,613	6,478,811	37,809,253	69,575,715

Table 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1943 and 1944

Province	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
						\$	\$	\$
<u>1943</u>								
Nova Scotia and New Brunswick	30	19	394	14	457	81,400	682,038	763,438
Quebec	208	61	425	...	694	629,736	763,237	1,392,973
Ontario	464	256	1,844	49	2,613	1,313,592	3,433,931	4,747,433
Manitoba and Alberta	55	26	129	...	210	122,375	223,937	346,372
British Columbia ...	56	13	338	...	407	143,271	562,111	705,382
CANADA	813	375	3,130	63	4,331	2,290,284	5,665,314	7,955,598
<u>1944</u>								
Nova Scotia and New Brunswick	40	12	400	19	471	84,098	786,773	870,871
Quebec	224	60	438	...	722	639,532	887,237	1,526,879
Ontario	454	271	2,142	54	2,321	1,413,634	4,008,381	5,422,515
Manitoba and Alberta	41	26	142	...	209	98,405	267,985	366,390
British Columbia ...	61	13	350	...	424	156,538	537,420	753,958
CANADA	820	382	3,472	73	4,747	2,392,267	6,548,346	8,940,613

Table 6 - WAGE-EARNERS, BY MONTHS, 1943 and 1944 (Number on pay-roll on the last day of each month)

Month	1943			1944		
	Male	Female	TOTAL	Male	Female	TOTAL
January	3,032	51	3,083	3,459	74	3,533
February	3,020	51	3,071	3,463	75	3,538
March	3,063	51	3,114	3,463	74	3,537
April	3,068	51	3,119	3,449	73	3,522
May	3,077	55	3,132	3,519	72	3,591
June	3,119	61	3,180	3,519	73	3,592
July	3,185	61	3,246	3,455	73	3,528
August	3,213	70	3,283	3,480	72	3,552
September	3,196	71	3,267	3,501	72	3,573
October	3,182	76	3,258	3,487	70	3,557
November	3,222	76	3,298	3,446	69	3,515
December	3,187	80	3,267	3,432	68	3,500
AVERAGE	3,130	63	3,193	3,472	73	3,545

Table 7 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1943 and 1944 (In one week of highest employment; overtime included)

Hours Worked per Week	Number of Wage-earners		Hours Worked per Week	Number of Wage-earners	
	1943	1944		1943	1944
30 hours or less	225	224	55 hours	31	30
31-43 hours	424	423	56-64 hours	526	524
44 hours	379	352	65 hours and over ...	161	64
45-47 hours	183	193	TOTAL	3,551	3,705
48 hours	1,189	1,310	Total wages paid dur-		
49-50 hours	154	187	ing selected week .. \$	120,413	131,003
51-54 hours	279	393			

Table 8 - FUEL AND ELECTRICITY USED, 1943 and 1944

Note: Includes fuel for boilers, benches, retorts, etc., but does not include coal, coke, etc., charged to ovens, retorts or water gas sets.

Kind	Unit of measure	1 9 4 3		1 9 4 4	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Anthracite coal	ton	...	...	238	1,847
Bituminous coal - Canadian	ton	20,799	98,652	21,468	113,944
Imported	ton	17,671	121,444	22,515	171,425
Lignite coal - Canadian	ton	90	306	87	304
Coke	ton	164,476	965,914	263,533	1,820,542
Gasoline	Imp.gal.	111,924	31,710	110,951	30,286
Fuel oil	Imp.gal.	118,539	5,129	72,183	4,737
Wood	cord	1	11	...	...
Gas—Manufactured (all made in users' works)	M cu.ft.	29,059,046	3,440,387	31,188,404	3,968,197
Other fuel .....	...	...	110,320	...	24,279
Electricity purchased	K.W.H.	57,364,219	305,037	64,137,580	343,250
TOTAL .....	...	...	5,078,910	...	6,478,811

Table 9 - POWER EQUIPMENT, 1943 and 1944

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
<u>1 9 4 3</u>				
Steam engines and turbines	184	9,857	104	6,023
Diesel engines	1	26	1	40
Gasoline, gas and oil engines (except diesel) ..	27	1,133	13	361
Hydraulic turbines or water wheels .....	...	...	1	6
Total Primary	212	11,016	119	6,430
Electric motors run by purchased power	974	18,889	167	4,228
TOTAL	1,186	29,905	286	10,658
Electric motors run by primary units shown above	110	3,945	...	...
Stationary boilers	87	19,207	39	14,538
Motor generator sets	1	15	...	...
<u>1 9 4 4</u>				
Steam engines and turbines	183	9,842	105	6,052
Diesel engines	1	26	1	40
Gasoline, gas and oil engines (except diesel) ..	27	1,134	13	362
Hydraulic turbines or water wheels .....	...	...	1	3
Total Primary	211	11,002	120	6,457
Electric motors run by purchased power	981	18,917	170	4,391
TOTAL	1,192	29,919	290	10,848
Electric motors run by primary units shown above	110	3,945	...	...
Stationary power boilers	83	18,717	39	14,538
Motor generator sets	1	15	...	...

Table 10 - MATERIALS USED IN COKE AND GAS PLANTS, 1943 and 1944

Material	Unit of measure	1 9 4 3		1 9 4 4	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal carbonized in ovens or retorts -					
(a) Canadian	ton	1,227,015	5,702,774	1,221,275	6,157,024
(b) Imported	ton	3,548,484	23,201,694	4,090,680	28,300,251
Bituminous coal for making water gas -					
Imported	ton	5,104	47,412	4,756	48,396
Coke for gas-making -					
(a) Purchased	ton	11,322	124,853	9,522	109,068
(b) Companies' own make	ton	169,433	1,466,064	85,726	691,636
Oil used for enriching water gas	Imp.gal.	9,905,667	786,058	10,195,113	810,200
Absorbing and wash oil	Imp.gal.	289,869	39,864	412,864	56,895
Caustic soda	lb.	1,636,645	34,092	2,029,873	41,293
Lime	ton	2,189	23,896	2,078	29,301
Water .....	...	...	34,790	...	43,123
Iron oxide	ton	6,568	45,946	9,194	71,545
Sulphuric acid, 66° Be	lb.	62,203,340	460,311	70,498,674	570,177
All other materials .....	...	...	466,913	...	480,344
TOTAL COST .....	...	...	32,434,667	...	37,809,253

Table 11 - MATERIALS USED IN COKE AND GAS PLANTS, BY AREAS, 1944

Material	Unit of measure	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	826,305	4,723,588	...	...	394,970	1,833,436
(b) Imported	ton	670,851	5,172,923	3,385,366	22,844,042	34,463	283,286
Bituminous coal for making water gas -							
Imported	ton	146	1,489	4,610	46,907	...	...
Coke for gas-making -							
(a) Purchased	ton	1,178	13,676	7,812	90,817	532	4,575
(b) Companies' own make	ton	11,706	118,007	63,460	512,621	10,560	61,008
Oil used for enriching water gas	Imp.gal.	509,576	53,102	8,552,606	663,419	1,132,931	93,679
Absorbing and wash oil	Imp.gal.	164,391	24,534	225,729	30,440	22,744	1,921
Caustic soda	pound	846,018	21,547	1,183,855	19,746	...	...
Lime	ton	1,911	27,811	167	1,490	...	...
Water .....	...	...	9,995	...	15,170	...	17,953
Iron oxide	ton	3,007	17,847	5,369	40,733	818	12,965
Sulphuric acid, 66° Be	pound	27,629,709	196,341	42,863,965	373,836	...	...
All other materials .....	...	...	262,293	...	197,634	...	20,417
TOTAL COST .....	...	...	10,643,153	...	24,836,855	...	2,329,245

Table 12 - PRODUCTS MADE IN COKE AND GAS PLANTS, 1943 and 1944

		1 9 4 3		1 9 4 4	
Product	Unit of measure	Quantity	Gross selling value at works \$	Quantity	Gross selling value at works \$
<u>Gas Made -</u>					
Retort coal gas	M cu.ft.	5,069,024	...	4,778,326	...
Coke oven gas	M cu.ft.	44,137,447	...	51,346,077	...
Producer gas	M cu.ft.	20,354,129	...	17,399,414	...
Water gas	M cu.ft.	5,070,328	...	5,605,752	...
Propane gas	M cu.ft.	100,418	...	68,332	...
TOTAL GAS MADE	M cu.ft.	74,731,346	...	79,229,514	...
<u>Gas Sold or Used -</u>					
Gas sold	M cu.ft.	20,403,544	18,609,364	21,101,351	19,392,362
Gas used in own coke or gas plants ...	M cu.ft.	29,317,493	3,560,416	28,133,317	3,780,315
Gas used in associated metallurgical works	M cu.ft.	23,173,827	1,879,399	26,861,445	2,387,023
Gas otherwise accounted for but not sold	M cu.ft.	272,903	55,864	218,933	54,268
Gas not accounted for	M cu.ft.	1,568,311	877,345	2,740,357	957,303
TOTAL GAS SOLD OR USED	M cu.ft.	74,736,078	24,982,378	79,055,403	26,571,271
<u>Coke Made -</u>					
Coke from by-product or bee-hive ovens	ton	2,986,567	27,906,033	3,437,555	34,295,098
Coke from gas retorts	ton	273,202	2,425,215	270,646	2,429,353
Coke breeze from by-product ovens	ton	257,180	935,387	274,849	975,641
Coke breeze from gas retorts	ton	34,824	73,343	34,646	80,066
TOTAL COKE	ton	3,551,773	31,339,978	4,017,536	37,780,158
<u>Other Products -</u>					
Tar	Imp.gal.	35,534,397	2,126,163	37,907,935	2,291,504
Ammonia liquor	lb. NH ₃	1,701,108	17,155	1,569,615	16,461
Ammonium sulphate	pound	65,814,980	962,704	82,051,650	1,201,052
Benzol	Imp.gal.	5,823,478	818,656	7,246,900	1,000,170
Toluol, xylol and naphthalene	Imp.gal.	1,741,321	610,452	2,009,792	681,971
All other products .....	...	...	43,112	...	43,128
GRAND TOTAL .....	...	...	60,900,598	...	69,575,715

Table 13 - PRODUCTS MADE IN COKE AND GAS PLANTS, BY AREAS, 1944

		Eastern Provinces		Ontario		Western Provinces	
Product	Unit of measure	Quantity	Gross selling value at works \$	Quantity	Gross selling value at works \$	Quantity	Gross selling value at works \$
<u>Gas Made -</u>							
Retort coal gas	M cu.ft.	583,608	...	3,955,497	...	239,221	...
Coke oven gas	M cu.ft.	16,026,742	...	32,076,610	...	3,242,725	...
Producer gas	M cu.ft.	17,248,536	...	140,878	...	...	...
Water gas	M cu.ft.	266,418	...	4,798,189	...	541,145	...
Propane gas	M cu.ft.	...	...	68,332	...	...	...
Butane gas	M cu.ft.	40,613	...	...	...	...	...
Total Gas Made	M cu.ft.	34,165,917	...	41,039,506	...	4,023,091	...
<u>Gas Sold or Used -</u>							
Gas sold	M cu.ft.	6,652,643	7,064,671	11,409,354	9,353,266	3,039,354	2,974,425
Gas used in own plants.	M cu.ft.	13,096,865	1,763,353	14,374,749	1,923,662	661,703	93,300
Gas used in associated metallurgical works ..	M cu.ft.	13,872,529	845,486	12,842,516	1,534,217	146,400	7,320
Gas otherwise accounted for but not sold	M cu.ft.	203	126	218,630	53,692	50	450
Gas not accounted for..	M cu.ft.	547,875	228,978	2,016,525	646,151	175,957	82,174
Total Gas							
Sold or Used	M cu.ft.	34,170,115	9,902,614	40,861,824	13,510,988	4,023,464	3,157,669

Table 13 - PRODUCTS MADE IN COKE AND GAS PLANTS, BY AREAS, 1944 - (Concluded)

Product	Unit of measure	Eastern Provinces		Ontario		Western Provinces	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works	Quantity	Gross selling value at works
			\$		\$		\$
<u>Coke Made -</u>							
Coke from by-product or bee-hive ovens	ton	938,436	8,708,178	2,238,394	23,403,155	260,725	2,183,765
Coke from gas retorts..	ton	79,598	888,046	181,645	1,480,666	9,403	60,641
Coke breeze from by-product ovens	ton	72,524	345,871	175,548	549,118	26,777	80,652
Coke breeze from gas retorts	ton	3,381	19,872	30,599	56,234	666	3,960
Total Coke Made	ton	1,093,939	9,961,967	2,626,186	25,489,173	297,571	2,329,018
<u>Other Products -</u>							
Tar	Imp. gal.	11,625,952	601,062	24,600,068	1,586,883	1,521,915	93,559
Other products .....	...	...	1,123,418	...	1,799,553	...	19,811
GRAND TOTAL .....	...	...	21,589,061	...	42,386,597	...	5,600,057

Table 14 - PRODUCTION OF BEE-HIVE, BY-PRODUCT AND GAS RETORT COKE, 1934-1944 (Short tons)

Year	By-product and bee-hive coke		Gas retort coke		T O T A L	
	Quantity	Selling value at works	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$		\$
1934	1,848,294	13,481,930	295,126	2,379,827	2,243,420	15,861,757
1935	1,962,844	13,121,614	294,760	2,739,545	2,257,604	15,861,159
1936	2,147,810	14,343,959	256,983	2,366,049	2,404,793	16,710,008
1937	2,334,556	16,283,370	235,829	2,182,698	2,750,385	18,466,068
1938	2,120,588	14,599,384	231,415	2,295,683	2,352,003	16,895,067
1939	2,147,210	14,517,186	262,885	2,246,331	2,410,095	16,763,517
1940	2,725,873	19,574,651	289,521	2,363,210	3,015,394	21,937,861
1941	2,847,624	22,484,595	298,091	2,403,428	3,145,715	24,888,023
1942	2,966,983	25,004,065	298,566	2,707,608	3,265,549	27,711,673
1943	3,243,747	28,841,420	308,026	2,498,558	3,551,773	31,339,978
1944	3,712,404	35,270,739	305,292	2,509,419	4,017,696	37,780,158

Table 15 - PRODUCTION OF BEE-HIVE, BY PRODUCT AND GAS RETORT COKE, BY PROVINCES, 1934-1944 (Short tons)

Year	Nova Scotia, New Brunswick and Quebec		Ontario		Manitoba, Alberta and British Columbia		C A N A D A	
	Quantity	Selling value at works	Quantity	Selling value at works	Quantity	Selling value at works	Quantity	Selling value at works
		\$		\$		\$		\$
1934 ...	654,305	4,369,150	1,338,709	10,200,363	200,406	1,292,244	2,243,420	15,861,757
1935 ...	730,463	4,739,191	1,334,081	9,868,953	193,054	1,254,015	2,257,604	15,861,159
1936 ...	775,275	4,655,468	1,441,833	10,807,611	187,690	1,246,329	2,404,793	16,710,008
1937 ...	853,122	5,549,042	1,504,334	11,522,965	212,929	1,395,061	2,570,385	18,466,068
1938 ...	754,975	5,040,400	1,365,571	10,339,065	231,457	1,515,602	2,352,003	16,895,067
1939 ...	802,072	5,533,317	1,379,342	9,712,164	228,081	1,468,036	2,410,095	16,763,517
1940 ...	1,040,999	7,532,337	1,732,303	12,342,139	242,032	1,413,386	3,015,394	21,937,861
1941 ...	1,029,028	8,038,506	1,832,109	14,985,196	284,578	1,864,321	3,145,715	24,888,023
1942 ...	1,127,797	9,258,034	1,833,593	16,323,365	298,153	2,125,274	3,265,549	27,711,673
1943 ...	1,069,679	9,038,173	2,178,743	20,044,820	304,351	2,256,935	3,551,773	31,339,978
1944 ...	1,093,939	9,961,967	2,626,186	25,489,173	297,571	2,329,018	4,017,696	37,780,158

Table 16 - BEE-HIVE, BY-PRODUCT AND GAS RETORT COKE SOLD AND USED BY PRODUCERS DURING 1943 and 1944 and STOCKS ON HAND AT END OF YEAR

	Own Make		Purchased	
	Coke	Breeze	Coke	Breeze
	(Short tons)			
<u>1 9 4 3</u>				
Coke actually used by reporting companies -				
In coke or gas plant	254,454	59,659	9,449	14,910
In iron blast furnaces	1,335,958	...	202,285	...
In other associated works	95,836	72,431	...	...
Coke sold -				
(a) Direct to consumers:				
For domestic use	123,013	22,260	564	7,512
For other uses	578,826	69,150	10,000	3,003
(b) To dealers for resale	715,675	6,756	49,632	...
(c) For export	29,842	15,112	...	...
TOTAL SOLD OR USED	3,133,614	245,368	271,930	25,425
<u>1 9 4 4</u>				
Coke actually used by reporting companies -				
In coke or gas plant (for fuel, water				
gas and producer gas)	264,944	66,716	9,603	9,814
In iron blast furnaces	1,382,756	...	175,522	...
In other associated works	90,343	83,925	...	...
Coke sold -				
(a) Direct to consumers:				
For domestic use	118,963	19,694	53,953	10,952
For other uses	545,418	53,998	67,565	2,183
(b) To dealers for resale	1,044,363	15,059	3,622	315
(c) For export	36,852	3,130	...	...
TOTAL SOLD OR USED	3,483,639	242,522	310,265	23,264
Stocks of coke on hand at the end of 1944..	117,763	176,385	3,007	13

NOTE: The above figures on consumption and sales by the producers include 168,000 tons of imported coke in 1942; 116,000 tons in 1943; and 99,000 tons in 1944. Duplication because of interplant sales has been eliminated in each year.

Table 17 - COAL CARBONIZED, COKE PRODUCED, AND DISTRIBUTION OF COKE BY MANUFACTURERS, 1944

	Bee-hive and by-product plants tons	Gas retort plants tons	Total for coke producing plants tons
Coal carbonized -			
Canadian	1,165,464	55,811	1,221,275
Imported	3,682,097	413,339	4,095,436
TOTAL	4,847,561	469,150	5,316,711
Coke made -			
Coke	3,437,555	270,646	3,708,201
Breeze	274,849	34,646	309,495
TOTAL	3,712,404	305,292	4,017,696
Coke yield	76.5	65.0	75.6

Table 17 - COAL CARBONIZED, COKE PRODUCED, AND DISTRIBUTION OF COKE BY MANUFACTURERS, 1944 - (Concluded)

	Bee-hive and by-product plants tons	Gas retort plants tons	Total for coke producing plants tons
Coke used in coke or gas plants -			
Coke	112,064	162,483	274,547
Breeze	50,929	25,601	76,530
TOTAL	162,993	188,084	351,077
Coke used in associated works -			
Coke	1,599,630	58,991	1,649,621
Breeze	83,913	12	83,925
TOTAL	1,673,543	59,003	1,732,546
Coke sold direct to consumers for domestic use -			
Coke	142,714	30,202	172,916
Breeze	21,927	8,719	30,646
TOTAL	164,641	38,921	203,562
Coke sold direct to consumers for other uses -			
Coke	612,884	99	612,983
Breeze	55,459	722	56,181
TOTAL	668,343	821	669,164
Coke sold to dealers for resale -			
Coke	1,018,382	29,603	1,047,985
Breeze	15,374	...	15,374
TOTAL	1,033,756	29,603	1,063,359
Coke sold for export	39,982	...	39,982
TOTAL COKE SOLD AND USED: Coke	3,512,526	281,378	3,793,904
Breeze	230,732	35,054	265,786
TOTAL	3,743,258	316,432	4,059,690
Stocks on December 31, 1944: Coke	88,885	31,385	120,770
Breeze	175,763	635	176,398
TOTAL	264,648	32,520	297,168

NOTE: The above figures on consumption and sales include 99,000 tons of imported coke.

Table 18 - PRODUCTION OF BEE-HIVE, BY PRODUCT AND GAS RETORT COKE, BY MONTHS, 1940-1944 (In 000's of short tons)

Month	1940	1941	1942	1943	1944
January	257	268	278	232	345
February	225	240	253	250	331
March	239	266	287	276	356
April	237	253	270	268	338
May	252	260	277	278	343
June	249	248	270	266	328
July	259	259	275	308	322
August	257	266	274	314	328
September	252	263	269	326	320
October	263	276	278	349	331
November	258	270	269	339	329
December	267	277	265	345	347
TOTAL	3,015	3,146	3,265	3,551	4,018
Monthly Average	251	262	272	296	335

Table 19 - BITUMINOUS COAL CHARGED TO COKE OVENS AND GAS RETORTS, 1934-1944

Year	Bee-hive and by-product ovens		Gas retorts		T O T A L
	Canadian	Imported	Canadian	Imported(x)	
	(tons)				
1934	803,321	1,936,668	40,982	435,133	3,116,104
1935	943,240	1,734,650	45,914	412,539	3,136,343
1936	1,008,841	1,951,515	48,258	343,884	3,358,498
1937	1,106,706	2,106,960	48,109	318,175	3,579,950
1938	960,492	1,917,995	48,403	301,124	3,228,014
1939	1,020,585	1,971,975	56,393	325,255	3,274,208
1940	1,336,172	2,357,492	82,499	344,786	4,120,949
1941	1,352,112	2,506,770	82,103	380,859	4,321,844
1942	1,333,171	2,624,343	104,323	359,554	4,471,891
1943	1,173,469	3,109,602	53,546	443,986	4,780,603
1944	1,165,464	3,682,097	55,811	413,339	5,316,711

(x) Includes 3,261 tons used in making water gas in 1935; 3,159 tons in 1936; 2,392 tons in 1937; 3,650 tons in 1938; 2,882 tons in 1939; 2,699 tons in 1940; 3,522 tons in 1941; 4,030 tons in 1942; 5,104 in 1943, and 4,756 in 1944.

Table 20 - BITUMINOUS COAL CHARGED TO COKE OVENS AND GAS RETORTS, BY PROVINCES, 1934-1944

Year	Nova Scotia, New Brunswick and Quebec		Ontario		Manitoba, Alberta and British Columbia		T O T A L
	Canadian	Imported	Canadian	Imported(x)	Canadian	Imported	
	(Tons)						
1934	556,628	353,210	700	1,911,920	286,975	671	3,116,104
1935	708,973	326,342	600	1,820,847	279,681	...	3,136,343
1936	765,743	328,216	15,684	1,973,183	275,672	...	3,358,498
1937	853,949	338,861	6,028	2,060,077	294,838	26,197	3,579,950
1938	673,625	345,519	3,200	1,858,798	335,270	11,802	3,228,014
1939	733,972	352,236	9,260	1,845,570	333,746	1,424	3,274,208
1940	1,071,156	355,024	...	2,344,726	347,515	2,528	4,120,949
1941	1,020,956	397,814	...	2,489,684	413,259	131	4,321,844
1942	1,051,829	502,626	...	2,481,271	436,166	...	4,471,891
1943	798,324	702,291	...	2,851,297	428,191	...	4,780,603
1944	826,305	670,997	...	3,389,976	394,970	34,463	5,316,711

(x) See footnote to Table 19.

Table 21 - PRODUCTION OF PETROLEUM COKE, 1934-1944

Year	Made for Own Use		Made for Sale		T O T A L	
	Tons	Selling value at works \$	Tons	Selling value at works \$	Tons	Selling value at works \$
1934	9,293	57,961	52,467	200,512	61,760	258,473
1935	8,348	21,256	63,843	372,723	72,191	393,979
1936	2,629	11,687	62,077	381,473	64,706	393,160
1937	2,381	8,942	59,634	371,198	62,015	380,140
1938	634	1,547	63,375	388,753	64,009	390,300
1939	4,238	18,253	62,094	370,936	66,332	389,189
1940	4,876	25,328	63,458	416,262	68,334	441,590
1941	3,138	21,774	67,702	471,564	70,840	493,338
1942	8,950	63,411	64,461	464,326	73,411	527,737
1943	7,141	49,310	74,634	535,853	81,775	585,163
1944	1,651	10,997	71,158	507,166	72,809	518,163

NOTE: Petroleum coke is not included in coke production figures given for the coke and gas industry.

Table 22 - TOTAL PRODUCTION OF COKE (including Petroleum and Pitch Coke) IN CANADA, 1941-1944

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan, Alberta and British Columbia	CANADA
<u>1941</u>						
Coke and gas industry	Tons	567,535	461,493	1,832,109	284,578	3,145,715
	\$	3,970,872	4,067,634	14,985,196	1,864,321	24,888,023
Petroleum refining industry	Tons	467	3,673	65,208	1,492	70,840
	\$	1,283	17,385	464,682	9,988	493,338
Pitch coke	Tons	8,829	1,192	8,798	570	19,389
	\$	59,475	11,290	64,053	7,284	142,102
TOTAL	Tons	576,831	466,358	1,906,115	286,640	3,235,944
	\$	4,031,630	4,096,309	15,513,931	1,881,593	25,523,463
<u>1942</u>						
Coke and gas industry	Tons	639,698	488,099	1,833,593	298,159	3,265,549
	\$	4,542,247	4,715,787	16,328,365	2,125,274	27,711,673
Petroleum refining industry	Tons	195	...	71,486	1,730	73,411
	\$	491	...	517,386	9,860	527,737
Pitch coke	Tons	5,975	807	9,548	904	17,234
	\$	44,427	5,878	80,117	6,787	137,189
TOTAL	Tons	645,868	488,906	1,920,627	300,793	3,356,194
	\$	4,587,165	4,721,665	16,925,868	2,141,901	28,376,599
<u>1943</u>						
Coke and gas industry	Tons	557,696	510,983	2,178,743	304,351	3,551,773
	\$	3,971,707	5,066,466	20,044,820	2,256,985	31,339,078
Petroleum refining industry	Tons	273	1,122	78,897	1,483	81,775
	\$	696	8,938	567,100	8,429	585,163
Pitch coke	Tons	5,054	638	11,781	522	17,995
	\$	46,689	6,076	88,497	6,673	147,935
TOTAL	Tons	563,023	512,743	2,269,421	306,356	3,651,543
	\$	4,019,092	5,081,480	20,700,417	2,272,087	32,073,076
<u>1944</u>						
Coke and gas industry	Tons	588,338	505,601	2,626,186	297,571	4,017,696
	\$	4,946,366	5,015,601	25,489,173	2,329,018	37,780,158
Petroleum refining industry	Tons	300	3,327	67,364	1,808	72,809
	\$	841	20,021	484,756	12,545	518,163
Pitch coke	Tons	3,856	987	8,311	635	13,789
	\$	31,658	9,333	60,925	6,403	108,319
TOTAL	Tons	592,494	509,925	2,701,861	300,014	4,104,294
	\$	4,976,865	5,044,955	26,034,854	2,347,966	38,406,640

Table 23 - APPARENT CONSUMPTION OF COKE (including Petroleum and Pitch Coke) IN CANADA, BY PROVINCES, 1939-1944

	P.E.I., N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and Br. Columbia	CANADA
			(Tons)		
Apperent consumption - 1939	398,790	500,502	2,011,859	207,231	3,118,382
1940	584,966	608,280	2,455,112	236,186	3,884,544
1941	597,817	612,146	2,609,137	272,927	4,092,027
1942	641,878	699,083	2,734,286	292,561	4,367,808
<u>1943</u>					
Production	563,023	512,743	2,269,421	306,356	3,651,543
Add decline or deduct increase in producers' stocks	+1,760	+1,858	-28,820	-2,512	-27,714
	564,783	514,601	2,240,601	303,844	3,623,829
Add - Imports entered for consumption	72	308,121	909,228	38,364	1,255,785
	564,855	822,722	3,149,829	342,208	4,879,614
Deduct - Exports and re-exports	5,837	1,300	53,137	44,653	104,927
APPARENT CONSUMPTION	559,018	821,422	3,096,692	297,555	4,774,687

Table 23 - APPARENT CONSUMPTION OF COKE (including Petroleum and Pitch Coke) IN CANADA, BY PROVINCES, 1939-1944 - (Concluded)

	P.E.I., N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and Br. Columbia	CANADA
<u>1 9 4 4</u>					
Production	592,494	509,925	2,701,861	300,014	4,104,294
Add decline or deduct increase in producers' stocks	-14,039	-15,622	-38,220	-14,123	-82,004
	578,455	494,303	2,663,641	285,891	4,022,290
Add - Imports entered for consumption	148	231,767	779,080	24,327	1,035,322
	578,603	726,070	3,442,721	310,218	5,057,612
Deduct - Exports and re-exports	5,107	1,933	25,285	39,314	69,687
APPARENT CONSUMPTION	573,496	724,087	3,419,438	270,904	4,987,925

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

Table 24 - QUANTITY OF COKE IN THE HANDS OF THE PRODUCERS AT THE END OF 1943 and 1944

Province	<u>1 9 4 3</u>			<u>1 9 4 4</u>			Difference 1944 from 1943
	Petroleum refineries	Coke and gas plants	TOTAL	Petroleum refineries	Coke and gas plants	TOTAL	
	(Tons)						
Nova Scotia ....	...	9,645	9,645	...	23,677	23,677	+ 14,032
New Brunswick ..	...	...	...	...	7	7	+ 7
Quebec	719	15,978	16,697	2,510	29,809	32,319	+ 15,622
Ontario	3,350	174,182	177,532	1,616	214,136	215,752	+ 38,220
Manitoba .....	...	3,041	3,041	...	4,106	4,106	+ 1,065
Saskatchewan ...	80	...	80	1,414	...	1,414	+ 1,334
Alberta .....	...	...	...	2,235	...	2,235	+ 2,235
British Columbia	...	15,944	15,944	...	25,433	25,433	+ 9,489
TOTAL	4,149	218,790	222,939	7,775	297,168	304,943	+ 82,004

NOTE: No data for producers' stocks of pitch coke.

Table 25 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL AREAS, 1940-1943

	P.E.I., N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and Br. Columbia	CANADA
	(Tons)				
<u>1 9 4 0</u>					
Furnace charges	471,938	32,710	1,151,805	89,852	1,746,305
Manufacturing material	120	156,101	157,087	58,810	372,118
Industrial fuel	34,302	52,108	249,941	21,899	358,250
Available for other uses (mostly domestic)	78,606	367,361	896,279	65,625	1,407,871
APPARENT CONSUMPTION	584,966	608,280	2,455,112	236,186	3,884,544
<u>1 9 4 1</u>					
Furnace charges	450,126	44,190	1,358,509	91,326	1,944,151
Manufacturing material .....	...	249,793	192,177	67,905	509,875
Industrial fuel	29,097	48,928	252,272	15,469	345,766
Available for other uses (mostly domestic)	118,594	269,235	806,179	98,227	1,292,235
APPARENT CONSUMPTION	597,817	612,146	2,609,137	272,927	4,092,027
<u>1 9 4 2</u>					
Furnace charges	510,725	49,312	1,763,242	93,722	2,417,001
Manufacturing material .....	...	298,191	273,354	62,695	634,240
Industrial fuel	36,441	53,980	285,675	21,736	397,832
Available for other uses (mostly domestic)	94,712	297,600	412,015	114,408	918,735
APPARENT CONSUMPTION	641,878	699,083	2,734,286	292,561	4,367,808

Table 25 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL AREAS, 1940-1943 - (Concluded)

	P.E.I., N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and Br. Columbia	CANADA
	(Tons)				
	1	9	4	3	
Furnace charges	395,883	47,895	1,710,724	90,560	2,245,062
Manufacturing material .....	...	423,107	328,128	70,404	821,639
Industrial fuel	35,878	60,443	284,987	21,974	403,282
Available for other uses (mostly domestic)	126,225	286,984	705,147	114,528	1,232,854
APPARENT CONSUMPTION	557,986	818,429	3,028,986	297,466	4,702,857

- NOTES: 1. Figures showing the tonnage of coke available for domestic or other uses are obtained by difference and include the coke used for purposes other than specified in these tables.
2. No allowance has been made for changes during the year in stocks of coke held by dealers or users.
3. No allowance has been made for interprovincial shipment of coke.
4. Consumption figures for 1944 are not yet available.

Table 26 - SALES(1) OF PETROLEUM COKE IN CANADA FOR FUEL PURPOSES, 1940-1944 (From "Petroleum Fuels in Canada" issued by the Bureau of Mines, Ottawa)

Areas and Year	Fuel for domestic and industrial heating (2)	Inventory on December 31, including stocks at refineries
	Tons	Tons
1940	44,392	183,579
1941	39,150	3,985
1942	29,480	1,986
1943	18,868	6,466
1944 - Maritimes	300	...
Quebec	669	223
Ontario	23,923	6,127
Western provinces	724	230
CANADIAN	25,616	6,580
IMPORTED .....	...	...
TOTAL FOR 1944	25,616	6,530

(1) As reported by coal dealers, distributors and importers.

(2) Consisting mostly of amounts used as fuel by refineries.

Table 27 - PRODUCTION AND SALES OF MANUFACTURED GAS BY THE COKE AND GAS INDUSTRY, 1934-1944

Year	From by-product and gas plants			Production of still gas from petroleum refineries
	Production (x) M cu. ft.	S A L E S		
		Quantity M cu.ft.	Income from sales \$	
1934	40,125,201	15,409,927	15,766,750	3,772,746
1935	32,721,010	15,393,952	15,353,572	5,154,895
1936	44,345,353	15,321,832	15,163,664	6,083,549
1937	46,009,633	15,239,859	14,732,531	6,199,110
1938	42,932,721	15,193,068	15,001,142	6,486,618
1939	41,632,773	14,936,102	14,532,246	7,802,666
1940	55,112,521	15,392,723	14,803,049	8,706,834
1941	57,723,803	16,931,434	15,888,723	9,971,268
1942	68,839,292	18,913,230	17,316,135	7,643,715
1943	74,731,346	20,403,544	18,609,364	10,036,340
1944	82,337,655	21,101,351	19,392,362	10,601,455

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

Table 28 - SALES OF MANUFACTURED AND NATURAL GAS IN CANADA, 1943 and 1944

	1 9 4 3			1 9 4 4		
	Number of	Quantity	Revenue from	Number of	Quantity	Revenue from
	customers	sold	sales	customers	sold	sales
		M cu.ft.	\$		M cu.ft.	\$
MANUFACTURED GAS -						
Domestic	473,992	10,711,654	12,297,425	488,653	12,098,351	13,334,020
House heating ...	5,289	1,267,416	695,936	5,964	1,333,339	731,368
Industrial	3,133	5,543,653	3,091,942	3,256	5,786,717	4,435,914
Commercial	26,789	3,492,052	3,106,550	29,056	3,671,522	3,253,155
Miscellaneous ...	115	69,471	65,929	116	47,350	46,562
TOTAL	509,323	21,084,246	19,257,782	526,925	22,937,279	21,801,519
NATURAL GAS -						
Domestic	182,650	14,480,386	7,048,029	186,269	14,565,801	7,081,369
Industrial	1,130	7,539,289	1,970,650	1,122	6,144,211	1,851,076
Commercial	10,684	7,035,941	1,892,627	10,932	7,410,938	1,998,976
Miscellaneous ...	509	564,635	41,297	506	1,062,106	47,864
TOTAL	194,973	29,670,251	10,952,603	198,829	29,183,056	10,869,235
TOTAL - ALL GAS ..	704,296	50,754,497	30,210,385	725,754	52,120,335	31,670,804

NOTE: The sales figures for manufactured gas as recorded in this table are higher than those given in Table 27 because of some petroleum refinery gas treated and distributed by the natural gas companies.

Table 29 - PRODUCTION OF CRUDE COAL TAR, BY PROVINCES, 1942-1944

Province	1 9 4 2	1 9 4 3	1 9 4 4
	(Imperial gallons)		
Nova Scotia and New Brunswick	8,784,535	8,164,375	7,977,607
Quebec	3,846,125	3,620,295	3,648,345
Ontario	19,713,889	21,689,211	24,760,068
Manitoba	492,323	459,792	497,186
British Columbia	1,450,041	1,600,724	1,024,729
CANADA	34,286,913	35,534,397	37,907,935

Table 30 - PRODUCTION, IMPORTS AND EXPORTS OF AMMONIUM SULPHATE, 1934-1944

Year	Production (x)		Imports		Exports	
	Tons	\$	Tons	\$	Tons	\$
1934	76,292	1,398,251	11,046	245,372	57,704	1,144,164
1935	67,362	1,473,675	4,280	94,222	45,055	977,552
1936	98,483	1,883,088	5,729	143,956	83,835	1,802,818
1937	87,621	1,782,364	3,230	82,440	56,485	1,212,258
1938	119,520	2,590,994	5,911	156,540	77,191	1,697,204
1939	129,865	3,107,977	3,217	94,854	109,260	2,508,364
1940	115,679	3,217,268	355	13,506	72,485	2,172,049
1941	98,662	3,156,880	57	4,951	59,490	2,147,613
1942	116,796	3,776,372	5,044	185,608	79,236	2,908,266
1943	196,404	6,176,623	39	2,653	141,080	4,794,695
1944	209,578	6,387,397	105	13,117	167,497	5,505,115

(x) Includes output of synthetic ammonium sulphate in the Fertilizer Industry.

DIRECTORY OF FIRMS IN THE COKE AND GAS INDUSTRY, 1944

<u>Names of Firms and Location of Plants</u>	<u>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)</u>
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1. COKE PLANTSBy-Product Ovens

Dominion Steel and Coal Corp. Ltd., Sydney, N.S.	<u>In Use</u> - 130 Koppers horizontal ovens (813,000 tons)
Montreal Coke & Manufacturing Co., (Montreal Light, Heat & Power Consolidated) (b) 435 St. Patrick St., Ville La Salle, Que.	<u>In Use</u> - 59 Koppers Becker type horizontal ovens (560,275 tons); 4 Koppers Kerpely Ring type producers (12,702,000 M cu.ft.) <u>In Reserve or Idle</u> - 5 Water Gas sets (8,000,000 M cu.ft.)
Algoma Steel Corporation Ltd. (Great Northern Gas Co. Ltd.) (b) Sault Ste. Marie, Ont.	<u>In Use</u> - 103 Wilputte ovens (660,000 tons) and 141 Koppers ovens (1,121,500 tons)
Hamilton By-Product Coke Ovens, Ltd. (United Gas & Fuel Co. Ltd.) (b) Hamilton, Ont.	<u>In Use</u> - 25 Semet-Solvay ovens (175,000 tons), and 35 Wilputte ovens (240,000 tons); 1 Carbureted Water Gas Set (1,095,000 M cu.ft.); 2 Propane Vaporizers (600,000 M cu.ft.)
Ontario Coke Ovens Division, Hamilton By-Product Coke Ovens Ltd., Hamilton, Ont.	<u>In Use</u> - 54 Curran-Knowles Sole Flue Type (328,500 tons) <u>In Reserve or Idle</u> - 4 Galusha Cleveland Ohio Producers (3,504 M cu.ft.)
Public Utilities Commission, Owen Sound, Ont.	<u>In Use</u> - 3 Curran-Knowles ovens (12,775 tons)
Steel Company of Canada, Limited, Hamilton, Ont.	<u>In Use</u> - 80 Wilputte ovens (641,232 tons)
Winnipeg Electric Company (b) Elec. Railway Chambers, Sutherland Ave. and Gladstone St., Winnipeg, Man.	<u>In Use</u> - 17 Koppers Becker type horizontal ovens (84,500 tons) <u>In Reserve or Idle</u> - 1 Western Gas water gas set (1,460,000 M cu.ft.)
B.C. Electric Power & Gas Co. Ltd. (a)(b) Keefer St., and Carrall St., Vancouver, B.C.	<u>In Use</u> - 45 intermittent Chamber ovens (131,604 tons); 3 internal and 3 external mechanical producers for chamber oven plants; 40 continuous vertical retorts (766,500 M cu.ft.); 2 water gas generators (1,095,000 M cu.ft.)

Beehive Ovens

International Coal & Coke Co. Ltd., Coleman, Alta.	<u>In Use</u> - 104 beehive ovens (109,500 tons)
Crow's Nest Pass Coal Co. Ltd., Michel, B.C.	<u>In Use</u> - 230 beehive ovens (128,000 tons); 20 by-product ovens (80,000 tons) <u>In Reserve or Idle</u> - 608 beehive ovens (340,000 tons)

NOTE: Names of gas distributing companies in brackets.

(a) Indicates carbureted water gas was distributed.

(b) Indicates coke oven gas was distributed for domestic and commercial use.

DIRECTORY OF FIRMS IN THE COKE AND GAS INDUSTRY, 1944 - (Continued)

<u>Names of Firms and Location of Plants</u>	<u>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)</u>
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2. ILLUMINATING AND FUEL GAS PLANTSRetort Coal Gas and Carbureted Water Gas

Nova Scotia Light & Power Company Limited (b) Halifax, N.S.	<u>In Use</u> - 12 Glover-West continuous vertical retorts (18,000 tons)
New Brunswick Power Company (b) Saint John, N.B.	<u>In Use</u> - 12 Russell horizontal retorts (3,786 tons) <u>In Reserve or Idle</u> - 6 Russell horizontal retorts (1,550 tons)
Shawinigan Chemicals Ltd., Shawinigan Falls, Que.	11 chemical type coking stokers of own design (330,000 tons)
City of Sherbrooke Gas and Electricity Dept. (a) Sherbrooke, Que.	<u>In Use</u> - 1 Western Gas water gas set (146,000 M cu.ft.)
Quebec Power Company (Gas Division) (b) Quebec, Que.	<u>In Use</u> - 12 Woodall-Duckham vertical continuous retorts (25,300 tons); 1 U.Y.I. (1,000 M cu.ft.) <u>In Reserve or Idle</u> - 1 Western Gas water gas set (1,250 M cu.ft.); 1 U.Y.I. water gas set (1,000 M cu.ft.)
Board of Light & Heat Commission (b) Guelph, Ont.	<u>In Use</u> - 6 Glover-West vertical continuous retorts (10,000 tons); 1 Shell Lowe carbureted water gas set (350 M cu.ft.) <u>In Reserve or Idle</u> - 2 Glover-West vertical ovens (3,500 tons)
Brockville Public Utilities Commission (a) Brockville, Ont.	<u>In Use</u> - 2 Water Gas sets (500,000 M cu.ft.)
Consumers Gas Company of Toronto (a)(b) 19 Toronto St., Toronto, Ont.	<u>In Use</u> - 104 Glover-West vertical retorts (190,000 tons) 220 Drakes Ltd. horizontal retorts (112,420 tons); 8 Lowe Principal water gas sets.
Belleville Public Utilities Commission (b) Belleville, Ont.	<u>In Use</u> - 4 Glover-West continuous vertical retorts (5,475 tons)
Ontario Shore Gas Co. Ltd. (a), Oshawa, Ont.	<u>In Use</u> - 1 water gas set <u>In Reserve or Idle</u> - 1 water gas set.
Peterborough Utilities Commission (a) Peterborough, Ont.	<u>In Use</u> - 1 Merrifield Pearson water gas set (90,000 M cu.ft.) <u>In Reserve or Idle</u> - 1 Merrifield Pearson water gas set (70,000 M cu.ft.)
Public Utilities Commission (a), Kingston, Ont.	<u>In Use</u> - 1 Merrifield-Westcott water gas set (300,000 M cu.ft.) <u>In Reserve or Idle</u> - 1 Merrifield-Westcott water gas set (150,000 M cu.ft.)
Public Utilities Commission (a)(b) Kitchener, Ont.	<u>In Use</u> - 3 horizontal retorts (3,900 tons); 1 water gas set (219,000 M cu.ft.) <u>In Reserve or Idle</u> - 2 horizontal retorts (2,600 tons); 1 water gas set (219,000 M cu.ft.)
Ottawa Light, Heat & Power Co. Ltd. (a) 56 Sparks St., Ottawa, Ont.	<u>In Use</u> - 1 carbureted blue gas set (547,500 M cu.ft.) <u>In Reserve or Idle</u> - 1 carbureted blue gas set (547,000 M cu.ft.)

DIRECTORY OF FIRMS IN THE COKE AND GAS INDUSTRY, 1944 - (Concluded)

<u>Names of Firms and Location of Plants</u>	<u>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)</u>
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2. ILLUMINATING AND FUEL GAS PLANTS
(Concluded)

Retort Coal Gas and Carbureted Water Gas

Public Utility Commission (b), Stratford, Ont.	<u>In Use</u> - 12 horizontal retorts (5,000 tons) <u>In Reserve or Idle</u> - 6 horizontal retorts (2,500 tons)
Manitoba Power Commission (b), Brandon, Man.	<u>In Use</u> - 12 Russell Mfg. Co. retorts and 12 Kerr-Murray retorts (27,740 M cu.ft.)
Victoria Gas Company, Ltd. (a)(b), Victoria, B.C.	<u>In Use</u> - 16 Glover-West vertical retorts (16,352 tons); 1 Humphrey & Glasgow water gas set (500 M cu.ft.); 1 water gas set (500 M cu.ft.)
Corporation City of Nelson (b), Nelson, B.C.	<u>In Use</u> - 8 horizontal retorts (1,500 tons).

Propane Gas

City Gas and Electric Corporation, Ltd., Three Rivers, Que.

(a) Indicates that carbureted water gas was distributed.

(b) Indicates that retort coal gas was distributed to customers.

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