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THE COKE AND GAS INDUSTRY

IN

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THE COKE AND GAS INDUSTRY, 1945

Production from coke plants and from illuminating and fuel gas plants in Canada during 1945 was valued at \$68,483,305, a decline of 1.6 per cent from the \$69,575,715 of the previous year. Output included 3,912,320 tons of coke valued at \$37,671,991 at the works, 70,021,849 M cubic feet of gas, of which 70,268,116 M cubic feet valued at \$25,841,609 were sold or used, and by-products valued at \$4,969,705.

Thirty coke and gas works operated in 1945, including 11 by-product and bee-hive plants, 18 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 3,912,320 tons in 1945 compared with 4,017,696 tons in 1944 and 3,551,773 tons in 1943. By-product and bee-hive ovens produced 3,604,611 tons of coke in 1945 and gas retorts made 307,709 tons. In addition, 66,819 tons of petroleum coke were recovered in petroleum refineries and 17,795 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 171,663 tons were sold direct to domestic consumers; 1,693,048 tons were used in associated works operated by the producing companies; 377,527 tons were used by coke plants as fuel or to make water gas; 558,593 tons were sold direct to consumers for foundry and other uses (other than domestic); 1,178,601 tons were sold to dealers for resale, and 32,724 tons were sold for export. The total distribution was 4,021,364 tons, including imports by the producers of 59,000 tons. Total stocks of coke in the hands of producers amounted to 236,810 tons at the end of 1945.

Imports into Canada of coke made from coal increased to 1,244,398 tons in 1945 from 813,352 tons in 1944, and exports decreased to 38,665 tons from 42,588 tons. Imports of petroleum coke during this period declined to 192,122 tons from 221,970 tons and exports (including re-exports of imported coke) decreased to 22,314 tons from 27,104 tons.

Manufactured gas, sold and used, amounted to 70,268,116 M cubic feet in 1945, including 52,985,713 M cubic feet from by-product ovens and 17,282,403 M cubic feet from gas plants. Sales of gas by the producers totalled 21,551,189 M cubic feet, of which 12,469,819 M cubic feet were from by-product ovens and 9,081,370 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 57,132 M cubic feet of (Pintsch) oil gas for lighting railway cars, 10,614,582 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 1945 was 532,613, 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, 1945

Province	Coke Plants (*)	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

(*) 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, 1945

Coal Used	Number of plants (*)	Total coal for gas making
Less than 5,000 tons	6	15,923
5,001-15,000	5	67,927
15,001-100,000	3	228,389
100,001-500,000	5	1,162,921
Over 500,000	4	3,660,858
TOTAL (*)	23	5,136,018

(*) 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, 1940-1945

Year	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
			\$	\$	\$	\$
COKE (By-product and Bee-hive)						
1940	13	2,421	3,829,937	2,974,347	18,143,915	36,310,384
1941	13	2,488	4,073,482	3,611,421	20,505,807	39,999,164
1942	13	2,536	4,462,503	3,809,802	23,083,418	43,858,560
1943	14	2,718	5,112,660	4,138,202	27,293,247	48,478,935
1944	14	3,056	6,032,037	5,470,044	32,610,820	56,902,563
1945	14	3,018	6,058,717	5,476,808	32,533,770	55,515,287
GAS (Retort and Water Gas)						
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	2,842,938	940,708	5,141,420	12,421,663
1944	20	1,691	2,908,576	1,008,767	5,198,433	12,673,152
1945	20	1,739	2,954,391	1,046,745	5,212,712	12,968,018
TOTAL - Coke and Gas						
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	60,900,598
1944	34	4,747	8,940,613	6,478,811	37,809,253	69,575,715
1945	34	4,757	9,013,108	6,523,553	37,746,482	68,483,305

(*) The number shown for by-product and bee-hive ovens includes 3 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, 1944 and 1945

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
			\$	\$	\$	\$
1944						
Nova Scotia and New Brunswick	3	471	870,871	779,319	4,760,357	7,752,033
Quebec	6	722	1,526,879	1,967,587	5,882,796	13,837,028
Ontario	17	2,921	5,422,515	3,055,969	24,836,855	42,386,597
Manitoba and Alberta	3	209	366,390	173,481	976,148	1,955,020
British Columbia ...	4	424	753,958	502,454	1,353,097	3,665,037
CANADA	33	4,747	8,940,613	6,478,811	37,809,253	69,575,715

Table 4 - PRINCIPAL STATISTICS, BY PROVINCES, 1944 and 1945 (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
			\$	\$	\$	\$
1945						
Nova Scotia and New Brunswick	3	462	928,259	764,443	4,641,513	7,895,026
Quebec	6	689	1,502,068	2,043,618	5,679,227	12,839,733
Ontario	18	2,970	5,388,380	3,059,935	25,086,610	42,190,328
Manitoba and Alberta	3	200	359,926	174,649	841,923	1,771,210
British Columbia ...	4	436	834,475	480,908	1,497,209	3,787,008
CANADA	34	4,757	9,013,108	6,523,553	37,746,482	68,483,305

Table 5 - EMPLOYEES, SALARIES AND WAGES, BY PROVINCES, 1944 and 1945

Province	Average Number of Employees					Salaries	Wages	TOTAL SALARIES and WAGES
	On Salaries		On Wages		TOTAL			
	Male	Female	Male	Female				
1 9 4 4								
Nova Scotia and New Brunswick	40	12	400	19	471	84,098	786,773	870,871
Quebec	224	60	438	...	722	639,592	887,287	1,526,879
Ontario	454	271	2,142	54	2,921	1,413,634	4,008,881	5,422,515
Manitoba and Alberta	41	26	142	...	209	98,405	267,985	366,390
British Columbia ...	61	13	350	...	424	156,538	597,420	753,958
CANADA	820	382	3,472	73	4,747	2,392,267	6,548,346	8,940,613
1 9 4 5								
Nova Scotia and New Brunswick	38	12	404	8	462	86,141	842,118	928,259
Quebec	214	61	413	1	689	670,772	831,296	1,502,068
Ontario	466	276	2,194	34	2,970	1,398,453	3,989,927	5,388,380
Manitoba and Alberta	40	22	138	...	200	102,481	257,445	359,926
British Columbia ...	57	13	366	...	436	154,637	679,838	834,475
CANADA	815	384	3,515	43	4,757	2,412,484	6,600,624	9,013,108

Table 6 - WAGE-EARNERS, BY MONTHS, 1944 and 1945 (Number on pay-roll on the last day of each month)

Month	1944			1945		
	Male	Female	TOTAL	Male	Female	TOTAL
January	3,459	74	3,533	3,472	66	3,538
February	3,463	75	3,538	3,494	69	3,563
March	3,463	74	3,537	3,469	66	3,535
April	3,449	73	3,522	3,438	63	3,501
May	3,519	72	3,591	3,483	65	3,548
June	3,519	73	3,592	3,488	57	3,545
July	3,455	73	3,528	3,471	37	3,508
August	3,480	72	3,552	3,468	31	3,499
September	3,501	72	3,573	3,561	25	3,586
October	3,487	70	3,557	3,593	14	3,607
November	3,446	69	3,515	3,627	11	3,638
December	3,432	68	3,500	3,600	10	3,610
AVERAGE	3,472	73	3,545	3,515	43	3,558

Table 7 - HOURS WORKED PER WEEK BY WAGE-EARNERS, 1944 and 1945 (In one week of highest employment; over-time included)

Hours Worked per Week	Number of Wage-earners		Hours Worked per Week	Number of Wage-earners	
	1944	1945		1944	1945
30 hours or less	224	251	55 hours	30	28
31-43 hours	428	461	56-64 hours	524	519
44 hours	352	435	65 hours and over ...	64	51
45-47 hours	193	194	TOTAL	3,705	3,911
48 hours	1,310	1,430			
49-50 hours	187	207	Total wages paid during selected week .. \$	131,003	136,345
51-54 hours	393	355			

Table 8 - FUEL AND ELECTRICITY USED, 1944 and 1945

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	1944		1945	
		Quantity	Cost at works \$	Quantity	Cost at works \$
Anthracite coal	ton	238	1,847	8	129
Bituminous coal - Canadian ...	ton	21,468	113,944	19,569	109,067
Imported ...	ton	22,513	171,425	22,266	173,811
Lignite coal - Canadian	ton	87	304	...	...
Coke	ton	263,533	1,820,542	281,026	1,999,735
Gasoline	Imp.gal.	110,951	30,286	122,223	33,983
Fuel oil	Imp.gal.	72,183	4,737	110,527	7,263
Gas--Manufactured (all made in users' works)	M cu. ft.	31,188,404	3,968,197	32,116,115	3,822,980
Other fuel .....	...	...	24,279	...	30,424
Electricity purchased	K.W.H.	64,137,580	343,250	66,008,124	346,161
TOTAL .....	...	...	6,478,811	...	6,523,553

Table 9 - POWER EQUIPMENT, 1944 and 1945

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
1944				
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	...	...
1945				
Steam engines and turbines	184	9,852	106	6,042
Diesel engines	1	26	1	40
Gasoline, gas and oil engines (except Diesel) ..	26	1,145	12	405
Hydraulic turbines or water wheels .....	...	...	1	3
Total Primary	211	11,023	120	6,490
Electric motors run by purchased power	1,027	19,357	164	4,257
TOTAL	1,238	30,380	284	10,747
Electric motors run by primary units shown above	110	3,945	...	...
Stationary power boilers	75	17,093	37	14,216
Motor-generator sets	1	15	...	...

Table 10 - MATERIALS USED IN COKE AND GAS PLANTS, 1944 and 1945

Material	Unit of measure	1944		1945	
		Quantity	Cost at works	Quantity	Cost at works
			\$		\$
Bituminous coal carbonized in ovens or retorts -					
(a) Canadian	ton	1,221,275	6,557,024	1,136,436	6,509,235
(b) Imported	ton	4,090,680	28,300,251	3,996,049	28,248,799
Bituminous coal for making water gas -					
Imported	ton	4,756	48,396	6,764	57,532
Coke for gas-making -					
(a) Purchased	ton	9,522	109,068	10,759	120,273
(b) Companies' own make	ton	85,726	691,636	91,122	742,909
Oil used for enriching water gas	Imp.gal.	10,195,113	810,200	10,655,717	836,488
Absorbing and wash oil	Imp.gal.	412,864	56,895	275,792	36,117
Caustic soda	lb.	2,029,873	41,293	1,936,288	39,239
Lime	ton	2,078	29,301	1,849	26,087
Water .....	...	...	43,123	...	39,967
Iron oxide	ton	9,194	71,545	7,357	57,441
Sulphuric acid, 66° Be	lb.	70,498,674	570,177	67,830,415	560,007
All other materials .....	...	...	480,344	...	472,388
TOTAL COST .....	...	...	37,809,253	...	37,746,482

Table 11 - MATERIALS USED IN COKE AND GAS PLANTS, BY AREAS, 1945

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	783,347	4,606,924	...	...	353,089	1,902,311
(b) Imported	ton	645,564	4,952,010	3,333,816	23,159,768	16,669	137,021
Bituminous coal for making water gas -							
Imported	ton	223	2,342	6,541	55,190	...	...
Coke for gas-making -							
(a) Purchased	ton	1,239	14,434	7,980	92,939	1,540	12,900
(b) Companies' own make	ton	14,511	146,722	60,560	500,640	16,051	95,547
Oil used for enriching water gas	Imp.gal.	814,134	69,921	8,013,236	619,338	1,828,347	147,229
Absorbing and wash oil ...	Imp.gal.	120,804	17,408	136,114	17,182	18,874	1,527
Caustic soda	pound	773,814	19,763	1,162,474	19,476	...	...
Lime	ton	1,754	25,162	95	925	...	...
Water .....	...	...	6,431	...	12,617	...	20,919
Iron oxide	ton	3,529	23,361	3,303	26,385	525	7,695
Sulphuric acid, 66° Be ...	pound	26,716,234	206,304	41,114,181	353,703	...	...
All other materials .....	...	...	229,958	...	228,447	...	13,983
TOTAL COST .....	...	...	10,320,740	...	25,086,610	...	2,339,132

Table 12 - PRODUCTS MADE IN COKE AND GAS PLANTS, 1944 and 1945

Table 11 - PRODUCTS MADE FROM COKE AND GAS PLANTS, 1944 AND 1945

Product	Unit of measure	1944		1945	
		Quantity	Gross sell-	Quantity	Gross sell-
			ing value at works \$		ing value at works \$
Gas Made -					
Retort coal gas	M cu.ft.	4,778,326	...	12,661,741	...
Coke oven gas	M cu.ft.	51,346,077	...	49,313,480	...
Producer gas	M cu.ft.	17,389,414	...	2,031,124	...
Water gas	M cu.ft.	5,605,752	...	5,885,110	...
Propane and butane gas	M cu.ft.	108,945	...	130,394	...
TOTAL GAS MADE	M cu.ft.	79,228,514	...	70,021,849	...
Gas Sold or Used -					
Gas sold	M cu.ft.	21,101,351	19,392,362	21,551,189	19,916,643
Gas used in own coke or gas plants ...	M cu.ft.	28,133,317	3,780,315	20,999,668	2,656,833
Gas used in associated metallurgical works	M cu.ft.	26,861,445	2,387,023	24,531,485	2,160,752
Gas otherwise accounted for but not sold	M cu.ft.	218,933	54,268	328,489	125,693
Gas not accounted for	M cu.ft.	2,740,357	957,303	2,857,285	981,688
TOTAL GAS SOLD OR USED	M cu.ft.	79,055,403	26,571,271	70,268,116	25,841,609
Coke Made -					
Coke from by-product or bee-hive ovens	ton	3,437,555	34,295,098	3,332,578	34,210,045
Coke from gas retorts	ton	270,646	2,429,353	271,018	2,435,505
Coke breeze from by-product ovens	ton	274,849	975,641	272,033	940,017
Coke breeze from gas retorts	ton	34,646	80,066	36,691	86,424
TOTAL COKE	ton	4,017,696	37,780,158	3,912,320	37,671,991
Other Products -					
Tar	Imp.gal.	37,907,935	2,281,504	37,995,126	2,193,711
Ammonia liquor	lb. NH ₃	1,569,615	16,461	1,703,170	16,457
Ammonium sulphate	pound	82,051,650	1,201,052	78,573,124	1,140,273
Benzol	Imp.gal.	7,246,900	1,000,170	7,412,377	1,009,159
Toluol, xylol and naphthalene	Imp.gal.	2,009,792	681,971	1,675,115	558,279
All other products .....	...	...	43,128	...	51,826
GRAND TOTAL .....	...	...	69,575,715	...	68,483,305

Table 13 - PRODUCTS MADE IN COKE AND GAS PLANTS, BY AREAS, 1945

		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 \$
Gas Made -							
Retort coal gas	M cu.ft.	8,045,768	...	4,389,777	...	226,196	...
Coke oven gas	M cu.ft.	15,213,507	...	31,029,538	...	3,070,435	...
Producer gas	M cu.ft.	1,091,097	...	940,027	...	...	...
Water gas	M cu.ft.	408,224	...	4,602,111	...	874,775	...
Propane gas	M cu.ft.	...	...	85,394	...	...	...
Butane gas	M cu.ft.	45,000	...	...	...	...	...
Total Gas Made	M cu.ft.	24,803,596	...	41,046,847	...	4,171,406	...
Gas Sold or Used -							
Gas sold	M cu.ft.	6,895,873	7,296,945	11,439,389	9,480,935	3,215,927	3,138,763
Gas used in own plants.	M cu.ft.	5,322,282	762,685	15,070,614	1,812,148	606,772	82,000
Gas used in associated metallurgical works..	M cu.ft.	12,622,803	927,756	11,762,682	1,225,696	146,000	7,300
Gas otherwise accounted for but not sold	M cu.ft.	34,401	31,880	294,030	93,726	58	87
Gas not accounted for..	M cu.ft.	620,497	227,421	2,035,450	645,552	201,338	108,715
Total Gas Sold or Used.	M cu.ft.	25,495,856	9,246,687	40,602,165	13,258,057	4,170,095	3,336,865

Table 13 - PRODUCTS MADE IN COKE AND GAS PLANTS, BY AREAS, 1945 (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
			\$		\$		\$
Coke Made -							
Coke from by-product or bee-hive ovens	ton	926,452	8,763,753	2,182,437	23,515,668	223,689	1,930,624
Coke from gas retorts..	ton	71,977	827,519	190,340	1,551,217	8,701	56,769
Coke breeze from by-product ovens	ton	68,502	315,287	171,677	534,926	31,854	90,804
Coke breeze from gas retorts	ton	3,446	21,890	32,597	60,685	648	3,849
Total Coke Made ...	ton	1,070,377	9,928,449	2,577,051	25,662,496	264,892	2,082,046
Other Products -							
Tar	Imp.gal.	11,391,366	548,577	24,530,863	1,525,583	2,072,897	119,551
Other products .....	...	...	1,011,046	...	1,744,192	...	20,756
GRAND TOTAL .....	...	...	20,734,759	...	42,190,328	...	5,559,218

Table 14 - PRODUCTION OF BEE-HIVE, BY-PRODUCT AND GAS RETORT COKE, 1935-1945 (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
		\$		\$		\$
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
1945	3,604,611	35,150,062	307,709	2,521,929	3,912,320	37,671,991

Table 15 - PRODUCTION OF BEE-HIVE, BY-PRODUCT AND GAS RETORT COKE, BY PROVINCES, 1935-1945 (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
		\$		\$		\$		\$
1935 ...	730,469	4,738,191	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	1,246,929	2,404,793	16,710,008
1937 ...	853,122	5,548,042	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	5,583,317	1,379,942	9,712,164	228,081	1,468,036	2,410,095	16,763,517
1940 ...	1,040,999	7,582,337	1,732,303	12,842,138	242,092	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	1,839,593	16,328,365	298,159	2,125,274	3,265,549	27,711,673
1943 ...	1,068,679	9,038,173	2,178,743	20,044,820	304,351	2,256,985	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
1945 ...	1,070,377	9,928,449	2,577,051	25,662,496	264,892	2,082,046	3,912,320	37,671,991

Table 16 - BEE-HIVE, BY-PRODUCT AND GAS RETORT COKE SOLD AND USED BY PRODUCERS DURING 1944 and 1945 and STOCKS ON HAND AT END OF YEAR

	Own Make		Purchased	
	Coke	Breeze	Coke	Breeze
	(Short tons)			
1944				
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

1945				
Coke actually used by reporting companies -				
In coke or gas plant (for fuel, water gas and producer gas)	287,379	65,458	10,442	14,248
In iron blast furnaces	1,355,810	...	169,781	...
In other associated works	60,275	116,355	...	...
Coke sold -				
(a) Direct to consumers:				
For domestic use	137,425	32,779	1,459	...
For other uses	486,918	59,638	11,731	341
(b) To dealers for resale	1,089,123	12,185	77,293	...
(c) For export	30,140	2,584	...	...
TOTAL SOLD OR USED	3,447,070	288,999	270,706	14,589
Stocks of coke on hand at the end of 1945..	60,080	168,642	2,706	5,382

NOTE: The above figures on consumption and sales by the producers include 99,000 tons in 1944 and 59,000 tons in 1945. Duplication because of interplant sales has been eliminated in each year.

Table 17 - COAL CARBONIZED, COKE PRODUCED, AND DISTRIBUTION OF COKE BY MANUFACTURERS, 1945

	Bee-hive and by-product plants	Gas retort plants (tons)	Total for coke producing plants
Coal carbonized -			
Canadian	1,081,924	54,512	1,136,436
Imported	3,587,065	408,984	3,996,049
TOTAL	4,668,989	463,496	5,132,485
Coke made -			
Coke	3,332,578	271,018	3,603,596
Breeze	272,033	38,691	308,724
TOTAL	3,604,611	307,709	3,912,320
Coke yield	77.2	66.4	76.2
Coke used in coke or gas plants -			
Coke	139,810	158,011	297,821
Breeze	51,739	27,967	79,706
TOTAL	191,549	185,978	377,527

Table 17 - COAL CARBONIZED, COKE PRODUCED, AND DISTRIBUTION OF COKE BY MANUFACTURERS, 1945 (Concluded)

	Bee-hive and by-product plants	Gas retort plants (tons)	Total for coke producing plants
Coke used in associated works -			
Coke	1,525,591	51,102	1,576,693
Breeze	116,339	16	116,355
TOTAL	1,641,930	51,118	1,693,048
Coke sold direct to consumers for domestic use -			
Coke	108,303	30,581	138,884
Breeze	24,352	8,427	32,779
TOTAL	132,655	39,008	171,663
Coke sold direct to consumers for other uses -			
Coke	498,319	330	498,649
Breeze	59,335	609	59,944
TOTAL	557,654	939	558,593
Coke sold to dealers for resale -			
Coke	1,123,891	42,525	1,166,416
Breeze	12,185	...	12,185
TOTAL	1,136,076	42,525	1,178,601
Coke sold for export	32,724	...	32,724
<u>TOTAL COKE SOLD AND USED</u> - Coke	3,435,227	282,549	3,717,776
Breeze	266,534	37,054	303,588
TOTAL	3,701,761	319,603	4,021,364
Stocks on December 31, 1945 - Coke	30,469	32,317	62,786
Breeze	173,564	460	174,024
TOTAL	204,033	32,777	236,810

NOTE: The above figures on consumption and sales include 59,000 tons of imported coke.

Table 18 - PRODUCTION OF BEE-HIVE, BY-PRODUCT AND GAS RETORT COKE, BY MONTHS, 1941-1945 (In 000's of short tons)

Month	1941	1942	1943	1944	1945
January	268	278	232	345	341
February	240	253	250	331	314
March	266	287	276	356	342
April	253	270	268	338	326
May	260	277	278	343	333
June	248	270	266	328	324
July	259	275	308	322	329
August	266	274	314	328	329
September	263	269	326	320	318
October	276	278	349	331	310
November	270	269	339	329	384
December	277	265	345	347	362
TOTAL	3,146	3,265	3,551	4,018	3,912
Monthly Average	262	272	296	335	326

Table 19 - BITUMINOUS COAL CHARGED TO COKE OVENS AND GAS RETORTS, 1935-1945

Year	Bee-hive and by-product ovens		Gas retorts		T O T A L
	Canadian	Imported	Canadian	Imported (*)	
	(tons)				
1935	943,240	1,734,650	45,914	412,539	3,136,343
1936	1,008,841	1,951,515	48,258	349,884	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	1,871,975	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	1,383,171	2,624,343	104,823	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
1945	1,081,924	3,587,065	54,512	415,748	5,139,249

(*) 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 tons in 1943; 4,756 tons in 1944, and 6,764 tons in 1945.

Table 20 - BITUMINOUS COAL CHARGED TO COKE OVENS AND GAS RETORTS, BY PROVINCES, 1935-1945

Year	Nova Scotia, New Brunswick and Quebec		Ontario		Manitoba, Alberta and British Columbia		T O T A L
	Canadian	Imported	Canadian	Imported(*)	Canadian	Imported	
(Tons)							
1935	708,873	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	345,319	3,200	1,858,798	335,270	11,802	3,228,014
1939	733,972	352,236	9,260	1,843,570	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	1,051,828	502,626	...	2,481,271	436,166	...	4,471,891
1943	798,824	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
1945	783,347	645,787	...	3,340,357	353,089	16,669	5,139,249

(*) See footnote to Table 19.

Table 21 - PRODUCTION OF PETROLEUM COKE, 1935-1945

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
	\$					
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
1945	7,260	36,269	59,559	472,933	66,819	509,202

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, 1942-1945

		Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan, Alberta and British Columbia	CANADA
<u>1942</u>						
Coke and gas industry	Tons	639,698	488,099	1,839,593	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	6,767	137,189
TOTAL	Tons	645,868	488,906	1,920,627	300,793	3,556,194
	\$	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	68,497	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	3,337	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
	\$	4,978,865	5,044,955	26,034,854	2,347,966	38,406,640
<u>1945</u>						
Coke and gas industry	Tons	576,283	494,094	2,577,051	264,892	3,912,320
	\$	5,077,112	4,851,337	25,662,496	2,081,046	37,671,991
Petroleum refining industry	Tons	236	1,347	62,837	2,399	66,819
	\$	784	8,351	490,049	10,018	509,202
Pitch coke	Tons	4,074	1,252	11,819	650	17,795
	\$	27,852	9,017	85,143	6,956	128,968
TOTAL	Tons	580,593	496,693	2,651,707	267,941	3,996,934
	\$	5,105,748	4,868,705	26,237,688	2,098,020	38,310,161

Table 23 - APPARENT CONSUMPTION OF COKE (Including Petroleum and Pitch Coke) IN CANADA, BY PROVINCES, 1939-1945

	Prince Edward Island, Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan, Alberta and British Columbia	CANADA
(Tons)					
Apparent 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
1943	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, 1939-1945 (Concluded)

	Prince Edward Island, Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan, Alberta and British Columbia	CANADA
	(Tons)				
<u>1944</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	1,983	23,283	39,314	69,687
APPARENT CONSUMPTION	573,496	724,087	3,419,438	270,904	4,987,925
<u>1945</u>					
Production	580,593	496,693	2,651,707	267,941	3,996,934
Add decline or deduct increase in producers' stocks	+20,597	+15,584	+24,753	+2,810	+63,744
	601,190	512,277	2,676,460	270,751	4,060,678
Add - Imports entered for consumption	195	320,397	1,085,342	30,838	1,436,772
	601,385	832,674	3,761,802	301,589	5,497,450
Deduct - Exports and re-exports	4,252	2,488	20,872	33,373	60,985
APPARENT CONSUMPTION	597,133	830,186	3,740,930	268,216	5,436,465

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 1944 and 1945

Province	1944			1945			Difference 1945 from 1944
	Petroleum refineries	Coke and gas plants	TOTAL	Petroleum refineries	Coke and gas plants	TOTAL	
	(Tons)						
Nova Scotia ....	...	23,677	23,677	...	3,083	3,083	-20,594
New Brunswick ..	...	7	7	...	4	4	-3
Quebec	2,510	29,809	32,319	95	16,640	16,735	-15,584
Ontario	1,616	214,136	215,752	1,768	189,231	190,999	-24,753
Manitoba .....	...	4,106	4,106	...	1,744	1,744	-2,362
Saskatchewan ...	1,414	...	1,414	2,456	...	2,456	+1,042
Alberta	2,235	...	2,235	...	...	...	-2,235
British Columbia	...	25,433	25,433	70	26,108	26,178	+845
TOTAL	7,775	297,168	304,943	4,389	236,810	241,199	-63,744

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

Table 25 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL AREAS, 1941-1945

	Prince Edward Island, Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan, Alberta and British Columbia	CANADA
	(Tons)				
<u>1941</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

Table 25 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL AREAS, 1941-1945 (Concluded)

	Prince Edward Island, Nova Scotia and New Brunswick	Quebec	Ontario	Manitoba, Saskatchewan, Alberta and British Columbia	CANADA
	(Tons)				
<u>1942</u>					
Furnace charges	510,725	49,312	1,763,242	93,722	2,417,011
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
<u>1943</u>					
Furnace charges	395,883	47,895	1,710,724	90,560	2,245,062
Manufacturing material ....	...	423,107	328,123	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	4,702,837
<u>1944</u>					
Furnace charges	407,131	49,737	1,721,222	73,357	2,251,447
Manufacturing material ....	...	311,837	318,885	40,872	671,594
Industrial fuel	35,645	119,079	533,542	114,913	803,179
Available for other uses (mostly domestic)	130,720	243,434	845,789	41,762	1,261,705
APPARENT CONSUMPTION ...	573,496	724,087	3,419,438	270,904	4,987,925
<u>1945</u>					
Furnace charges	399,902	57,346	1,660,489	67,435	2,185,172
Manufacturing material ....	...	248,836	393,397	50,425	692,658
Industrial fuel	37,187	127,127	526,765	110,627	801,706
Available for other uses (mostly domestic)	160,044	396,877	1,160,279	39,729	1,756,929
APPARENT CONSUMPTION ...	597,133	830,186	3,740,930	268,216	5,436,465

- NOTES: 1. Figures showing the tonnages 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.

Table 26 - SALES(a) OF PETROLEUM COKE IN CANADA FOR FUEL PURPOSES, 1940-1945

Areas and Year	Fuel for domestic and industrial heating (b)	Inventory on December 31, including stocks at refineries
	(Tons)	
1940	44,392	183,579
1941	39,150	3,985
1942	29,480	1,986
1943	18,868	6,466
1944	25,616	6,580
1945 - Maritimes	236	...
Quebec	423	1,690
Ontario	58,475	16,971
Western provinces	721	2,541
Canadian	52,302	21,202
Imported	7,553	...
TOTAL FOR 1945	59,855	21,202

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

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

Table 27 - PRODUCTION AND SALES OF MANUFACTURED GAS BY THE COKE AND GAS INDUSTRY, 1935-1945

Table 27 - PRODUCTION AND SALES OF MANUFACTURED GAS BY THE COAL AND GAS INDUSTRIES, 1935-1945				
Year	From By-product and Gas Plants			Production of still gas from petroleum refineries M cu.ft.
	Production (*) M cu.ft.	S a l e s		
		Quantity M cu.ft.	Income from sales \$	
1935	39,721,010	15,398,952	15,358,572	5,154,885
1936	44,345,358	15,321,832	15,163,664	6,083,549
1937	46,009,633	15,289,839	14,732,531	6,199,110
1938	42,932,721	15,198,068	15,001,142	6,486,618
1939	41,632,773	14,936,902	14,562,246	7,802,666
1940	55,112,521	15,392,723	14,803,049	8,706,834
1941	57,728,803	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	10,086,340
1944	82,337,655	21,101,351	19,392,362	10,601,455
1945	70,021,849	21,551,189	19,916,643	10,614,582

(*) 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, 1944 and 1945

Table 28 - SALES OF MANUFACTURED AND NATURAL GAS IN CANADA, 1944 and 1945

	1 9 4 4			1 9 4 5		
	Number of customers	Quantity sold	Revenue from sales	Number of customers	Quantity sold	Revenue from sales
		M cu.ft.	\$		M cu.ft.	\$
Manufactured Gas -						
Domestic	488,653	12,098,351	13,334,020	493,307	12,720,922	13,928,374
House heating ..	5,864	1,333,339	731,868	6,217	1,679,796	914,981
Industrial	3,236	5,786,717	4,435,914	3,356	5,109,828	2,996,984
Commercial	29,056	3,671,522	3,253,155	29,619	3,893,848	3,429,237
Miscellaneous ..	116	47,350	46,562	114	48,423	49,040
TOTAL	526,925	22,937,279	21,801,519	532,613	23,452,817	21,318,616
Natural Gas -						
Domestic	186,269	14,565,801	7,081,369	194,098	16,875,164	7,975,469
Industrial	1,122	6,144,211	1,851,076	1,162	8,375,151	1,930,013
Commercial	10,932	7,410,938	1,888,976	11,728	8,276,943	2,164,934
Miscellaneous ..	506	1,062,106	47,864	482	404,328	36,011
TOTAL	198,829	29,183,056	10,869,285	207,470	33,931,586	12,106,427
TOTAL--ALL GAS ...	725,754	52,120,335	31,670,804	740,083	57,384,403	33,425,043

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, 1943-1945

Province	1 9 4 3	1 9 4 4	1 9 4 5
	(Imperial gallons)		
Nova Scotia and New Brunswick	8,164,375	7,977,607	7,892,890
Quebec	3,620,295	3,648,345	3,498,476
Ontario	21,689,211	24,760,068	24,530,863
Manitoba	459,792	497,186	479,013
British Columbia	1,600,724	1,024,729	1,596,894
CANADA	35,534,397	37,907,935	37,995,126

Table 30 - PRODUCTION, IMPORTS AND EXPORTS OF AMMONIUM SULPHATE, 1935-1945

Year	Production (*)		Imports		Exports	
	Tons	\$	Tons	\$	Tons	\$
1935	67,362	1,473,675	4,280	94,222	45,055	977,552
1936	98,483	1,883,088	5,729	148,956	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	59,480	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
1945	221,499	7,255,308	104	12,576	181,189	6,179,877

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

DIRECTORY OF FIRMS IN THE COKE AND GAS INDUSTRY, 1945

Names of Firms and Location of Plants	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).
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1. COKE PLANTS

By-product Ovens

Dominion Steel and Coal Corp. Ltd., Sydney, N.S.	In Use - 180 Koppers horizontal ovens (813,000 tons)
Montreal Coke & Manufacturing Co., (Montreal Light, Heat & Power Consolidated) (b) 435 St. Patrick St., Ville La Salle, Que.	In Use - 59 Koppers Becker type horizontal ovens (560,275 tons); 4 Koppers Kerpely Ring type producers (12,702,000 M cu.ft.) In Reserve or Idle - 5 Water Gas sets (8,000,000 M cu.ft.)
Algoma Steel Corporation Ltd. (Great Northern Gas Co. Ltd.) (b) Sault Ste. Marie, Ont.	In Use - 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.	In Use - 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.	In Use - 54 Curran-Knowles Sole Flue Type (328,500 tons) In Reserve or Idle - 4 Galusha Cleveland Ohio Producers (3,504 M cu.ft.)
Public Utilities Commission, Owen Sound, Ont.	In Use - 3 Curran-Knowles ovens (12,775 tons)
Steel Company of Canada, Limited, Hamilton, Ont.	In Use - 80 Wilputte ovens (641,232 tons)
Winnipeg Electric Company (b) Elec. Railway Chambers, Sutherland Ave. and Gladstone St., Winnipeg, Man.	In Use - 17 Koppers Becker type horizontal ovens (84,500 tons) In Reserve or Idle - 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.	In Use - 45 intermittent Chamber ovens (131,604 tons); 3 internal and 3 external mechanical producers for chamber oven plants; 40 continuous vertical retorts (706,500 M cu.ft.); 2 water gas generators (1,095,000 M cu.ft.)

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, 1945 (Continued)

Names of Firms and Location of Plants	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)
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1. COKE PLANTS (Concluded)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)

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 sets (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.)

Directory of Firms in the Coke and Gas Industry, 1945 (Concluded)

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

Retort Coal Gas and Carbureted Water Gas (Con.)

Public Utilities Commission (a), Kingston, Ont.	In Use - 1 Merrifield-Westcott water gas set (300,000 M cu.ft.) In Reserve or Idle - 1 Merrifield-Westcott water gas set (150,000 M cu.ft.)
Public Utilities Commission (a)(b) Kitchener, Ont.	In Use - 3 horizontal retorts (3,900 tons); 1 water gas set (219,000 M cu.ft.) In Reserve or Idle - 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.	In Use - 1 carbureted blue gas set (547,500 M cu.ft.) In Reserve or Idle - 1 carbureted blue gas set (547,000 M cu.ft.)
Public Utility Commission (b), Stratford, Ont.	In Use - 12 horizontal retorts (5,000 tons) In Reserve or Idle - 6 horizontal retorts (2,500 tons)
Manitoba Power Commission (b), Brandon, Man.	In Use - 12 Russell Mfg. Co. retorts and 12 Kerr-Murray retorts (27,740 M cu.ft.)
Victoria Gas Company, Ltd. (a)(b), Victoria, B.C.	In Use - 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.	In Use - 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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