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Dominion Statistician: R. H. Coats, LL.D., F.R.S.C., F.S.S. (Hon.)
Chief - Mining, Metallurgical and Chemical Branch: W. H. Losee, B.Sc.
Statistician - Metal and Chemical Products: H. McLeod, B.Sc.

ANNUAL INDUSTRY REPORT

MANUFACTURES OF THE NON-METALLIC MINERALS GROUP

THE COKE AND GAS INDUSTRY, 1937.

Production from coke and gas plants during 1937 amounted to \$41,702,929 at factory prices. This value exceeded by 4.5 per cent the former record of \$39,910,443 established in 1929 and it was 4.6 per cent above the 1936 total of \$39,871,898. Output during the year under review included 2,570,385 tons of coke with a factory selling value of \$18,466,068; 46,131,322 M cubic feet of gas valued at \$19,922,809, and other products worth \$3,314,052.

Thirty coke and gas works were operated in 1937, including 8 by-product plants, 2 bee-hive plants, and 20 retort coal and water gas plants. Seventeen of these works were located in Ontario, 4 in British Columbia, 3 in Quebec, 2 in Manitoba, 2 in Nova Scotia, and 1 in each of New Brunswick and Alberta. In addition to these manufacturers, 3 gas distributing companies - 1 in Quebec and 2 in Ontario - have been included in this industry. These companies purchase coke-oven gas from the producers and distribute it for domestic and commercial use and data covering their operations have been included to round out the figures for the industry; in other cases the manufacturers also distribute the gas which they make. The small plants which make Pintsch oil gas for lighting railway cars have been dropped from this group.

Output of coke from gas retorts, by-product ovens, and bee-hive ovens totalled 2,570,385 tons in 1937 compared with 2,404,793 tons in 1936 and 2,257,604 tons in 1935; the by-product and bee-hive ovens produced 2,334,556 tons and gas retorts made 235,829 tons. In addition, 62,015 tons of petroleum coke were recovered as a by-product in the petroleum refining industry.

Data on the distribution of coke (except petroleum coke) by the producers show that 974,274 tons were sold for domestic use, 892,609 tons were used in metallurgical works operated by the producing companies, 245,393 tons were used in the producing coke plants for fuel or for making water gas, and 517,519 tons were sold for other uses. The total distribution of 2,629,795 tons included about 39,000 tons drawn from stock.

Imports of coke made from coal dropped to 417,733 tons in 1937 from 612,858 tons in 1936 while exports advanced to 36,959 tons from 18,215 tons. Imports of petroleum coke during this period advanced to 119,503 tons from 88,602 tons and exports (including re-exports) declined to 35,663 tons from 49,957 tons.

Production of manufactured gas amounted to 46,009,633 M cubic feet of which 38,790,787 M cubic feet were from by-product ovens and 7,218,846 M cubic feet from gas plants. Sales of gas by the producers totalled 15,289,839 M cubic feet of which 8,700,475 M cubic feet were from by-product ovens and 6,589,364 M cubic feet were from gas works. Most of the remaining gas was used as a fuel in the producing plants or in their associated metallurgical works. These figures do not include 52,209 M cubic feet of Pintsch oil gas for lighting railway cars, 5,779,059 M cubic feet of still gas recovered at petroleum refineries, and some blast furnace and producer gas which was recovered and used by the producers but for which no records are available.

The number of customers served with manufactured gas in 1937 was 476,965, the number of active meters was 501,677, the length of distributing mains was 3,729 miles, and the average calorific value of the gas sold ranged from 450 to 533 B.T.U. per cubic foot.

Table 1 - DISTRIBUTION OF COKE AND GAS MANUFACTURING PLANTS, BY PROVINCES, 1937.

Province	COKE PLANTS :			GAS PLANTS :		
	By-product coke ovens	Bee-hive ovens	: gas only	Water gas only	Retort coal gas and water gas	: TOTAL
Nova Scotia	1	...	1	...	...	2
New Brunswick .....	...	...	1	...	...	1
Quebec	1	...	1	1	...	5
Ontario	4	...	6	5	2	17
Manitoba	1	...	1	...	...	2
Alberta .....	...	1	...	...	...	1
British Columbia ..	1	1	1	...	1	4
CANADA	8	2	11	6	3	30

Table 2 - SIZE OF ESTABLISHMENTS, ACCORDING TO QUANTITY OF GAS PRODUCED, 1937.

M cubic feet	Number of plants(x)	Total Production M cu.ft.
Under 10,000	5	12,755
10,000 - 50,000	8	208,491
50,001 - 100,000	3	214,124
100,001 - 175,000	4	646,608
175,001 - 1,000,000	3	1,361,577
1,000,001 - 6,000,000	3	13,600,732
Over 6,000,000	4	29,965,296
TOTAL	28	46,009,633

(x) Excluding 2 bee-hive ovens which did not recover gas.

Table 3 - PRINCIPAL STATISTICS OF THE COKE AND GAS INDUSTRY, 1933 - 1937.

Year	Number of Companies	Capital employed	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>								
1933	(x)13	51,562,953	1,316	1,738,250	1,940,032	9,581,030	17,987,418	
1934	(x)13	56,292,977	2,083	2,772,265	2,154,814	13,094,258	26,547,174	
1935	(x)13	57,622,300	2,084	2,940,341	1,675,503	12,064,977	26,927,436	
1936	(x)13	55,352,751	2,306	3,294,227	2,051,914	13,933,486	29,458,063	
1937	(x)13	56,416,667	2,314	3,325,958	2,243,977	14,614,177	31,913,459	
<u>GAS (Retort and Water Gas)</u>								
1933	32	42,662,623	2,210	2,868,058	666,558	3,148,045	11,949,557	
1934	31	43,014,418	2,195	2,876,704	628,235	3,337,779	11,724,846	
1935	31	41,313,360	2,023	2,687,520	756,608	3,168,542	11,547,353	
1936	29	37,735,971	1,910	2,420,256	729,131	2,752,085	10,413,835	
1937	(xx)	20	35,494,583	1,715	2,383,611	662,115	2,603,780	9,789,470
<u>TOTAL - COKE and GAS</u>								
1933	45	94,225,476	3,526	4,606,308	2,606,590	12,729,075	29,936,975	
1934	44	99,297,395	4,278	5,648,969	2,783,049	15,237,031	38,272,020	
1935	44	98,939,160	4,107	5,627,861	2,432,111	15,233,519	38,474,789	
1936	42	93,088,722	4,116	5,714,483	2,781,045	16,585,571	39,871,898	
1937	33	91,911,250	4,027	5,709,569	2,906,092	17,217,957	41,702,929	

(x) Includes 3 companies which purchased coke oven gas from the manufacturers and distributed it to customers.

(xx) Plants which made Pintsch oil gas for railway car lighting have been excluded from the 1937 statistics; in previous years 8 such plants were included, the distribution by provinces being as follows - New Brunswick, 1; Quebec, 1; Ontario, 2; Manitoba, 1; Saskatchewan, 1; Alberta, 1; British Columbia, 1.

Table 4 - PRINCIPAL STATISTICS, BY PROVINCES, 1936 and 1937.

Province	Number of Companies	Capital employed	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
1936							
Nova Scotia and New Brunswick	4	8,470,795	564	379,083	296,846	2,166,401	3,272,478
Quebec	5	12,652,318	800	1,261,939	853,928	3,124,228	10,226,647
Ontario	22	53,385,545	2,449	3,407,555	1,379,130	9,942,259	22,562,214
Manitoba, Saskatchewan and Alberta	6	6,316,947	211	272,082	68,464	745,529	1,542,130
British Columbia ...	5	12,263,119	292	393,824	182,677	607,154	2,268,429
CANADA	42	93,088,722	4,116	5,714,483	2,781,045	16,585,571	39,871,898

1937 (xx)

Province	Number of Companies	Capital employed	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
New Brunswick	3	9,119,640	391	469,172	364,761	2,202,755	4,236,623
Quebec	4	12,055,904	633	1,020,370	862,199	3,176,005	10,072,569
Ontario	19	52,099,768	2,459	3,477,059	1,435,278	10,380,104	23,554,869
Manitoba and Alberta	5	6,370,068	231	293,210	69,080	753,192	1,421,617
British Columbia ...	4	12,265,870	313	449,758	174,774	705,901	2,417,251
CANADA	33	91,911,250	4,027	5,709,569	2,906,092	17,217,957	41,702,929

(xx) Plants which made Pintsch oil gas for railway car lighting have been excluded from the 1937 statistics; in previous years 8 such plants were included, the distribution by provinces being as follows - New Brunswick, 1; Quebec, 1; Ontario, 2; Manitoba, 1; Saskatchewan, 1; Alberta, 1; British Columbia, 1.

Table 5 - SIZE OF ESTABLISHMENTS, ACCORDING TO PRODUCTION, EMPLOYEES and CAPITAL EMPLOYED, 1937.

	Number of Companies	Capital employed	Average number of employees	Gross selling value of products at works
(a) PRODUCTION				
\$25,000 and under	4	166,980	18	55,899
\$25,001 to \$50,000	6	1,231,535	83	266,328
\$50,001 to \$100,000	4	2,230,733	84	326,130
\$100,001 to \$250,000	4	3,102,697	150	694,950
\$250,001 to \$500,000	4	5,574,425	223	1,393,112
\$500,001 to \$1,000,000	2	6,845,822	255	1,459,742
Over \$1,000,000	9	72,759,058	3,214	37,506,788
TOTAL	33	91,911,250	4,027	41,702,929
(b) EMPLOYEES (Number)				
1 to 10	6	465,157	57	159,780
11 to 20	5	1,788,038	73	295,195
21 to 100	11	10,053,180	448	2,297,426
101 to 250	7	34,360,954	1,257	18,456,912
Over 250	4	45,243,926	2,212	20,533,618
TOTAL	33	91,911,250	4,027	41,702,929
(c) CAPITAL EMPLOYED				
Under \$100,000	5	263,634	28	108,015
\$100,001 to \$500,000	7	1,992,063	131	569,121
\$500,001 to \$1,000,000	7	4,492,956	206	1,079,859
Over \$1,000,000	14	85,162,597	3,662	59,945,934
TOTAL	33	91,911,250	4,027	41,702,929

Table 6 - CAPITAL EMPLOYED, BY CLASSES and BY PROVINCES, 1936 and 1937.

Province	Present value of land, build- ings, fixtures, and machinery	Inventory value of materials on hand, stocks in process, and finished products	Operating capital (cash, bills and accounts receivable, prepaid expenses, etc.)	TOTAL CAPITAL EMPLOYED
	\$	\$	\$	\$
<u>1 9 3 6</u>				
Nova Scotia and				
New Brunswick	6,641,060	1,036,919	792,814	8,470,793
Quebec	9,659,224	1,864,826	1,128,268	12,652,318
Ontario	42,219,781	5,611,063	5,554,701	53,385,545
Manitoba, Saskatchewan and				
Alberta	6,100,096	91,228	125,623	6,316,947
British Columbia	11,588,807	331,203	343,109	12,263,119
CANADA	<u>76,208,968</u>	<u>8,935,239</u>	<u>7,944,515</u>	<u>93,088,722</u>

1 9 3 7

Nova Scotia and							
New Brunswick	6,669,691	1,544,533	905,416	9,119,640			
Quebec	9,348,429	1,942,949	764,526	12,055,904			
Ontario	42,152,166	5,687,277	4,260,325	52,099,768			
Manitoba and Alberta	6,053,218	162,417	154,433	6,370,068			
British Columbia	11,606,255	282,651	376,984	12,265,870			
CANADA	<u>75,829,759</u>	<u>9,619,807</u>	<u>6,461,684</u>	<u>91,911,250</u>			

Table 7 - EMPLOYEES, SALARIES and WAGES, BY PROVINCES, 1936 and 1937.

Province	Average number of employees				Salaries	Wages	TOTAL SALARIES and WAGES			
	On salaries		On wages							
	Male	Female	Male	Female						
<u>1 9 3 6</u>										
Nova Scotia and										
New Brunswick	42	9	313	...	364	52,522	326,561			
Quebec	298	86	415	1	800	725,582	538,257			
Ontario	528	193	1,724	4	2,449	1,059,558	2,347,997			
Manitoba, Saskatchewan and										
Alberta	42	24	145	...	211	82,730	189,352			
British Columbia	48	3	241	...	292	105,489	288,335			
CANADA	<u>958</u>	<u>315</u>	<u>2,838</u>	<u>5</u>	<u>4,116</u>	<u>2,023,881</u>	<u>3,690,602</u>			
<u>1 9 3 7</u>										
Nova Scotia and										
New Brunswick	42	8	541	...	391	69,367	399,805			
Quebec	184	36	413	...	633	401,893	618,477			
Ontario	514	183	1,760	2	2,459	1,023,704	2,453,355			
Manitoba and Alberta	41	24	166	...	231	83,294	209,916			
British Columbia	55	2	256	...	313	112,488	337,270			
CANADA	<u>836</u>	<u>253</u>	<u>2,936</u>	<u>2</u>	<u>4,027</u>	<u>1,690,746</u>	<u>4,018,823</u>			

Table 8 - WAGE-EARNERS, BY MONTHS, 1936 and 1937. (On 15th of each month).

Month	1 9 3 6			1 9 3 7		
	Male	Female	TOTAL	Male	Female	TOTAL
January	2,795	4	2,799	2,824	2	2,826
February	2,829	4	2,833	2,833	2	2,835
March	2,725	4	2,729	2,846	2	2,848
April	2,746	4	2,750	2,900	2	2,902
May	2,834	4	2,838	3,003	2	3,005
June	2,941	4	2,945	3,075	3	3,078
July	2,938	4	2,942	3,008	3	3,011
August	2,879	6	2,885	2,990	3	2,993
September	2,847	4	2,851	3,032	3	3,035
October	2,847	4	2,851	2,953	3	2,956
November	2,871	2	2,873	2,926	3	2,929
December	2,805	2	2,807	2,855	3	2,858
AVVERAGE	<u>2,838</u>	<u>5</u>	<u>2,843</u>	<u>2,936</u>	<u>2</u>	<u>2,938</u>

Table 9 - REGULAR HOURS WORKED PER WEEK BY WAGE-EARNERS, 1936 and 1937. (Based on data for period of highest employment)

Regular hours worked per week	Per cent of wage-earners		Regular hours worked per week	Per cent of wage-earners	
	1936	1937		1936	1937
40 hours or less	3.9	5.6	51 - 53 hours	2.0	1.6
41 - 43 hours	2.0	13.3	54 hours	3.5	5.7
44 hours	10.9	6.8	55 hours	0.6	0.5
45 - 47 hours	4.9	2.1	56 - 59 hours	12.0	13.1
48 hours	45.8	42.6	60 hours and over	7.7	5.2
49 - 50 hours	6.7	3.5			

Table 10 - FUEL AND ELECTRICITY USED, 1936 and 1937.

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 3 6		1 9 3 7	
		Quantity	Cost at works	Quantity	Cost at works
Bituminous coal - Canadian	short ton	15,347	\$ 46,303	7,901	\$ 30,426
Imported	short ton	11,421	62,247	7,899	41,093
Anthracite coal	short ton	1,244	7,194	25	250
Lignite coal - Canadian	short ton	421	1,263	269	807
Coke (all made in users' works)	short ton	153,416	752,777	150,276	750,679
Gasoline	Imp. gal.	21,976	3,385	14,267	2,086
Fuel oil	Imp. gal.	2,419	98	3,342	145
Wood	cord	2	11	12	71
Gas - Manufactured (all made in users' works). Natural	M cu.ft.	14,102,204	1,628,673	15,316,006	1,825,372
Other fuel	M cu.ft.	4,000	800	...	...
Electricity purchased	K. W. H.	49,327,570	264,736	47,557,298	268,058
TOTAL .....	\$	...	2,781,045	...	2,906,092

Table 11 - POWER EQUIPMENT, 1936 and 1937.

	1 9 3 6		1 9 3 7	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	288	14,640	279	14,605
Diesel engines	1	42	1	42
Gasoline, gas and oil engines (except diesel)	6	195	6	195
Hydraulic turbines or water wheels	1	6	1	6
Total Primary	296	14,893	287	14,846
Electric motors run by purchased power	1,033	22,837	1,043	22,865
TOTAL	1,329	37,720	1,350	37,711
Electric motors run by primary units shown above	116	2,258	119	2,273
Total Electric Motors	1,149	25,095	1,162	25,158
Boilers	137	33,338	106	23,740

Table 12 - POWER EQUIPMENT, 1937, showing ORDINARILY IN USE separately from IN RESERVE OR IDLE.

	Ordinarily in Use		In Reserve or Idle	
	Number of units	Total rated horse power	Number of units	Total rated horse power
Steam engines and turbines	177	9,338	102	5,265
Diesel engines .....	...	...	1	42
Gasoline, gas and oil engines (except diesel)	1	7	5	188
Hydraulic turbines or water wheels .....	...	...	1	6
Total Primary	178	9,345	109	5,501
Electric motors run by purchased power	793	18,560	250	4,305
TOTAL	971	27,905	359	9,806
Electric motors run by primary units shown above	119	2,273	...	...
Total Electric Motors	912	20,833	250	4,305
Boilers	73	15,744	33	7,996

Table 13 - MATERIALS USED IN COKE AND GAS PLANTS, 1936 and 1937.

Materials	Unit of measure	1 9 3 6			1 9 3 7		
		Quantity	Cost at works	Quantity	Cost at works		
Bituminous coal carbonized in ovens or retorts -							
(a) Canadian	short ton	1,057,099	4,278,820	1,154,315	4,198,788		
(b) Imported	short ton	2,298,240	10,682,891	2,423,243	11,440,385		
Bituminous coal for making water gas -							
Imported	short ton	3,159	21,772	2,392	17,839		
Coke for gas-making -							
(a) Purchased	short ton	4,573	43,311	3,907	36,620		
(b) Companies' own make	short ton	92,665	664,429	92,515	662,053		
Oil used for enriching water gas	Imp. gal.	3,907,255	277,467	4,017,360	299,922		
Oil used for making oil gas	Imp. gal.	635,122	53,572	...	...
Absorbing and wash oil	Imp. gal.	261,734	30,686	228,336	26,550		
Caustic soda	pound	683,065	17,270	551,619	12,481		
Lime	ton	2,361	16,900	2,735	27,529		
Water .....	\$	...	12,859	...	16,950		
Oxide or purifying materials	ton	...	41,291	...	40,414		
Sulphuric acid, 66° Be	pound	39,938,799	312,270	46,357,679	328,521		
All other materials .....	\$	...	132,033	...	109,905		
TOTAL COST .....	\$	...	16,585,571	...	17,217,957		

Table 14 - MATERIALS USED IN COKE AND GAS PLANTS, BY AREAS, 1937.

Materials	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	short ton	853,949	3,162,021	6,028	28,313	294,838	1,012,454
(b) Imported	short ton	338,361	1,681,434	2,058,185	9,519,178	26,197	235,773
Bituminous coal for making water gas -							
Imported	short ton	500	4,000	1,892	13,839	...	...
Coke for gas-making -							
(a) Purchased	short ton	528	5,544	3,379	31,076	...	...
(b) Companies' own make	short ton	30,911	235,851	37,037	252,321	24,567	173,881
Oil used for enriching water							
gas	Imp. gal.	140,400	11,232	3,565,473	270,694	311,487	17,996
Oil used for making oil gas ..	Imp. gal.	...	...	...	...	...	...
Absorbing and wash oil	Imp. gal.	122,518	15,165	86,937	10,014	18,881	1,371
Caustic soda	pound	228,126	3,453	323,493	9,028	...	...
Lime	ton	2,145	22,123	590	5,406	...	...
Water .....	\$	...	8,873	...	7,786	...	286
Oxide or purifying materials ..	ton	...	13,918	...	22,947	...	3,549
Sulphuric acid, 66° Be	pound	20,928,022	131,671	25,429,657	196,850	...	...
All other materials .....	\$	...	83,470	...	12,652	...	13,783
TOTAL COST .....	\$	...	5,378,760	...	10,380,104	...	1,459,093

Table 15 - PRODUCTS MADE IN COKE AND GAS PLANTS, 1936 and 1937.

Products	Unit of measure	1 9 3 6			1 9 3 7		
		Quantity	Gross selling value at works	Quantity	Gross selling value at works		
GAS MADE -							
Retort coal gas	M cu.ft.	5,341,977	...	4,942,958	...		
Coke oven gas	M cu.ft.	50,175,976	...	32,636,734	...		
Producer gas	M cu.ft.	6,796,467	...	6,158,814	...		
Water gas	M cu.ft.	1,979,566	...	2,271,127	...		
Oil gas	M cu.ft.	51,372	...	...	...
TOTAL GAS MADE	M cu.ft.	44,345,358	...	46,009,633	...		

Table 15 - PRODUCTS MADE IN COKE AND GAS PLANTS, 1936 and 1937. (concluded)

Products	Unit of measure	1 9, 3 6		1 9 3 7	
		Quantity	Gross selling value at works	Quantity	Gross selling value at works
<u>GAS SOLD OR USED -</u>					
Gas sold	M cu.ft.	15,321,832	15,163,664	15,289,839	14,732,551
Gas used in own plants	M cu.ft.	16,665,581	2,165,284	18,330,549	2,429,972
Gas used in associated metallurgical works	M cu.ft.	10,181,379	1,524,475	10,652,774	1,598,776
Gas otherwise accounted for but not sold ..	M cu.ft.	519,077	102,671	235,652	62,057
Gas not accounted for	M cu.ft.	1,795,313	1,463,265	1,622,708	1,299,475
TOTAL GAS SOLD OR USED	M cu.ft.	44,482,988	20,219,559	46,151,522	19,922,809
<u>COKE MADE -</u>					
Coke from by-product or bee-hive ovens	short ton	2,017,352	13,963,230	2,187,638	15,813,440
Coke from gas retorts	short ton	243,689	2,524,775	222,509	2,157,661
Coke breeze from by-product ovens	short ton	130,458	380,729	146,918	469,930
Coke breeze from gas retorts	short ton	13,294	41,274	13,520	45,037
TOTAL COKE	short ton	2,404,793	16,710,008	2,570,385	18,466,068
<u>OTHER PRODUCTS -</u>					
Tar	Imp. gal.	26,804,438	1,340,754	27,789,567	1,440,578
Ammonia liquor	Lb.N.H.3	1,779,748	17,797	1,618,661	16,187
Ammonia sulphate	pound	53,656,457	582,816	59,576,866	683,556
Benzol	Imp. gal.	2,935,917	473,948	2,980,697	590,302
Toluol and xylol	Imp. gal.	724,982	280,123	751,408	270,557
Other light oils	Imp. gal.	2,862,815	242,036	3,824,692	308,546
All other products .....	\$	...	5,057	...	4,526
GRAND TOTAL .....	\$	...	39,871,898	...	41,702,929

Table 16 - PRODUCTS MADE IN COKE AND GAS PLANTS, BY AREAS, 1937.

Products	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>GAS MADE -</u>							
Retort coal gas	M cu.ft.	484,481	...	4,268,346	...	190,131	...
Coke oven gas	M cu.ft.	12,041,284	...	18,472,769	...	2,122,681	...
Producer gas ;.....	M cu.ft.	3,955,100	...	...	...	2,203,714	...
Water gas	M cu.ft.	68,800	...	2,196,591	...	5,736	...
Oil gas	M cu.ft.	...	...	...	...	...	...
Total Gas Made	M cu.ft.	16,549,665	...	24,937,706	...	4,522,262	...
<u>GAS SOLD or USED -</u>							
Gas sold	M cu.ft.	4,977,258	5,586,403	8,493,068	7,199,917	1,819,513	1,946,211
Gas used in own plants.	M cu.ft.	7,085,534	976,912	8,793,525	1,281,191	2,451,290	171,869
Gas used in associated metallurgical works ..	M cu.ft.	3,864,511	415,603	6,788,263	985,173	...	...
Gas otherwise accounted for but not sold	M cu.ft.	722	575	234,650	61,182	300	500
Gas not accounted for	M cu.ft.	621,483	592,158	750,532	457,088	250,693	250,227
TOTAL GAS SOLD OR USED.	M cu.ft.	16,549,508	7,571,651	25,060,018	9,982,551	4,521,796	2,368,607
<u>COKE MADE -</u>							
Coke from by-product or bee-hive ovens	short ton	754,596	5,158,061	1,241,539	9,564,975	191,503	1,290,404
Coke from gas retorts .	short ton	17,642	151,479	196,752	1,960,020	7,915	46,162
Coke breeze from by-product ovens	short ton	77,574	247,242	56,579	167,586	12,765	55,102
Coke breeze from gas retorts	short ton	3,510	11,260	9,464	30,384	746	3,393
Total Coke	short ton	853,122	5,548,042	1,504,334	11,522,965	212,929	1,395,061
<u>OTHER PRODUCTS -</u>							
Tar	Imp. gal.	9,988,575	457,116	16,535,960	908,262	1,265,032	75,200
Other products .....	\$	...	732,383	...	1,141,091	...	...
GRAND TOTAL .....	\$	...	14,309,192	...	23,554,869	...	5,838,868

Table 17 - PRODUCTION OF BEE-HIVE, BY-PRODUCT and GAS RETORT COKE, 1929 - 1937.

Year	By-product and bee-hive coke		Gas retort coke		TOTAL	
	Quantity short tons	Selling value \$	Quantity short tons	Selling value \$	Quantity short tons	Selling value \$
1929	2,372,229	15,938,466	305,352	2,009,192	2,677,581	17,947,658
1930	2,062,764	13,592,418	323,230	2,259,829	2,385,994	15,852,247
1931	1,512,381	10,157,011	320,319	2,262,730	1,832,700	12,419,741
1932	1,331,170	9,085,716	306,531	3,008,789	1,637,701	12,094,505
1933	1,500,448	9,847,600	271,716	2,618,595	1,772,164	12,466,195
1934	1,948,294	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	255,829	2,182,698	2,570,385	18,466,068

Table 18 - PRODUCTION OF BEE-HIVE, BY-PRODUCT and GAS RETORT COKE, BY PROVINCES, 1929 - 1937.

Year	Nova Scotia, New Brunswick and Quebec		Ontario		Manitoba, Alberta and British Columbia		CANADA	
	Quantity short tons	Selling value \$	Quantity short tons	Selling value \$	Quantity short tons	Selling value \$	Quantity short tons	Selling value \$
1929	850,452	5,259,446	1,624,284	11,112,809	202,245	1,575,405	2,677,581	17,947,658
1930	680,911	4,361,204	1,516,080	10,021,292	189,003	1,469,751	2,385,994	15,852,247
1931	538,126	3,887,746	1,113,509	7,163,526	181,065	1,368,469	1,832,700	12,419,741
1932	403,330	3,115,737	1,087,122	7,876,941	147,249	1,101,827	1,637,701	12,094,505
1933	445,755	2,840,433	1,153,509	8,429,660	172,900	1,196,102	1,772,164	12,466,195
1934	654,305	4,369,150	1,388,709	10,200,763	200,406	1,292,244	2,243,420	15,861,757
1935	730,469	4,728,191	1,334,081	9,868,955	195,054	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

Table 19 - BEE-HIVE, BY-PRODUCT and GAS RETORT COKE SOLD AND USED BY PRODUCERS DURING 1936 and 1937, and STOCKS ON HAND AT END OF YEAR

	Coke	Breeze	TOTAL
(short tons)			
<u>1 9 3 6</u>			
Coke actually used by reporting companies -			
In coke or gas plant	192,840	54,904	247,744
In associated metallurgical works	625,861	55,226	681,087
Coke sold -			
For domestic use	1,153,093	36,696	1,189,789
For other uses	353,642	27,801	381,443
TOTAL	<u>2,325,436</u>	<u>174,627</u>	<u>2,500,063</u>
<u>1 9 5 7</u>			
Coke actually used by reporting companies -			
In coke or gas plant	187,519	57,874	245,393
In associated metallurgical works	842,454	50,155	892,609
Coke sold -			
For domestic use	956,428	17,846	974,274
For other uses	477,701	39,818	517,519
TOTAL	<u>2,464,102</u>	<u>165,693</u>	<u>2,629,795</u>
Stocks on hand at end of year	228,785	16,936	245,721

Table 20 - COAL CARBONIZED, COKE PRODUCED, and DISTRIBUTION OF COKE BY MANUFACTURERS, 1937.

	Bee-hive and By-product plants	Gas retort plants	Total for coke producing plants
	short tons	short tons	short tons
Coal carbonized -			
Canadian	1,106,706	47,609	1,154,515
Imported	2,106,960	516,285	2,425,245
TOTAL	3,213,666	563,892	3,577,558
Coke made -			
Coke	2,187,658	222,509	2,409,947
Breeze	146,918	15,520	160,438
TOTAL	2,334,556	235,829	2,570,385
Coke yield	%	72.6	64.8
			71.9
Coke used in coke or gas plants -			
Coke	52,645	134,874	187,519
Breeze	55,609	2,265	57,874
TOTAL	108,254	137,139	245,598
Coke used in associated metallurgical works -			
Coke	842,454	...	842,454
Breeze	50,155	...	50,155
TOTAL	892,609	...	892,609
Coke sold for domestic use -			
Coke	836,727	119,701	956,428
Breeze	7,398	10,448	17,846
TOTAL	844,125	130,149	974,274
Coke sold for other purposes -			
Coke	476,674	1,027	477,701
Breeze	39,161	657	39,818
TOTAL	515,835	1,684	517,519
TOTAL COKE SOLD AND USED -			
Coke	2,208,500	255,602	2,464,102
Breeze	152,323	13,570	165,693
TOTAL	2,360,825	268,972	2,629,795
Stocks on December 31st, 1937 -			
Coke	177,480	51,305	228,785
Breeze	15,766	1,170	16,936
TOTAL	195,246	52,475	245,721

Table 21 - PRODUCTION OF BEE-HIVE, BY-PRODUCT and GAS RETORT COKE, BY MONTHS, 1929 - 1937.
(In 000's of short tons)

Month	1929	1930	1931	1932	1933	1934	1935	1936	1937
January	221	225	171	151	150	195	200	212	218
February	202	204	165	144	128	169	181	198	198
March	228	224	179	156	139	192	198	202	221
April	220	213	169	145	122	185	180	190	214
May	231	210	169	129	134	185	185	200	218
June	221	193	155	119	136	179	180	199	210
July	225	182	139	127	145	185	176	195	212
August	227	182	132	121	150	189	175	191	214
September	220	170	126	127	156	188	180	189	208
October	233	185	140	131	173	204	205	212	218
November	224	185	144	143	174	199	206	208	217
December	226	213	144	147	166	175	192	211	222
TOTAL	2,678	2,586	1,853	1,658	1,772	2,245	2,258	2,405	2,570
Monthly Average	223	199	153	157	148	187	188	200	214

Table 22 - BITUMINOUS COAL CHARGED TO COKE OVENS AND GAS RETORTS, 1929 - 1937.

Year	Bee-hive and by-product ovens		Gas Retorts		TOTAL
	Canadian	Imported	Canadian	Imported	
(short tons)					
1929	872,884	2,378,507	88,507	372,387	3,712,285
1930	640,167	2,097,921	96,299	356,656	3,191,043
1931	468,838	1,576,881	96,044	390,773	2,532,536
1932	351,960	1,413,328	97,304	354,420	2,217,012
1933	557,249	1,488,492	46,768	373,452	2,465,961
1934	803,321	1,836,668	40,982	435,133	3,116,104
1935	943,240	1,734,650	45,914	412,539(x)	3,136,343
1936	1,008,841	1,951,515	48,258	349,884(x)	3,358,498
1937	1,106,706	2,106,960	48,109	318,175(x)	3,579,950

(x) Includes 3,261 tons used in making water gas in 1935, 3,159 tons in 1936, and 2,392 tons in 1937.

Table 23 - BITUMINOUS COAL CHARGED TO COKE OVENS AND GAS RETORTS, BY PROVINCES, 1929 - 1937.

Year	Nova Scotia, New Brunswick and Quebec		Ontario		Manitoba, Alberta and British Columbia		TOTAL
	Canadian	Imported	Canadian	Imported	Canadian	Imported	
(short tons)							
1929	734,221	466,433	...	2,206,338	227,170	78,123	3,712,285
1930	515,793	433,414	...	1,963,195	220,673	57,968	3,191,043
1931	338,072	414,179	...	1,516,819	226,810	56,656	2,532,536
1932	271,496	295,114	105	1,435,964	177,663	36,670	2,217,012
1933	384,175	256,086	5,700	1,584,052	214,142	21,806	2,465,961
1934	556,628	359,210	700	1,911,920	286,975	671	3,116,104
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	358,861	6,028	2,060,077	294,838	26,197	3,579,950

Table 24 - PRODUCTION OF PETROLEUM COKE, 1929 - 1937.

Year	Made for Own Use		Made for Sale		TOTAL	
	Selling value		Selling value		Selling value	
	Tons	at works	Tons	at works	Tons	at works
		\$		\$		\$
1929	25,408	140,230	84,108	465,753	109,516	605,983
1930	23,538	124,363	68,549	392,945	92,087	517,308
1931	20,029	96,676	52,310	280,660	72,339	577,336
1932	19,273	104,181	53,787	293,755	73,065	397,936
1933	20,079	115,400	54,646	322,379	74,725	437,779
1934	9,293	57,961	52,467	200,512	61,760	258,473
1935	8,543	21,256	63,843	372,723	72,191	593,979
1936	2,629	11,687	62,077	381,473	64,706	593,160
1937	2,381	8,942	59,634	371,193	62,015	580,140

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

Table 25 - TOTAL PRODUCTION OF COKE (including Petroleum Coke) IN CANADA, 1934 - 1937.

	Nova Scotia and New Brunswick		Quebec		Ontario		CANADA	
(short tons)								
	1	9	5	4				
Coke and Gas Industry	Tons	249,826	404,479	1,388,709	200,406	2,243,420		
	\$	1,400,865	2,968,285	10,200,363	1,292,244	15,861,757		
Petroleum Refining Industry.	Tons	316	2,377	49,011	10,096	61,760		
	\$	1,404	19,865	174,222	62,982	258,473		
TOTAL	Tons	250,142	406,816	1,437,720	210,502	2,305,180		
	\$	1,402,269	2,988,150	10,374,585	1,355,226	16,120,230		

Table 25 - TOTAL PRODUCTION OF COKE (including Petroleum Coke) IN CANADA, 1934 - 1937. (concluded)

		Nova Scotia and New Brunswick	Quebec	Ontario	Man., Sask., Alberta and Br. Columbia	CANADA
		(short tons)				
<u>1 9 3 5</u>						
Coke and Gas Industry	Tons	332,409	398,060	1,334,081	193,054	2,257,604
	\$	1,805,487	2,934,704	9,868,953	1,254,015	15,861,159
Petroleum Refining Industry.	Tons	530	2,690	53,845	15,126	72,191
	\$	1,962	14,978	320,004	57,055	593,979
TOTAL	Tons	332,939	400,750	1,387,926	208,180	2,329,795
	\$	1,805,449	2,949,682	10,188,957	1,311,050	16,255,138
<u>1 9 3 6</u>						
Coke and Gas Industry	Tons	379,861	395,409	1,441,833	187,690	2,404,795
	\$	1,894,628	2,760,840	10,807,611	1,246,929	16,710,008
Petroleum Refining Industry.	Tons	448	3,168	55,667	5,423	64,706
	\$	1,897	15,523	349,776	25,964	593,160
TOTAL	Tons	380,309	398,577	1,497,500	193,113	2,469,499
	\$	1,896,525	2,776,563	11,157,387	1,272,893	17,103,168
<u>1 9 3 7</u>						
Coke and Gas Industry	Tons	451,799	401,323	1,504,334	212,929	2,570,385
	\$	2,652,431	2,895,611	11,522,965	1,395,061	18,466,068
Petroleum Refining Industry.	Tons	373	2,246	56,556	2,840	62,015
	\$	1,504	8,499	357,078	13,059	580,140
TOTAL	Tons	452,172	403,569	1,560,890	215,769	2,632,400
	\$	2,653,935	2,904,110	11,880,043	1,408,120	18,846,208

Table 26 - APPARENT CONSUMPTION OF COKE (including Petroleum Coke) IN CANADA, BY PROVINCES, 1935 - 1937.

	P.E.I., N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and Br. Columbia	CANADA	
	(short tons)					
Apparent Consumption - 1933		229,557	363,356	1,813,755	191,240	2,597,888
1934		253,057	421,649	2,171,231	215,368	3,061,305
1935		532,577	424,529	2,052,985	200,449	2,990,540
<u>1 9 3 6</u>						
Production		380,309	398,577	1,497,500	193,113	2,469,499
Add - Declines in producers' stocks		56	57,778	19,892	18,675	96,401
Add - Imports entered for consumption		380,365	456,355	1,517,392	211,788	2,565,900
Deduct - Exports and re-exports		5,197	48,212	658,210	19,272	730,801
Apparent Consumption		385,472	504,567	2,175,602	231,060	3,296,701
		624	4,270	31,949	17,035	53,878
		384,848	500,297	2,143,653	214,025	3,242,823
<u>1 9 3 7</u>						
Production		452,172	403,569	1,560,890	215,769	2,632,400
Add - Declines in producers' stocks	10,564	28,677	..	39,241
Deduct - Surpluses in producers' stocks		452,172	414,133	1,589,567	215,769	2,671,641
		875	..	..	2,796	3,671
Add - Imports entered for consumption		451,297	414,133	1,589,567	212,973	2,667,970
		7,061	69,005	500,424	15,350	591,858
Deduct - Exports and re-exports		458,358	483,136	2,089,991	228,323	3,259,808
		239	5,397	45,399	35,971	86,916
Apparent Consumption		458,119	477,829	2,044,592	192,352	3,172,892

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

Table 27 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL AREAS, 1934 - 1936.

	P.E.I., N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and Br. Columbia	CANADA
	(short tons)				
1 9 3 4					
Furnace charges	157,977	14,761	490,266	87,114	750,118
Manufacturing material	208	87,870	106,697	3,739	198,514
Industrial fuel	47,404	46,682	188,691	42,725	325,502
Available for domestic use (by difference) ...	47,468	272,336	1,385,577	81,790	1,787,171
APPARENT CONSUMPTION	253,057	421,649	2,171,231	215,368	3,061,305
1 9 3 5					
Furnace charges	240,785	16,563	577,200	88,131	922,679
Manufacturing material	229	79,419	132,455	4,435	216,538
Industrial fuel	32,036	53,633	265,333	35,754	386,756
Available for domestic use (by difference) ...	59,527	274,714	1,057,997	72,129	1,464,367
APPARENT CONSUMPTION	332,577	424,329	2,032,985	200,449	2,990,340
1 9 3 6					
Furnace charges	300,129	20,718	652,353	76,793	1,049,993
Manufacturing material	281	101,343	141,635	27,688	270,947
Industrial fuel	34,032	46,528	247,621	17,416	345,397
Available for domestic use (by difference) ...	50,406	331,908	1,102,044	92,128	1,576,486
APPARENT CONSUMPTION	384,848	500,297	2,143,653	214,025	3,242,823

- NOTES - 1. Figures showing the tonnage of coke available for domestic use 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 shipments of coke.
 4. Consumption figures for 1937 are not yet available.

Table 28 - CONSUMPTION OF COKE AS INDUSTRIAL FUEL IN THE MANUFACTURING AND MINING INDUSTRIES, 1934 - 1936.

Areas	1 9 3 4	1 9 3 5	1 9 3 6
	(short tons)		
Maritime Provinces	47,404	32,036	34,032
Quebec	46,682	53,633	46,328
Ontario	188,691	265,333	247,621
Western provinces	42,725	35,754	17,416
CANADA	325,502	386,756	345,397

Table 29 - COKE CHARGED TO BLAST FURNACES AND FOUNDRY CUPOLAS, ETC., 1934 - 1936.

Areas	1 9 3 4	1 9 3 5	1 9 3 6
	(short tons)		
Maritime Provinces	157,977	240,785	300,129
Quebec	14,761	16,563	20,718
Ontario	490,266	577,200	652,353
Western provinces	87,114	88,131	76,793
CANADA	750,118	922,679	1,049,993

Table 30 - COKE USED AS A MATERIAL(x) IN MANUFACTURING (except charges to blast furnaces, etc.) 1934 - 1936.

Areas	1 9 3 4	1 9 3 5	1 9 3 6
	(short tons)		
Maritime Provinces	208	229	281
Quebec	87,870	79,419	101,343
Ontario	106,697	132,455	141,635
Western provinces	3,739	4,435	27,688
CANADA	198,514	216,538	270,947

(x) In making carbon electrodes, water gas, artificial abrasives, etc.

Table 31 - SALES OF PETROLEUM COKE IN CANADA FOR FUEL PURPOSES, 1932 - 1936. (From "Petroleum Fuels in Canada" issued by the Bureau of Mines, Ottawa)

Areas and Year	Fuel for domestic heating(1)	Fuel for industrial heating(2)	T O T A L	Inventory on December 31, including stocks at refineries
	(short tons)			
1932	57,634	36,189	93,823	42,023
1933	54,652	27,571	82,203	33,876
1934	39,200	17,555	56,755	48,169
1935	63,413	16,476	79,889	85,144(3)
1936 - Maritimes	404	6	410	38
Quebec	258	1,708	1,966	28,914
Ontario	36,030	593	36,623	58,412
Western provinces	1,681	5,016	6,697	1,298
CANADIAN	36,687	7,263	43,950	27,481
IMPORTED	1,686	60	1,746	61,181
TOTAL FOR 1936	38,373	7,323	45,696	88,662

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

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

(3) Revised.

Table 32 - PRODUCTION AND SALES OF MANUFACTURED GAS, 1929 - 1937.

Year	Production (xx) M cu.ft.	From by-product and gas plants		Production of still gas from petroleum re- fineries M cu.ft.	
		S A L E S			
		Quantity M cu.ft.	Income from sales \$		
1929	58,925,086	17,649,371	15,316,684	3,140,187	
1930	35,927,532	17,713,477	13,471,629	3,529,519	
1931	30,542,961	17,111,432	13,010,733	5,161,905	
1932	27,264,587	17,083,631	12,895,039	3,836,413	
1933	29,125,295	15,893,248	11,829,545	3,505,405	
1934	40,125,201	15,409,927	15,766,750	3,772,746	
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	5,779,059(x)	

(xx) Does not include some blast furnace and producers' gas which is recovered and used by the producers but for which no records are available.

(x) Preliminary - subject to revision.

Table 33 - PRODUCTION OF NATURAL GAS, BY PROVINCES, 1936 and 1937.

Province	1 9 3 6		1 9 3 7 (x)	
	M cu.ft.	Value	M cu.ft.	Value
New Brunswick	606,246	298,819	576,671	293,922
Ontario	10,006,743	6,052,294	11,504,502	6,902,701
Manitoba	600	180	600	180
Saskatchewan	90,879	33,985	90,925	34,018
Alberta	17,407,820	4,376,720	17,425,000	4,517,666
Northwest Territories	1,100	245	1,500	335
TOTAL	28,113,348	10,762,243	29,599,198	11,738,822

(x) Subject to revision.

Table 34 - SALES OF MANUFACTURED GAS, NUMBER OF CUSTOMERS and MILEAGE OF PIPE LINES, 1937.

Areas	No. of custom- ers	No. of active meters	GAS	SALES	Mileage of pipe lines	Approximate population served by mains
	M cu. ft.	\$	M cu. ft.	\$	line	
Eastern provinces	192,980	220,798	4,977,258	5,586,403	981	1,571,000
Ontario	220,226	212,417	8,493,068	7,199,917	1,964	1,202,594
Western provinces	63,759	68,462	1,819,515	1,946,211	784	506,267
TOTAL	476,965	501,677	15,289,839	14,732,531	3,729	3,279,661

Table 35 - PRODUCTION OF CRUDE COAL TAR, BY PROVINCES, 1935 - 1937.

Province	1933	1934	1935	1936	1937
(Imperial gallons)					
Nova Scotia and New Brunswick.	2,857,191	3,627,952	4,739,689	5,495,946	6,357,281
Quebec	3,138,508	4,035,935	3,790,498	3,807,070	3,651,294
Ontario	14,075,641	17,020,066	16,037,490	16,470,215	16,535,960
Manitoba	335,473	334,840	327,679	330,314	410,161
British Columbia	885,809	121,988	791,134	700,893	854,871
CANADA	21,292,622	25,840,781	25,686,490	26,804,438	27,789,567

Table 36 - PRODUCTION, IMPORTS AND EXPORTS OF AMMONIUM SULPHATE, 1929 - 1937.

Year	PRODUCTION (x)		IMPORTS		EXPORTS	
	Short tons	\$	Short tons	\$	Short tons	\$
1929	34,141	1,293,953	1,723	80,019	24,489	909,510
1930	23,893	936,417	3,423	137,607	12,010	386,710
1931	28,354	706,197	12,830	369,254	5,627	167,477
1932	57,770	983,077	13,811	280,026	38,741	701,707
1933	82,534	1,437,749	4,156	100,415	62,383	1,081,392
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	148,956	83,855	1,802,818
1937	87,621	1,782,364	3,230	82,440	56,485	1,212,258

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

Table 37 - GENERAL RATES FOR MANUFACTURED GAS IN CANADIAN TOWNS AND CITIES, 1937.

Towns or Cities	Per M cu.ft. Gross	APPROXIMATE		RATE
		Discount	Service charge	
Halifax, N.S.	2.00 - 1.10	10 cents per M		-
Saint John, N.B.	1.80 - 1.45	10 cents per M	60 cents per month.	
Quebec, P.Q.	1.66 - 0.90	10 per cent		-
Sherbrooke, P.Q.	1.35 - 1.00	10 per cent		(x)
Montreal, P.Q.	1.17 - 0.50	10 per cent	14 to 55 cents per meter per month.	
Barrie, Ont.	2.00	10 per cent	75 cents per month.	
Belleville, Ont.	1.60 - 1.00	10 cents penalty	50 cents per month.	
Brockville, Ont.	1.50	10 per cent		(x)
Guelph, Ont.	0.65 - 0.40	10 per cent penalty		(x)
Kingston, Ont.	1.38 - 1.00	10 per cent	33 cents per month meter rent.	
Toronto, Ont.	1.00 - 0.72	10 cents per M	50 cents per month.	
Cobourg, Ont.	2.20 - 1.65	10 per cent	55 cents per month.	
Oshawa, Ont.	1.45 - 0.65	(x)		(x)
Whitby, Ont.	1.50 - 1.05	10 cents penalty		(x)
Bowmanville, Ont.	1.50 - 1.05	10 cents penalty		(x)
Peterborough, Ont.	1.45 - 1.00	10 per cent	45 cents per month.	
Kitchener, Ont.	0.95 - 0.75	(x)		(x)
Waterloo, Ont.	1.20 (net)	(x)		(x)
Ottawa, Ont.	1.36 - 1.00	10 cents per M	50 cents per month.	
Port Hope, Ont.	2.50	(x)	\$1.20 per year	
Owen Sound, Ont.	1.35 - 1.10	10 per cent	19 cents per month meter rent.	
Stratford, Ont.	1.72 - 1.11	10 per cent	25 cents per month.	
Hamilton, Ont.	0.80 - 0.40	5 to 15 cents per M		(x)
Sault Ste. Marie, Ont.	1.70 - 0.50	(x)		(x)
Brandon, Man.	2.10 - 1.39	10 per cent penalty		(x)
Winnipeg, Man.	1.50 - 0.95	10 cents per M		-
Nelson, B.C.	2.25 - 1.25	25 cents per M		(x)
Vancouver, B.C.	1.25 - 1.15 (net)	(x)		(x)
New Westminster, B.C.)	15 cents above Vancouver			
Burnaby, B.C.)				
Victoria, B.C.	1.00 - 1.75	(x)	25 cents per month meter rent	

(x) Not mentioned on report.

Table 38 - IMPORTS OF COKE INTO CANADA, BY PORTS OF ENTRY, 1936 and 1957.

(Tons of 2,000 pounds)

Port	Source	1936				1957			
		Made from Coal	Made from Petroleum	Made from Coal	Made from Petroleum	Made from Coal	Made from Petroleum	Made from Coal	Made from Petroleum
PRINCE EDWARD ISLAND .....	-	...	...	...	...	...	...	...	...
NOVA SCOTIA -									
Bridgewater	United States	28	...	...	...	...	...	...	...
Halifax	Great Britain	4,595	...	2,465	...	...	...	...	...
	Germany	2,151	...	8,281	...	...	...	...	...
New Glasgow	United States	462	...	819	64	...	...	...	...
TOTAL - NOVA SCOTIA		7,254	...	12,515	64	...	...	...	...
NEW BRUNSWICK -									
Bathurst	United States	24	...	...	...	...	...	...	...
TOTAL - NEW BRUNSWICK		24	...	...	...	...	...	...	...
QUEBEC -									
Chicoutimi	United States	108	22,797	4,575	29,146	...	...	...	...
Montreal	United States	2,133	1,888	1,352	...	...	...	...	...
	Germany	19,660	...	...	...	...	...	...	...
Quebec	United States	159	...	212	...	...	...	...	...
Rock Island	United States	19	...	...	...	...	...	...	...
Shawinigan Falls	United States	509	535	822	285	...	...	...	...
Sherbrooke	United States	...	...	79	...	...	...	...	...
Sutton	United States	1	...	...	...	...	...	...	...
Three Rivers	United States	...	10,610	7,442	11,985	...	...	...	...
	Great Britain	3,588	...	...	...	...	...	...	...
TOTAL - QUEBEC		25,777	55,628	14,282	41,414	...	...	...	...
ONTARIO -									
Amherstburg	United States	8,348	...	10,595	...	...	...	...	...
Belleville	United States	1,192	...	710	.62	...	...	...	...
Bowmanville	United States	399	...	294	...	...	...	...	...
Brantford	United States	9,398	52	7,757	71	...	...	...	...
Brockville	United States	217	...	...	...	...	...	...	...
Chatham	United States	7,109	50	10,827	58	...	...	...	...
Cobourg	United States	476	...	585	...	...	...	...	...
Collingwood	United States	230	...	124	...	...	...	...	...
Cornwall	United States	26	...	...	...	...	...	...	...
Fort Erie	United States	4,289	...	1,551	...	...	...	...	...
Fort Frances	United States	115	59	28	...	...	...	...	...
Galt	United States	4,025	...	2,512	18	...	...	...	...
Gananoque	United States	67	52	...	...	...	...	...	...
Goderich	United States	1,119	...	177	...	...	...	...	...
Guelph	United States	6,997	...	4,275	65	...	...	...	...
Hamilton	United States	10,956	121	15,581	554	...	...	...	...
Ingersoll	United States	462	...	564	...	...	...	...	...
Kingston	United States	1,297	...	1,495	...	...	...	...	...
Kitchener	United States	5,452	151	5,887	198	...	...	...	...
Lindsay	United States	888	...	679	...	...	...	...	...
London	United States	19,382	1,619	10,517	499	...	...	...	...
Midland	United States	2,454	...	5,096	25	...	...	...	...
Morrisburg	United States	3	...	29	...	...	...	...	...
Napanee	United States	76	...	50	...	...	...	...	...
Niagara Falls	United States	18,672	364	11,752	7,207	...	...	...	...
North Bay	United States	476	...	597	...	...	...	...	...
Orillia	United States	932	...	1,572	...	...	...	...	...
Oshawa	United States	6,592	...	815	...	...	...	...	...
Ottawa	United States	1,018	...	898	...	...	...	...	...
Owen Sound	United States	12,152	...	7,414	...	...	...	...	...
Paris	United States	73	27	74	...	...	...	...	...
Peterborough	United States	995	...	759	3	...	...	...	...
Picton	United States	124	...	...	...	...	...	...	...
Port Hope	United States	956	96	994	...	...	...	...	...
St. Catharines	United States	14,344	9,466	10,407	6,981	...	...	...	...

Table 38 - IMPORTS OF COKE INTO CANADA, BY PORTS OF ENTRY, 1936 and 1937. (concluded)

Port	Source	1 9, 3 6		1 9, 3 7	
		Made from Coal	Made from Petroleum	Made from Coal	Made from Petroleum
ONTARIO - (concluded) -					
St. Thomas	United States	11,484	151	7,439	167
Sarnia	United States	8,278	...	5,530	...
Sault Ste. Marie	United States	58	...	...	...
Simcoe	United States	432	...	257	...
Stratford	United States	3,260	...	1,941	34
Sudbury	United States	36	...	...	...
Tillsonburg	United States	522	...	211	...
Toronto	United States	189,464	223	70,769	106
Trenton	United States	99	27	7,464	...
Wallaceburg	United States	2,984	...	4,116	...
Welland	United States	112,611	38,893	77,746	60,760
Whitby	United States	37	...	...	...
Windsor	United States	66,300	1,014	71,681	825
Woodstock	United States	1,693	81	1,394	153
Fort William	United States	22,523	...	17,328	...
Port Arthur	United States	20	...	23	...
TOTAL - ONTARIO		561,119	52,406	376,090	77,582
MANITOBA -					
Brandon	United States	52	...	...	...
Emerson	United States	...	...	20	...
Cretna	United States	108	...	79	...
Winnipeg	United States	15,267	...	13,010	...
TOTAL - MANITOBA		15,427	...	13,109	...
SASKATCHEWAN -					
Regina	United States	...	...	35	...
TOTAL - SASKATCHEWAN .....		...	...	35	...
ALBERTA					
BRITISH COLUMBIA -		...	...	...	...
Nelson	United States	...	45	...	...
New Westminster	United States	...	146	66	191
Great Britain		70	...	...	...
Trail	United States	...	45	28	...
Vancouver	United States	104	322	16	242
Great Britain		1,420	...	302	...
Germany		738	...	...	...
Belgium		562	...	...	...
Victoria	United States	...	10	...	10
Great Britain		383	...	1,182	...
Belgium .....		...	...	108	...
TOTAL - BRITISH COLUMBIA		3,277	568	1,702	443
CANADA from - Great Britain					
United States		9,854	...	3,949	...
Germany		579,893	88,602	404,445	119,503
Belgium		22,549	...	9,231	...
Belgium		562	...	108	...
TOTAL - CANADA		612,858	88,602	417,733	119,503

Table 39 - EXPORTS OF CANADIAN COKE, BY PORTS OF EXIT, 1936 and 1937.

(Tons of 2,000 pounds)

	1 9	3 6	1 9	3 7
	Made from Coal	Made from Petroleum	Made from Coal	Made from Petroleum
PRINCE EDWARD ISLAND .....	...	...	...	...
NOVA SCOTIA -				
Halifax .....	...	89	...	45
North Sydney	76	...	4	...
Sydney	448	...	184	...
TOTAL - NOVA SCOTIA	524	89	188	45
NEW BRUNSWICK -				
McAdam Junction .....	...	...	1	...
Woodstock	11	...	5	...
TOTAL - NEW BRUNSWICK	11	...	6	...
QUEBEC -				
Coaticook	110	...	292	...
Huntingdon	86	637	31	1,560
Lake Megantic	252	...	300	...
Montreal	75	...	75	...
St. Johns .....	...	5,092	1	2,979
Sutton	30	...	69	...
TOTAL - QUEBEC	551	3,719	768	4,539
ONTARIO -				
Fort Erie .....	...	3,141	...	4,832
Niagara Falls .....	...	7,554	...	7,461
Sault Ste. Marie	94	...	26	...
St. Catharines .....	...	45	...	90
TOTAL - ONTARIO	94	10,740	26	12,383
MANITOBA -				
Emerson	9	...	3	...
TOTAL - MANITOBA	9	...	3	...
SASKATCHEWAN .....	...	...	...	...
ALBERTA -				
Coutts .....	...	...	21	...
Lethbridge	21	...	...	...
TOTAL - ALBERTA	21	...	21	...
BRITISH COLUMBIA -				
Cranbrook	16,556	...	26,969	...
Fernie	30	...	...	...
New Westminster	119	...	719	...
Vancouver	300	...	7,953	...
Victoria .....	...	...	306	...
TOTAL - BRITISH COLUMBIA	17,005	...	35,947	...
CANADA - TOTAL	18,215	14,548	36,959	16,967
RE-EXPORTS .....	...	21,115	...	32,990

Table 40 - SUMMARY OF COKE-MAKING and GAS-MAKING EQUIPMENT, 1937.

Type of ovens, retorts, etc.	IN	USE	IN RESERVE OR IDLE		TOTAL	
	Number	Annual Capacity	Number	Annual Capacity	Number	Annual Capacity
		(Capacity given in tons of coal carbonized)				
Bee-hive ovens	212	162,500	1,072	525,000	1,284	687,500
By-product ovens	458	2,575,127	150	775,000	608	3,350,127
Vertical gas retorts	154	264,552	66	60,650	220	325,202
Horizontal gas retorts	300	133,843	24	9,410	324	143,253
Water gas sets	17	...	20	...	37	...
Producers	15	...	11	...	26	...

DIRECTORY OF FIRMS IN THE COKE AND GAS INDUSTRY, 1937.

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)

1. COKE PLANTS

(a) By-Product

Dominion Steel and Coal Corp. Ltd.,
Sydney, N.S.

In Use - 120 Koppers horizontal ovens (360,000 tons);
In Reserve or Idle - 60 Koppers horizontal ovens (180,000 tons).

Montreal Coke & Manufacturing Co., (Montreal Light, Heat & Power Consolidated), (3)
Montreal, P.Q.

In Use - 59 Koppers Becker type horizontal ovens (560,275 tons); 2 Koppers Kerpely Ring type producers (6,351,000 M cu.ft.);
In Reserve or Idle - 2 Koppers Kerpely ring type producers (6,351,000 M cu.ft.); 5 Water Gas sets (8,000,000 M cubic feet).

Algoma Steel Corporation Ltd., (Great Northern Gas Co. Ltd.)(3),
Sault Ste. Marie, Ont.

In Use - 103 Wilputte ovens (660,000 tons) and 55 Koppers ovens (355,000 tons).

Hamilton By-Product Coke Ovens, Ltd., (United Gas & Fuel Co. Ltd.) (3)
Hamilton, Ont.

In Use - 25 Semet-Solvay ovens (175,000 tons), and 35 Wilputte ovens (240,000 tons).

Ottawa Gas Co., (3)
Ottawa, Ont.

In Use - 18 vertical ovens, intermittent type (37,500 tons) underfired by built-in producers;
In Reserve or Idle - 1 water gas set (365,000 M cu.ft.).

Steel Company of Canada, Limited,
Hamilton, Ont.

In Use - 80 Wilputte ovens (641,232 tons).

Winnipeg Electric Company (3)
Winnipeg, Man.

In Use - 17 Koppers Becker type horizontal ovens (84,500 tons); 1 Kopper Kerpely producer for heating benches;
In Reserve or Idle - 1 Western Gas Improvement Co. water gas set (1,460,000 M cu.ft.).

B. C. Electric Power & Gas Co. Ltd., (2) (3)
Vancouver, B.C.

In Use - 36 vertical Chamber ovens (56,620 tons); 5 external mechanical producers for chamber oven plants;
In Reserve or Idle - 64 Glover West continuous vertical retorts (57,000 tons); 8 internal step grate producers for continuous vertical plant; 2 water gas generators (1,095,000 M cu.ft.).

NOTE - Names of gas distributing companies in brackets.

(2) Indicates carburetted water gas was distributed.

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

DIRECTORY OF FIRMS IN THE COKE AND GAS INDUSTRY, 1957. (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>
<p>1. COKE PLANTS (concluded)</p>	
	(b) Bee-hive
International Coal & Coke Co. Ltd., Coleman, Alberta	<u>In Use</u> - 104 bee-hive ovens (109,500 tons).
Crows Nest Pass Coal Co. Ltd., Michel, B.C.	<u>In Use</u> - 108 bee-hive ovens (55,000 tons); <u>In Reserve or Idle</u> - 1,072 bee-hive ovens (525,000 tons).
<p>2. ILLUMINATING AND FUEL GAS PLANTS</p>	
	(a) Retort coal gas and carburetted water gas.
Nova Scotia Light & Power Co. Ltd. (1) Halifax, N.S.	<u>In Use</u> - 12 Glover-West continuous vertical retorts (18,000 tons).
New Brunswick Power Company (1) Saint John, N.B.	<u>In Use</u> - 12 Russell horizontal retorts (3,109 tons); <u>In Reserve or Idle</u> - 6 Russell horizontal retorts (1,550 tons).
City of Sherbrooke Gas and Electricity Dept. (2) Sherbrooke, P.Q.	<u>In Use</u> - Western Gas water gas set (146,000 M cu.ft.); <u>In Reserve or Idle</u> - 1 Western Gas water gas set (146,000 M cu.ft.).
Quebec Power Company (Gas Division) (1) Quebec, P.Q.	<u>In Use</u> - 12 Woodall-Duckham vertical continuous retorts (25,300 tons); <u>In Reserve or Idle</u> - 1 Western Gas water gas set and 2 U.G.I. water gas sets.
Barrie Water, Light & Gas Commission (2) Barrie, Ont.	<u>In Use</u> - 1 vertical water gas set. <u>In Reserve or Idle</u> - 1 vertical water gas set.
Board of Light & Heat Commission (1) Guelph, Ont.	<u>In Use</u> - 6 Glover-West vertical continuous retorts (9,000 tons); <u>In Reserve or Idle</u> - 2 Glover-West vertical ovens (3,650 tons) and 2 Shell Lowe water gas sets (528,500 M cu.ft.).
Brockville Public Utilities Commission (2) Brockville, Ont.	<u>In Use</u> - 2 water gas sets (81,250 M cu.ft.)
Consumers Gas Company of Toronto (1) (2) 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.
Hydro Electric Power Commission, Ontario, (1) Cobourg, Ont.	<u>In Use</u> - 9 horizontal retorts (1,004 tons).
Belleville Public Utilities Commission (1) Belleville, Ont.	<u>In Use</u> - 4 Glover-West continuous vertical retorts (5,900 tons).
Ontario Shore Gas Co. Ltd. (2) Oshawa, Ont.	<u>In Use</u> - 2 water gas sets.
Peterborough Utilities Commission (2) Peterborough, Ont.	<u>In Use</u> - 1 Merrifield Pearson water gas set (300,000 M cu.ft.); <u>In Reserve or Idle</u> - 1 Merrifield Pearson water gas set (300,000 M cu.ft.).



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DIRECTORY OF FIRMS IN THE COKE AND GAS INDUSTRY, 1937. (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).

2. ILLUMINATING AND FUEL GAS PLANTS (concluded)

(a) Retort coal gas and carburetted water gas

Port Hope Gas Co. Ltd. (1)
Port Hope, Ont.

In Use - 4 horizontal gas retorts (400 tons);
In Reserve or Idle - 6 horizontal gas retorts (500 tons)

Public Utilities Commission (2)
Kingston, Ont.

In Use - 1 Merrifield-Westcott water gas set (90,000 M cu.ft.);
In Reserve or Idle - 1 Merrifield-Westcott water gas set (70,000 M cu.ft.).

Public Utilities Commission (1) (2)
Kitchener, Ont.

In Use - 3 horizontal retorts (5,790 tons); 1 water gas set (219,000 M cu.ft.);
In Reserve or Idle - 2 horizontal retorts (3,360 tons); 1 water gas set (219,000 M cu.ft.).

Public Utilities Commission (1)
Owen Sound, Ont.

In Use - 12 horizontal retorts (2,420 tons)

Public Utility Commission (1)
Stratford, Ont.

In Use - 12 horizontal retorts (5,000 tons);
In Reserve or Idle - 6 horizontal retorts (2,500 tons).

Manitoba Power Commission (1)
Brandon, Man.

In Use - 12 Russell Mfg. Co. retorts (1,400 tons);
12 Kerr-Murray retorts (1,300 tons).

Victoria Gas Company, Ltd. (1) (2)
Victoria, B.C.

In Use - 16 Glover-West vertical retorts (16,352 tons);
In Reserve or Idle - 1 Humphrey & Glasgow water gas set (182,500 M cu.ft.).

Corporation City of Nelson (1)
Nelson, B.C.

In Use - 4 horizontal retorts (1,000 tons);
In Reserve or Idle - 4 horizontal retorts (1,000 tons)

NOTE - (1) Indicates that retort coal gas was distributed to customers.
(2) Indicates that carburetted water gas was distributed.
