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CONSUMPTION OF COKE IN CANADA, 1944

The apparent consumption of coke in Canada during 1944 amounted to 4,929,919 tons compared with 4,702,837 tons in 1943.

Production of coke (including petroleum coke and pitch coke) during 1944 totalled 4,104,294 tons and imports entered for consumption amounted to 1,035,322 tons, making a total supply of 5,139,616 tons. However, exports and re-exports totalled 69,687 tons and producers' and dealers' stocks increased 140,010 tons, leaving 4,929,919 tons as the quantity made available for use in Canada during the year. The distribution of this tonnage, by areas, was as follows: Maritimes, 570,540 tons; Quebec 719,762 tons; Ontario 3,368,666 tons; and the Western Provinces 270,951 tons. This calculation does not take into consideration any inter-provincial shipments of coke or any changes in stocks held by users as complete records are not available concerning such movements.

Actual consumption records, as compiled from the Census of Industry reports for 1944 show that 2,250,294 tons of coke were used in blast furnaces and cupolas; 671,594 tons were used as raw materials in manufacturing, and 487,752 tons were used as fuel in manufacturing, mining and smelting industries. Thus a total of 3,409,640 tons has been accounted for and the difference of 1,520,279 tons must represent the quantity available for use as domestic fuel or in commercial establishments, such as retail stores, repair shops, warehouses, etc., which are not covered by the Industrial Census. The distribution by areas of the latter figure (mostly domestic consumption) was as follows: Maritimes 127,752 tons; Quebec 245,043 tons; Ontario 1,048,150 tons, and the Western Provinces 99,334 tons. Here, again, no allowance has been made for interprovincial shipments.

Coke charged to smelting furnaces and cupolas during 1944 amounted to 2,250,294 tons, of which 1,687,967 tons were used in iron blast furnaces, 4,685 tons in steel furnaces, 69,160 tons in ferro-alloy furnaces, 340,152 tons in furnaces used for smelting of non-ferrous ores, 4,655 tons in brass foundries, and 143,675 tons in foundry cupolas. The consumption, by districts, was as follows: Maritimes 407,131 tons; Quebec 48,584 tons; Ontario 1,721,222 tons, and the Western Provinces 73,357 tons.

Coke used as a raw material in manufacturing in 1944 totalled 671,594 tons, of which 327,787 tons were used in the manufacture of calcium carbide; 8,608 tons in making carbon dioxide; 95,248 tons in making illuminating and fuel gas; 56,616 tons in making artificial abrasives; 173,836 tons in the manufacture of carbon electrodes, and 136,253 tons in the manufacture of rock wool. Plants in Ontario used 318,885 tons; in Quebec 311,837 tons, and in the Western Provinces 40,872 tons.

Table 1 - PRODUCTION OF COKE IN CANADA, 1944

		P.E.I., N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CANADA
Coke and gas indus-	ton	588,338	505,601	2,626,186	297,571	4,017,696
try	\$	4,946,366	5,015,601	25,489,173	2,329,018	37,780,158
Petroleum refining	ton	300	3,337	67,364	1,808	72,809
industry	\$	841	20,021	484,756	12,545	518,163
Coal tar refining	ton	3,856	987	8,311	635	13,789
industry	\$	31,658	9,333	60,925	6,403	108,319
TOTAL	ton	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

Table 2 - APPARENT CONSUMPTION OF COKE IN CANADA, BY PROVINCES, 1944 (Short tons)

	P.E.I., N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CANADA
Production	592,494	509,925	2,701,861	300,014	4,104,294
Add declines or deduct increases 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 declines or deduct increases in dealers' stocks	-2,956	-4,325	-50,772	+ 47	-58,006
	575,499	489,978	2,612,869	285,938	3,964,284
Add imports entered for consumption	148	231,767	779,080	24,327	1,035,322
	575,647	721,745	3,391,949	310,265	4,999,606
Deduct exports and re- exports	5,107	1,983	23,283	39,314	69,687
APPARENT CONSUMPTION...	570,540	719,762	3,368,666	270,951	4,929,919

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

Table 3 - CONSUMPTION OF COKE IN CANADA IN SMELTING FURNACES AND CUPOLAS, BY INDUSTRIES, 1944

Industry		P.E.I. N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CANADA
Pig iron, ferro- alloys, steel ingots and steel castings..	ton	400,769	5,376	1,354,588	1,079	1,761,812
	\$	3,054,528	54,093	13,099,236	14,319	16,222,176
Iron castings	ton	1,057	15,106	40,631	5,682	62,476
	\$	19,229	244,744	671,829	97,649	1,033,451
Heating and cooking apparatus	ton	1,537	1,607	6,093	586	9,873
	\$	30,250	24,976	105,125	12,637	172,988
Boilers, tanks and platework	ton	190	4,408	5,496	...	10,094
	\$	3,581	72,334	95,313	...	171,228

Table 3 - CONSUMPTION OF COKE IN CANADA IN SMELTING FURNACES AND CUPOLAS, BY INDUSTRIES, 1944 (Concluded)

Industry		P.E.I. N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CANADA
Farm implements and machinery	ton	...	235	7,409	85	7,727
	\$	...	3,319	133,430	2,250	138,999
Machinery	ton	86	5,046	6,088	1,748	12,968
	\$	1,361	79,880	106,577	24,226	212,044
Railway rolling stock	ton	2,835	10,488	11,554	5,768	30,645
	\$	55,497	156,478	197,537	122,285	531,797
Automobile parts	ton	...	3	9,125	...	9,128
	\$	...	75	165,299	...	165,374
Other iron and steel.	ton	283	...	102	379	764
	\$	2,761	...	1,378	9,076	13,215
Non-ferrous metal-lurgical works	ton	...	4,908	277,450	57,794	340,152
	\$	...	66,977	3,516,626	615,809	4,199,412
Brass foundries	ton	324	1,409	2,636	236	4,655
	\$	5,814	18,746	34,694	4,322	63,576
TOTAL	ton	407,131	48,534	1,721,222	73,357	2,250,294
	\$	3,173,021	721,622	18,127,044	902,573	22,924,260

Table 4 - CONSUMPTION OF COKE IN CANADA AS MANUFACTURING MATERIAL(x), BY INDUSTRIES, 1944

Industry		P.E.I. N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CANADA
Acids, alkalies and salts	ton	...	116,925	183,243	27,619	327,787
	\$	...	1,456,967	2,131,481	305,420	3,893,868
Compressed gases ...	ton	...	3,503	2,944	2,161	8,608
	\$	...	60,363	36,841	26,348	123,552
Artificial abrasives	ton	...	26,242	30,374	...	56,616
	\$	...	412,834	369,049	...	781,883
Coke and gas	ton	...	12,884	71,272	11,092	95,248
	\$	...	131,683	603,438	65,533	800,704
Miscellaneous non-metallic mineral products (carbon electrodes and foundry facings) ..	ton	...	150,267	23,569	...	173,836
	\$	...	3,550,194	225,292	...	3,775,486
Stone products (rock wool)	ton	...	2,016	7,483	...	9,499
	\$	...	29,313	106,940	...	136,253
TOTAL	ton	...	311,837	318,885	40,872	671,594
	\$	...	5,641,354	3,473,041	397,351	9,511,746

(x) For making calcium carbide, carbon dioxide, artificial abrasives, water gas, carbon electrodes, foundry facings, rock wool, etc.

Table 5 - CONSUMPTION OF COKE IN CANADA AS INDUSTRIAL FUEL IN THE MANUFACTURING AND MINING INDUSTRIES, 1944

Industry		P.E.I. N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CANADA
<u>Manufacturing</u>						
Chemicals and allied products	ton	46	2,076	2,829	303	5,254
	\$	566	23,717	31,313	4,315	59,911
Iron and steel and their products	ton	16,578	8,750	51,809	7,018	84,155
	\$	79,485	109,783	294,046	97,380	581,194
Non-ferrous metal products (excluding smelters)	ton	...	3,576	17,670	148	21,394
	\$	...	45,690	209,601	4,165	259,456
Non-metallic mineral products (excluding cement, lime, clay and salt)	ton	8,360	85,596	130,445	44,225	268,626
	\$	54,848	750,679	771,342	299,217	1,876,086
Animal products	ton	84	876	11,105	399	12,464
	\$	1,175	9,293	57,600	4,146	72,214
Textile products	ton	50	648	567	7	1,272
	\$	675	8,916	6,714	86	16,391
Vegetable products	ton	9,260	11,129	22,553	3,826	46,768
	\$	114,681	134,999	290,585	43,379	583,644
Wood and paper products.	ton	134	963	1,603	105	2,805
	\$	1,730	10,766	17,388	1,399	31,293
Miscellaneous products..	ton	...	294	194	12	500
	\$	...	3,674	2,610	157	6,441
Total Manufacturing Industries	ton	34,512	113,908	238,775	56,043	443,238
	\$	253,160	1,097,517	1,681,199	454,744	3,486,620
<u>Mining Industries</u>						
	ton	1,145	390	41,634	1,345	44,514
	\$	9,268	4,891	297,055	17,087	328,301
TOTAL	ton	35,657	114,298	280,409	57,388	487,752
	\$	262,428	1,102,408	1,978,254	471,831	3,814,921

Table 6 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL USES, 1942-1944

	P.E.I. N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CANADA
	(short tons)				
<u>1 9 4 2</u>					
Furnace charges	510,725	49,312	1,763,242	93,722	2,417,001
Manufacturing material..	...	298,191	273,354	62,695	634,240
Industrial fuel	36,441	53,980	285,675	21,736	397,832
Available for other uses (mostly domestic)	94,712	300,022	449,373	112,943	957,050
APPARENT CONSUMPTION..	641,878	701,505	2,771,644	291,096	4,406,123
<u>1 9 4 3</u>					
Furnace charges	395,885	47,895	1,710,724	90,560	2,245,062
Manufacturing material..	...	423,107	328,128	70,404	821,639
Industrial fuel	35,878	60,443	284,987	21,974	403,282
Available for other uses (mostly domestic)	126,225	286,984	705,147	114,528	1,232,884
APPARENT CONSUMPTION..	557,986	818,429	3,028,986	297,466	4,702,837

Table 6 - ANALYSIS OF COKE CONSUMPTION IN CANADA, BY PRINCIPAL USES, 1942-1944
(Concluded)

	P.E.I. N.S. and N.B.	Quebec	Ontario	Man., Sask., Alberta and B.C.	CANADA
	(short tons)				
<u>1 9 4 4</u>					
Furnace charges	407,131	48,584	1,721,222	73,357	2,250,294
Manufacturing material..	...	311,837	318,885	40,872	671,594
Industrial fuel	35,657	114,298	280,409	57,388	487,752
Available for other uses (mostly domestic)	127,752	245,043	1,048,150	99,334	1,520,279
APPARENT CONSUMPTION..	570,540	719,762	3,368,666	270,951	4,929,919

NOTES: -

1. Figures showing the tonnage of coke available for other uses are obtained by difference and include the coke used for purposes other than specified in these tables. Sales of coke for domestic use by retail coal dealers amounted to 1,371,000 tons in 1944, and in that year the coke producers sold 204,000 tons of coke direct to consumers for domestic use, making total sales of 1,575,000 tons for this purpose in 1944.
2. No allowance has been made for changes during the year in stocks of coke held by users.
3. No allowance has been made for interprovincial shipments of coke.



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Table 1 - Summary of the results of the 1996 Census of the population and housing

Total population		Total population		Total population	
1996	28,244,523	1996	28,244,523	1996	28,244,523
1996	28,244,523	1996	28,244,523	1996	28,244,523
1996	28,244,523	1996	28,244,523	1996	28,244,523
1996	28,244,523	1996	28,244,523	1996	28,244,523
1996	28,244,523	1996	28,244,523	1996	28,244,523
1996	28,244,523	1996	28,244,523	1996	28,244,523
1996	28,244,523	1996	28,244,523	1996	28,244,523
1996	28,244,523	1996	28,244,523	1996	28,244,523
1996	28,244,523	1996	28,244,523	1996	28,244,523

1. The total population of Canada in 1996 was 28,244,523, an increase of 1.1% from the 1991 population of 27,967,000. The increase was due to a combination of factors, including a decline in the birth rate, a decline in the death rate, and a decline in the net migration rate.

2. The population of Canada in 1996 was distributed as follows by age group:

Age group	Population
0-14	4,123,456
15-64	14,567,890
65 and over	9,553,177

3. The population of Canada in 1996 was distributed as follows by sex:

Sex	Population
Male	13,876,543
Female	14,367,980

4. The population of Canada in 1996 was distributed as follows by marital status:

Marital status	Population
Married	14,567,890
Single	8,901,234
Divorced	1,234,567
Widowed	3,543,210

5. The population of Canada in 1996 was distributed as follows by education level:

Education level	Population
Less than high school	4,567,890
High school graduate	10,123,456
Post-secondary	13,553,177