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DEPARTMENT OF TRADE AND COMMERCE
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THE ILLUMINATING AND FUEL GAS INDUSTRY IN CANADA IN 1925

Production of artificial gas in Canada in 1925 totalled 26,651,684 M. cubic feet according to a statement just issued by the Dominion Bureau of Statistics at Ottawa. Of the total output 13,507,487 M cubic feet was produced in the various gas plants, 12,124,442 M cubic feet in establishments engaged primarily in the production of metallurgical coke and 1,019,755 M cubic feet of still gas was recovered from petroleum refineries. Sales of artificial gas totalled 13,189,100 M cubic feet; the remainder of the output was used in the reporting plants.

Statistics shown below refer only to the illuminating and fuel gas industry which embraces those plants producing coal gas, water gas, pintsch oil gas and acetylene gas as the major products. The 44 gas plants in operation in Canada in 1925 represented a capital investment of 46 million dollars, gave employment to 3,084 persons throughout the year and paid out over 5 million dollars in salaries and wages. Sales of gas in this industry totalled 12,064,863 M cubic feet worth \$14,047,306, and the value of by-products was \$4,811,824, as compared with sales worth \$14,268,315 and by-products valued at \$3,833,409 in 1924.

Of the producing plants, 12 made straight coal gas only; 10 produced carburated water gas only; 5 made both coal gas and water gas, 2 manufactured mixed coal and water gas; 9 others made Pintsch oil gas and 6 others made acetylene gas from calcium carbide. The plants were distributed as follows: 1 in Nova Scotia; 2 in New Brunswick; 4 in Quebec; 21 in Ontario; 8 in Manitoba; 2 in Saskatchewan; 1 in Alberta and 5 in British Columbia.

TABLE I - SUMMARY STATISTICS PERTAINING TO THE ILLUMINATING AND FUEL GAS INDUSTRY IN CANADA, 1921-1925.

Year	No. of Plants	Capital Employed	No. of Employ- ees	Salaries and Wages	Cost of Fuel, Elec- tricity.	Cost of # Materials	Selling Value of Products	Value Added by Manu- facturing
		\$		\$	\$	\$	\$	\$
1921..	50	37,097,280	2,818	3,984,976	...	9,279,697	18,772,285	9,492,583
1922..	48	39,615,765	3,107	3,974,705	...	8,580,208	19,089,170	10,508,962
1923..	45	45,526,495	3,021	3,801,832	...	9,024,084	19,605,340	10,521,256
1924..	44	42,818,276	3,648	4,835,351	2,706,182	6,772,576	18,101,724	11,329,148
1925..	44	46,129,651	3,304	5,057,702	1,128,846	6,178,609	18,859,130	12,680,521

#Includes materials used as fuel in 1921, 1922 and 1923.

42-D-20

TABLE 2-PRINCIPAL STATISTICS OF THE ILLUMINATING AND FUEL GAS INDUSTRY IN CANADA, BY PROVINCES, 1924 and 1925

Provinces	1924				1925			
	No. of Plants	No. of Employ-ees	Salaries and Wages	Selling Value of Products	No. of Plants	No. of Employ-ees	Salaries and Wages	Selling Value of Products
Quebec.....	4	1,043	1,359,054	6,512,962	4	1,124	1,425,271	7,426,522
Ontario.....	21	2,009	2,676,702	8,882,537	21	2,076	2,832,627	8,747,867
Manitoba.....	8	199	273,992	1,176,325	8	179	255,245	1,113,929
British Columbia	5	284	391,442	1,156,372	5	303	403,282	1,179,429
CANADA #.....	44	3,648	4,835,351	18,101,724	44	3,804	5,057,702	18,859,130

Includes also data for 1 plant in Nova Scotia, 2 in New Brunswick, w in 2 in Saskatchewan and 1 in Alberta.

TABLE 3-MATERIALS USED IN THE ILLUMINATING AND FUEL GAS INDUSTRY IN CANADA, 1924 and 1925

Item	Unit of Measure	1924		1925	
		Quantity	Value	Quantity	Value
			\$		\$
Bituminous coal for gas making.....	short tons	681,480	4,723,734	1,353,394	4,395,445
Anthracite coal for gas making.....	"	20,064	251,899	15,323	183,050
Coke for gas making....	"	100,627	591,314	80,600	544,653
Oil for gas making.....	Imp. Gal.	10,515,172	1,146,053	10,498,336	970,110
Calcium carbide.....	lb.	245,195	16,454	100,000	4,368
All other materials....	...	...	43,122	...	86,983
TOTAL.....	...	...	6,772,576	...	6,178,609

TABLE 4 - PRODUCTS OF THE ILLUMINATING AND FUEL GAS INDUSTRY IN CANADA, 1924, and 1925

ITEM	Unit of Measure	1924		1925	
		Quantity	Value	Quantity	Value
			\$		\$
Gas Production:					
Straight coal gas.....	M cu.ft.	7,991,915	...	8,315,179	...
Straight water gas.....	" "	33,733	...	...	...
Carburetted water gas....	" "	5,027,331	...	5,023,569	...
Mixed coal and water gas.	" "	103,218	...	98,531	...
Oil gas.....	" "	69,621	...	68,745	...
Gasoline gas.....	" "	...	...	1,029	...
Acetylene gas.....	" "	1,524	...	434	...
TOTAL GAS MADE.....	...	13,227,402	...	13,507,487	...
Gas Sold - Quantity.....	M cu.ft.	11,879,111	...	12,064,863	...
Income from gas sold.....	\$	...	14,268,315	...	14,047,306
By-Products:- Short					
Coke.....	Tons	451,607	3,164,234	625,973	4,031,417
Tar and tar products.....	Imp. Gals.	8,178,909	409,002	7,700,152	574,328
Ammonia liquor.....	lb. NH ₃	1,547,493	100,701	1,542,827	102,514
Other by-products.....	...	...	159,472	...	103,565
TOTAL By-PRODUCTS.....	3,833,409	...	4,811,824
TOTAL VALUE OF GAS SOLD AND BY-PRODUCTS MADE.....		18,101,724		18,859,130	

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