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SCRAP IRON AND STEEL, 1960

Consumption of scrap iron and steel in Canadian industry totalled about 3,733,000 net tons in 1960. Steel furnaces used 2,888,000 tons; iron foundries used 593,000 tons; iron blast furnaces used 124,000 tons; steel rolling mills, 71,000 tons; ferro-alloy furnaces, 36,000 tons; abrasives furnaces, 14,000 tons and other industries about 7,000 tons. About 46 per cent of the total, or 1,709,000 tons, was home scrap and about 54 per cent, or 2,024,000 tons, was purchased scrap.

Imports of scrap iron and steel amounted to 589,000 tons in 1960 and exports totalled 421,000 tons.

Table 1 - Scrap Iron and Steel Used, 1955-1960

Year	In sinter plant and iron blast furnaces	In steel furnaces	In ferro- alloy furnaces	In rolling mills	In iron foundries	In artificial abrasives furnaces	TOTAL*
(Tons of 2,000 pounds)							
1955 ..	125,845	2,366,107	27,100	95,012	647,000	15,988	3,285,402
1956 ..	173,914	2,865,563	36,895	106,575	690,000	14,452	3,896,992
1957 ..	179,629	2,625,963	29,043	101,670	598,000	16,654	3,560,767
1958 ..	126,239	2,112,355	18,152	64,913	605,000	11,000	2,945,315
1959 ..	102,000	2,952,000	28,000	80,000	661,000	13,000	3,843,000
1960 ..	124,000	2,888,000	36,000	71,000	593,000	14,000	3,733,000

* Includes 8,350 tons used in miscellaneous industries in 1955, 9,593 tons in 1956; 9,333 tons in 1957; 7,656 tons in 1958; 7,000 tons in 1959 and 7,000 tons in 1960.

Table 2 - Scrap Iron and Steel Used, 1955-1960

Year	Purchased	Own Make	TOTAL
(Tons of 2,000 pounds)			
1955	1,923,339	1,362,063	3,285,402
1956	2,401,403	1,495,589	3,896,992
1957	2,139,593	1,421,174	3,560,767
1958	1,723,246	1,221,782	2,945,315
1959	2,154,000	1,689,000	3,843,000
1960	2,024,000	1,709,000	3,733,000

Table 3 - Scrap Iron and Steel Used in Steel Furnaces, 1955-1960

Year	Companies' own make	Purchased	Cost at plant of Purchased scrap
1955	1,227,403	1,138,704	36,307,334
1956	1,359,339	1,506,224	67,055,699
1957	1,307,068	1,318,895	56,957,262
1958	1,112,744	999,611	32,517,440
1959	1,560,000	1,392,000	49,060,000
1960	1,574,000	1,314,000	44,097,000

Table 4 - Scrap Iron and Steel and Pig Iron Used in Steel Furnaces, 1955-1960

Year	Scrap	Pig iron	Per cent scrap
1955	2,366,107	2,554,433	48.0
1956	2,865,563	2,902,367	49.7
1957	2,625,963	2,875,324	47.7
1958	2,112,355	2,610,517	44.7
1959	2,952,000	3,511,000	45.7
1960	2,888,000	3,511,000	45.1

Table 5 - Scrap Iron and Steel Used in Iron Foundries, 1955-1960

Year	Companies' own make	Purchased	Cost at plant of Purchased scrap
1955	123,000	524,000	16,671,000
1956	122,000	568,000	24,090,000
1957	101,000	497,000	20,220,000
1958	109,000	496,000	18,635,000
1959	129,000	532,000	21,163,000
1960	103,000	490,000	18,701,000

Table 6 - Scrap Iron and Steel and Pig Iron Used in Iron Foundries, 1955-1960

Year	Scrap	Pig iron	Per cent scrap
1955	647,000	333,000	66.0
1956	690,000	385,000	64.2
1957	598,000	309,000	65.9
1958	605,000	252,000	70.6
1959	661,000	300,000	68.8
1960	593,000	261,000	69.4

Table 7 - Scrap Iron and Steel Used in Sinter Plant and Blast Furnaces, 1955-1960

Year	Companies' own make (Tons of 2,000 pounds)	Purchased	Cost at Plant of purchased scrap \$
1955	(1)	125,845	1,226,914
1956	(1)	173,914	3,210,797
1957	(1)	179,629	3,432,678
1958	(1)	126,239	1,469,057
1959	(1)	102,000	1,783,000
1960	32,000	92,000	1,319,000
(1) Not available			

Table 8 - Scrap Iron and Steel Used in Rolling Mills, 1955-1960

Year	Companies' own make (Tons of 2,000 pounds)	Purchased	Cost at Plant of purchased scrap \$
1955	11,660	83,352	3,455,563
1956	14,250	92,325	4,995,283
1957	13,007	88,663	5,040,536
1958	-	64,913	3,226,756
1959	-	80,000	4,170,000
1960	-	71,000	3,514,000

Table 9 - Scrap Iron and Steel Used in the Manufacture of Ferro-alloys, 1955-1960

Year	Quantity (Tons of 2,000 pounds)	Cost at Plant \$
1955	27,100	594,082
1956	36,895	1,219,143
1957	29,043	925,856
1958	18,152	413,286
1959	28,000	679,000
1960	36,000	734,000

Table 10 - Scrap Iron Used in the Manufacture of Artificial Abrasives, 1955-1960

Year	Quantity (Tons of 2,000 pounds)	Cost at Plant \$
1955	15,988	391,830
1956	14,452	485,760
1957	16,654	563,851
1958	11,000	322,766
1959	13,000	371,000
1960	14,000	383,000



Scrap

Table 11 - Imports of Scrap Iron and Steel, 1955-1960

Year	Cast scrap		Wrought scrap		Tin plate scrap		Total	
	Tons of 2,000 pounds	\$	Tons of 2,000 pounds	\$	Tons of 2,000 pounds	\$	Tons of 2,000 pounds	\$
1955	64,994	1,955,997	373,060	12,378,572	834	21,070	438,888	14,773,457
1956	66,281	2,557,701	778,479	38,703,768	1,459	39,997	846,219	41,299,466
1957	47,293	1,568,051	435,669	17,805,053	901	24,560	483,863	19,397,664
1958	59,708	1,792,752	229,697	6,941,168	316	15,321	289,721	9,023,641
1959	85,161	2,628,116	576,574	21,163,510	376	11,347	662,111	23,802,973
1960	107,776	2,862,434	480,273	15,717,343	514	17,800	588,563	18,597,577

Table 12 - Exports of Scrap Iron and Steel, 1955-1960

Year	Quantity	\$
	(Tons of 2,000 pounds)	
1955	592,727	20,936,387
1956	660,122	30,427,056
1957	684,166	28,619,566
1958	387,147	12,393,580
1959	382,897	12,781,159
1960	421,448	13,675,451

Table 13 - Stocks of Scrap Iron and Steel Held by Consumers on December 31, 1960

	Tons
Iron blast furnaces	6,000
Steel furnaces	916,000
Iron foundries	72,000
TOTAL	994,000