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DOMINION BUREAU OF STATISTICS

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Memorandum

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SCRAP IRON AND STEEL - 1953

Consumption of scrap iron and steel in Canadian industry totalled 2,996,387 net tons in 1953. Steel furnaces used 2,200,518 tons; iron foundries used 564,000 tons; iron blast furnaces, 85,799 tons; steel rolling mills, 84,020 tons; ferro-alloy furnaces, 28,659 tons; abrasive furnaces, 24,506 tons and other industries, 8,885 tons. About 59 per cent of the total, or 1,756,120 tons, was purchased scrap and 41 per cent, or 1,240,267 tons, was home scrap.

Imports of scrap iron and steel amounted to 100,178 tons in 1953 and exports totalled 410,009 tons.

Table 1 - Scrap Iron and Steel Used, 1949-1953

Year	In iron blast furnaces	In steel furnaces	In ferro- alloy furnaces	In rolling mills	In iron foundries	In artificial abrasives	TOTAL (*)
(Tons of 2,000 pounds)							
1949	58,240	1,770,758	37,521	65,045	532,000	8,469	2,475,797
1950	42,510	1,995,326	32,781	62,229	569,000	10,542	2,718,175
1951	65,390	2,106,714	38,268	65,086	615,000	19,026	2,918,101
1952	106,754	2,122,270	40,549	62,132	553,000	17,460	2,909,867
1953	85,799	2,200,518	28,659	84,020	564,000	24,506	2,996,387

(*) Includes 3,764 tons used in miscellaneous industries in 1949; 5,787 tons in 1950; 8,617 tons in 1951; 7,702 tons in 1952 and 8,885 tons in 1953.

Table 2 - Scrap Iron and Steel Used, 1949-1953

Year	Purchased	Own make	TOTAL
(Tons of 2,000 pounds)			
1949	1,426,837	1,048,960	2,475,797
1950	1,629,331	1,088,844	2,718,175
1951	1,832,905	1,085,196	2,918,101
1952	1,786,866	1,123,001	2,909,867
1953	1,756,120	1,240,267	2,996,387

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Table 3 - Scrap Iron and Steel Used in Steel Furnaces, 1949-1953

Year	Companies' own make	Purchased	Cost at works of purchased scrap
		(Tons of 2,000 pounds)	\$
1949	950,904	819,854	20,960,172
1950	982,523	1,005,803	25,779,873
1951	985,647	1,121,067	35,974,173
1952	1,027,181	1,095,059	38,075,596
1953	1,150,449	1,050,069	36,089,290

Table 4 - Scrap Iron and Steel and Pig Iron Used in Steel Furnaces, 1949-1953

Year	Scrap	Pig iron	Per cent scrap
	(Tons of 2,000 pounds)		
1949	1,770,758	1,736,824	50.5
1950	1,995,326	1,677,504	54.5
1951	2,106,714	1,837,731	53.4
1952	2,122,270	1,958,258	52.0
1953	2,200,518	2,311,378	48.8

Table 5 - Scrap Iron and Steel Used in Iron Foundries, 1949-1953

Year	Companies' own make	Purchased	Cost at works of purchased scrap
	(Tons of 2,000 pounds)	\$	
1949	87,000	445,000	12,141,000
1950	95,000	474,000	13,504,000
1951	95,000	520,000	17,104,000
1952	92,000	461,000	15,384,000
1953	79,000	485,000	15,524,000

Table 6 - Scrap Iron and Steel and Pig Iron Used in Iron Foundries, 1949-1953

Year	Pig iron	Scrap	Per cent scrap
	(Tons of 2,000 pounds)		
1949	380,000	532,000	58.4
1950	406,000	569,000	58.3
1951	463,000	615,000	57.2
1952	380,000	553,000	59.3
1953	354,000	564,000	61.4

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Table 7 - Scrap Iron and Steel Used in Iron Blast Furnaces, 1949-1953

Year	Quantity (net charge)	Cost at works
	(Tons of 2,000 pounds)	\$
1949	58,240	978,070
1950	42,510	733,954
1951	65,390	1,490,248
1952	106,754	2,829,571
1953	85,799	1,534,963

Table 8 - Scrap Iron and Steel Used in Rolling Mills, 1949-1953

Year	Companies' own make	Purchased	Cost at works of purchased scrap
	(Tons of 2,000 pounds)	\$	
1949	11,056	53,989	1,581,381
1950	4,255	57,974	1,961,796
1951	5,230	59,856	2,443,950
1952	3,820	58,312	2,543,903
1953	10,818	73,202	3,422,717

Table 9 - Scrap Iron and Steel Used in the Manufacture of Ferro-alloys, 1949-1953

Year	Tons of 2,000 pounds	Cost at works
	\$	
1949	37,521	776,944
1950	32,781	773,593
1951	38,268	1,185,583
1952	40,549	1,401,794
1953	28,659	870,216

Table 10 - Scrap Iron Used in the Manufacture of Artificial Abrasives, 1949-1953

Year	Tons of 2,000 pounds	Cost at works
	\$	
1949	8,469	172,318
1950	10,542	238,027
1951	19,026	581,029
1952	17,460	555,507
1953	24,506	775,747



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Table 11 - Imports of Scrap Iron and Steel, 1949-1953

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	
	\$	\$	\$	\$	\$	\$	\$	\$
1949	28,300	724,194	256,054	7,179,013	642	13,412	284,996	7,916,619
1950	63,281	1,706,641	123,905	3,671,616	877	19,757	188,063	5,398,014
1951	27,827	1,286,889	79,935	2,543,644	1,121	24,073	108,883	3,854,606
1952	46,048	1,500,250	158,734	5,314,687	1,034	25,536	205,816	6,840,473
1953	35,680	1,034,588	64,199	2,425,038	299	8,168	100,178	3,477,794

Table 12 - Exports of Scrap Iron and Steel, 1949-1953

Year	Tons of 2,000 pounds	\$
1949	39,975	1,009,203
1950	62,618	2,034,221
1951	39,804	1,615,678
1952	87,788	4,187,183
1953	410,009	15,877,155

Table 13 - Stocks of Scrap Iron and Steel Held by Consumers on December 31, 1953

	Tons
Iron blast furnaces	2,000
Steel furnaces	492,000
Iron foundries	79,000
TOTAL	573,000