



**Table 5b. Consumption of Energy for All Purposes ([First Use](#)) per Ton of Steel, 1998 and 2002
(1000 Btu per ton)**

Iron and Steel Mills (NAICS ¹ 331111)	MECS Survey Years	
	1998 ²	2002 ²
Total ³	16,635	16,366
Net Electricity ⁴	1,659	2,302
Natural Gas	5,188	5,218
Coal	7,141	6,231

Notes: 1. The North American Industry Classification System (NAICS) has replaced the Standard Industrial Classification (SIC) system. NAICS 331111 includes steel works, blast furnaces (including coke ovens), and rolling mills.

2. Denominators represent the entire steel industry, not those based mainly on electric, natural gas, residual fuel oil or coal.

3. 'Total' is the sum of all of the listed energy sources, including 'Other,' minus the shipments of energy sources produced onsite. It is the total amount of first use of energy for all (fuel and nonfuel) purposes. 'Other' includes net steam (the sum of purchases, generation from renewable resources, and net transfers), and other energy that respondents indicated was used to produce heat and power or as feedstock/raw material inputs

4. 'Net Electricity' is obtained by summing purchases, transfers in, and generation from noncombustible renewable resources, minus quantities sold and transferred out. It does not include electricity inputs from onsite cogeneration or generation from combustible fuels because that energy has already been included as generating fuel (for example, coal).

Sources: Energy Information Administration, Manufacturing Energy Consumption Surveys 1998, and 2002; U.S. Bureau of the Census, Current Industrial Report, Steel Mill Products, December 1998 and December 2003.

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