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Table 5a. Consumption of Energy for All Purposes (First Use) per Value of Production, 1998, 2002, and 2006

(1000 Btu per constant 2000 dollar ¹)

Iron and Steel Mills (NAICS ² 331111)	MECS Survey Years		
	1998 ³	2002 ³	2006 ³
Total ⁴	30	27	17
Net Electricity ⁵	3	4	3
Natural Gas	9	9	6
Coal	13	10	6

Notes:1. Value of production is deflated by the chain-type price indices for iron and steel mills shipments.

2. 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.

3. Denominators represent the value of production for the entire iron and steel mills (NAICS 331111), not those based mainly on electric, natural gas or coal.

4. '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.

5. '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, 2002, and 2006; U.S. Department of Commerce: Bureau of Economic Analysis, Annual Industry Account, and Gross-Domestic-Product-by-Industry Accounts; December 20, 2004; U.S. Census Bureau, Annual Survey of Manufacturers, Industry Statistics 2001, 2004, and 2007.