

Table 71. Production, Heat Content, and Sulfur, Mercury and Carbon Dioxide Emission Factors by Coal Type and Region

Coal Supply Region	States	Coal Rank and Sulfur Level	Mine Type	2002 Production (Million Short tons)	Heat Content (Million Btu per Short Ton)	Sulfur (Pounds Per Million Btu)	Mercury (Pounds Per Trillion Btu)	CO ₂ (Pounds Per Million Btu)
Northern Appalachia	PA, OH, MD, WV(North)	Metallurgical	Underground	2.8	27.43	0.77	N/A	205.4
		Mid-Sulfur Bituminous	All	66.6	25.37	1.25	11.16	205.4
		High-Sulfur Bituminous	All	59.4	24.75	2.48	11.67	203.6
		Waste Coal (Gob and Culm)	All	11.1	12.31	1.88	63.9	203.6
Central Appalachia	KY(East), WV(South), TN(North)	Metallurgical	Underground	34.0	27.43	0.60	N/A	203.8
		Low-Sulfur Bituminous	All	63.9	25.26	0.54	5.61	203.8
		Mid-Sulfur Bituminous	All	151.2	24.93	0.84	7.58	203.3
Southern Appalachia	AL, TN(South)	Metallurgical	Underground	4.6	27.43	0.48	N/A	203.3
		Low-Sulfur Bituminous	All	3.1	24.66	0.57	3.87	203.3
		Mid-Sulfur Bituminous	All	11.4	24.53	1.06	10.15	203.3
East Interior	IL, IN, KY(West), MS	Mid-Sulfur Bituminous	All	32.0	22.68	1.13	5.60	202.7
		High-Sulfur Bituminous	All	60.7	22.85	2.74	6.35	202.5
		Mid-Sulfur Lignite	Surface	2.3	11.26	0.98	14.11	211.4
West Interior	IA, MO, KS, AR, OK, TX(Bit)	High-Sulfur Bituminous	Surface	1.9	23.58	2.28	21.55	202.4
Gulf Lignite	TX(Lig), LA	Mid-Sulfur Lignite	Surface	26.7	13.11	1.24	14.11	211.4
		High-Sulfur Lignite	Surface	22.3	13.08	2.07	15.28	211.4
Dakota Lignite	ND, MT(Lig)	Mid-Sulfur Lignite	Surface	31.1	13.24	1.15	8.38	216.6
Powder River, Green River, and Hannah Basins	WY, MT(Sub)	Low-Sulfur Subbituminous	Surface	372.1	17.44	0.35	5.68	210.7
		Mid-Sulfur Subbituminous	Surface	38.2	17.57	0.76	5.82	210.7
		Low-Sulfur Bituminous	Underground	0.0	21.93	0.51	2.08	204.4
Rocky Mountain	CO, UT	Low-Sulfur Bituminous	Underground	50.4	23.25	0.40	3.82	203.0
		Low-Sulfur Subbituminous	Surface	10.0	20.61	0.39	2.04	210.6
Southwest	AZ, NM	Low-Sulfur Bituminous	Surface	23.0	21.40	0.47	4.66	205.4
		Mid-Sulfur Subbituminous	Surface	16.9	18.69	0.85	7.18	206.7
		Mid-Sulfur Bituminous	Underground	1.8	19.52	0.72	7.18	206.7
Northwest	WA, AK	Mid-Sulfur Subbituminous	Surface	7.0	15.63	1.13	6.99	207.9

*Indicates that quantity is less than 50,000 short tons.

N/A = not available.

Source: Energy Information Administration, Form EIA-3, "Quarterly Coal Consumption Report—Manufacturing Plants"; Form EIA-5, "Quarterly Coal Consumption and Quality Report, Coke Plants; Form EIA-6A, "Coal Distribution Report—Annual"; Form EIA-7A, "Coal Production Report, and Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report." Federal Energy Regulatory Commission, Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants." U.S. Department of Commerce, Bureau of the Census, "Monthly Report EM-545." U.S. Environmental Protection Agency, Emission Standards Division, *Information Collection Request for Electric Utility Steam Generating Unit, Mercury Emissions Information Collection Effort* (Research Triangle Park, NC, 1999). B.D. Hong and E.R. Slatick, "Carbon Dioxide Emission Factors for Coal," in Energy Information Administration, *Quarterly Coal Report*, January-March 1994, DOE/EIA-0121 (94/Q1) (Washington, DC, August 1995).