

1.3.11 1991 Buildings-Related *Delivered* and Primary Energy Consumption in Industrial Sector (10¹² Btu)

SIC Group	Manufacturing Industry	Ventilation	Space Heating	Space Cooling	Lighting	Total
20	Food	10.9	110.8	11.4	12.5	145.6
21	Tobacco	0.5	5.9	0.6	N.A.	7.0
22	Textiles	3.4	37.3	3.7	9.2	53.6
23	Apparel	1.7	13.5	1.6	3.6	20.4
24	Lumber	1.1	7.8	1.0	3.3	13.2
25	Furniture	1.5	12.8	1.4	2.1	17.8
26	Paper	5.1	53.9	5.4	9.2	73.6
27	Printing	5.4	27.9	4.2	8.2	45.7
28	Chemicals	7.9	76.9	8.1	15.4	108.3
29	Refining	1.5	15.5	1.6	4.0	22.6
30	Rubber	3.2	28.3	3.1	9.4	44.0
31	Leather	0.5	5.4	0.5	N.A.	6.4
32	Stone, Clay, Glass	2.1	19.7	2.1	5.1	29.0
33	Primary Metals	4.9	51.0	5.2	16.3	77.4
34	Fabricated Metals	6.6	61.3	6.6	11.8	86.3
35	Industrial Machinery	7.4	54.0	6.6	16.3	84.3
36	Electronic Equipment	6.0	44.6	5.4	13.7	69.7
37	Transportation Equipment	10.8	101.0	10.8	19.1	141.7
38	Instruments	5.2	39.6	4.8	8.4	58.0
39	Miscellaneous Manufacturing	1.0	7.2	0.9	2.2	11.3
	<i>Delivered</i> Total	86.9	774.3	85.1	169.9	1,116.2
	Primary Total	270.0	890.0	280.0	520.0	1,960.0

Note(s): Total buildings-related (i.e., non-process) primary energy consumption in the industrial sector in 1991 was 1.96 of 31.80 quads; for comparison, 2002 industrial primary energy consumption was 32.67 quads.

Source(s): PNNL, An Analysis of Buildings-Related Energy Use in Manufacturing, PNNL-11499, April 1997, Table 4.1, p. 4.2; EIA, State Energy Data 2000, April 2003, Table 10, p. 20 for industrial sector note; EIA, AEO 2002, Table A2, p. 126-128; and DOE/BTS Memorandum, AEO98 Data Clarification for Building Energy Analysts, May 13, 1998.