

1.3.3 2002 Commercial Energy End-Use Splits, by Fuel Type (quads) (1)

	Natural	Fuel	Other		Renw.	Site	Site		Primary	Primary	
	Gas	Oil (2)	LPG	Fuel(3)	En.(4)	Electric	Total	Percent	Electric (5)	Total	Percent
Lighting						1.36	1.36	16.4%	4.37	4.37	25.1%
Space Heating	1.42	0.25		0.11		0.21	1.99	24.1%	0.68	2.46	14.1%
Space Cooling	0.01					0.63	0.64	7.8%	2.03	2.04	11.7%
Water Heating	0.59	0.07			0.02	0.14	0.82	10.0%	0.45	1.13	6.5%
Ventilation						0.31	0.31	3.8%	1.01	1.01	5.8%
Electronics						0.31	0.31	3.7%	1.00	1.00	5.7%
Refrigeration						0.20	0.20	2.4%	0.65	0.65	3.7%
Computers						0.14	0.14	1.6%	0.44	0.44	2.5%
Cooking	0.26					0.03	0.29	3.5%	0.10	0.36	2.1%
Other (6)	0.28	0.02	0.09	0.05	0.10	0.31	0.85	10.3%	0.98	1.53	8.8%
Adjust to SEDS (7)	0.64	0.22				0.48	1.35	16.3%	1.56	2.42	13.9%
Total	3.21	0.57	0.09	0.16	0.12	4.12	8.28	100%	13.27	17.43	100%

Note(s): 1) See Table 1.3.11 for buildings-related energy consumption in industrial buildings. 2) Includes (0.49 quad) distillate fuel oil and (0.08 quad) residual fuel oil. 3) Kerosene (0.02 quad) and coal (0.10 quad) are assumed attributable to space heating. Motor gasoline (0.05 quad) assumed attributable to other end-uses. 4) Comprised of (0.10 quad) biomass, (0.02 quad) solar water heating, and (less than 0.01 quad) solar pv. 5) Site -to-source electricity conversion (due to generation and transmission losses) = 3.22. 6) Includes service station equipment, automated teller machines, telecommunications equipment, medical equipment, pumps, emergency electric generators, combined heat and power in commercial buildings, and manufacturing performed in commercial buildings. 7) Energy adjustment EIA uses to relieve discrepancies between data sources. Energy attributable to the commercial buildings sector, but not directly to specific end-uses.

Source(s): EIA, AEO 2004, Jan. 2004, Tables A2, p. 134-136, Table A5, p. 141-142, and Table A18, p. 157; EIA, National Energy Modeling System for AEO 2004, Jan. 2004; BTS/A.D. Little, Energy Consumption Characteristics of Commercial Building HVAC Systems, Volume II: Thermal Distribution, Auxiliary Equipment, and Ventilation, Oct. 1999, p. 1-2 and 5-25 - 5-26; EIA, AEO 1998, Dec. 1997, Table A5, p. 108-109 for 1995 ventilation; and BTP/Navigant Consulting, U.S. Lighting Market Characterization, Volume I, Sept. 2002, Table 8-2, p. 63.