3.6.11 Energy Benchmarks for Newly Constructed Medium Office Buildings, by Selected City and End-Use (thousand Btu per square foot)

	IECC Climate Zone	Heating	Cooling	Water Heating	Ventilation
Miami	1A	0.3	14.9	0.4	1.5
Houston	2A	3.2	11.8	0.5	1.3
Phoenix	2B	2.6	12.8	0.4	1.6
Atlanta	3A	4.5	7.5	0.5	1.2
Los Angeles	3B	0.9	4.8	0.5	1.0
Las Vegas	3B	2.4	9.3	0.5	1.4
San Francisco	3C	5.2	2.5	0.6	1.1
Baltimore	4A	8.5	6.5	0.6	1.2
Albuquerque	4B	4.7	5.3	0.6	1.4
Seattle	4C	7.8	2.0	0.6	1.1
Chicago	5A	12.0	4.4	0.6	1.2
Boulder	5B	7.5	3.6	0.6	1.3
Minneapolis	6A	17.7	3.9	0.7	1.2
Helena	6B	13.3	2.4	0.7	1.2
Duluth	7	21.0	2.0	0.7	1.3
Fairbanks	8	38.6	0.9	0.8	1.1

Note(s): Commercial building energy benchmarks are based off of the current stock of commercial buildings and reflect 2004 ASHRAE 90.1 Climate Zones. They are designed to provide a consistent baseline to compare building performance in energy-use simulations. The benchmark building had 53,608 square feet and 3 floors. Benchmark interior lighting energy = 10.7 thousand Btu/SF. Interior equipment energy consumption = 18.85 thousand Btu/SF.

Source(s): DOE/EERE/BT, Commercial Building Benchmark Models, Version 1.3_5.0, Nov. 2010, accessed January 2012 at http://www1.eere.energy.gov/buildings/commercial_initiative/new_construction.html.