



U.S. Commercial Buildings Energy Intensity

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Table 8b. U.S. Commercial Buildings Energy Intensity Using Weather-Adjusted Site Energy¹ by Census Region and Principal Building Activity, 1992-1995
(Thousand Btu per Square Foot)

Principal Building Activity and Census Region	Survey Years	
	1992 ²	1995
U.S. Total	162	177
Education	134	134
Food Sales	487	581
Food Service	419	485
Health Care	402	417
Lodging	298	228
Mercantile and Service	146	153
Office	218	223
Public Assembly	147	197
Public Order and Safety	182	172
Religious Worship	47	59
Warehouse and Storage	82	79
Other ³	301	316
Vacant	49	36
Total Northeast	152	158
Education	132	127
Food Sales	Q	Q
Food Service	258	Q
Health Care	373	418
Lodging	241	310
Mercantile and Service	123	115
Office	194	183
Public Assembly	136	187
Public Order and Safety	184	143
Religious Worship	46	62
Warehouse and Storage	92	99
Other ³	241	Q

Vacant	Q	16
Total Midwest		
Education	174	176
Food Sales	143	127
Food Service	514	Q
Health Care	437	317
Lodging	475	487
Mercantile and Service	262	237
Office	154	169
Public Assembly	240	219
Public Order and Safety	157	181
Religious Worship	Q	148
Warehouse and Storage	49	63
Other ³	103	87
Vacant	Q	Q
Total South		
Education	158	178
Food Sales	118	128
Food Service	475	562
Health Care	471	619
Lodging	427	412
Mercantile and Service	306	226
Office	157	162
Public Assembly	236	218
Public Order and Safety	139	185
Religious Worship	193	173
Warehouse and Storage	49	49
Other ³	71	71
Vacant	Q	412
Total West		
Education	165	195
Food Sales	148	161
Food Service	538	424
Health Care	630	466
Lodging	265	364
Mercantile and Service	369	198
Office	142	162
Public Assembly	193	265
Public Order and Safety	176	Q
Religious Worship	Q	Q
Warehouse and Storage	41	70
Other ³	68	65
Vacant	225	Q
Total Midwest		
Education	174	176
Food Sales	143	127
Food Service	514	Q
Health Care	437	317
Lodging	475	487
Mercantile and Service	262	237
Office	154	169
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¹ Sum of major fuels. Weather-adjusted energy consumption for 1999 and 2003 is not reported because 1999 and 2003 CBECS do not estimate energy consumption for space heating, space cooling, and ventilation. To aggregate Census division degree-days to Census regions, each division value is weighted by its percentage of the total Census region population.

² Estimates adjusted to match the 1995 CBECS definition of target population. More information available online:

<http://www.eia.doe.gov/emeu/cbeecs/comparesampdesign.html>

³ Laboratory buildings are included in the "Other" category.

Q = Data withheld because the Relative Standard Error was greater than 50 percent or fewer than 20 buildings were sampled.

Sources: Energy Information Administration (EIA), Commercial Buildings Energy Consumption Surveys, 1992, 1995, and EIA, "Annual Energy Review, " 2005; Tables 1.10 and 1.19. Available online:

<http://www.eia.doe.gov/emeu/aer/txt/ptb0110.html>, and <http://www.eia.doe.gov/emeu/aer/txt/ptb0109.html>

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