



U.S. Commercial Buildings Energy Intensity

Released Date: December 2004

Page Last Modified: Jan 2007

Table 6b. 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	81	89
Education	76	78
Food Sales	183	211
Food Service	215	242
Health Care	233	237
Lodging	161	126
Mercantile and Service	71	74
Office	99	95
Public Assembly	69	111
Public Order and Safety	110	95
Religious Worship	29	36
Warehouse and Storage	41	37
Other ³	152	167
Vacant	27	21
Total Northeast	84	86
Education	87	82
Food Sales	Q	Q
Food Service	138	Q
Health Care	228	275
Lodging	166	176
Mercantile and Service	64	60
Office	89	85
Public Assembly	75	106
Public Order and Safety	117	92
Religious Worship	35	42
Warehouse and Storage	49	46
Other ³	129	Q

Vacant	Q	11
Total Midwest	94	100
Education	85	83
Food Sales	200	Q
Food Service	236	168
Health Care	303	299
Lodging	158	146
Mercantile and Service	79	96
Office	113	106
Public Assembly	87	107
Public Order and Safety	Q	95
Religious Worship	35	49
Warehouse and Storage	61	49
Other ³	Q	Q
Vacant	38	Q
Total South	73	79
Education	60	61
Food Sales	175	195
Food Service	218	296
Health Care	229	208
Lodging	145	111
Mercantile and Service	72	71
Office	108	86
Public Assembly	53	84
Public Order and Safety	95	80
Religious Worship	25	23
Warehouse and Storage	31	32
Other ³	Q	192
Vacant	16	15
Total West	78	94
Education	75	90
Food Sales	201	151
Food Service	332	254
Health Care	134	203
Lodging	186	110
Mercantile and Service	69	68
Office	81	106
Public Assembly	90	Q
Public Order and Safety	Q	Q
Religious Worship	24	40
Warehouse and Storage	29	25
Other ³	122	Q
Vacant	36	26

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. Normals are based on calculations of data from 1971 through 2000. 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 and 1999 CBECS definition of target population. More information available online:

<http://www.eia.doe.gov/emeu/cbecs/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>

For questions about the "Commercial Buildings Energy Intensity Tables," please contact:

Behjat Hojjati
Program Manager
behjat.hojjati@eia.doe.gov
Phone: 202-586-1068
Fax: 202-586-0018

For questions about the "Commercial Buildings Energy Consumption Survey" and energy data, please contact:

Joelle Michaels
Survey Manager
joelle.michaels@eia.doe.gov
Phone: 202-586-89528
Fax: 202-586-0018

[Contact Us](#) • [Feedback](#) • [Privacy/Security](#) • [Jobs](#) • [About Us](#)