



U.S. Commercial Buildings Energy Intensity

Released Date: December 2004

Page Last Modified: Jan 2007

Table 7a. U.S. Commercial Buildings Energy Intensity Using Primary Energy¹ by Census Region and Principal Building Activity, 1992-2003 (Million Btu per Building)				
Principal Building Activity and Census Region	Survey Years			
	1992 ²	1995	1999	2003
U.S. Total	2,170	2,312	2,574	2,822
Education	3,739	3,428	3,570	4,067
Food Sales	2,796	2,752	3,071	2,975
Food Service	2,255	2,346	2,530	2,906
Health Care	10,961	9,398	7,734	8,497
Lodging	5,488	5,292	5,523	6,908
Mercantile and Service	1,395	1,550	2,162	2,437
Office	3,449	3,380	3,570	3,137
Public Assembly	2,370	2,429	2,442	2,560
Public Order and Safety	2,491	2,549	2,537	3,422
Religious Worship	472	632	631	779
Warehouse and Storage	1,220	1,173	1,500	1,590
Other ³	4,350	4,830	3,738	6,979
Vacant	642	334	204	464
Total Northeast	2,478	2,641	3,222	3,391
Education	7,014	6,483	8,176	8,523
Food Sales	Q	Q	Q	Q
Food Service	1,921	Q	Q	Q
Health Care	12,827	12,503	11,355	10,174
Lodging	4,705	10,676	8,093	6,362
Mercantile and Service	1,356	1,386	2,338	2,223
Office	3,626	3,629	4,813	4,177
Public Assembly	2,578	2,899	4,351	2,155
Public Order and Safety	3,047	2,054	Q	Q
Religious Worship	671	683	645	855
Warehouse and Storage	1,549	1,675	1,976	1,893
Other ³	2,755	Q	Q	Q
Vacant	Q	394	Q	Q

Total Midwest	2,259	2,302	2,396	2,616
Education	7,021	6,311	7,109	5,712
Food Sales	3,149	Q	Q	3,172
Food Service	2,225	2,245	2,210	2,199
Health Care	15,104	12,320	6,826	9,471
Lodging	5,402	5,836	6,331	6,698
Mercantile and Service	1,416	1,451	1,672	1,661
Office	3,684	3,421	3,574	2,999
Public Assembly	1,726	2,036	2,045	3,136
Public Order and Safety	Q	2,168	Q	Q
Religious Worship	620	746	642	846
Warehouse and Storage	1,283	1,127	1,652	2,575
Other ³	Q	Q	Q	Q
Vacant	585	Q	Q	Q
Total South	1,890	2,147	2,542	2,871
Education	2,777	2,724	2,757	4,501
Food Sales	2,000	2,226	3,035	2,748
Food Service	2,212	2,550	Q	3,696
Health Care	17,117	7,450	6,770	8,928
Lodging	5,461	5,881	6,155	7,060
Mercantile and Service	1,286	1,754	2,333	2,817
Office	3,180	2,584	3,119	3,271
Public Assembly	2,596	1,927	1,966	2,738
Public Order and Safety	1,941	3,212	Q	Q
Religious Worship	340	517	736	800
Warehouse and Storage	1,097	1,114	1,402	1,003
Other ³	Q	5,696	2,201	Q
Vacant	316	250	Q	Q
Total West	2,404	2,375	2,401	2,542
Education	2,168	2,060	2,153	1,805
Food Sales	3,586	2,741	Q	Q
Food Service	2,745	1,917	Q	2,712
Health Care	3,516	9,462	9,504	5,901
Lodging	6,172	3,502	4,010	7,364
Mercantile and Service	1,703	1,474	2,427	3,150
Office	3,567	4,856	3,667	2,271
Public Assembly	2,688	Q	2,722	2,196
Public Order and Safety	Q	Q	Q	Q
Religious Worship	591	666	503	508
Warehouse and Storage	1,110	946	1,074	1,430
Other ³	3,942	Q	Q	Q
Vacant	1,670	314	Q	Q

¹ Sum of major fuels.

² Estimates adjusted to match the 1995, 1999, and 2003 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, Commercial Buildings Energy Consumption Surveys, 1992, 1995, 1999, and 2003.

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](#)