



U.S. Commercial Buildings Energy Intensity

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Table 5a. U.S. Commercial Buildings Energy Intensity Using Site 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	1,103	1,162	1,231	1,342
Education	2,145	1,986	1,982	2,125
Food Sales	1,053	1,002	1,156	1,110
Food Service	1,183	1,167	1,280	1,436
Health Care	6,480	5,342	4,046	4,612
Lodging	3,007	2,908	2,938	3,578
Mercantile and Service	691	755	1,000	1,043
Office	1,588	1,445	1,475	1,376
Public Assembly	1,115	1,376	1,177	1,338
Public Order and Safety	1,533	1,416	1,407	1,791
Religious Worship	297	387	357	440
Warehouse and Storage	616	560	764	764
Other ³	2,216	2,566	1,728	3,600
Vacant	358	196	121	294
Total Northeast	1,397	1,427	1,626	1,834
Education	4,714	4,168	5,020	5,567
Food Sales	Q	Q	Q	Q
Food Service	1,073	Q	Q	Q
Health Care	8,073	8,197	6,898	6,239
Lodging	3,328	6,060	4,977	4,043
Mercantile and Service	719	719	1,121	1,068
Office	1,706	1,676	2,125	1,966
Public Assembly	1,461	1,635	2,150	1,483
Public Order and Safety	1,973	1,309	Q	Q
Religious Worship	520	462	472	627
Warehouse and Storage	845	773	922	973
Other ³	1,500	Q	Q	Q
Vacant	Q	262	Q	Q

Total Midwest	1,262	1,314	1,270	1,379
Education	4,230	4,140	4,287	3,475
Food Sales	1,231	Q	Q	1,232
Food Service	1,268	1,184	1,189	1,133
Health Care	9,911	7,575	3,777	5,334
Lodging	3,360	3,592	3,628	3,682
Mercantile and Service	738	827	859	833
Office	1,793	1,666	1,567	1,407
Public Assembly	973	1,211	1,026	1,817
Public Order and Safety	Q	1,401	Q	Q
Religious Worship	455	580	423	549
Warehouse and Storage	763	641	1,047	1,406
Other ³	Q	Q	Q	Q
Vacant	455	Q	Q	Q
Total South	883	962	1,113	1,209
Education	1,423	1,308	1,320	1,929
Food Sales	739	772	1,062	967
Food Service	1,039	1,220	Q	1,701
Health Care	9,302	3,778	3,185	4,476
Lodging	2,627	2,876	3,010	3,182
Mercantile and Service	597	775	1,066	1,081
Office	1,479	1,020	1,199	1,314
Public Assembly	997	881	817	1,184
Public Order and Safety	973	1,498	Q	Q
Religious Worship	177	248	327	363
Warehouse and Storage	479	508	606	382
Other ³	Q	2,680	830	Q
Vacant	163	114	Q	Q
Total West	1,123	1,147	1,124	1,156
Education	1,094	1,142	1,170	949
Food Sales	1,338	976	Q	Q
Food Service	1,423	1,041	Q	1,426
Health Care	1,758	5,254	5,022	3,170
Lodging	3,066	1,949	2,109	3,728
Mercantile and Service	824	612	960	1,306
Office	1,474	1,927	1,505	932
Public Assembly	1,370	Q	1,532	996
Public Order and Safety	Q	Q	Q	Q
Religious Worship	349	382	290	268
Warehouse and Storage	464	364	467	646
Other ³	2,106	Q	Q	Q
Vacant	776	169	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.

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