



U.S. Commercial Buildings Energy Intensity

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Table 5b. U.S. Commercial Buildings Energy Intensity Using Site Energy¹ by Census Region and Principal Building Activity, 1992-2003
(Thousand Btu per Square Foot)

Principal Building Activity and Census Region	Survey Years			
	1992 ²	1995	1999	2003
U.S. Total	80	91	85	91
Education	75	79	75	83
Food Sales	182	214	202	200
Food Service	206	245	241	258
Health Care	228	240	176	188
Lodging	160	127	99	100
Mercantile and Service	71	76	83	87
Office	96	97	90	93
Public Assembly	68	114	82	94
Public Order and Safety	110	97	87	116
Religious Worship	29	37	32	43
Warehouse and Storage	41	38	44	45
Other ³	150	172	144	164
Vacant	28	21	16	21
Total Northeast	82	87	90	100
Education	87	83	90	102
Food Sales	Q	Q	Q	Q
Food Service	130	Q	Q	Q
Health Care	223	278	216	212
Lodging	166	178	136	Q
Mercantile and Service	63	61	81	91
Office	85	87	91	101
Public Assembly	75	108	104	89
Public Order and Safety	117	93	Q	Q
Religious Worship	35	43	41	52
Warehouse and Storage	49	46	44	42
Other ³	128	Q	Q	Q
Vacant	Q	11	Q	Q

Total Midwest	91	105	90	99
Education	82	87	79	86
Food Sales	194	Q	Q	219
Food Service	216	173	203	219
Health Care	290	309	167	206
Lodging	152	150	103	109
Mercantile and Service	77	101	81	97
Office	105	112	96	109
Public Assembly	86	113	79	102
Public Order and Safety	Q	99	Q	Q
Religious Worship	35	52	34	53
Warehouse and Storage	60	51	73	75
Other ³	Q	Q	Q	Q
Vacant	38	Q	Q	Q
Total South	72	81	84	85
Education	60	63	68	75
Food Sales	173	196	205	188
Food Service	212	300	Q	283
Health Care	227	211	174	170
Lodging	142	112	102	97
Mercantile and Service	72	73	89	83
Office	107	87	91	87
Public Assembly	Q	86	68	93
Public Order and Safety	95	82	Q	Q
Religious Worship	25	24	29	38
Warehouse and Storage	31	33	33	27
Other ³	Q	198	105	Q
Vacant	16	15	Q	Q
Total West	79	94	78	83
Education	76	89	67	78
Food Sales	204	151	Q	Q
Food Service	340	254	Q	244
Health Care	136	203	163	180
Lodging	190	110	83	104
Mercantile and Service	70	67	75	85
Office	83	106	84	72
Public Assembly	91	Q	85	91
Public Order and Safety	Q	Q	Q	Q
Religious Worship	24	40	30	28
Warehouse and Storage	29	25	26	39
Other ³	122	Q	Q	Q
Vacant	36	26	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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