

DOE Commercial Building Benchmarks
New Construction
Energy Use Intensities (EUIs) [kBtu/ft²/yr]
May 5, 2009

	Miami	Houston	Phoenix	Atlanta	Los Angeles	Las Vegas	San Francisco	Baltimore	Albuquerque	Seattle	Chicago	Denver	Minneapolis	Helena	Duluth	Fairbanks	2003 CBECS Avg.
Climate Zone	1A	2A	2B	3A	3B	3B	3C	4A	4B	4C	5A	5B	6A	6B	7	8	
Large Office	39	42	40	39	32	40	34	43	39	37	43	38	47	44	49	62	99
Medium Office	38	44	42	44	35	41	40	51	43	46	53	47	59	54	62	82	94
Small Office	46	48	49	46	36	44	38	53	47	47	61	52	70	62	77	110	80
Warehouse	15	15	15	16	14	16	14	18	17	16	21	20	26	23	27	43	48
Stand-alone Retail	48	46	46	41	34	41	35	45	42	40	48	45	54	51	61	88	70
Strip Mall	46	44	44	44	35	43	38	48	45	42	51	47	60	55	66	99	110
Primary School	65	71	69	69	57	65	71	78	68	65	85	74	99	88	107	147	68
Secondary School	69	74	74	73	50	68	67	87	72	72	99	81	117	101	128	181	80
Supermarket	161	171	161	175	155	162	171	191	174	186	206	188	224	209	240	296	214
Fast Food Restaurant	727	732	709	737	642	703	671	796	729	738	849	774	917	846	973	1,179	451
Sit-down Restaurant	507	517	496	526	454	500	493	567	523	540	595	553	635	603	672	792	231
Hospital	155	159	145	155	135	139	144	162	131	144	162	140	170	151	171	199	249
Outpatient facility	106	101	104	96	98	100	88	94	96	88	94	94	96	92	93	99	95
Small Hotel	70	71	70	72	62	69	65	78	72	72	83	77	90	84	96	118	75
Large Hotel	133	135	125	133	115	128	117	145	135	131	155	142	170	158	182	226	110
Mid-rise Apartment	45	45	43	43	35	41	36	47	41	41	52	45	61	53	67	94	n/a