

Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/square foot)		
	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet
All Buildings*	1,188	2,208	2,425	13,374	29,260	22,149	88.8	75.5	109.5
Principal Building Activity									
Education	63	423	334	808	5,378	3,687	78.3	78.6	90.7
Food Sales	144	Q	Q	765	467	Q	188.5	Q	Q
Food Service	318	108	Q	986	664	Q	322.9	163.2	Q
Health Care	32	104	457	445	835	1,883	71.8	125.1	242.9
Inpatient	N	Q	436	N	182	1,723	N	Q	252.9
Outpatient	32	66	Q	445	652	160	71.8	100.5	Q
Lodging	29	207	273	260	2,274	2,563	111.0	91.2	106.7
Retail (Other Than Mall).....	110	137	72	1,363	2,133	821	80.9	64.1	87.8
Office	171	412	551	2,320	4,602	5,286	73.5	89.5	104.2
Public Assembly	59	150	Q	854	1,851	1,233	69.5	80.8	Q
Public Order and Safety	22	Q	Q	231	390	Q	94.3	Q	Q
Religious Worship	54	100	Q	1,160	2,391	Q	46.5	41.8	Q
Service	120	144	Q	1,755	1,862	Q	68.4	77.2	Q
Warehouse and Storage	47	157	253	1,763	4,601	3,714	26.4	34.1	68.0
Other	Q	100	Q	215	601	922	Q	166.8	Q
Vacant	Q	Q	Q	447	1,211	909	Q	Q	Q
Year Constructed									
Before 1920	77	162	Q	991	1,972	805	77.7	82.4	Q
1920 to 1945	130	175	314	1,623	2,466	2,781	80.2	71.2	113.0
1946 to 1959	114	220	231	1,503	3,283	2,258	76.1	66.9	102.4
1960 to 1969	133	350	254	1,555	4,177	2,369	85.4	83.7	107.3
1970 to 1979	206	367	450	2,297	4,735	3,740	89.8	77.5	120.3
1980 to 1989	182	342	509	1,870	4,211	4,251	97.4	81.3	119.8
1990 to 1999	274	401	423	2,533	5,798	4,029	108.0	69.2	105.0
2000 to 2003	71	191	180	1,001	2,618	1,915	70.8	72.8	93.8
Census Region and Division									
Northeast	220	458	594	2,149	5,303	5,454	102.4	86.3	108.8
New England	71	134	Q	719	1,416	829	98.4	94.8	Q
Middle Atlantic	149	323	505	1,430	3,887	4,624	104.4	83.2	109.2
Midwest	322	687	680	3,460	7,925	5,695	93.2	86.7	119.5
East North Central	219	451	583	1,816	5,170	4,608	120.5	87.3	126.5
West North Central	104	235	97	1,644	2,755	1,086	63.0	85.4	89.5
South	425	711	813	5,191	10,981	7,317	81.9	64.7	111.1
South Atlantic	219	361	484	2,593	5,382	4,282	84.5	67.1	112.9
East South Central	59	159	92	931	1,958	505	63.0	81.2	181.5
West South Central	147	190	237	1,667	3,640	2,530	88.4	52.3	93.8
West	220	353	338	2,574	5,052	3,684	85.5	69.9	91.8
Mountain	80	155	147	883	1,716	1,076	90.9	90.1	136.4
Pacific	140	198	191	1,692	3,335	2,608	82.7	59.5	73.4
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	245	427	318	2,504	4,981	3,137	98.0	85.7	101.2
5,500-7,000 HDD	312	673	775	3,306	7,971	6,058	94.4	84.5	128.0
4,000-5,499 HDD	164	407	562	1,969	4,516	5,018	83.1	90.2	112.1
Fewer than 4,000 HDD	309	427	477	3,769	7,033	4,936	82.1	60.7	96.6
2,000 CDD or More and --									
Fewer than 4,000 HDD	157	274	293	1,826	4,759	2,999	86.1	57.5	97.6

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	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/square foot)		
	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet
All Buildings*	1,188	2,208	2,425	13,374	29,260	22,149	88.8	75.5	109.5
Number of Floors									
One	828	802	307	9,342	12,643	3,996	88.7	63.4	76.9
Two	264	732	315	3,030	9,194	4,045	87.1	79.6	77.9
Three	81	322	216	846	4,227	2,428	96.2	76.3	88.8
Four to Nine	Q	340	983	155	3,078	6,851	Q	110.4	143.4
Ten or More	N	Q	604	N	Q	4,828	N	Q	125.1
Elevators and Escalators (more than one may apply)									
Any Elevators	Q	789	2,005	286	8,036	16,296	Q	98.2	123.0
Number of Elevators									
One	Q	482	218	286	5,190	2,745	Q	92.8	79.4
Two to Five	N	303	855	N	2,799	7,329	N	108.1	116.6
Six or More	N	Q	932	N	Q	6,222	N	Q	149.8
Any Escalators	Q	Q	275	Q	Q	2,257	Q	Q	121.9
Number of Workers (main shift)									
Fewer than 5	496	194	Q	7,981	5,932	1,579	62.2	32.7	Q
5 to 9	278	175	Q	2,637	3,202	Q	105.6	54.7	Q
10 to 19	248	284	Q	1,798	4,940	1,066	138.0	57.6	Q
20 to 49	136	751	163	844	7,898	2,247	160.5	95.1	72.7
50 to 99	Q	437	275	Q	4,492	3,368	Q	97.3	81.6
100 to 249	Q	313	511	Q	2,377	4,455	Q	131.7	114.7
250 or More	N	53	1,271	N	419	9,109	N	127.4	139.6
Weekly Operating Hours									
Fewer than 40	117	79	Q	3,029	2,790	1,044	38.6	28.4	Q
40 to 48	210	378	185	3,415	6,136	2,071	61.5	61.6	89.5
49 to 60	221	518	440	2,909	8,031	4,783	76.1	64.5	92.0
61 to 84	221	437	266	1,578	5,209	3,547	139.9	84.0	75.0
85 to 167	266	330	293	1,222	2,938	2,932	217.6	112.4	100.0
Open Continuously	153	465	1,209	1,221	4,156	7,771	125.0	111.9	155.5
Ownership and Occupancy									
Nongovernment Owned	1,062	1,580	1,561	11,871	22,176	15,374	89.5	71.2	101.5
Owner Occupied	449	736	875	5,540	10,688	7,363	81.1	68.9	118.8
Nonowner Occupied	609	834	672	5,953	10,621	7,339	102.3	78.5	91.5
Unoccupied	Q	Q	Q	377	867	Q	Q	Q	Q
Government Owned	125	628	864	1,504	7,084	6,775	83.3	88.7	127.5
Federal	Q	Q	255	Q	402	1,471	Q	Q	173.1
State	Q	199	278	302	1,755	1,751	Q	113.3	158.8
Local	83	386	331	1,119	4,927	3,553	74.5	78.4	93.1
Vacancy Status									
Completely Vacant	Q	Q	Q	405	918	838	Q	Q	Q
Mostly Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	83	350	652	1,443	4,519	6,420	57.8	77.5	101.6
Not At All Vacant	1,099	1,833	1,749	11,484	23,530	14,820	95.7	77.9	118.0

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	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet
All Buildings*	1,188	2,208	2,425	13,374	29,260	22,149	88.8	75.5	109.5
Number of Establishments									
One	1,035	1,657	1,474	10,917	21,123	13,104	94.8	78.5	112.5
2 to 5	140	390	462	1,947	5,307	3,705	71.9	73.5	124.7
6 to 10	Q	87	121	Q	1,011	872	Q	86.5	139.3
11 to 20	Q	44	108	Q	624	1,325	Q	70.4	81.2
More than 20	Q	Q	238	Q	277	2,305	Q	Q	103.1
Currently Unoccupied	Q	Q	Q	405	918	838	Q	Q	Q
Predominant Exterior Wall Material									
Brick, Stone or Stucco	652	1,263	1,271	5,838	15,926	11,052	111.7	79.3	115.0
Concrete (Block or Poured)	201	430	343	2,074	5,357	3,402	96.9	80.3	100.8
Concrete Panels	Q	166	468	275	2,014	4,270	Q	82.3	109.5
Siding or Shingles	173	80	Q	2,274	1,555	Q	76.0	51.6	Q
Metal Panels	108	223	131	2,668	3,819	1,425	40.5	58.5	92.3
Window Glass	Q	Q	74	Q	231	762	Q	Q	97.3
Other	Q	Q	Q	Q	229	770	Q	Q	Q
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	Q
Predominant Roof Material									
Built-Up	348	783	953	2,725	9,595	8,850	127.5	81.6	107.7
Shingles (Not Wood)	322	357	Q	3,901	4,888	1,406	82.5	72.9	Q
Metal Surfacing	186	319	124	4,021	6,356	1,567	46.3	50.2	79.3
Synthetic or Rubber	205	553	891	1,352	5,667	7,710	151.3	97.6	115.6
Slate or Tile	76	99	Q	776	1,296	391	97.3	76.0	Q
Wooden Materials	24	Q	Q	336	403	Q	72.6	Q	Q
Concrete	Q	Q	Q	158	455	1,618	Q	Q	Q
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	Q
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation									
Since 1980	280	699	788	2,924	8,005	6,916	95.7	87.3	113.9
Addition or Annex	75	260	398	668	2,805	3,079	112.9	92.6	129.2
Reduction In Floorspace	Q	Q	Q	Q	420	550	Q	Q	Q
Cosmetic Improvements	201	515	601	2,107	5,906	5,105	95.6	87.2	117.7
Wall or Roof Replacement	99	262	416	1,177	2,989	3,904	84.2	87.8	106.5
Interior Wall									
Re-Configuration	109	287	515	1,181	3,222	4,115	92.2	89.1	125.2
HVAC Equipment Upgrade	114	431	611	1,175	4,662	4,931	97.4	92.5	123.9
Lighting Upgrade	103	426	556	1,204	4,417	4,654	85.9	96.3	119.5
Window Replacement	77	250	286	873	2,847	2,633	88.0	87.9	108.5
Plumbing System Upgrade	87	245	416	890	2,735	3,519	97.4	89.6	118.3
Insulation Upgrade	46	150	184	640	1,655	1,719	72.6	90.6	107.1
Other Renovation	Q	Q	Q	Q	Q	Q	Q	Q	Q
No Renovations Since 1980	381	576	525	5,047	8,629	5,038	75.5	66.7	104.2
Building Newer than 1980	527	934	1,112	5,404	12,627	10,195	97.5	74.0	109.1

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	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet
All Buildings*	1,188	2,208	2,425	13,374	29,260	22,149	88.8	75.5	109.5
Energy Sources (more than one may apply)									
Electricity	1,187	2,208	2,425	12,543	28,786	21,977	94.7	76.7	110.3
Natural Gas	852	1,736	1,903	6,776	19,761	16,931	125.7	87.9	112.4
Fuel Oil	123	352	1,285	1,317	3,532	10,308	93.6	99.6	124.7
District Heat	Q	239	763	Q	1,232	4,111	Q	194.3	185.6
District Chilled Water	Q	121	411	Q	694	2,111	Q	174.0	194.5
Propane	102	155	327	1,531	2,577	2,968	66.5	60.3	110.3
Other	17	59	Q	429	583	388	39.6	101.1	Q
Space-Heating Energy Sources (more than one may apply)									
Electricity	424	961	989	4,927	13,154	10,519	86.0	73.0	94.0
Natural Gas	745	1,511	1,425	6,187	17,733	13,038	120.5	85.2	109.3
Fuel Oil	108	128	355	1,183	1,760	3,045	91.1	72.4	116.7
District Heat	Q	235	744	Q	1,173	3,924	Q	200.3	189.7
Propane	58	49	Q	1,194	1,305	Q	48.5	37.8	Q
Other	13	32	Q	410	347	Q	32.0	91.7	Q
Primary Space-Heating Energy Source									
Electricity	289	492	308	3,465	7,876	4,656	83.3	62.5	66.2
Natural Gas	681	1,338	1,261	5,741	15,927	11,302	118.6	84.0	111.6
Fuel Oil	94	89	Q	913	1,268	1,637	103.3	70.5	Q
District Heat	Q	226	710	Q	1,112	3,695	Q	203.6	192.2
Propane	45	24	Q	1,009	858	Q	44.9	27.5	Q
Other	Q	Q	Q	226	Q	Q	Q	Q	Q
Cooling Energy Sources (more than one may apply)									
Electricity	1,073	2,013	1,935	10,360	25,385	18,575	103.6	79.3	104.2
Natural Gas	Q	Q	118	Q	298	683	Q	Q	173.6
District Chilled Water	Q	121	411	Q	694	2,111	Q	174.0	194.5
Water-Heating Energy Sources (more than one may apply)									
Electricity	463	893	788	5,669	12,392	9,430	81.7	72.1	83.6
Natural Gas	593	1,277	1,336	3,995	13,529	11,296	148.4	94.4	118.3
Fuel Oil	Q	48	112	285	694	900	Q	69.1	Q
District Heat	Q	Q	465	Q	555	2,507	Q	Q	185.4
Propane	Q	39	Q	374	853	Q	Q	45.2	Q
Cooking Energy Sources (more than one may apply)									
Electricity	215	444	920	1,114	4,754	7,292	193.1	93.5	126.1
Natural Gas	333	537	1,203	1,190	4,975	9,273	280.3	107.9	129.8
Propane	Q	43	Q	295	714	Q	Q	60.4	Q

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	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet
All Buildings*	1,188	2,208	2,425	13,374	29,260	22,149	88.8	75.5	109.5
Energy End Uses (more than one may apply)									
Buildings with Space Heating	1,130	2,181	2,394	11,454	27,165	21,408	98.6	80.3	111.8
Buildings with Cooling	1,079	2,101	2,284	10,416	26,030	20,495	103.6	80.7	111.4
Buildings with Water Heating	1,093	2,126	2,280	10,107	25,708	20,663	108.1	82.7	110.3
Buildings with Cooking	452	769	1,492	2,133	8,041	12,063	211.8	95.6	123.7
Buildings with Manufacturing	21	109	124	330	1,326	1,482	64.8	81.9	83.9
Buildings with Electricity Generation	Q	388	1,284	199	3,074	9,547	Q	126.3	134.5
Percent of Floorspace Heated									
Not Heated	58	27	Q	1,920	2,095	740	30.0	13.0	Q
1 to 50	92	150	57	1,627	3,499	1,723	56.3	42.9	32.8
51 to 99	153	246	348	1,455	3,286	3,365	104.9	74.8	103.4
100	886	1,785	1,990	8,372	20,380	16,320	105.8	87.6	121.9
Percent of Floorspace Cooled									
Not Cooled	108	107	Q	2,959	3,231	1,654	36.6	33.1	Q
1 to 50	205	534	287	2,909	8,811	4,877	70.3	60.6	58.9
51 to 99	215	469	729	1,775	5,265	6,170	120.9	89.2	118.1
100	660	1,098	1,268	5,731	11,953	9,447	115.2	91.8	134.2
Percent Lit When Open									
Zero	Q	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	155	260	125	2,495	5,662	2,046	62.2	45.8	61.3
51 to 99	279	680	777	3,154	8,556	6,579	88.5	79.4	118.1
100	740	1,251	1,499	6,390	13,779	12,620	115.8	90.8	118.8
Building Never Open/ Electricity Not Used	Q	Q	Q	1,186	1,130	893	Q	Q	Q
Percent Lit When Closed									
Zero	382	476	274	5,839	8,570	2,976	65.4	55.5	92.1
1 to 50	608	1,173	845	5,314	15,218	10,415	114.5	77.1	81.1
51 to 100	44	94	97	361	891	841	122.3	105.5	115.3
Building Never Closed/ Electricity Not Used	153	465	1,209	1,860	4,581	7,916	82.2	101.6	152.7
Heating Equipment (more than one may apply)									
Heat Pumps	91	327	387	1,147	4,074	3,593	79.4	80.2	107.7
Packaged Heat Pumps	62	192	269	686	2,402	2,354	89.8	79.8	114.4
Split-System Heat Pumps	26	98	Q	420	1,293	868	60.8	76.1	85.5
Individual Room Heat Pumps	Q	98	151	Q	1,113	1,509	Q	88.2	100.2
Furnaces	530	624	340	5,794	9,501	4,320	91.4	65.7	78.6
Individual Space Heaters	158	445	420	2,329	5,696	4,520	67.7	78.2	93.0
District Heat	Q	233	739	Q	1,162	3,903	Q	200.1	189.2
Boilers	156	821	1,267	1,234	8,490	10,699	126.2	96.7	118.4
Packaged Heating Units	365	730	634	2,758	8,541	6,722	132.2	85.4	94.3
Other	34	95	102	549	1,325	1,388	62.2	71.5	73.3

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All Buildings*	1,188	2,208	2,425	13,374	29,260	22,149	88.8	75.5	109.5
Cooling Equipment (more than one may apply)									
Residential-Type Central									
Air Conditioners	274	385	265	3,091	5,245	2,699	88.6	73.4	98.1
Heat Pumps	105	329	403	1,239	4,036	3,766	85.1	81.5	106.9
Packaged Heat Pumps	70	194	264	761	2,370	2,295	92.5	82.0	115.0
Split-System Heat Pumps	31	99	Q	436	1,289	880	70.9	76.7	84.5
Individual Room Heat Pumps	Q	97	175	Q	1,096	1,774	Q	88.5	98.6
Individual Air Conditioners	155	454	471	1,984	5,999	4,576	77.9	75.7	102.9
District Chilled Water	Q	121	411	Q	694	2,111	Q	174.0	194.5
Central Chillers	Q	350	1,173	Q	2,907	8,666	Q	120.3	135.4
Packaged Air Conditioning									
Units	597	1,179	1,087	4,698	14,256	11,016	127.0	82.7	98.7
Swamp Coolers	46	76	Q	385	776	399	119.1	98.1	Q
Other	Q	Q	Q	Q	445	700	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	312	660	395	3,379	8,613	4,411	92.3	76.7	89.6
Cooling	402	835	712	3,903	10,012	7,080	102.9	83.4	100.5
Water Heating Equipment									
Centralized System	876	1,395	1,161	7,606	16,799	10,266	115.2	83.0	113.1
Distributed System	190	365	281	2,263	5,582	3,695	83.8	65.4	75.9
Combination of Centralized and Distributed System	Q	365	838	239	3,327	6,702	Q	109.8	125.1
Lighting Equipment Types (more than one may apply)									
Incandescent	614	1,457	1,846	5,979	16,896	15,653	102.7	86.2	117.9
Standard Fluorescent	1,125	2,138	2,381	11,305	27,126	21,256	99.5	78.8	112.0
Compact Fluorescent	316	1,078	1,814	2,232	10,936	14,403	141.5	98.5	126.0
High Intensity Discharge	127	670	1,344	998	7,559	12,086	127.5	88.7	111.2
Halogen	211	624	1,147	1,385	6,585	9,734	152.2	94.8	117.8
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q
Refrigeration Equipment (more than one may apply)^a									
Any Refrigeration	1,001	1,955	2,257	9,071	23,752	20,150	110.4	82.3	112.0
Commercial Refrigeration	561	976	1,799	2,716	9,350	14,702	206.5	104.4	122.3
Walk-In Units	466	706	1,594	1,824	5,937	12,493	255.5	118.8	127.6
Cases or Cabinets	485	767	1,450	2,216	7,057	11,151	219.0	108.7	130.0
Residential-Type Units	526	1,339	1,601	6,783	17,774	14,328	77.5	75.4	111.8
Vending Machines	248	1,411	2,061	2,237	15,323	17,775	110.9	92.1	116.0
No Refrigeration	186	253	Q	4,303	5,508	1,998	43.3	46.0	Q

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Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/square foot)		
	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet
All Buildings*	1,188	2,208	2,425	13,374	29,260	22,149	88.8	75.5	109.5
Office Equipment (more than one may apply)									
Computers	920	2,120	2,335	8,727	26,064	20,837	105.4	81.3	112.1
With Flat Screen Monitors	238	983	1,745	2,173	10,178	14,065	109.6	96.6	124.0
Dedicated Servers	328	1,406	2,027	2,790	15,713	17,835	117.4	89.5	113.6
Laser Printers	577	1,244	1,188	5,598	16,584	10,830	103.0	75.0	109.7
Inkjet Printers	402	1,292	1,608	3,821	14,731	13,658	105.2	87.7	117.7
FAX Machines	806	2,004	2,282	7,520	24,274	20,580	107.2	82.5	110.9
Photocopiers	422	1,827	2,217	5,167	21,434	19,657	81.7	85.2	112.8
Number of Computers									
None	267	88	Q	4,647	3,197	1,312	57.5	27.5	Q
1 to 4	564	345	Q	5,366	5,844	1,185	105.2	59.1	Q
5 to 9	193	300	Q	1,725	4,428	1,027	111.9	67.8	Q
10 to 19	93	324	98	1,031	4,055	1,524	89.8	80.0	64.3
20 to 49	64	449	194	569	4,639	2,207	112.0	96.8	88.0
50 to 99	Q	296	212	Q	3,297	2,045	Q	89.8	103.9
100 to 249	Q	324	388	Q	3,165	3,522	Q	102.3	110.1
250 or More	N	81	1,285	N	636	9,327	N	127.8	137.8
Number of Dedicated Servers									
None	860	802	398	10,585	13,547	4,314	81.2	59.2	92.2
1 to 4	309	1,103	822	2,667	13,017	8,432	115.7	84.7	97.5
5 to 9	Q	153	238	Q	1,491	2,305	Q	102.4	103.4
10 to 19	Q	88	340	Q	603	2,370	Q	145.5	143.3
20 to 49	N	Q	257	N	482	2,101	N	Q	122.2
50 or More	N	Q	370	N	Q	2,627	N	Q	140.9
Number of Photocopiers									
None	765	381	208	8,208	7,827	2,492	93.3	48.7	83.4
One	301	658	171	3,817	8,993	2,665	78.8	73.2	64.1
2 to 4	105	791	438	1,257	8,908	4,917	83.4	88.8	89.1
5 to 9	Q	223	372	Q	2,032	3,390	Q	109.9	109.8
10 or More	N	154	1,236	N	1,500	8,685	N	102.6	142.3
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	452	767	1,492	2,131	8,029	12,063	212.0	95.6	123.7
Activities with Large Amounts of Hot Water	303	757	1,405	1,477	7,554	10,451	204.9	100.3	134.5
Separate Computer Area	87	959	1,849	969	10,433	15,471	89.8	92.0	119.5
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	162	690	1,529	1,048	6,736	11,813	154.5	102.4	129.4
Economizer Cycle	168	812	1,609	1,102	7,217	12,789	152.2	112.6	125.8
HVAC Maintenance	837	1,939	2,394	7,133	23,011	21,019	117.4	84.3	113.9
Energy Management and Control System (EMCS)	53	523	1,206	364	4,973	10,294	146.3	105.2	117.1

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Table C11. Consumption and Gross Energy Intensity by Building Size for Sum of Major Fuels for Non-Mall Buildings, 2003

	Sum of Major Fuel Consumption (trillion Btu)			Total Floorspace of Buildings (million square feet)			Energy Intensity for Sum of Major Fuels (thousand Btu/square foot)		
	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet	1,001 to 10,000 Square Feet	10,001 to 100,000 Square Feet	Over 100,000 Square Feet
All Buildings*	1,188	2,208	2,425	13,374	29,260	22,149	88.8	75.5	109.5
Window and Interior Lighting Features (more than one may apply)									
Multipaned Windows	677	1,478	1,774	6,243	17,321	15,346	108.4	85.3	115.6
Tinted Window Glass	406	980	1,712	3,791	12,179	13,917	107.0	80.5	123.0
Reflective Window Glass	75	285	567	697	2,932	4,915	107.1	97.3	115.3
External Overhangs or Awnings	436	643	658	3,655	7,868	5,720	119.3	81.7	115.0
Skylights or Atriums	77	355	875	758	4,618	7,170	101.2	76.9	122.0
Daylighting Sensors	Q	77	272	216	789	1,864	Q	97.4	145.8
Specular Reflectors	241	923	1,665	2,184	10,058	13,875	110.2	91.8	120.0
Electronic Ballasts	762	1,750	2,234	7,346	20,431	19,105	103.7	85.6	117.0
Energy Management and Control System (EMCS) For Lighting	Q	131	393	Q	1,172	3,537	Q	112.1	111.1
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a									
Heating	740	1,471	1,529	8,161	19,476	15,084	90.7	75.5	101.4
Cooling	742	1,500	1,602	7,797	19,738	15,670	95.1	76.0	102.3
Lighting	995	1,668	1,155	10,689	23,175	13,123	93.1	72.0	88.0
Office Equipment	378	672	416	4,483	10,317	4,597	84.3	65.1	90.4

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site - <http://www.eia.doe.gov/emeu/cbecs>.

* Figures in this table do not include enclosed malls and strip malls. Mall buildings add an estimated 213 thousand buildings comprising 6.9 billion square feet. In the 1999 CBECS, malls represented 6.6 percent of total consumption.

^a The definition for one or more of these row items has changed and may not be directly comparable with past CBECS estimates. See "Guide to the Tables" for discussion of the differences.

Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.

N=No responding cases in sample.

Notes: • Statistics for the "Energy End Uses" category represent total consumption in buildings that have the end use, not consumption specifically for that particular end use. • HVAC = Heating, Ventilation, and Air Conditioning. • Due to rounding, data may not sum to totals. Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A, C, and E of the 2003 Commercial Buildings Energy Consumption Survey.