

**Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003**

	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/square foot)		
	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
<b>All Buildings*</b> .....	155	447	288	17,163	28,766	17,378	9.0	15.5	16.6
<b>Building Floorspace (Square Feet)</b>									
1,001 to 5,000 .....	23	52	37	2,049	2,668	1,628	11.3	19.6	23.0
5,001 to 10,000 .....	15	35	27	1,859	2,854	1,484	8.1	12.2	18.1
10,001 to 25,000 .....	27	55	37	3,141	4,907	3,322	8.5	11.3	11.2
25,001 to 50,000 .....	16	56	31	2,344	3,994	2,047	6.7	13.9	15.3
50,001 to 100,000 .....	15	58	46	2,060	4,018	2,953	7.5	14.3	15.5
100,001 to 200,000 .....	19	69	53	2,113	3,911	2,993	9.2	17.7	17.7
200,001 to 500,000 .....	21	57	27	2,030	3,427	1,593	10.5	16.6	17.2
Over 500,000 .....	18	65	29	1,566	2,986	1,357	11.4	21.9	21.4
<b>Principal Building Activity</b>									
Education .....	22	53	34	3,191	4,359	2,321	6.8	12.3	14.4
Food Sales .....	Q	29	Q	Q	585	Q	Q	50.0	Q
Food Service .....	10	22	31	613	524	517	16.7	42.9	59.4
Health Care .....	14	43	16	730	1,671	762	19.2	25.5	21.0
Inpatient .....	11	35	7	456	1,218	231	23.7	28.4	30.2
Outpatient .....	3	8	9	273	453	531	11.7	17.9	17.0
Lodging .....	10	39	20	1,236	2,564	1,296	Q	15.3	15.1
Retail (Other Than Mall).....	8	24	29	1,026	1,804	1,487	8.2	13.3	19.7
Office .....	34	131	46	2,852	6,792	2,563	11.9	19.2	17.9
Public Assembly .....	7	20	22	1,455	1,445	1,035	4.6	13.9	21.6
Public Order and Safety .....	Q	7	Q	Q	385	Q	Q	18.5	Q
Religious Worship .....	4	6	7	1,522	1,328	904	2.9	4.8	8.1
Service .....	7	26	11	1,045	1,925	1,012	6.3	13.4	11.4
Warehouse and Storage .....	Q	25	30	1,941	3,851	3,633	8.3	6.5	8.4
Other .....	Q	19	14	Q	684	673	Q	28.0	Q
Vacant .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Census Region and Division</b>									
Northeast .....	45	72	31	5,944	4,834	2,031	7.5	15.0	15.0
New England .....	8	16	Q	1,404	1,058	479	5.4	15.2	16.7
Middle Atlantic .....	37	56	22	4,540	3,776	1,552	8.2	14.9	14.5
Midwest .....	48	104	63	5,494	7,376	3,832	8.8	14.1	16.6
East North Central .....	37	73	43	3,932	5,036	2,405	9.4	14.6	17.9
West North Central .....	11	31	20	1,562	2,339	1,427	7.2	13.2	14.2
South .....	40	186	149	3,506	10,654	8,606	11.3	17.5	17.3
South Atlantic .....	24	94	92	2,043	5,175	4,878	11.6	18.3	18.9
East South Central .....	6	28	16	535	1,656	1,029	11.8	16.6	15.7
West South Central .....	10	64	41	927	3,822	2,700	10.4	16.7	15.1
West .....	22	85	45	2,220	5,902	2,909	10.1	14.4	15.5
Mountain .....	6	36	14	524	2,204	904	10.6	16.4	15.7
Pacific .....	17	49	31	1,695	3,697	2,005	9.9	13.1	15.4
<b>Climate Zone: 30-Year Average</b>									
Under 2,000 CDD and --									
More than 7,000 HDD .....	24	61	35	3,335	4,624	2,435	7.1	13.2	14.3
5,500-7,000 HDD .....	53	115	56	5,898	7,607	3,571	8.9	15.2	15.7
4,000-5,499 HDD .....	38	84	44	4,024	4,894	2,458	9.4	17.3	17.9
Fewer than 4,000 HDD .....	28	108	83	2,908	7,309	4,954	9.8	14.8	16.7
2,000 CDD or More and --									
Fewer than 4,000 HDD .....	12	78	70	999	4,332	3,959	12.4	18.1	17.7

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**Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003**

	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/square foot)		
	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
<b>All Buildings*</b> .....	155	447	288	17,163	28,766	17,378	9.0	15.5	16.6
<b>Number of Floors</b>									
One .....	49	148	137	4,653	11,401	8,881	10.5	13.0	15.5
Two .....	34	99	69	4,361	7,474	4,143	7.8	13.3	16.6
Three .....	25	37	23	3,351	2,465	1,565	7.3	14.9	14.4
Four to Nine .....	26	101	47	3,384	4,507	2,175	7.8	22.5	21.4
Ten or More .....	21	62	13	1,415	2,919	613	14.7	21.3	21.1
<b>Elevators and Escalators (more than one may apply)</b>									
Any Elevators .....	63	234	120	6,479	11,645	6,371	9.8	20.1	18.8
Number of Elevators									
One .....	17	49	37	2,292	3,249	2,567	7.5	15.2	14.5
Two to Five .....	22	99	50	2,812	4,792	2,516	7.8	20.7	20.0
Six or More .....	24	85	32	1,375	3,605	1,288	17.7	23.5	24.8
Any Escalators .....	Q	41	Q	Q	1,598	Q	Q	25.7	Q
<b>Number of Workers (main shift)</b>									
Fewer than 5 .....	36	44	29	4,848	5,608	3,605	7.4	7.8	8.1
5 to 9 .....	15	37	21	1,766	2,693	1,687	8.2	13.9	12.3
10 to 19 .....	14	37	38	2,429	3,045	2,329	5.8	12.2	16.2
20 to 49 .....	24	70	60	3,158	4,568	3,236	7.7	15.2	18.4
50 to 99 .....	18	58	42	1,781	3,725	2,428	10.3	15.6	17.1
100 to 249 .....	18	72	45	1,284	3,779	1,808	13.6	19.2	24.8
250 or More .....	30	129	54	1,896	5,347	2,285	15.8	24.1	23.8
<b>Weekly Operating Hours</b>									
Fewer than 40 .....	6	12	8	2,019	2,548	1,333	3.2	4.6	6.1
40 to 48 .....	26	61	30	3,627	5,076	2,868	7.2	11.9	10.4
49 to 60 .....	38	92	46	4,564	7,361	3,777	8.2	12.5	12.1
61 to 84 .....	26	71	48	2,728	4,607	2,976	9.6	15.4	16.2
85 to 167 .....	20	64	69	1,353	2,818	2,770	14.6	22.9	25.0
Open Continuously .....	39	148	87	2,872	6,355	3,653	13.5	23.2	23.8
<b>Ownership and Occupancy</b>									
Nongovernment Owned .....	108	343	222	12,516	21,961	13,534	8.7	15.6	16.4
Owner Occupied .....									
Nonowner Occupied .....	57	160	101	7,103	10,371	5,981	8.0	15.4	16.9
Unoccupied .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Government Owned .....	46	104	66	4,647	6,804	3,844	10.0	15.3	17.1
Federal .....									
State .....	Q	17	Q	Q	737	Q	17.0	23.2	Q
Local .....	9	34	17	816	2,122	848	11.1	15.8	20.2
Local .....	23	53	41	2,992	3,945	2,620	7.7	13.5	15.8
<b>Vacancy Status</b>									
Completely Vacant .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Mostly Vacant .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant .....	33	93	43	3,680	5,665	2,853	8.9	16.4	15.0
Not At All Vacant .....	120	352	244	12,832	22,251	14,179	9.4	15.8	17.2
<b>Number of Establishments</b>									
One .....	112	300	215	12,146	19,255	12,978	9.2	15.6	16.5
2 to 5 .....	27	77	43	2,930	5,146	2,845	9.1	15.0	15.2
6 to 10 .....	4	17	13	467	989	501	8.1	16.9	26.4
11 to 20 .....	Q	17	Q	Q	974	Q	Q	17.8	Q
More than 20 .....	9	34	Q	607	1,720	Q	14.8	19.9	Q
Currently Unoccupied .....	Q	Q	Q	Q	Q	Q	Q	Q	Q

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	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/square foot)		
	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
<b>All Buildings*</b> .....	155	447	288	17,163	28,766	17,378	9.0	15.5	16.6
<b>Predominant Exterior Wall Material</b>									
Brick, Stone or Stucco .....	107	212	122	12,533	12,959	6,802	8.6	16.4	17.9
Concrete (Block or Poured) .....	30	78	46	2,664	5,391	2,683	11.4	14.5	17.3
Concrete Panels .....	Q	72	44	Q	3,493	2,728	Q	20.5	16.0
Siding or Shingles .....	8	16	20	1,128	1,512	1,335	6.9	10.7	15.0
Metal Panels .....	Q	41	40	485	3,854	3,038	10.7	10.7	13.3
Window Glass .....	Q	12	Q	Q	624	Q	Q	19.6	Q
Other .....	Q	11	Q	Q	726	Q	Q	15.7	Q
No One Major Type .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Predominant Roof Material</b>									
Built-Up .....	61	173	71	6,451	10,404	3,926	9.5	16.6	18.2
Shingles (Not Wood) .....	26	55	40	3,179	4,128	2,564	8.2	13.3	15.7
Metal Surfacing .....	7	46	62	943	4,753	5,538	7.3	9.6	11.3
Synthetic or Rubber .....	35	132	93	3,525	6,945	4,240	10.0	19.0	22.0
Slate or Tile .....	9	10	12	1,164	701	572	7.6	13.9	20.7
Wooden Materials .....	Q	7	Q	Q	461	Q	Q	15.3	Q
Concrete .....	Q	12	Q	Q	666	Q	Q	17.5	Q
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Renovations in Buildings Constructed Before 1980 (more than one may apply)</b>									
Any Type of Renovation									
Since 1980 .....	91	138	N	9,053	8,584	N	10.0	16.1	N
Addition or Annex .....	31	61	N	3,069	3,482	N	10.1	17.7	N
Reduction In Floorspace .....	7	Q	N	501	Q	N	13.2	Q	N
Cosmetic Improvements .....	67	108	N	6,735	6,267	N	10.0	17.3	N
Wall or Roof Replacement .....	41	61	N	4,166	3,890	N	9.8	15.6	N
Interior Wall									
Re-Configuration .....	42	76	N	4,175	4,327	N	9.9	17.6	N
HVAC Equipment Upgrade .....	59	96	N	5,433	5,332	N	10.8	18.0	N
Lighting Upgrade .....	54	86	N	5,481	4,792	N	9.9	17.9	N
Window Replacement .....	36	38	N	4,013	2,264	N	8.9	16.7	N
Plumbing System Upgrade .....	39	53	N	4,011	3,130	N	9.8	16.9	N
Insulation Upgrade .....	23	28	N	2,209	1,803	N	10.3	15.6	N
Other Renovation .....	3	Q	N	451	Q	N	7.4	Q	N
No Renovations Since 1980 .....	64	125	N	8,110	10,027	N	7.9	12.5	N
Building Newer than 1980 .....	N	184	288	N	10,154	17,378	N	18.1	16.6
<b>Energy Sources (more than one may apply)</b>									
Electricity .....	155	447	288	17,163	28,766	17,378	9.0	15.5	16.6
Natural Gas .....	106	318	210	12,091	19,763	11,608	8.7	16.1	18.1
Fuel Oil .....	44	139	67	4,995	6,951	3,196	8.8	20.1	20.9
District Heat .....	31	47	20	2,206	2,330	908	14.0	20.3	22.0
District Chilled Water .....	8	28	20	510	1,433	910	16.3	19.8	21.6
Propane .....	24	39	36	2,025	2,881	2,161	11.8	13.6	16.7
Other .....	2	14	Q	331	804	Q	6.9	17.1	Q

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	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/square foot)		
	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
<b>All Buildings*</b> .....	155	447	288	17,163	28,766	17,378	9.0	15.5	16.6
<b>Space-Heating Energy Sources</b>									
Electricity .....	61	238	158	5,769	13,818	9,013	10.5	17.2	17.5
Electricity Main .....	23	144	98	1,886	8,416	5,694	12.4	17.1	17.3
Electricity Secondary .....	37	93	59	3,883	5,402	3,319	9.6	17.3	17.9
Other Excluding Electricity .....	89	198	120	10,661	13,711	7,019	8.4	14.4	17.0
Buildings without Heating .....	5	12	11	733	1,237	1,346	6.8	9.4	7.9
<b>Primary Space-Heating Energy Source</b>									
Electricity .....	23	144	98	1,886	8,416	5,694	12.4	17.1	17.3
Natural Gas .....	83	232	144	9,425	15,149	8,390	8.8	15.3	17.2
Fuel Oil .....	10	9	Q	2,583	958	Q	4.0	9.3	Q
District Heat .....	29	43	19	2,001	2,044	862	14.6	20.9	22.0
Propane .....	4	6	10	450	768	729	8.3	8.1	14.4
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Cooling Energy Sources</b>									
Electricity .....	126	421	267	13,263	25,843	15,214	9.5	16.3	17.5
Other Excluding Electricity .....	Q	18	18	Q	1,090	922	Q	16.4	19.1
Buildings without Cooling .....	Q	8	4	3,308	1,832	1,241	5.7	4.4	2.9
<b>Water-Heating Energy Sources</b>									
Electricity .....	51	216	135	6,039	13,305	8,147	8.5	16.2	16.6
Other Excluding Electricity .....	85	216	144	8,530	13,104	7,338	9.9	16.5	19.7
Bldgs without Water Heating .....	Q	15	9	2,594	2,356	1,893	7.2	6.4	4.5
<b>Cooking Energy Sources</b>									
Electricity .....	38	132	79	3,320	6,449	3,392	11.3	20.4	23.4
Other Excluding Electricity .....	33	70	52	3,440	3,327	2,309	9.7	21.0	22.5
Buildings without Cooking .....	84	246	157	10,404	18,990	11,676	8.1	12.9	13.4
<b>Energy End Uses (more than one may apply)</b>									
Buildings with Space Heating .....	150	436	277	16,430	27,529	16,032	9.1	15.8	17.3
Buildings with Cooling .....	136	439	284	13,855	26,933	16,137	9.8	16.3	17.6
Buildings with Water Heating .....	136	432	279	14,569	26,409	15,484	9.3	16.4	18.0
Buildings with Cooking .....	71	202	131	6,760	9,776	5,701	10.5	20.6	23.0
Buildings with Manufacturing .....	7	20	15	928	1,480	730	7.2	13.4	20.3
Buildings with Electricity Generation .....	35	154	71	2,294	6,955	3,572	15.3	22.2	20.0
<b>Percent of Floorspace Heated</b>									
Not Heated .....	5	12	11	733	1,237	1,346	6.8	9.4	7.9
1 to 50 .....	9	19	26	1,955	2,608	2,266	4.8	7.4	11.5
51 to 99 .....	23	57	36	2,611	3,476	2,020	8.9	16.3	17.8
100 .....	117	360	215	11,864	21,446	11,746	9.9	16.8	18.3
<b>Percent of Floorspace Cooled</b>									
Not Cooled .....	Q	8	4	3,308	1,832	1,241	5.7	4.4	2.9
1 to 50 .....	31	59	40	5,393	7,014	4,176	5.8	8.3	9.6
51 to 99 .....	39	111	68	3,663	6,171	3,377	10.6	18.1	20.2
100 .....	66	269	176	4,799	13,748	8,584	13.8	19.6	20.5

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	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
<b>All Buildings*</b> .....	155	447	288	17,163	28,766	17,378	9.0	15.5	16.6
<b>Percent Lit When Open</b>									
Zero .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50 .....	18	26	22	3,977	3,766	2,461	4.5	6.9	8.9
51 to 99 .....	46	144	71	4,889	9,002	4,398	9.4	16.0	16.3
100 .....	89	274	194	7,611	15,221	9,957	11.7	18.0	19.4
Building Never Open/ Electricity Not Used .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Percent Lit When Closed</b>									
Zero .....	37	67	56	5,199	7,017	5,169	7.1	9.5	10.8
1 to 50 .....	76	213	123	8,854	14,432	7,662	8.6	14.8	16.1
51 to 100 .....	3	20	22	238	961	894	12.7	20.8	25.1
Building Never Closed/ Electricity Not Used .....	39	148	87	2,872	6,355	3,653	13.5	23.2	23.8
<b>Heating Equipment (more than one may apply)</b>									
Heat Pumps .....	20	79	54	1,617	4,223	2,973	12.5	18.6	18.3
Packaged Heat Pumps .....	11	62	33	796	3,059	1,587	14.1	20.1	20.5
Split-System Heat Pumps .....	5	20	15	364	1,214	1,003	12.6	16.7	14.9
Individual Room Heat Pumps .....	9	20	15	753	1,050	888	11.6	19.1	16.5
Furnaces .....	51	100	73	5,908	8,367	5,329	8.5	11.9	13.7
Individual Space Heaters .....	29	89	48	3,645	5,661	3,233	7.8	15.6	14.9
District Heat .....	30	44	19	2,147	2,139	880	13.9	20.5	22.0
Boilers .....	65	164	66	7,751	9,099	3,573	8.4	18.1	18.5
Packaged Heating Units .....	32	156	123	2,791	9,252	5,978	11.3	16.9	20.5
Other .....	4	29	16	386	1,659	1,197	11.0	17.2	13.8
<b>Cooling Equipment (more than one may apply)</b>									
Residential-Type Central									
Air Conditioners .....	32	62	40	3,470	4,779	2,786	9.1	12.9	14.4
Heat Pumps .....	22	78	60	1,699	4,241	3,102	13.0	18.4	19.5
Packaged Heat Pumps .....	12	60	33	860	2,997	1,569	14.4	20.1	20.9
Split-System Heat Pumps .....	5	20	15	419	1,205	981	13.0	16.6	15.7
Individual Room Heat Pumps .....	9	22	20	716	1,183	1,041	12.0	18.4	19.2
Individual Air Conditioners .....	39	69	33	5,406	5,295	1,858	7.2	13.0	17.7
District Chilled Water .....	8	28	20	510	1,433	910	16.3	19.8	21.6
Central Chillers .....	37	153	55	2,346	6,900	2,390	15.8	22.2	23.0
Packaged Air Conditioning Units .....	71	229	162	7,068	13,851	9,050	10.1	16.5	18.0
Swamp Coolers .....	Q	16	Q	Q	1,072	Q	Q	15.3	Q
Other .....	Q	9	Q	Q	528	Q	Q	17.6	Q
<b>Main Equipment Replaced Since 1990 (more than one may apply)</b>									
Heating .....	50	160	N	6,045	10,348	N	8.3	15.4	N
Cooling .....	72	215	N	7,686	13,309	N	9.3	16.1	N
<b>Water Heating Equipment</b>									
Centralized System .....	88	260	167	8,889	16,543	9,225	9.9	15.7	18.1
Distributed System .....	21	71	50	3,221	4,871	3,448	6.4	14.5	14.6
Combination of Centralized and Distributed System .....	28	101	62	2,459	4,996	2,812	11.2	20.2	22.1

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**Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003**

	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/square foot)		
	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
<b>All Buildings*</b> .....	155	447	288	17,163	28,766	17,378	9.0	15.5	16.6
<b>Lighting Equipment Types (more than one may apply)</b>									
Incandescent .....	98	318	172	11,094	18,083	9,351	8.8	17.6	18.4
Standard Fluorescent .....	148	438	279	15,996	27,530	16,161	9.3	15.9	17.3
Compact Fluorescent .....	72	264	152	6,587	13,504	7,480	10.9	19.5	20.4
High Intensity Discharge .....	55	151	124	4,992	9,231	6,420	11.0	16.4	19.3
Halogen .....	44	163	107	4,079	8,102	5,522	10.7	20.1	19.3
Other .....	Q	Q	Q	Q	Q	Q	Q	Q	Q
<b>Refrigeration Equipment (more than one may apply)<sup>a</sup></b>									
Any Refrigeration.....	131	410	271	13,973	24,165	14,836	9.4	17.0	18.3
Commercial Refrigeration .....	84	266	173	7,421	12,240	7,107	11.4	21.7	24.4
Walk-In Units .....	64	226	146	5,242	9,625	5,387	12.3	23.4	27.2
Cases or Cabinets .....	70	219	134	5,492	9,628	5,304	12.7	22.8	25.2
Residential-Type Units .....	90	269	160	11,110	17,563	10,211	8.1	15.3	15.7
Vending Machines .....	80	311	191	7,833	17,126	10,375	10.2	18.2	18.4
No Refrigeration .....	24	37	17	3,190	4,601	2,542	7.4	8.1	6.6
<b>Office Equipment (more than one may apply)</b>									
Computers .....	131	426	274	14,244	25,894	15,490	9.2	16.5	17.7
With Flat Screen Monitors .....	68	254	143	6,001	13,348	7,068	11.4	19.1	20.3
Dedicated Servers .....	84	322	190	8,136	17,936	10,265	10.4	17.9	18.5
Laser Printers .....	77	233	145	9,240	15,256	8,516	8.3	15.2	17.0
Inkjet Printers .....	77	275	182	6,987	15,573	9,650	11.1	17.6	18.8
FAX Machines .....	123	408	261	13,208	24,496	14,669	9.3	16.6	17.8
Photocopiers .....	106	362	224	11,473	21,832	12,952	9.2	16.6	17.3
<b>Number of Computers</b>									
None .....	24	21	14	2,920	2,872	1,888	8.1	7.4	7.2
1 to 4 .....	30	64	59	4,022	5,011	3,362	7.5	12.7	17.6
5 to 9 .....	14	35	31	2,124	2,820	2,236	6.5	12.5	14.0
10 to 19 .....	11	39	33	1,268	3,254	2,088	8.8	12.1	15.8
20 to 49 .....	19	55	46	1,808	3,178	2,428	10.4	17.3	18.9
50 to 99 .....	13	44	19	1,607	2,523	1,246	8.3	17.3	15.1
100 to 249 .....	16	56	36	1,507	3,277	1,907	10.3	17.1	19.0
250 or More .....	28	133	50	1,909	5,832	2,222	14.8	22.8	22.5
<b>Number of Dedicated Servers</b>									
None .....	70	125	98	9,027	10,829	7,112	7.8	11.6	13.8
1 to 4 .....	49	177	115	5,444	11,560	7,112	9.1	15.3	16.2
5 to 9 .....	10	37	26	1,078	1,607	1,180	9.4	23.0	22.3
10 to 19 .....	10	33	20	795	1,468	764	13.1	22.3	26.4
20 to 49 .....	Q	41	8	Q	1,921	423	Q	21.4	19.5
50 or More .....	10	34	20	581	1,380	787	17.5	24.7	25.4
<b>Number of Photocopiers</b>									
None .....	49	85	64	5,690	6,934	4,426	8.6	12.2	14.6
One .....	32	72	70	4,324	6,116	5,035	7.4	11.7	14.0
2 to 4 .....	30	107	70	3,669	7,155	4,258	8.1	15.0	16.5
5 to 9 .....	10	49	36	1,256	2,754	1,505	Q	17.8	23.6
10 or More .....	34	135	48	2,224	5,806	2,154	15.4	23.2	22.1

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**Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003**

	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/square foot)		
	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
<b>All Buildings*</b> .....	155	447	288	17,163	28,766	17,378	9.0	15.5	16.6
<b>Energy-Related Space Functions (more than one may apply)</b>									
Commercial Food Preparation .....	71	202	131	6,748	9,774	5,701	10.5	20.6	23.0
Activities with Large Amounts of Hot Water .....	52	178	111	4,912	9,140	5,430	10.6	19.5	20.5
Separate Computer Area .....	68	255	131	6,222	13,495	7,156	11.0	18.9	18.2
<b>HVAC Conservation Features (more than one may apply)</b>									
Variable Air-Volume System .....	45	209	118	3,465	9,798	6,335	13.0	21.3	18.6
Economizer Cycle .....	53	233	127	3,618	11,196	6,294	14.6	20.8	20.1
HVAC Maintenance .....	127	399	266	13,084	23,498	14,569	9.7	17.0	18.3
Energy Management and Control System (EMCS) .....	35	158	87	2,975	8,078	4,577	11.6	19.5	19.1
<b>Window and Interior Lighting Features (more than one may apply)</b>									
Multipaned Windows .....	84	293	216	9,534	16,692	12,502	8.8	17.6	17.3
Tinted Window Glass .....	63	273	157	5,462	14,980	9,183	11.5	18.2	17.1
Reflective Window Glass .....	19	81	53	1,576	4,009	2,943	12.3	20.2	17.8
External Overhangs or Awnings .....	38	149	95	4,112	8,141	4,919	9.3	18.3	19.3
Skylights or Atriums .....	23	102	64	2,661	6,126	3,722	8.5	16.7	17.3
Daylighting Sensors .....	5	31	25	448	1,407	1,014	10.3	21.7	24.9
Specular Reflectors .....	64	226	146	6,340	12,258	7,519	10.1	18.4	19.4
Electronic Ballasts .....	122	371	240	11,938	21,721	13,223	10.2	17.1	18.1
Energy Management and Control System (EMCS) For Lighting .....	6	51	34	565	2,606	1,610	11.1	19.4	21.3
<b>Equipment Usage Reduced When Building Not In Full Use (more than one may apply)<sup>a</sup></b>									
Heating .....	95	294	176	11,574	20,077	11,055	8.2	14.6	16.0
Cooling .....	99	304	192	11,103	20,157	11,930	9.0	15.1	16.1
Lighting .....	113	285	190	13,346	20,951	12,690	8.4	13.6	15.0
Office Equipment .....	46	96	69	6,195	8,140	5,062	7.4	11.8	13.7
<b>Annual Consumption (kilowatthours)</b>									
10,000 or Less .....	1	2	1	1,102	1,083	676	1.4	1.5	1.1
10,001 to 50,000 .....	15	19	10	3,538	3,820	1,870	4.3	5.1	5.5
50,001 to 100,000 .....	16	23	13	2,344	2,382	1,735	6.7	9.5	7.7
100,001 to 500,000 .....	42	100	67	4,712	7,155	4,244	9.0	13.9	15.9
500,001 to 1,000,000 .....	13	48	35	1,308	3,269	2,160	10.2	14.8	16.3
1,000,001 to 5,000,000 .....	35	136	98	2,329	6,488	4,391	14.9	20.9	22.4
Over 5,000,000 .....	32	120	63	1,830	4,568	2,301	17.4	26.3	27.2

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**Table C22. Electricity Consumption and Conditional Energy Intensity by Year Constructed for Non-Mall Buildings, 2003**

	Total Electricity Consumption (billion kWh)			Total Floorspace of Buildings Using Electricity (million square feet)			Electricity Energy Intensity (kWh/square foot)		
	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003	1959 or Before	1960 to 1989	1990 to 2003
<b>All Buildings*</b> .....	155	447	288	17,163	28,766	17,378	9.0	15.5	16.6
<b>Provider of Purchased Electricity (more than one may apply)</b>									
Local Utility .....	142	395	254	15,846	26,253	15,754	8.9	15.0	16.2
Some Other Provider .....	15	51	25	1,329	2,366	1,250	11.1	21.5	19.8

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/cbeecs>.

\* 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 9.7 percent of total electricity consumption.

<sup>a</sup> 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 that use electricity.

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.