

Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

	Electricity Consumption						Electricity Expenditures		
	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)
				25th Percentile	Median	75th Percentile			
All Buildings*	202	14.1	12.2	3.6	8.2	17.1	15.7	1.09	0.078
Building Floorspace (Square Feet)									
1,001 to 5,000	47	17.8	11.4	3.8	8.9	20.3	4.3	1.63	0.092
5,001 to 10,000	92	12.4	10.3	3.8	7.4	14.5	8.7	1.18	0.095
10,001 to 25,000	164	10.5	11.1	2.9	6.3	13.4	13.8	0.88	0.084
25,001 to 50,000	439	12.2	11.6	3.8	8.8	16.2	33.6	0.94	0.077
50,001 to 100,000	927	13.1	14.1	4.5	9.9	17.0	68.0	0.97	0.073
100,001 to 200,000	2,181	15.7	12.2	5.3	13.0	23.4	146.4	1.05	0.067
200,001 to 500,000	4,347	15.0	15.4	5.8	12.1	20.7	301.0	1.04	0.069
Over 500,000	17,034	19.0	12.8	10.0	16.6	25.2	1209.8	1.35	0.071
Principal Building Activity									
Education	283	11.0	8.7	4.9	8.9	13.6	21.1	0.82	0.075
Food Sales	276	49.4	43.0	33.4	48.0	77.0	20.9	3.74	0.076
Food Service	213	38.4	20.3	18.8	37.4	70.3	17.4	3.13	0.082
Health Care	564	22.9	11.5	6.1	12.0	18.4	37.9	1.54	0.067
Inpatient	6,628	27.5	14.1	21.8	24.0	35.6	405.3	1.68	0.061
Outpatient	168	16.1	7.8	5.8	11.3	16.5	13.9	1.34	0.083
Lodging	483	13.5	28.0	6.7	11.9	17.7	37.1	1.04	0.077
Retail (Other Than Mall).....	139	14.3	17.8	4.3	9.4	18.4	11.6	1.19	0.083
Office	256	17.3	7.5	6.5	11.5	17.6	20.7	1.40	0.081
Public Assembly	179	12.5	20.5	2.2	5.1	11.3	14.4	1.00	0.080
Public Order and Safety	237	15.3	12.4	4.0	7.9	17.6	17.2	1.12	0.073
Religious Worship	49	4.9	10.7	1.9	3.5	6.0	4.4	0.43	0.089
Service	73	11.0	12.0	3.0	6.3	11.8	5.8	0.88	0.080
Warehouse and Storage	154	7.6	16.7	1.4	3.1	6.2	10.8	0.53	0.070
Other	510	22.5	21.4	3.5	7.2	20.3	40.0	1.76	0.078
Vacant	42	2.4	Q	0.4	1.7	3.8	3.9	0.22	0.092
Year Constructed									
Before 1920	83	7.1	8.7	1.6	3.9	9.6	7.3	0.62	0.088
1920 to 1945	122	9.2	9.9	3.2	6.9	13.9	10.3	0.78	0.084
1946 to 1959	125	9.9	10.2	3.1	6.4	14.3	10.6	0.84	0.085
1960 to 1969	168	11.9	11.0	3.4	7.4	14.7	13.5	0.96	0.080
1970 to 1979	239	15.9	13.3	4.4	9.5	21.4	18.1	1.20	0.075
1980 to 1989	275	18.1	12.2	4.8	10.1	20.5	20.8	1.37	0.076
1990 to 1999	250	16.7	12.5	4.7	10.5	22.6	18.8	1.26	0.075
2000 to 2003	288	16.2	19.2	3.1	7.8	18.3	21.4	1.20	0.074
Census Region and Division									
Northeast	208	11.5	9.9	2.4	6.1	14.2	20.1	1.11	0.097
New England	139	10.8	10.0	1.8	4.3	13.2	13.7	1.06	0.099
Middle Atlantic	240	11.7	9.8	2.9	6.9	15.2	23.1	1.13	0.096
Midwest	182	12.9	13.2	3.5	7.9	15.9	11.9	0.85	0.066
East North Central	233	13.5	13.4	4.2	8.3	19.1	15.5	0.90	0.067
West North Central	118	11.7	12.8	3.0	7.2	13.6	7.4	0.74	0.063
South	226	16.5	13.9	4.1	9.2	19.7	15.4	1.12	0.068
South Atlantic	252	17.4	12.6	4.2	9.7	19.7	17.0	1.17	0.067
East South Central	160	15.5	16.4	3.8	8.4	19.8	10.7	1.04	0.067
West South Central	226	15.3	15.8	4.0	9.0	19.3	15.9	1.08	0.070
West	179	13.8	10.6	4.0	9.2	15.2	17.7	1.37	0.099
Mountain	196	15.4	13.1	4.3	8.6	14.4	15.0	1.18	0.076
Pacific	170	13.0	9.5	3.8	9.3	15.7	19.1	1.46	0.112

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Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

	Electricity Consumption						Electricity Expenditures		
	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)			per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)
				25th Percentile	Median	75th Percentile			
All Buildings*	202	14.1	12.2	3.6	8.2	17.1	15.7	1.09	0.078
Climate Zone: 30-Year Average									
Under 2,000 CDD and --									
More than 7,000 HDD	148	11.5	11.6	2.9	7.2	15.0	11.3	0.88	0.076
5,500-7,000 HDD	198	13.1	12.9	3.2	7.4	15.4	14.4	0.95	0.073
4,000-5,499 HDD	259	14.6	11.9	3.9	8.0	17.6	20.8	1.17	0.080
Fewer than 4,000 HDD	184	14.5	12.8	3.8	8.3	16.4	15.3	1.20	0.083
2,000 CDD or More and --									
Fewer than 4,000 HDD	255	17.3	11.5	4.9	12.7	22.9	19.1	1.30	0.075
Number of Floors									
One	114	13.4	14.1	3.7	8.2	18.0	9.2	1.08	0.080
Two	200	12.6	12.5	3.5	8.3	16.5	15.9	1.01	0.080
Three	251	11.4	10.5	3.1	7.1	14.9	19.2	0.87	0.076
Four to Nine	1,363	17.3	11.0	3.5	10.7	18.3	97.9	1.24	0.072
Ten or More	8,134	19.4	10.6	12.1	18.1	25.2	615.6	1.47	0.076
Elevators and Escalators (more than one may apply)									
Any Elevators	1,365	17.0	11.4	5.8	12.6	20.7	99.1	1.23	0.073
Number of Elevators									
One	508	12.8	11.4	5.2	10.6	18.3	37.7	0.95	0.074
Two to Five	1,955	17.0	10.8	8.1	16.9	25.2	140.6	1.22	0.072
Six or More	11,057	22.5	12.2	12.5	19.0	29.5	797.9	1.62	0.072
Any Escalators	9,366	24.1	14.0	10.4	14.9	22.6	677.6	1.74	0.072
Number of Workers (main shift)									
Fewer than 5	45	7.7	23.9	2.4	5.4	12.3	3.9	0.68	0.087
5 to 9	94	11.8	14.4	5.5	10.3	20.5	8.2	1.04	0.088
10 to 19	158	11.4	12.2	5.9	10.8	20.6	13.6	0.98	0.086
20 to 49	386	14.0	13.0	8.1	13.6	21.3	30.1	1.09	0.078
50 to 99	802	14.9	12.4	8.9	15.0	21.7	57.9	1.08	0.072
100 to 249	1,759	19.6	12.1	10.9	19.1	30.4	127.5	1.42	0.072
250 or More	7,165	22.4	9.1	14.8	22.8	29.4	511.9	1.60	0.071
Weekly Operating Hours									
Fewer than 40	30	4.5	8.0	1.6	3.2	6.5	2.9	0.42	0.094
40 to 48	105	10.1	8.5	4.0	7.5	12.9	8.7	0.83	0.082
49 to 60	166	11.2	9.2	4.2	8.7	15.7	13.5	0.91	0.081
61 to 84	251	14.1	12.5	7.1	13.8	27.1	19.9	1.12	0.079
85 to 167	408	22.1	14.7	13.8	33.4	58.5	29.8	1.61	0.073
Open Continuously	647	21.2	18.8	4.9	13.7	29.5	47.4	1.55	0.073
Ownership and Occupancy									
Nongovernment Owned									
Owner Occupied	178	14.0	12.7	3.4	8.0	17.9	14.3	1.13	0.080
Nonowner Occupied	175	13.6	11.8	3.5	7.2	15.1	14.0	1.08	0.080
Unoccupied	187	15.2	13.5	3.6	9.4	21.7	15.1	1.22	0.081
Government Owned	30	1.9	N	0.4	1.7	3.4	2.9	Q	Q
Federal	348	14.1	11.1	4.8	9.3	15.3	24.0	0.97	0.069
State	842	19.7	15.8	4.3	9.2	17.3	47.3	1.11	0.056
Local	366	15.8	8.3	5.9	9.1	14.5	24.3	1.05	0.066
Local	286	12.3	12.0	4.8	9.5	15.8	21.3	0.92	0.075

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	Electricity Consumption						Electricity Expenditures		
	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)					
				25th Per-centile	Median	75th Per-centile	per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)
All Buildings*	202	14.1	12.2	3.6	8.2	17.1	15.7	1.09	0.078
Vacancy Status									
Completely Vacant	32	1.8	N	0.4	1.5	3.4	3.0	0.17	0.096
Mostly Vacant	Q	Q	Q	1.4	3.0	8.0	Q	Q	Q
Partially Vacant	338	13.8	9.9	2.9	6.7	14.2	26.5	1.08	0.078
Not At All Vacant	189	14.6	12.9	3.9	8.7	18.3	14.6	1.12	0.077
Number of Establishments									
One	174	14.1	14.2	3.7	8.3	18.2	13.5	1.09	0.077
2 to 5	232	13.5	11.3	3.9	8.7	15.3	18.0	1.05	0.078
6 to 10	616	17.3	5.2	5.5	11.2	18.3	48.0	1.34	0.078
11 to 20	1,259	14.7	8.6	4.7	14.2	19.1	99.6	1.16	0.079
More than 20	3,544	19.6	8.6	3.0	10.5	18.7	281.6	1.56	0.079
Currently Unoccupied	32	1.8	N	0.4	1.5	3.4	3.0	0.17	0.096
Predominant Exterior Wall Material									
Brick, Stone or Stucco	222	13.7	12.0	4.4	9.7	20.3	17.1	1.06	0.077
Concrete (Block or Poured)	205	14.5	14.9	4.0	9.4	20.0	16.4	1.16	0.080
Concrete Panels	956	18.3	10.8	5.8	11.3	26.2	68.8	1.32	0.072
Siding or Shingles	59	11.0	9.6	3.3	7.4	14.1	5.4	1.01	0.091
Metal Panels	122	11.8	14.1	2.1	4.5	9.7	9.4	0.91	0.077
Window Glass	1,148	19.1	10.2	6.6	17.0	27.6	85.8	1.43	0.075
Other	423	16.7	12.0	2.0	9.5	21.6	32.4	1.28	0.077
No One Major Type	Q	Q	Q	1.1	5.4	10.4	Q	Q	Q
Predominant Roof Material									
Built-Up	303	14.7	11.8	4.9	11.3	24.4	24.0	1.16	0.079
Shingles (Not Wood)	94	12.3	11.6	3.2	7.1	14.7	8.0	1.04	0.085
Metal Surfacing	101	10.2	13.7	2.4	5.3	11.1	7.8	0.79	0.077
Synthetic or Rubber	518	17.7	12.6	6.0	12.3	24.5	37.0	1.27	0.071
Slate or Tile	118	12.5	10.1	5.0	9.7	19.6	11.0	1.16	0.093
Wooden Materials	91	12.2	11.1	4.2	8.3	15.7	7.3	0.99	0.081
Concrete	477	Q	14.8	6.2	11.4	24.2	33.4	Q	0.070
Other	908	20.4	18.6	5.8	15.3	39.2	63.2	1.42	0.070
No One Major Type	237	10.4	8.8	3.0	5.8	21.6	22.8	1.01	0.097
Renovations in Buildings Constructed Before 1980 (more than one may apply)									
Any Type of Renovation									
Since 1980	227	13.0	11.2	3.7	8.2	15.7	17.7	1.01	0.078
Addition or Annex	360	14.1	13.9	4.0	8.7	17.0	25.4	0.99	0.070
Reduction In Floorspace	699	15.2	14.2	7.4	13.1	29.5	53.7	1.17	0.077
Cosmetic Improvements	239	13.5	11.1	3.7	8.0	15.8	18.8	1.06	0.079
Wall or Roof Replacement	278	12.6	10.0	3.2	6.9	15.0	22.2	1.01	0.080
Interior Wall									
Re-Configuration	289	13.8	10.5	4.1	8.2	17.5	22.2	1.06	0.077
HVAC Equipment Upgrade	351	14.4	11.2	4.3	8.2	16.0	26.9	1.10	0.077
Lighting Upgrade	309	13.6	11.2	3.7	8.0	15.4	23.7	1.05	0.077
Window Replacement	239	11.7	9.8	4.0	7.2	13.5	20.1	0.98	0.084
Plumbing System Upgrade	294	12.9	10.5	3.9	7.9	15.0	23.5	1.03	0.080
Insulation Upgrade	227	12.7	10.2	3.0	6.7	13.2	18.0	1.01	0.080
Other Renovation	246	9.0	9.9	3.7	10.1	24.0	27.0	0.99	0.110
No Renovations Since 1980	117	10.5	11.4	3.1	6.7	14.1	9.7	0.87	0.083
Building Newer than 1980	266	17.1	13.2	4.4	10.0	20.6	20.0	1.29	0.075

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	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)					
				25th Percentile	Median	75th Percentile	per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)
All Buildings*	202	14.1	12.2	3.6	8.2	17.1	15.7	1.09	0.078
Energy Sources (more than one may apply)									
Electricity	202	14.1	12.2	3.6	8.2	17.1	15.7	1.09	0.078
Natural Gas	265	14.6	12.2	4.3	8.8	18.5	20.3	1.12	0.077
Fuel Oil	558	16.5	12.8	2.2	5.5	14.0	41.5	1.23	0.074
District Heat	1,467	18.0	9.6	6.4	12.6	20.4	97.5	1.20	0.066
District Chilled Water	1,711	19.7	7.8	10.9	15.3	23.1	111.4	1.29	0.065
Propane	199	14.0	16.9	3.3	6.9	14.0	14.5	1.02	0.073
Other	180	16.4	12.1	2.8	5.3	11.2	12.2	1.11	0.068
Space-Heating Energy Sources									
Electricity	258	15.9	13.4	5.5	11.3	20.8	19.7	1.22	0.076
Electricity Main	211	16.6	13.7	6.3	12.6	23.3	16.3	1.28	0.077
Electricity Secondary	375	15.1	13.1	4.7	8.7	16.1	28.3	1.14	0.075
Other Excluding Electricity	184	13.0	11.0	3.3	6.9	14.1	14.2	1.00	0.077
Buildings without Heating	63	8.2	14.0	0.9	2.8	12.2	6.4	0.84	0.102
Primary Space-Heating Energy Source									
Electricity	211	16.6	13.7	6.3	12.6	23.3	16.3	1.28	0.077
Natural Gas	230	13.9	12.5	4.2	8.0	16.0	17.7	1.07	0.077
Fuel Oil	80	5.9	8.4	1.8	3.4	8.2	8.0	0.59	0.100
District Heat	1,432	18.5	9.3	4.9	12.6	20.7	93.3	1.20	0.065
Propane	67	10.5	10.7	2.9	6.2	12.0	6.3	0.98	0.093
Other	70	12.6	15.9	2.5	4.0	9.4	4.7	0.85	0.067
Cooling Energy Sources									
Electricity	227	15.0	12.9	4.9	9.8	19.4	17.7	1.17	0.078
Other Excluding Electricity	1,340	17.5	6.6	7.0	11.2	19.1	92.7	1.21	0.069
Buildings without Cooling	39	4.8	11.8	1.1	2.4	5.1	3.2	0.39	0.082
Water-Heating Energy Sources									
Electricity	211	14.6	12.3	4.4	9.6	18.5	15.9	1.10	0.075
Other Excluding Electricity	285	15.4	12.2	4.8	9.9	20.1	22.6	1.22	0.079
Bldgs without Water Heating	45	6.2	12.1	1.5	3.7	9.1	3.8	0.51	0.083
Cooking Energy Sources									
Electricity	606	18.9	15.5	6.9	18.3	39.5	43.5	1.36	0.072
Other Excluding Electricity	397	17.1	13.8	6.3	15.0	40.7	30.5	1.31	0.077
Buildings without Cooking	135	11.8	10.7	3.3	7.2	14.2	10.9	0.96	0.081
Energy End Uses (more than one may apply)									
Buildings with Space Heating	217	14.4	12.2	4.1	8.7	17.7	16.7	1.10	0.077
Buildings with Cooling	237	15.1	12.3	4.9	9.9	19.4	18.4	1.17	0.077
Buildings with Water Heating	244	15.0	12.2	4.6	9.7	19.2	18.9	1.16	0.077
Buildings with Cooking	504	18.2	14.8	6.6	16.5	40.0	37.2	1.34	0.074
Buildings with Manufacturing	349	13.2	14.4	3.1	6.7	9.9	26.3	0.99	0.075
Buildings with Electricity Generation	1,748	20.3	13.5	9.9	16.7	25.8	125.2	1.46	0.072

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	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)					
				25th Percentile	Median	75th Percentile	per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)
All Buildings*	202	14.1	12.2	3.6	8.2	17.1	15.7	1.09	0.078
Percent of Floorspace Heated									
Not Heated	63	8.2	14.0	0.9	2.8	12.2	6.4	0.84	0.102
1 to 50	105	8.0	13.3	2.4	4.8	9.2	8.9	0.68	0.085
51 to 99	233	14.3	12.0	4.0	8.4	18.5	18.3	1.12	0.079
100	234	15.4	12.1	4.6	9.7	18.6	17.8	1.17	0.076
Percent of Floorspace Cooled									
Not Cooled	39	4.8	11.8	1.1	2.4	5.1	3.2	0.39	0.082
1 to 50	132	7.8	11.7	3.1	5.7	10.1	11.1	0.66	0.084
51 to 99	348	16.5	13.2	6.1	11.2	22.5	26.9	1.28	0.077
100	254	18.8	12.0	6.2	12.4	23.1	19.3	1.43	0.076
Percent Lit When Open									
Zero	Q	Q	Q	0.8	1.2	1.9	Q	Q	Q
1 to 50	71	6.5	14.9	2.3	4.7	9.7	6.4	0.58	0.090
51 to 99	236	14.3	9.8	4.4	8.8	17.1	18.9	1.14	0.080
100	256	17.0	13.4	5.0	11.1	21.9	19.2	1.27	0.075
Building Never Open/ Electricity Not Used	25	2.1	Q	0.4	1.7	3.8	2.3	0.19	0.090
Percent Lit When Closed									
Zero	81	9.2	8.8	2.5	5.5	11.4	6.7	0.75	0.082
1 to 50	219	13.3	11.0	5.1	10.8	21.5	17.4	1.06	0.080
51 to 100	333	21.7	16.3	6.3	12.9	32.6	23.1	1.50	0.069
Building Never Closed/ Electricity Not Used	647	21.2	18.8	4.9	13.7	29.5	47.4	1.55	0.073
Heating Equipment (more than one may apply)									
Heat Pumps	322	17.4	14.2	6.4	12.2	22.2	24.4	1.32	0.076
Packaged Heat Pumps	379	19.3	14.1	7.4	13.2	24.1	28.5	1.46	0.075
Split-System Heat Pumps	239	15.4	14.4	5.1	9.2	21.0	17.7	1.14	0.074
Individual Room Heat Pumps	751	16.1	14.6	9.8	13.6	20.7	56.9	1.22	0.076
Furnaces	120	11.4	12.0	3.5	7.1	14.1	9.6	0.91	0.080
Individual Space Heaters	202	13.2	12.8	4.0	8.4	14.9	15.1	0.99	0.075
District Heat	1,435	18.0	9.5	4.9	12.6	20.7	93.3	1.17	0.065
Boilers	511	14.5	12.6	3.4	7.9	16.6	38.1	1.08	0.075
Packaged Heating Units	326	17.2	13.7	6.1	12.7	24.8	25.5	1.35	0.078
Other	249	15.2	14.3	4.2	8.8	16.9	17.4	1.06	0.070
Cooling Equipment (more than one may apply)									
Residential-Type Central									
Air Conditioners	133	12.1	11.7	4.5	8.6	15.8	10.7	0.97	0.081
Heat Pumps	326	17.7	14.6	6.6	12.0	22.4	24.5	1.33	0.075
Packaged Heat Pumps	366	19.4	14.1	7.2	12.6	23.8	27.5	1.46	0.075
Split-System Heat Pumps	235	15.7	14.8	5.9	10.9	21.5	17.3	1.15	0.074
Individual Room Heat Pumps	867	17.1	15.4	9.7	13.6	21.7	64.2	1.27	0.074
Individual Air Conditioners	189	11.2	12.2	3.6	6.8	13.5	15.2	0.90	0.080
District Chilled Water	1,711	19.7	7.8	10.9	15.3	23.1	111.4	1.29	0.065
Central Chillers	2,212	21.1	14.0	11.2	16.9	25.9	154.1	1.47	0.070
Packaged Air Conditioning									
Units	287	15.4	12.9	5.6	11.5	23.4	22.5	1.21	0.078
Swamp Coolers	181	14.1	13.3	4.0	10.1	19.9	14.8	1.16	0.082
Other	584	18.0	13.1	8.7	12.8	23.4	41.2	1.27	0.070

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Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

	Electricity Consumption						Electricity Expenditures		
	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)					
				25th Percentile	Median	75th Percentile	per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)
All Buildings*	202	14.1	12.2	3.6	8.2	17.1	15.7	1.09	0.078
Main Equipment Replaced Since 1990 (more than one may apply)									
Heating	176	12.8	12.4	4.0	8.3	16.2	13.9	1.01	0.079
Cooling	211	13.6	11.7	4.5	9.2	18.3	16.8	1.08	0.079
Water Heating Equipment									
Centralized System	205	14.9	12.9	4.8	10.1	20.1	16.3	1.18	0.079
Distributed System	180	12.3	12.0	4.0	8.0	15.8	14.3	0.98	0.080
Combination of Centralized and Distributed System	1,092	18.6	10.9	8.4	13.5	22.5	76.8	1.31	0.070
Lighting Equipment Types (more than one may apply)									
Incandescent	269	15.3	12.0	3.6	8.4	16.9	20.3	1.15	0.076
Standard Fluorescent	219	14.5	12.2	4.2	8.9	18.4	17.0	1.12	0.077
Compact Fluorescent	519	17.7	13.3	5.1	11.4	23.7	38.9	1.33	0.075
High Intensity Discharge	725	16.0	12.7	5.0	10.1	18.6	52.0	1.15	0.072
Halogen	554	17.7	13.7	4.9	11.2	23.3	40.7	1.30	0.073
Other	Q	Q	Q	25.1	35.6	49.8	Q	Q	Q
Refrigeration Equipment (more than one may apply)^a									
Any Refrigeration.....	256	15.3	12.4	4.7	10.0	20.8	19.6	1.18	0.077
Commercial Refrigeration	520	19.6	16.2	9.2	21.9	48.0	38.3	1.44	0.074
Walk-In Units	655	21.5	17.3	13.4	32.2	58.5	47.7	1.57	0.073
Cases or Cabinets	512	20.7	16.6	9.6	23.5	49.9	38.0	1.53	0.074
Residential-Type Units	219	13.3	10.8	4.1	8.4	15.5	16.9	1.03	0.077
Vending Machines	584	16.5	12.7	5.6	11.5	22.2	42.2	1.19	0.072
No Refrigeration	63	7.5	10.9	2.0	4.4	10.1	5.4	0.65	0.086
Office Equipment (more than one may apply)									
Computers	270	15.0	12.0	5.0	9.9	18.7	20.8	1.15	0.077
With Flat Screen Monitors	531	17.6	11.0	6.6	12.0	20.3	39.9	1.32	0.075
Dedicated Servers	508	16.4	11.4	6.9	12.3	20.7	38.3	1.24	0.075
Laser Printers	231	13.8	11.3	4.7	9.0	17.6	18.3	1.09	0.079
Inkjet Printers	376	16.6	12.2	6.2	11.3	20.2	28.1	1.24	0.075
FAX Machines	292	15.1	11.8	5.3	10.3	19.3	22.4	1.16	0.077
Photocopiers	357	15.0	11.3	4.9	9.8	17.4	27.0	1.13	0.076
Number of Computers									
None	44	7.6	15.9	1.8	4.1	11.6	3.8	0.65	0.086
1 to 4	92	12.4	17.6	4.1	8.1	17.6	7.7	1.04	0.084
5 to 9	143	11.2	13.3	5.8	9.5	18.3	11.8	0.92	0.082
10 to 19	226	12.6	12.2	7.3	11.9	19.3	18.2	1.02	0.081
20 to 49	470	16.1	12.7	8.8	13.5	21.7	36.6	1.26	0.078
50 to 99	690	14.1	10.9	7.7	13.4	19.2	51.5	1.05	0.075
100 to 249	1,359	16.1	12.2	7.9	14.7	23.5	96.7	1.15	0.071
250 or More	5,611	21.2	9.5	11.4	19.0	29.4	400.1	1.51	0.071

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Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

	Electricity Consumption						Electricity Expenditures		
	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)					
				25th Per- centile	Median	75th Per- centile	per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)
All Buildings*	202	14.1	12.2	3.6	8.2	17.1	15.7	1.09	0.078
Number of Dedicated Servers									
None	91	10.9	14.5	2.9	6.6	15.1	7.5	0.89	0.082
1 to 4	323	14.2	12.8	6.6	11.7	19.7	24.6	1.08	0.076
5 to 9	1,272	19.0	12.1	11.2	17.0	25.9	97.3	1.45	0.076
10 to 19	2,096	20.9	7.4	10.0	18.9	29.4	147.3	1.47	0.070
20 to 49	3,109	20.7	11.2	9.9	18.7	25.3	213.9	1.43	0.069
50 or More	6,472	23.4	10.1	17.9	18.2	31.2	515.2	1.86	0.080
Number of Photocopiers									
None	80	11.6	17.4	2.8	6.9	16.9	6.7	0.97	0.084
One	139	11.2	13.9	4.3	8.4	15.0	11.3	0.91	0.081
2 to 4	377	13.7	12.0	6.1	11.0	18.2	28.3	1.03	0.075
5 to 9	1,110	17.2	8.9	10.1	15.6	29.3	83.7	1.29	0.075
10 or More	3,977	21.2	10.4	11.3	17.6	23.9	287.0	1.53	0.072
Energy-Related Space Functions (more than one may apply)									
Commercial Food Preparation	505	18.2	14.8	6.6	16.5	40.3	37.2	1.34	0.074
Activities with Large Amounts of Hot Water	603	17.6	15.7	7.2	13.2	26.0	43.6	1.27	0.072
Separate Computer Area	821	16.9	12.0	6.6	11.5	19.2	60.2	1.24	0.073
HVAC Conservation Features (more than one may apply)									
Variable Air-Volume System	798	19.0	12.1	7.5	14.2	26.5	57.4	1.36	0.072
Economizer Cycle	812	19.5	12.8	8.2	14.9	27.3	58.3	1.41	0.072
HVAC Maintenance	308	15.5	12.5	4.8	10.4	20.0	23.5	1.18	0.076
Energy Management and Control System (EMCS)	1,109	17.9	12.9	8.0	13.6	23.7	81.1	1.31	0.073
Window and Interior Lighting Features (more than one may apply)									
Multipaned Windows	273	15.3	13.5	4.5	9.3	18.4	20.1	1.13	0.074
Tinted Window Glass	375	16.6	12.2	4.8	11.0	21.3	28.3	1.25	0.075
Reflective Window Glass	501	17.9	12.4	4.7	9.5	18.9	37.0	1.33	0.074
External Overhangs or Awnings	231	16.4	12.6	5.8	11.4	23.2	17.9	1.27	0.077
Skylights or Atriums	584	15.1	13.4	4.1	8.7	15.9	43.2	1.12	0.074
Daylighting Sensors	816	21.1	16.0	5.6	10.1	25.6	65.4	1.69	0.080
Specular Reflectors	470	16.7	13.2	5.4	10.4	18.6	34.6	1.23	0.074
Electronic Ballasts	284	15.6	12.4	4.5	9.5	19.3	21.7	1.19	0.076
Energy Management and Control System (EMCS) For Lighting	1,528	19.1	12.8	10.8	17.8	34.5	116.0	1.45	0.076
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a									
Heating	197	13.2	11.5	3.7	7.6	15.4	15.7	1.06	0.080
Cooling	216	13.8	11.0	4.5	8.9	16.7	17.2	1.10	0.080
Lighting	160	12.5	10.4	3.9	8.4	16.5	12.7	1.00	0.080
Office Equipment	141	10.9	10.5	4.3	8.1	14.1	11.6	0.90	0.083

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Table C14. Electricity Consumption and Expenditure Intensities for Non-Mall Buildings, 2003

	Electricity Consumption						Electricity Expenditures		
	per Building (thousand kWh)	per Square Foot (kWh)	per Worker (thousand kWh)	Distribution of Building-Level Intensities (kWh/square foot)					
				25th Per-centile	Median	75th Per-centile	per Building (thousand dollars)	per Square Foot (dollars)	per kWh (dollars)
All Buildings*	202	14.1	12.2	3.6	8.2	17.1	15.7	1.09	0.078
Annual Consumption (kilowatthours)									
10,000 or Less	5	1.3	2.8	1.0	1.9	3.2	0.6	0.17	0.124
10,001 to 50,000	26	4.9	6.1	3.8	6.9	11.7	2.7	0.51	0.104
50,001 to 100,000	73	8.0	8.6	6.4	11.4	24.0	7.2	0.78	0.098
100,001 to 500,000	220	13.0	12.2	10.1	18.9	40.0	18.9	1.12	0.086
500,001 to 1,000,000	684	14.4	13.6	12.0	16.9	30.0	54.5	1.15	0.080
1,000,001 to 5,000,000	2,087	20.3	13.5	16.0	23.4	37.7	143.9	1.40	0.069
Over 5,000,000	11,458	24.7	15.6	20.0	27.5	36.8	775.0	1.67	0.068
Provider of Purchased Electricity (more than one may apply)									
Local Utility	187	13.7	12.0	3.5	8.1	16.7	14.5	1.06	0.078
Some Other Provider	594	18.3	12.9	6.5	12.4	22.9	46.4	1.43	0.078

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 9.7 percent of total electricity 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 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.