

Table 3. Types of Office Building, Floorspace, 2003

	Total Floorspace (million square feet)				
	All Buildings*	Office Buildings			
		All Office	Administrative/ Professional	Government	All Other Office
All Buildings.....	64,783	12,208	6,628	1,549	4,031
Building Floorspace (Square Feet)					
Small (1,001 to 5,000).....	6,789	1,382	730	Q	546
Medium (5,001 to 50,000).....	26,789	4,331	2,301	560	1,470
Large (Over 50,000).....	31,206	6,495	3,597	883	2,015
Year Constructed					
Before 1960	17,685	2,852	1,454	433	965
1960 to 1989.....	29,205	6,792	3,773	724	2,295
1990 to 2003.....	17,893	2,563	1,401	392	770
Census Region and Division					
Northeast.....	12,905	3,012	1,560	316	1,136
New England.....	2,964	578	332	Q	Q
Middle Atlantic.....	9,941	2,434	1,228	217	988
Midwest.....	17,080	2,989	1,584	486	919
East North Central.....	11,595	2,190	1,242	374	575
West North Central.....	5,485	799	342	Q	345
South.....	23,489	3,782	2,011	564	1,206
South Atlantic.....	12,258	1,958	1,007	Q	633
East South Central.....	3,393	481	253	Q	Q
West South Central.....	7,837	1,343	752	Q	462
West.....	11,310	2,425	1,473	183	769
Mountain.....	3,675	629	346	Q	208
Pacific.....	7,635	1,796	1,127	Q	561
Climate Zone: 30 Year Average					
Under 2,000 CDD and					
More than 7,000 HDD.....	10,622	1,593	836	196	561
5,500 7,000 HDD.....	17,335	3,165	1,793	513	859
4,000 5,499 HDD.....	11,504	3,125	1,337	497	1,291
Fewer than 4,000 HDD.....	15,739	2,341	1,490	141	709
2,000 CDD or More and					
Fewer than 4,000 HDD.....	9,584	1,985	1,172	Q	611
Number of Floors					
One.....	25,981	2,460	1,172	394	893
Two.....	16,270	2,269	1,215	266	788
Three.....	7,501	1,810	1,102	Q	539
Four to Nine.....	10,085	2,644	1,550	513	580
Ten or More.....	4,947	3,025	1,589	Q	1,230
Elevators and Escalators (more than one may apply)					
Any Elevators.....	24,617	7,721	4,370	948	2,404
Number of Elevators					
One.....	8,221	1,725	1,089	Q	453
Two to Five.....	10,129	2,832	1,593	310	929
Six or More.....	6,268	3,164	1,688	Q	1,022
Any Escalators.....	2,350	1,143	Q	Q	Q

Table 3. Types of Office Building, Floorspace, 2003

	Total Floorspace (million square feet)				
	All Buildings*	Office Buildings			
		All Office	Administrative/ Professional	Government	All Other Office
All Buildings.....	64,783	12,208	6,628	1,549	4,031
Number of Workers (main shift)					
Fewer than 5.....	15,492	767	474	Q	224
5 to 9.....	6,166	964	310	Q	531
10 to 19.....	7,803	848	457	Q	305
20 to 49.....	10,989	1,755	1,014	231	510
50 to 99.....	7,934	1,291	699	Q	425
100 to 249.....	6,871	1,663	1,050	Q	395
250 or More.....	9,528	4,920	2,624	654	1,642
Weekly Operating Hours					
Fewer than 40.....	6,863	221	Q	Q	Q
40 to 48.....	11,622	3,366	1,795	578	993
49 to 60.....	15,723	4,392	2,510	649	1,233
61 to 84.....	10,334	2,009	1,246	Q	616
85 to 167.....	7,092	504	345	Q	Q
Open Continuously.....	13,149	1,717	683	Q	946
Ownership and Occupancy					
Nongovernment Owned.....	49,421	10,515	6,225	316	3,974
Owner Occupied.....	23,591	5,571	3,513	Q	2,004
Nonowner Occupied.....	23,914	4,944	2,712	262	1,970
Unoccupied.....	1,916	N	N	N	N
Government Owned	15,363	1,693	403	1,233	Q
Federal	1,956	482	Q	451	Q
State	3,808	531	Q	Q	Q
Local	9,599	680	Q	500	Q
Vacancy Status					
Completely Vacant	2,161	N	N	N	N
Mostly Vacant	406	N	N	N	N
Partially Vacant	12,382	5,600	3,160	329	2,112
Not At All Vacant	49,834	6,608	3,468	1,220	1,919
Number of Establishments					
One	45,144	4,894	2,368	1,019	1,508
2 to 5	10,960	2,709	1,704	339	666
6 to 10	1,958	1,144	684	Q	358
11 to 20	1,951	1,332	695	Q	586
More than 20	2,609	2,129	1,178	Q	912
Currently Unoccupied	2,161	N	N	N	N
Multibuilding Facility					
Not Part of a Multibuilding					
Facility	40,048	8,186	4,334	902	2,950
College or University	3,480	345	335	N	Q
Primary or Secondary School	3,947	Q	Q	N	N
Office Complex	2,712	2,239	1,406	Q	811
Retail Complex	1,238	Q	Q	N	Q
Religious Campus or Complex	2,347	Q	Q	N	N
Health Care Complex	2,303	Q	Q	Q	Q
Lodging or Resort Complex	912	Q	Q	N	N
Government Complex	2,014	579	Q	559	N
Other	5,783	564	331	Q	Q

Table 3. Types of Office Building, Floorspace, 2003

	Total Floorspace (million square feet)				
	All Buildings*	Office Buildings			
		All Office	Administrative/ Professional	Government	All Other Office
All Buildings.....	64,783	12,208	6,628	1,549	4,031
Predominant Exterior					
Wall Material					
Brick, Stone or Stucco	32,817	6,508	3,546	1,080	1,881
Concrete (Block or Poured)	10,832	1,216	711	Q	349
Concrete Panels	6,559	1,815	1,032	Q	646
Siding or Shingles	4,120	627	352	Q	194
Metal Panels	7,912	767	312	Q	420
Window Glass	1,024	663	380	Q	Q
Other	1,113	504	Q	Q	Q
No One Major Type	406	Q	Q	N	Q
Predominant Roof Material					
Built Up	21,170	4,899	2,645	603	1,650
Shingles (Not Wood)	10,195	1,551	916	Q	500
Metal Surfacing	11,944	939	397	Q	421
Synthetic or Rubber	14,730	3,472	1,879	403	1,190
Slate or Tile	2,462	537	216	Q	Q
Wooden Materials	887	189	Q	Q	Q
Concrete	2,231	437	Q	Q	Q
Other	598	Q	Q	Q	Q
No One Major Type	565	Q	Q	N	Q
Renovations in Buildings					
Constructed Before 1980					
(more than one may apply)					
Any Type of Renovation					
Since 1980	17,844	3,270	1,548	475	1,247
Addition or Annex	6,551	444	193	Q	Q
Reduction In Floorspace	1,012	Q	Q	Q	Q
Cosmetic Improvements	13,119	2,663	1,353	261	1,049
Wall or Roof Replacement	8,070	1,607	651	262	695
Interior Wall					
Re Configuration	8,518	2,083	1,042	314	728
HVAC Equipment Upgrade	10,768	2,287	1,104	334	849
Lighting Upgrade	10,275	2,019	1,000	305	714
Window Replacement	6,354	1,248	583	197	Q
Plumbing System Upgrade	7,144	1,421	647	Q	574
Insulation Upgrade	4,015	938	392	Q	Q
Other Renovation	523	Q	Q	Q	Q
No Renovations Since 1980	18,714	3,079	1,747	386	946
Building Newer than 1980	28,225	5,859	3,333	688	1,838
Energy Sources (more than one may apply)					
Electricity	63,307	12,208	6,628	1,549	4,031
Natural Gas	43,468	8,208	4,537	1,017	2,653
Fuel Oil	15,157	4,075	2,163	524	1,388
District Heat	5,443	1,569	789	Q	Q
District Chilled Water	2,853	730	423	Q	Q
Propane	7,076	368	Q	Q	Q
Other	909	Q	Q	Q	Q

Table 3. Types of Office Building, Floorspace, 2003

	Total Floorspace (million square feet)				
	All Buildings*	Office Buildings			
		All Office	Administrative/ Professional	Government	All Other Office
All Buildings.....	64,783	12,208	6,628	1,549	4,031
Energy End Uses (more than one may apply)					
Buildings with Space Heating.....	60,028	11,929	6,476	1,522	3,932
Buildings with Cooling	56,940	12,032	6,530	1,546	3,956
Buildings with Water Heating.....	56,478	11,804	6,448	1,489	3,867
Buildings with Cooking	22,237	3,077	1,524	577	976
Buildings with Manufacturing.....	3,138	469	317	Q	Q
Buildings with Electricity Generation	12,821	4,211	2,162	713	1,336
Heating Equipment (more than one may apply)					
Heat Pumps	8,814	1,795	881	227	686
Packaged Heat Pumps	5,442	1,260	570	Q	557
Split System Heat Pumps	2,581	422	Q	Q	Q
Individual Room Heat Pumps.....	2,691	506	287	Q	Q
Furnaces	19,615	2,405	1,289	337	779
Individual Space Heaters	12,545	2,186	1,109	357	720
District Heat	5,166	1,526	746	Q	Q
Boilers	20,423	4,117	2,331	527	1,259
Packaged Heating Units	18,021	3,754	1,899	504	1,351
Other	3,262	970	624	Q	299
Cooling Equipment (more than one may apply)					
Residential Type Central					
Air Conditioners	11,035	1,669	892	249	527
Heat Pumps	9,041	1,854	872	240	742
Packaged Heat Pumps	5,426	1,259	521	Q	590
Split System Heat Pumps	2,606	434	Q	Q	Q
Individual Room Heat Pumps.....	2,940	615	346	Q	Q
Individual Air Conditioners.....	12,558	1,201	633	196	372
District Chilled Water	2,853	730	423	Q	Q
Central Chillers	11,636	3,839	2,117	479	1,243
Packaged Air Conditioning Units	29,969	6,171	3,283	866	2,022
Swamp Coolers	1,561	Q	Q	Q	Q
Other	1,232	439	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)					
Heating	16,403	3,137	1,590	348	1,200
Cooling	20,995	4,573	2,237	693	1,643
Office Equipment (more than one may apply)					
Computers	55,627	12,165	6,612	1,539	4,015
With Flat Screen Monitors	26,417	8,615	4,700	979	2,937
Dedicated Servers	36,338	9,932	5,469	1,338	3,126
Laser Printers	33,012	5,997	3,477	617	1,903
Inkjet Printers	32,210	9,510	5,150	1,146	3,215
FAX Machines	52,373	12,067	6,514	1,537	4,016
Photocopiers	46,257	11,387	6,150	1,497	3,741

Table 3. Types of Office Building, Floorspace, 2003

	Total Floorspace (million square feet)				
	All Buildings*	Office Buildings			
		All Office	Administrative/ Professional	Government	All Other Office
All Buildings.....	64,783	12,208	6,628	1,549	4,031
Number of Computers					
None	9,156	Q	Q	Q	Q
1 to 4	12,395	799	400	Q	334
5 to 9	7,179	974	457	Q	445
10 to 19	6,610	958	504	Q	316
20 to 49	7,414	1,757	922	250	584
50 to 99	5,376	1,281	785	Q	311
100 to 249	6,690	1,655	998	Q	425
250 or More	9,963	4,741	2,545	597	1,599
Number of Dedicated Servers					
None	28,445	2,276	1,159	211	905
1 to 4	24,116	4,027	2,276	580	1,171
5 to 9	3,864	1,277	797	Q	349
10 to 19	3,027	1,175	636	Q	383
20 to 49	2,583	1,387	789	Q	506
50 or More	2,748	2,066	971	Q	716
Number of Photocopiers					
None	18,526	821	478	Q	290
One	15,475	1,743	742	251	750
2 to 4	15,082	2,644	1,583	301	760
5 to 9	5,515	1,412	771	Q	406
10 or More	10,185	5,589	3,054	710	1,825
Energy Related Space Functions (more than one may apply)					
Commercial Food Preparation	22,223	3,077	1,524	577	976
Activities with Large Amounts of Hot Water	19,482	2,299	1,185	428	686
Separate Computer Area	26,873	7,859	4,259	1,176	2,424
HVAC Conservation Features (more than one may apply)					
Variable Air Volume System	19,597	5,973	3,329	620	2,024
Economizer Cycle	21,108	6,022	3,189	721	2,112
HVAC Maintenance	51,163	10,888	5,978	1,411	3,499
Energy Management and Control System (EMCS)	15,630	4,792	2,650	544	1,598
Window and Interior Lighting Features (more than one may apply)					
Multipaned Windows	38,910	7,897	4,200	1,078	2,619
Tinted Window Glass	29,887	7,278	3,943	888	2,448
Reflective Window Glass	8,544	2,558	1,330	222	1,007
External Overhangs or Awnings	17,242	2,579	1,208	358	1,013
Skylights or Atriums	12,546	2,510	1,238	464	808
Daylighting Sensors	2,868	618	378	Q	Q
Specular Reflectors	26,118	6,775	3,652	888	2,235
Electronic Ballasts	46,882	10,116	5,442	1,301	3,373
Energy Management and Control System (EMCS) For Lighting	4,781	1,913	1,354	Q	428

Table 3. Types of Office Building, Floorspace, 2003

	Total Floorspace (million square feet)				
	All Buildings*	Office Buildings			
		All Office	Administrative/ Professional	Government	All Other Office
All Buildings.....	64,783	12,208	6,628	1,549	4,031
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)					
Heating	42,722	8,982	4,919	1,107	2,956
Cooling	43,205	9,407	5,164	1,155	3,088
Lighting	46,987	10,217	5,721	1,455	3,041
Office Equipment	19,397	3,337	1,595	602	1,140

* Data in this column do not include enclosed malls and strip malls.

N=No responding cases in sample.

Q=Data withheld because fewer than 20 buildings were sampled for any cell, or because the Relative Standard Error (RSE) was greater than 50 percent for a cell in the "Total" column.

Notes: • Due to rounding, data may not sum to totals. • HVAC = Heating, Ventilation, and Air Conditioning.

Source: Energy Information Administration, Office of Energy Markets and End Use, Form EIA-871A, C, and E of the 2003 Commercial Buildings Energy Consumption Survey.