

Table C5. Consumption and Gross Energy Intensity by Census Region 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)			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
All Buildings*	1,271	1,690	1,948	911	12,905	17,080	23,489	11,310	98.5	98.9	82.9	80.6
Building Floorspace (Square Feet)												
1,001 to 5,000	118	206	240	108	1,025	1,895	2,533	1,336	115.1	108.5	94.9	80.6
5,001 to 10,000	102	117	185	112	1,123	1,565	2,658	1,239	90.7	74.7	69.5	90.8
10,001 to 25,000	148	228	250	150	1,972	3,098	4,378	2,087	75.3	73.6	57.2	71.7
25,001 to 50,000	106	247	205	114	1,292	2,567	3,168	1,643	82.4	96.3	64.8	69.4
50,001 to 100,000	203	212	255	89	2,040	2,260	3,435	1,322	99.4	93.6	74.3	67.6
100,001 to 200,000	209	252	375	97	2,117	2,296	3,475	1,177	98.8	109.8	107.9	82.7
200,001 to 500,000	189	244	191	100	1,781	2,196	1,914	1,286	106.3	111.1	99.9	78.1
Over 500,000	Q	184	246	140	1,556	1,203	1,928	1,221	Q	153.2	127.8	115.0
Principal Building Activity												
Education	171	219	301	129	1,683	2,541	3,983	1,667	101.6	86.3	75.5	77.6
Food Sales	Q	70	91	Q	238	320	487	Q	Q	219.1	187.7	Q
Food Service	Q	99	217	65	172	453	764	265	Q	218.8	283.4	243.8
Health Care	114	164	217	99	535	798	1,277	553	212.2	205.6	169.8	179.6
Inpatient	Q	119	190	67	358	438	838	270	Q	272.2	226.7	246.8
Outpatient	Q	45	27	33	177	359	438	283	Q	124.4	60.9	115.3
Lodging	108	125	164	113	1,171	1,144	1,694	1,087	Q	109.0	96.9	103.7
Retail (Other Than Mall).....	41	90	127	61	630	880	1,844	963	65.0	102.7	68.7	63.2
Office	305	325	329	175	3,012	2,989	3,782	2,425	101.2	108.8	87.0	72.1
Public Assembly	93	103	109	64	1,048	1,012	1,174	706	Q	101.7	93.2	91.2
Public Order and Safety	Q	Q	Q	Q	362	221	373	Q	Q	Q	Q	Q
Religious Worship	33	59	57	14	627	1,115	1,498	515	52.1	52.8	38.3	27.6
Service	59	110	90	53	740	1,289	1,358	664	79.8	85.0	66.3	80.0
Warehouse and Storage	63	225	106	61	1,523	3,017	3,966	1,572	41.6	74.7	26.7	39.0
Other	Q	Q	Q	Q	649	316	Q	186	Q	Q	Q	Q
Vacant	Q	Q	Q	Q	517	984	701	Q	Q	Q	Q	Q
Year Constructed												
Before 1920	114	123	41	Q	1,406	1,552	516	295	81.4	79.4	79.5	Q
1920 to 1945	221	262	79	59	2,504	2,099	1,348	920	88.2	124.6	58.3	64.1
1946 to 1959	189	165	138	74	2,094	2,027	1,795	1,128	90.5	81.2	76.8	65.2
1960 to 1969	211	205	201	120	1,737	2,229	2,538	1,597	121.4	91.8	79.2	75.4
1970 to 1979	191	322	320	190	1,723	3,237	3,726	2,086	111.0	99.5	85.8	91.1
1980 to 1989	146	221	449	218	1,374	1,949	4,768	2,241	106.2	113.3	94.2	97.4
1990 to 1999	118	286	524	170	1,370	2,746	6,241	2,004	85.9	104.0	84.0	84.9
2000 to 2003	Q	107	197	56	698	1,240	2,557	1,038	Q	86.3	77.1	54.2
Climate Zone: 30-Year Average												
Under 2,000 CDD and --												
More than 7,000 HDD	197	539	N	254	2,416	5,615	N	2,591	81.6	96.0	N	98.0
5,500-7,000 HDD	525	1,038	N	197	5,398	9,867	N	2,070	97.3	105.2	N	95.4
4,000-5,499 HDD	549	113	407	Q	5,092	1,597	4,122	693	107.8	70.5	98.7	94.0
Fewer than 4,000 HDD	N	N	884	329	N	N	10,338	5,401	N	N	85.5	60.9
2,000 CDD or More and --												
Fewer than 4,000 HDD	N	N	658	66	N	N	9,029	555	N	N	72.8	118.8
Number of Floors												
One	271	565	736	365	3,151	6,104	11,757	4,969	86.0	92.5	62.6	73.4
Two	254	429	401	227	3,029	5,177	4,946	3,118	83.8	82.9	81.1	72.7
Three	156	236	164	64	2,083	2,584	1,938	896	74.9	91.4	84.4	71.0
Four to Nine	368	380	435	153	3,003	2,660	3,094	1,328	122.6	142.9	140.6	115.2
Ten or More	222	79	212	Q	1,640	555	1,754	999	135.5	142.6	121.1	103.1

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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)			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
All Buildings*	1,271	1,690	1,948	911	12,905	17,080	23,489	11,310	98.5	98.9	82.9	80.6
Elevators and Escalators (more than one may apply)												
Any Elevators	723	793	938	372	6,137	6,677	7,949	3,855	117.8	118.8	118.0	96.5
Number of Elevators												
One	167	289	200	77	1,585	3,084	2,475	1,077	105.1	93.5	80.7	71.3
Two to Five	302	334	393	128	2,971	2,704	3,094	1,360	101.7	123.5	127.1	94.3
Six or More	254	171	345	167	1,581	889	2,380	1,418	160.8	192.0	144.9	117.8
Any Escalators	Q	Q	130	Q	541	Q	1,002	Q	Q	Q	129.4	Q
Number of Workers (main shift)												
Fewer than 5	153	341	211	113	2,376	4,958	5,670	2,489	64.3	68.8	37.1	45.3
5 to 9	89	131	169	80	1,085	1,463	2,595	1,023	81.7	89.4	65.2	78.1
10 to 19	129	182	199	84	1,872	2,081	2,741	1,109	68.9	87.5	72.7	75.8
20 to 49	208	310	366	167	2,314	2,856	3,883	1,935	89.7	108.5	94.2	86.1
50 to 99	165	231	218	113	1,598	2,311	2,654	1,370	103.4	100.0	82.3	82.5
100 to 249	179	205	332	121	1,331	1,609	2,534	1,397	134.6	127.3	131.2	86.8
250 or More	349	290	453	234	2,329	1,800	3,413	1,986	149.6	161.0	132.7	117.6
Weekly Operating Hours												
Fewer than 40	35	83	68	41	923	2,300	2,544	1,096	37.8	36.2	26.8	37.7
40 to 48	161	239	257	117	2,111	2,783	4,567	2,161	76.3	85.8	56.2	54.0
49 to 60	221	447	347	163	3,098	4,614	5,556	2,455	71.4	97.0	62.5	66.5
61 to 84	195	251	329	150	2,048	2,583	3,754	1,950	95.0	97.2	87.5	76.8
85 to 167	161	286	320	122	1,317	2,008	2,459	1,308	122.5	142.7	130.1	93.1
Open Continuously	498	383	627	318	3,407	2,793	4,608	2,340	146.2	137.1	136.1	136.0
Ownership and Occupancy												
Nongovernment Owned	993	1,143	1,408	659	10,389	12,470	17,826	8,736	95.6	91.7	79.0	75.5
Owner Occupied	581	588	627	265	5,904	6,171	7,869	3,648	98.3	95.3	79.6	72.7
Nonowner Occupied	408	541	774	392	4,204	5,539	9,358	4,813	96.9	97.7	82.7	81.4
Unoccupied	Q	Q	Q	Q	Q	Q	600	Q	Q	Q	Q	Q
Government Owned	278	547	541	252	2,517	4,610	5,662	2,574	110.4	118.6	95.5	97.8
Federal	Q	Q	66	Q	Q	Q	521	Q	Q	Q	126.9	Q
State	Q	119	219	88	599	764	1,718	727	Q	156.1	127.7	121.3
Local	174	251	255	120	1,706	2,925	3,423	1,545	101.7	85.9	74.6	78.0
Vacancy Status												
Completely Vacant	Q	Q	Q	Q	Q	892	652	Q	Q	Q	Q	Q
Mostly Vacant	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Partially Vacant	297	322	302	164	3,117	3,119	4,061	2,085	95.3	103.3	74.4	78.9
Not At All Vacant	962	1,340	1,639	741	9,271	12,976	18,726	8,860	103.7	103.3	87.5	83.6
Number of Establishments												
One	841	1,262	1,374	689	8,061	12,359	16,947	7,776	104.4	102.1	81.1	88.6
2 to 5	245	291	324	133	2,517	2,803	3,740	1,900	97.2	103.8	86.6	70.0
6 to 10	58	56	76	25	571	510	550	327	101.9	110.1	138.2	76.9
11 to 20	Q	Q	62	Q	722	301	589	340	Q	Q	104.7	Q
More than 20	Q	Q	105	Q	696	Q	1,011	688	Q	Q	104.2	Q
Currently Unoccupied	Q	Q	Q	Q	Q	892	652	Q	Q	Q	Q	Q

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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)			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
All Buildings*	1,271	1,690	1,948	911	12,905	17,080	23,489	11,310	98.5	98.9	82.9	80.6
Predominant Exterior Wall Material												
Brick, Stone or Stucco	770	1,005	1,009	403	7,248	9,248	11,574	4,747	106.2	108.7	87.2	84.8
Concrete (Block or Poured)	187	288	343	156	2,184	2,887	3,985	1,777	85.4	99.9	86.0	88.0
Concrete Panels	Q	150	288	153	599	1,230	2,758	1,972	Q	121.6	104.6	77.7
Siding or Shingles	76	71	73	57	1,193	1,183	1,045	698	63.4	60.0	69.9	81.3
Metal Panels	104	95	165	99	1,054	1,880	3,426	1,552	98.7	50.5	48.2	63.7
Window Glass	Q	Q	Q	Q	Q	Q	280	Q	Q	Q	Q	Q
Other	Q	Q	Q	Q	Q	303	Q	Q	Q	Q	Q	Q
No One Major Type	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Predominant Roof Material												
Built-Up	414	586	707	378	4,068	5,262	7,430	4,411	101.7	111.3	95.1	85.6
Shingles (Not Wood)	207	258	236	122	2,022	3,199	3,325	1,649	102.4	80.7	70.9	73.7
Metal Surfacing	58	161	290	121	1,027	2,663	6,309	1,946	56.1	60.3	46.0	62.3
Synthetic or Rubber	468	482	514	185	4,116	4,443	4,298	1,873	113.7	108.5	119.6	98.7
Slate or Tile	Q	30	79	47	480	306	1,056	620	Q	98.3	74.9	75.4
Wooden Materials	Q	Q	Q	Q	Q	Q	301	244	Q	Q	Q	Q
Concrete	Q	Q	Q	Q	Q	Q	426	400	Q	Q	Q	Q
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
No One Major Type	Q	Q	Q	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	537	566	416	248	5,104	5,437	4,462	2,841	105.2	104.0	93.2	87.3
Addition or Annex	187	241	195	110	1,797	1,970	1,804	979	104.0	122.4	108.1	112.1
Reduction In Floorspace	Q	Q	Q	Q	404	Q	Q	Q	Q	Q	Q	Q
Cosmetic Improvements	419	426	285	188	3,952	3,879	3,105	2,183	106.1	109.8	91.7	85.9
Wall or Roof Replacement	260	230	171	115	2,676	2,238	1,863	1,294	97.2	103.0	92.0	89.2
Interior Wall												
Re-Configuration	265	294	201	151	2,489	2,586	1,936	1,507	106.5	113.9	103.7	100.0
HVAC Equipment Upgrade	338	369	278	172	3,027	3,332	2,584	1,825	111.7	110.8	107.4	94.0
Lighting Upgrade	365	337	215	168	3,350	3,059	2,092	1,775	109.0	110.2	102.7	94.8
Window Replacement	271	184	82	76	2,750	1,847	916	842	98.6	99.5	89.1	90.8
Plumbing System Upgrade	261	215	148	124	2,511	1,898	1,366	1,369	103.8	113.3	108.6	90.8
Insulation Upgrade	138	115	84	43	1,370	1,212	857	576	101.0	95.2	97.6	75.2
Other Renovation	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
No Renovations Since 1980	390	511	362	219	4,360	5,708	5,462	3,185	89.4	89.5	66.3	68.7
Building Newer than 1980	344	613	1,170	445	3,441	5,935	13,565	5,283	100.0	103.4	86.3	84.1
Energy Sources (more than one may apply)												
Electricity	1,271	1,689	1,948	911	12,809	16,701	22,766	11,030	99.2	101.2	85.6	82.6
Natural Gas	997	1,379	1,389	726	9,181	13,163	13,311	7,813	108.6	104.8	104.4	92.9
Fuel Oil	636	389	488	247	6,080	2,832	4,122	2,123	104.6	137.4	118.4	116.2
District Heat	Q	336	324	Q	1,363	1,648	1,766	667	Q	204.2	183.7	Q
District Chilled Water	Q	Q	202	Q	620	596	1,150	487	Q	Q	175.3	Q
Propane	98	211	148	127	1,354	2,189	2,360	1,173	72.1	96.6	62.9	108.2
Other	Q	48	Q	Q	222	505	306	367	Q	94.3	Q	93.7

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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)			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
All Buildings*	1,271	1,690	1,948	911	12,905	17,080	23,489	11,310	98.5	98.9	82.9	80.6
Space-Heating Energy Sources (more than one may apply)												
Electricity	444	547	1,013	369	4,405	6,223	13,058	4,914	100.8	88.0	77.6	75.1
Natural Gas	778	1,227	1,082	595	7,238	12,180	10,693	6,848	107.5	100.7	101.2	86.9
Fuel Oil	358	108	92	Q	3,927	916	897	247	91.2	117.8	102.5	Q
District Heat	Q	335	318	Q	1,260	1,640	1,683	615	Q	204.0	188.7	Q
Propane	Q	27	70	Q	743	806	1,195	459	Q	33.7	58.7	80.4
Other	Q	Q	Q	Q	Q	272	Q	Q	Q	Q	Q	Q
Primary Space-Heating Energy Source												
Electricity	99	205	596	189	1,253	2,545	9,084	3,114	78.8	80.5	65.6	60.7
Natural Gas	677	1,112	950	541	6,439	11,321	9,299	5,911	105.1	98.2	102.2	91.5
Fuel Oil	240	Q	Q	Q	3,250	229	232	Q	73.9	Q	Q	Q
District Heat	Q	318	304	Q	1,205	1,531	1,614	557	Q	207.8	188.6	Q
Propane	Q	Q	22	Q	Q	569	674	332	Q	31.7	33.0	Q
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Cooling Energy Sources (more than one may apply)												
Electricity	1,074	1,387	1,767	792	10,402	13,781	20,623	9,515	103.3	100.7	85.7	83.3
Natural Gas	Q	Q	Q	Q	353	Q	Q	Q	Q	Q	Q	Q
District Chilled Water	Q	Q	202	Q	620	596	1,150	487	Q	Q	175.3	Q
Water-Heating Energy Sources (more than one may apply)												
Electricity	404	564	909	268	5,125	6,477	11,882	4,007	78.9	87.1	76.5	66.8
Natural Gas	660	942	1,005	598	5,601	8,799	8,306	6,114	117.9	107.1	121.0	97.8
Fuel Oil	155	Q	Q	Q	1,542	Q	Q	Q	100.5	Q	Q	Q
District Heat	Q	Q	171	Q	929	749	956	454	Q	Q	179.2	Q
Propane	Q	Q	27	Q	261	390	537	Q	Q	42.9	50.5	Q
Cooking Energy Sources (more than one may apply)												
Electricity	315	449	598	217	2,495	3,784	4,900	1,982	126.2	118.8	122.1	109.3
Natural Gas	458	538	774	303	3,580	3,965	5,480	2,412	128.0	135.7	141.2	125.7
Propane	28	Q	33	Q	396	233	451	381	70.0	Q	74.3	Q
Energy End Uses (more than one may apply)												
Buildings with Space Heating	1,264	1,682	1,900	858	12,596	16,331	20,998	10,102	100.3	103.0	90.5	85.0
Buildings with Cooling	1,170	1,511	1,927	857	10,954	14,484	21,553	9,950	106.8	104.3	89.4	86.1
Buildings with Water Heating	1,213	1,537	1,869	879	11,789	14,928	19,913	9,848	102.9	103.0	93.8	89.3
Buildings with Cooking	618	731	967	397	5,016	5,850	7,881	3,489	123.1	124.9	122.7	113.8
Buildings with Manufacturing	84	72	42	56	1,013	798	642	685	83.1	90.3	65.4	81.9
Buildings with Electricity Generation	457	487	495	254	3,245	3,317	4,017	2,241	140.8	146.8	123.3	113.2
Percent of Floorspace Heated												
Not Heated	Q	Q	48	53	309	748	2,491	1,208	Q	Q	19.2	43.7
1 to 50	57	56	121	65	1,387	1,130	2,841	1,491	41.0	49.8	42.4	43.4
51 to 99	150	176	253	167	1,539	1,727	2,891	1,950	97.5	102.1	87.5	85.8
100	1,057	1,450	1,527	626	9,671	13,474	15,266	6,661	109.3	107.6	100.0	94.0

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	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
All Buildings*	1,271	1,690	1,948	911	12,905	17,080	23,489	11,310	98.5	98.9	82.9	80.6
Percent of Floorspace Cooled												
Not Cooled	101	179	22	54	1,952	2,596	1,936	1,359	51.9	68.8	11.1	39.9
1 to 50	324	336	208	158	4,270	4,757	4,915	2,656	76.0	70.7	42.3	59.3
51 to 99	377	435	378	223	3,101	3,761	3,903	2,446	121.5	115.7	96.8	91.1
100	468	739	1,341	476	3,582	5,966	12,735	4,849	130.8	124.0	105.3	98.3
Percent Lit When Open												
Zero	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
1 to 50	157	178	133	72	2,750	2,753	3,189	1,512	57.3	64.8	41.6	47.4
51 to 99	426	514	514	282	3,599	5,299	6,134	3,256	118.2	97.0	83.9	86.6
100	678	970	1,288	553	6,051	7,781	12,874	6,083	112.1	124.7	100.1	90.9
Building Never Open/ Electricity Not Used	Q	Q	Q	Q	465	1,227	1,108	Q	Q	Q	Q	Q
Percent Lit When Closed												
Zero	189	434	333	176	2,807	5,174	6,292	3,112	67.5	83.9	52.9	56.5
1 to 50	542	790	894	399	6,279	8,293	11,027	5,349	86.3	95.3	81.1	74.7
51 to 100	Q	82	94	Q	Q	499	1,013	238	Q	164.3	92.4	Q
Building Never Closed/ Electricity Not Used	498	383	627	318	3,476	3,114	5,157	2,611	143.3	123.1	121.7	121.9
Heating Equipment (more than one may apply)												
Heat Pumps	177	96	395	136	1,213	1,058	4,942	1,600	146.1	91.0	79.9	85.2
Packaged Heat Pumps	Q	68	257	Q	744	738	2,928	1,031	Q	92.7	87.6	95.1
Split-System Heat Pumps	Q	Q	127	30	Q	Q	1,862	368	Q	Q	68.1	82.3
Individual Room Heat Pumps	Q	Q	101	34	544	358	1,250	538	Q	Q	80.5	62.5
Furnaces	275	596	397	225	3,596	7,229	5,715	3,075	76.6	82.4	69.4	73.1
Individual Space Heaters	263	339	276	146	2,786	4,169	3,608	1,981	94.2	81.4	76.5	73.6
District Heat	Q	330	318	Q	1,245	1,623	1,683	615	Q	203.5	188.7	Q
Boilers	661	656	559	368	6,228	6,141	4,393	3,662	106.1	106.8	127.4	100.5
Packaged Heating Units	365	401	722	241	2,912	3,666	8,130	3,312	125.2	109.4	88.8	72.7
Other	Q	74	85	33	579	820	1,381	481	Q	90.7	61.4	67.5
Cooling Equipment (more than one may apply)												
Residential-Type Central												
Air Conditioners	237	343	255	90	2,391	3,609	3,854	1,181	99.1	94.9	66.0	75.9
Heat Pumps	183	99	406	149	1,270	1,063	4,923	1,785	143.8	93.5	82.4	83.7
Packaged Heat Pumps	Q	72	255	Q	788	760	2,849	1,030	Q	95.1	89.4	94.0
Split-System Heat Pumps	Q	Q	132	32	Q	Q	1,868	404	Q	Q	70.5	79.6
Individual Room Heat Pumps	Q	Q	108	49	557	358	1,290	734	Q	Q	83.6	66.6
Individual Air Conditioners	352	320	272	136	3,687	3,488	3,635	1,749	95.4	91.8	74.7	77.8
District Chilled Water	Q	Q	202	Q	620	596	1,150	487	Q	Q	175.3	Q
Central Chillers	294	404	600	233	1,852	2,842	4,854	2,088	158.6	142.1	123.7	111.7
Packaged Air Conditioning												
Units	657	851	897	457	6,000	8,086	10,401	5,482	109.6	105.2	86.2	83.3
Swamp Coolers	Q	Q	Q	134	Q	Q	Q	1,342	Q	Q	Q	100.1
Other	Q	Q	Q	Q	Q	330	430	Q	Q	Q	Q	Q
Main Equipment Replaced Since 1990 (more than one may apply)												
Heating	304	461	370	232	3,974	5,026	4,815	2,588	76.5	91.8	76.8	89.6
Cooling	535	597	522	295	5,453	5,752	6,415	3,374	98.1	103.8	81.3	87.5

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Table C5. Consumption and Gross Energy Intensity by Census Region 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)			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
All Buildings*	1,271	1,690	1,948	911	12,905	17,080	23,489	11,310	98.5	98.9	82.9	80.6
Water Heating Equipment												
Centralized System	828	1,000	1,094	510	7,770	9,724	11,537	5,640	106.6	102.8	94.9	90.4
Distributed System	179	228	312	117	2,325	2,670	4,564	1,981	77.1	85.2	68.3	58.9
Combination of Centralized and Distributed System	206	310	463	252	1,695	2,534	3,812	2,227	121.4	122.3	121.4	113.3
Lighting Equipment Types (more than one may apply)												
Incandescent	860	1,132	1,320	604	8,102	10,973	13,045	6,408	106.2	103.2	101.2	94.3
Standard Fluorescent	1,230	1,637	1,886	891	12,159	15,708	21,222	10,599	101.2	104.2	88.9	84.1
Compact Fluorescent	744	837	1,071	556	6,091	6,828	8,881	5,772	122.2	122.6	120.6	96.3
High Intensity Discharge	492	748	620	282	4,379	6,620	6,229	3,416	112.3	113.0	99.5	82.5
Halogen	430	573	675	303	3,581	4,661	6,193	3,268	120.1	122.9	109.0	92.9
Other	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Refrigeration Equipment (more than one may apply)^a												
Any Refrigeration.....	1,136	1,456	1,818	804	10,842	14,082	19,103	8,947	104.7	103.4	95.2	89.9
Commercial Refrigeration	758	883	1,225	469	5,936	7,122	9,638	4,072	127.8	124.0	127.1	115.2
Walk-In Units	588	701	1,073	404	4,452	5,201	7,469	3,132	132.0	134.9	143.6	129.0
Cases or Cabinets	641	654	1,006	402	4,504	4,978	7,664	3,277	142.3	131.4	131.2	122.6
Residential-Type Units	819	1,026	1,102	519	8,288	10,792	13,162	6,642	98.9	95.0	83.7	78.2
Vending Machines	786	1,023	1,345	567	6,559	9,400	13,534	5,841	119.8	108.9	99.4	97.0
No Refrigeration	136	234	130	107	2,064	2,997	4,386	2,363	65.7	78.0	29.7	45.4
Office Equipment (more than one may apply)												
Computers	1,198	1,526	1,794	859	11,518	14,415	19,715	9,980	104.0	105.8	91.0	86.0
With Flat Screen Monitors	748	750	1,005	463	5,995	6,346	9,135	4,940	124.8	118.2	110.0	93.7
Dedicated Servers	909	1,028	1,242	581	8,143	9,252	12,649	6,294	111.7	111.1	98.2	92.3
Laser Printers	685	834	966	524	7,095	8,463	11,566	5,888	96.6	98.6	83.5	89.0
Inkjet Printers	718	914	1,153	516	6,415	8,305	11,480	6,009	112.0	110.1	100.5	85.9
FAX Machines	1,165	1,391	1,747	789	11,173	13,295	18,782	9,123	104.3	104.6	93.0	86.5
Photocopiers	1,051	1,236	1,479	699	9,893	11,859	16,312	8,193	106.2	104.2	90.7	85.4
Number of Computers												
None	73	164	155	53	1,388	2,664	3,774	1,330	52.9	61.5	41.0	39.6
1 to 4	183	327	363	143	2,081	3,743	4,419	2,151	87.9	87.3	82.2	66.3
5 to 9	88	193	152	112	1,604	1,938	2,538	1,099	55.0	99.8	59.9	102.0
10 to 19	112	168	145	90	1,321	1,690	2,403	1,196	84.7	99.5	60.4	75.1
20 to 49	146	186	250	126	1,504	1,932	2,425	1,554	96.9	96.0	103.0	81.1
50 to 99	100	133	207	73	1,157	1,049	2,102	1,068	Q	126.6	98.6	67.9
100 to 249	173	198	222	121	1,260	1,851	2,262	1,317	137.2	106.7	98.2	91.9
250 or More	396	322	455	194	2,590	2,213	3,565	1,595	152.8	145.4	127.5	121.9
Number of Dedicated Servers												
None	362	662	706	330	4,763	7,828	10,839	5,015	75.9	84.6	65.1	65.9
1 to 4	518	650	715	351	5,247	6,567	8,208	4,093	98.7	99.0	87.1	85.7
5 to 9	Q	114	140	61	914	966	1,313	671	Q	118.3	106.9	91.1
10 to 19	Q	124	155	53	578	773	1,126	552	Q	160.3	138.0	96.2
20 to 49	Q	Q	141	Q	493	334	1,265	491	Q	Q	111.8	Q
50 or More	Q	86	90	Q	912	Q	737	487	Q	141.1	122.5	Q

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Table C5. Consumption and Gross Energy Intensity by Census Region 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)			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
All Buildings*	1,271	1,690	1,948	911	12,905	17,080	23,489	11,310	98.5	98.9	82.9	80.6
Number of Photocopiers												
None	220	454	469	212	3,012	5,221	7,176	3,117	73.0	86.9	65.4	68.0
One	231	366	340	192	3,027	4,235	5,460	2,753	76.4	86.5	62.2	69.9
2 to 4	276	384	482	192	2,944	4,026	5,518	2,594	93.7	95.5	87.3	74.2
5 to 9	177	162	197	76	1,518	1,401	1,782	814	116.4	115.8	110.6	93.2
10 or More	367	323	461	239	2,404	2,196	3,553	2,032	152.7	147.1	129.7	117.4
Energy-Related Space Functions (more than one may apply)												
Commercial Food Preparation	618	731	967	396	5,016	5,850	7,880	3,478	123.1	124.9	122.7	113.7
Activities with Large Amounts of Hot Water	506	683	856	421	3,922	5,225	6,903	3,432	129.0	130.7	124.0	122.6
Separate Computer Area	763	731	943	458	5,925	6,482	9,397	5,070	128.8	112.8	100.3	90.3
HVAC Conservation Features (more than one may apply)												
Variable Air-Volume System	525	648	845	362	3,780	5,001	7,348	3,468	138.9	129.6	115.0	104.5
Economizer Cycle	587	752	813	436	4,141	5,884	6,632	4,452	141.8	127.8	122.6	98.0
HVAC Maintenance	1,160	1,457	1,731	822	11,047	13,128	17,641	9,347	105.0	111.0	98.1	87.9
Energy Management and Control System (EMCS)	419	460	609	295	3,002	3,799	5,802	3,027	139.5	121.0	104.9	97.4
Window and Interior Lighting Features (more than one may apply)												
Multipaned Windows	950	1,253	1,197	529	9,308	11,761	12,305	5,536	102.0	106.5	97.3	95.6
Tinted Window Glass	628	843	1,129	498	4,958	7,319	11,950	5,660	126.7	115.1	94.4	88.0
Reflective Window Glass	198	249	340	139	1,661	2,165	3,010	1,707	119.2	115.2	113.0	81.5
External Overhangs or Awnings	297	441	669	329	2,687	4,225	6,785	3,545	110.6	104.5	98.5	92.9
Skylights or Atriums	300	380	379	247	2,892	3,267	3,922	2,466	103.8	116.4	96.7	100.3
Daylighting Sensors	Q	112	79	139	428	815	674	951	Q	137.1	117.8	145.9
Specular Reflectors	674	931	812	412	5,834	7,709	7,871	4,703	115.6	120.7	103.1	87.5
Electronic Ballasts	1,002	1,403	1,580	761	9,288	12,610	16,459	8,525	107.9	111.3	96.0	89.2
Energy Management and Control System (EMCS) For Lighting	Q	162	148	108	849	1,292	1,471	1,169	Q	125.1	100.5	92.7
Equipment Usage Reduced When Building Not In Full Use (more than one may apply)^a												
Heating	922	1,009	1,197	613	9,519	10,908	14,655	7,639	96.8	92.5	81.7	80.3
Cooling	883	1,002	1,309	649	8,812	10,469	16,094	7,829	100.2	95.8	81.4	82.9
Lighting	724	1,259	1,260	575	8,706	12,884	17,115	8,282	83.1	97.8	73.6	69.5
Office Equipment	355	496	401	213	4,269	5,412	6,426	3,291	83.0	91.7	62.5	64.8

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Table C5. Consumption and Gross Energy Intensity by Census Region 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)			
	North-east	Mid-west	South	West	North-east	Mid-west	South	West	North-east	Mid-west	South	West
All Buildings*	1,271	1,690	1,948	911	12,905	17,080	23,489	11,310	98.5	98.9	82.9	80.6

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.