

## Comparisons across surveys from the 1992 *Commercial Buildings Energy Consumption Survey (CBECS)* through the 2018 CBECS

**Table 2. Building size, age, and activity**

	1992	1995	1999	2003	2012	2018
<b>Building size</b>	<p>Square footage (number or range):</p> <ul style="list-style-type: none"> <li>• 1,001 to 5,000</li> <li>• 5,001 to 10,000</li> <li>• 10,001 to 25,000</li> <li>• 25,001 to 50,000</li> <li>• 50,001 to 100,000</li> <li>• 100,001 to 200,000</li> <li>• 200,001 to 500,000</li> <li>• Over 500,000</li> </ul>	Same as 1992	Same as 1992, except <i>unfolding</i> responses were used to find the range	Same as 1992	Same as 1992	Same as 1992
<b>Year constructed</b>	<p>Year the largest portion of the building was constructed (exact year or range):</p> <ul style="list-style-type: none"> <li>• 1899 or before</li> <li>• 1900 to 1919</li> <li>• 1920 to 1945</li> <li>• 1946 to 1959</li> <li>• 1960 to 1969</li> <li>• 1970 to 1979</li> <li>• 1980 to 1989</li> <li>• 1990 to 1992</li> </ul>	<p>Year the largest portion of the building was constructed (exact year or range):</p> <ul style="list-style-type: none"> <li>• 1899 or before</li> <li>• 1900 to 1919</li> <li>• 1920 to 1945</li> <li>• 1946 to 1959</li> <li>• 1960 to 1969</li> <li>• 1970 to 1979</li> <li>• 1980 to 1989</li> <li>• 1990 to 1992</li> <li>• 1993 to 1995</li> </ul>	<p>Year the largest portion of the building was constructed (exact year or range):</p> <ul style="list-style-type: none"> <li>• Before 1920</li> <li>• 1920 to 1945</li> <li>• 1946 to 1959</li> <li>• 1960 to 1969</li> <li>• 1970 to 1979</li> <li>• 1980 to 1989</li> <li>• 1990 to 1995</li> <li>• 1996 to 1999</li> </ul>	<p>Year the largest portion of the building was constructed (exact year or range):</p> <ul style="list-style-type: none"> <li>• Before 1920</li> <li>• 1920 to 1945</li> <li>• 1946 to 1959</li> <li>• 1960 to 1969</li> <li>• 1970 to 1979</li> <li>• 1980 to 1989</li> <li>• 1990 to 1999</li> <li>• 2000 to 2003</li> </ul>	<p>Year the largest portion of the building was constructed (exact year or range):</p> <ul style="list-style-type: none"> <li>• Before 1920</li> <li>• 1920 to 1945</li> <li>• 1946 to 1959</li> <li>• 1960 to 1969</li> <li>• 1970 to 1979</li> <li>• 1980 to 1989</li> <li>• 1990 to 1999</li> <li>• 2000 to 2003</li> <li>• 2004 to 2007</li> <li>• 2008 to 2012</li> </ul>	<p>Year the largest portion of the building was constructed (exact year or range):</p> <ul style="list-style-type: none"> <li>• Before 1920</li> <li>• 1920 to 1945</li> <li>• 1946 to 1959</li> <li>• 1960 to 1969</li> <li>• 1970 to 1979</li> <li>• 1980 to 1989</li> <li>• 1990 to 1999</li> <li>• 2000 to 2009</li> <li>• 2010 to 2012</li> <li>• 2013 to 2018</li> </ul>
<b>Principal building activity: collection method</b>	Interviewer observed the building, coded one of the main categories shown in the next row, and then asked the respondent if about 75% or more of the space is used for that activity	Same as 1992	If the building was from the 1995 sample and only one activity was reported in 1995, the question started by confirming that 75% or more was the same activity as in 1995; otherwise respondents were asked whether one activity accounts for 75% or more of the floorspace, and if so, which one from the list in the next row	Respondent was shown the categories in the next row and asked whether one single activity accounts for 75% or more of the floorspace, and if so, which one	Same as 2003	Respondent was shown the categories in the next row and asked which one accounts for the majority of space in the building. The respondent was then asked if 75% or more of the floorspace is used for that activity

	1992	1995	1999	2003	2012	2018
<b>Principal building activity: initial categories</b>	<p>Categories are:</p> <ul style="list-style-type: none"> <li>• Vacant</li> <li>• Office/professional</li> <li>• Shopping center/ mall/retail/service</li> <li>• Laboratory</li> <li>• Non-refrigerated warehouse or storage</li> <li>• Food sales</li> <li>• Public order and safety</li> <li>• Outpatient health services/clinic</li> <li>• Industrial processing and manufacturing</li> <li>• Agricultural purposes</li> <li>• Refrigerated warehouse or storage</li> <li>• Religious worship</li> <li>• Public assembly</li> <li>• Education</li> <li>• Food services</li> <li>• Hospital/inpatient health services</li> <li>• Skilled nursing/other residential care</li> <li>• Hotel/motel/dorm</li> <li>• Residential</li> <li>• Indoor enclosed parking garage</li> <li>• Other (specify)</li> </ul>	<p>Same as 1992 except the <i>shopping center/mall/retail/service</i> category was broken out into separate categories:</p> <ul style="list-style-type: none"> <li>• Enclosed shopping center/mall</li> <li>• Retail (other than shopping mall or strip center)</li> <li>• Service (other than food service)</li> <li>• Strip shopping center</li> </ul>	<p>Categories are:</p> <ul style="list-style-type: none"> <li>• Office or professional</li> <li>• Warehouse</li> <li>• Food sales or service</li> <li>• Retail</li> <li>• Education</li> <li>• Religious worship</li> <li>• Public assembly</li> <li>• Health care</li> <li>• Service</li> <li>• Lodging</li> <li>• Public order and safety</li> <li>• Residential</li> <li>• Industrial or manufacturing</li> <li>• Agricultural</li> <li>• Vacant</li> <li>• Other</li> </ul>	<p>Categories are:</p> <ul style="list-style-type: none"> <li>• Office/professional</li> <li>• Data center/computer server farm</li> <li>• Warehouse/storage</li> <li>• Food sales or service</li> <li>• Retail</li> <li>• Education</li> <li>• Religious worship</li> <li>• Public assembly</li> <li>• Health care</li> <li>• Service</li> <li>• Lodging</li> <li>• Public order and safety</li> <li>• Residential</li> <li>• Industrial</li> <li>• Agricultural</li> <li>• Vacant</li> <li>• Other</li> </ul>	<p>Categories are:</p> <ul style="list-style-type: none"> <li>• Office/professional</li> <li>• Data center/computer server farm</li> <li>• Warehouse/storage</li> <li>• Food sales or service</li> <li>• Enclosed mall</li> <li>• Retail (other than mall)</li> <li>• Education</li> <li>• Religious worship</li> <li>• Public assembly</li> <li>• Health care</li> <li>• Service</li> <li>• Lodging</li> <li>• Public order and safety</li> <li>• Residential</li> <li>• Industrial</li> <li>• Agricultural</li> <li>• Vacant</li> <li>• Other</li> </ul>	<p>Same as 2012</p>
<b>Principal building activity: percentages</b>	<p>If 75% or more of the space was <b>not</b> used for one activity, the respondent was asked to select all activities in the building from the row above and report the percentage that each occupies (to equal 100%)</p>	<p>Same as 1992</p>	<p>If 75% or more of the space was <b>not</b> used for one activity, the respondent was asked to choose up to three activities from the row above that occupy the most space in the building and report the percentage that each occupies (could be less than 100%)</p>	<p>Same as 1999</p>	<p>Same as 1999</p>	<p>If the majority activity did not account for 75% or more of the floorspace, the respondent was asked to select up to two more activities from the row above and then provide the percentages for the two or three activities reported (could be less than 100%)</p>

	1992	1995	1999	2003	2012	2018
<b>Principal building activity: subcategories</b>	Not collected	Not collected	Based on the initial category, the respondent chose a subcategory from a tailored list. These 66 unique subcategories were then mapped into the final activity in the next row	Same method as 1999, with additional subcategories to total 97 unique subcategories for this cycle	Same as 2003	Same as 2003, with slight variation in the subcategories, 101 unique for this cycle
<b>Principal building activities: final</b>	Activities are: <ul style="list-style-type: none"> <li>• Vacant</li> <li>• Office</li> <li>• Mercantile/services</li> <li>• Laboratory</li> <li>• Warehouse (nonrefrigerated)</li> <li>• Food sales</li> <li>• Public order/safety</li> <li>• Health care (outpatient)</li> <li>• Warehouse (refrigerated)</li> <li>• Religious worship</li> <li>• Public assembly</li> <li>• Education</li> <li>• Food service</li> <li>• Health care (inpatient)</li> <li>• Skilled nursing</li> <li>• Lodging</li> <li>• Parking garage</li> <li>• Other</li> </ul>	Activities are: <ul style="list-style-type: none"> <li>• Vacant</li> <li>• Office/professional</li> <li>• Laboratory</li> <li>• Warehouse (nonrefrigerated)</li> <li>• Food sales</li> <li>• Public order and safety</li> <li>• Health care (outpatient)</li> <li>• Warehouse (refrigerated)</li> <li>• Religious worship</li> <li>• Public assembly</li> <li>• Education</li> <li>• Food service</li> <li>• Health care (inpatient)</li> <li>• Skilled nursing</li> <li>• Lodging</li> <li>• Strip shopping mall</li> <li>• Enclosed mall</li> <li>• Retail (excluding mall)</li> <li>• Service</li> <li>• Other</li> </ul>	Same as 1995	Same as 1999, plus: <ul style="list-style-type: none"> <li>• Data center</li> </ul>	Same as 2003	Same as 2003

	<b>1992</b>	<b>1995</b>	<b>1999</b>	<b>2003</b>	<b>2012</b>	<b>2018</b>
<b>Special measures of size</b>	For building activities as applicable: <ul style="list-style-type: none"> <li>• Religious worship seating capacity</li> <li>• Public assembly seating capacity</li> <li>• Number of classroom seats</li> <li>• Food service seating capacity</li> <li>• Inpatient licensed bed capacity</li> <li>• Skilled or residential care licensed bed capacity</li> <li>• Number of lodging guest rooms</li> </ul>	Same as 1992	Same as 1992	Same as 1992	Same as 1992	Same as 1992
<b>Multibuilding campus or complex</b>	Whether the building is on a multibuilding campus or complex	Same as 1992	Same as 1992	Same as 1992	Same as 1992	Whether the building is on a multibuilding campus or complex, and if so, the number of buildings on the complex and the name that the complex is most commonly called
<b>Campus or complex ownership</b>	Not collected	Not collected	Whether the campus or complex is owned by the federal government	Same as 1999	Same as 1999	Same as 1999

	1992	1995	1999	2003	2012	2018
<b>Primary function of the campus or complex</b>	Primary functions are: <ul style="list-style-type: none"> <li>• Primary or secondary school</li> <li>• College, university, or junior college</li> <li>• Other school</li> <li>• Shopping center/mall</li> <li>• Automotive sales and service</li> <li>• Other retail sales and service</li> <li>• Office</li> <li>• Warehouse</li> <li>• Industrial/manufacturing</li> <li>• Hospital or other health service</li> <li>• Religious activities</li> <li>• Hotel/motel</li> <li>• Amusement or recreation</li> <li>• Transportation</li> <li>• Residential</li> <li>• Agricultural</li> <li>• Other (specify)</li> </ul>	Primary functions are: <ul style="list-style-type: none"> <li>• Primary or secondary school</li> <li>• College, university, or junior college</li> <li>• Other school</li> <li>• Hospital or other health care</li> <li>• Manufacturing industrial</li> <li>• Other industrial</li> <li>• Transportation</li> <li>• Post office</li> <li>• Prison</li> <li>• Other government</li> <li>• Other</li> </ul>	Primary functions are: <ul style="list-style-type: none"> <li>• College, university, or junior college</li> <li>• Primary or secondary school</li> <li>• Other school</li> <li>• Office</li> <li>• Retail</li> <li>• Religious</li> <li>• Hospital or other health care</li> <li>• Post office</li> <li>• Other government</li> <li>• Industrial</li> <li>• Transportation</li> <li>• Other</li> </ul>	Same as 1999, plus: <ul style="list-style-type: none"> <li>• Lodging or resort</li> </ul>	Primary functions are: <ul style="list-style-type: none"> <li>• College, university, or junior college</li> <li>• Primary or secondary school</li> <li>• Other school</li> <li>• Office</li> <li>• Retail</li> <li>• Storage</li> <li>• Religious</li> <li>• Hospital or other health care</li> <li>• Lodging or resort</li> <li>• Post office</li> <li>• Prison or correctional facility</li> <li>• Other government</li> <li>• Industrial</li> <li>• Transportation</li> <li>• Other</li> </ul>	Same as 2012
<b>Central physical plant</b>	Whether there is a central physical plant and what it produces: <ul style="list-style-type: none"> <li>• District steam</li> <li>• District hot water</li> <li>• District chilled water</li> <li>• Electricity</li> </ul>	Same as 1992	Same as 1992	Same as 1992	Same as 1992	Same as 1992
<b>Central plant information</b>	Whether the central plant is in the sampled building, and if not, the full name, address, and contact information for the building containing the plant	Whether the central plant is in the sampled building	Same as 1995	Same as 1995	Same as 1995	Same as 1995