



# ENERGY STAR® 2014 Snapshot

Measuring Progress in the Commercial and Industrial Buildings Sector

August 2015



This document provides an at-a-glance summary of the latest national ENERGY STAR metrics to help you, our partners, see the impact of your efforts. Specifically, the Snapshot summarizes national as well as state and local trends in energy and water benchmarking of commercial and industrial properties. It also provides information about ENERGY STAR certified commercial and industrial properties, and commercial building designs.

## ENERGY STAR Year in Review

The energy used to run our nation's commercial and industrial buildings is a significant contributor to the country's greenhouse gas emissions. That's why, for more than 20 years, EPA has offered ENERGY STAR to help commercial and industrial building stakeholders adopt a culture of continuous energy improvement.

I am pleased to share the 2014 ENERGY STAR Snapshot, demonstrating that thousands of businesses and organizations, in partnership with EPA's ENERGY STAR program, are working hard to cut their energy waste and curb carbon pollution.

The activities of our partners in the commercial and industrial markets, from cement manufacturing to religious worship, shine through on the following pages of graphs and tables. I encourage you to use the information in this Snapshot to gain an appreciation for the breadth and depth of action being taken to increase energy efficiency in buildings and plants, as well as to focus in on the ENERGY STAR activity in your sector or location.

The numbers speak for themselves. To highlight a few milestones, as of the end of 2014, more than:

- 50,000 Portfolio Manager account holders, representing over 400,000 buildings totaling over 35 billion square feet, have benchmarked their energy performance;
- 25,000 Portfolio Manager account holders, representing 95,000 buildings, have benchmarked their water performance;
- 5,000 commercial buildings and industrial plants, encompassing more than 3.5 billion square feet, have earned ENERGY STAR certification;
- 300 plants have achieved the ENERGY STAR Challenge for Industry;
- 600 design projects have earned Designed to Earn ENERGY STAR recognition;
- 5,500 buildings participated in the 5th Annual ENERGY STAR National Building Competition, saving more than 2 billion kBtu and \$50 million.

In total, roughly 40% of U.S. commercial building square footage has used ENERGY STAR Portfolio Manager to benchmark energy performance. The major factor driving widespread adoption of Portfolio Manager is the value it brings to organization-wide energy management, with public and private, large and small organizations voluntarily making its use a standard business practice. And while voluntary benchmarking remains the main driver of activity, in recent years more than a dozen municipalities, recognizing the tremendous value of benchmarking, have passed laws requiring commercial buildings to benchmark energy and/or water consumption using ENERGY STAR Portfolio Manager.

As you will see in the pages that follow, our ENERGY STAR partners were very busy in 2014! We look forward to working with you to build on the successes of 2014 in reducing energy waste and carbon emissions. Here's to an even busier 2015!

Jean Lupinacci  
Chief, ENERGY STAR Commercial & Industrial Buildings  
U.S. Environmental Protection Agency

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## National Benchmarking

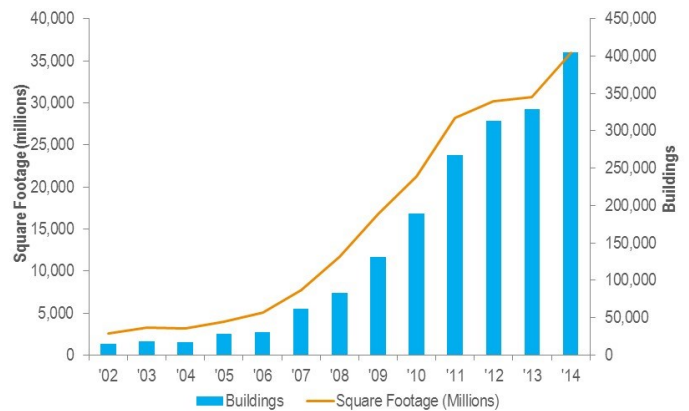
Organizations across the nation are benchmarking building energy and water consumption using Portfolio Manager. More than 50,000 accounts track building energy use, and more than 25,000 accounts track building water consumption.

These accounts collectively hold more than 400,000 buildings and more than 35 billion square feet of space for which energy and water is tracked (Figure 1). While new buildings continue to access the tool each year, the growth in square footage varies as compared to growth in building count. Since historically building types with typically large floor area, such as offices, K-12 schools, retail stores and hospitals, have benchmarked energy and water use in Portfolio Manager, this trend suggests that ENERGY STAR may have reached a certain benchmarking saturation point among very large buildings, and is now attracting smaller buildings, as well.

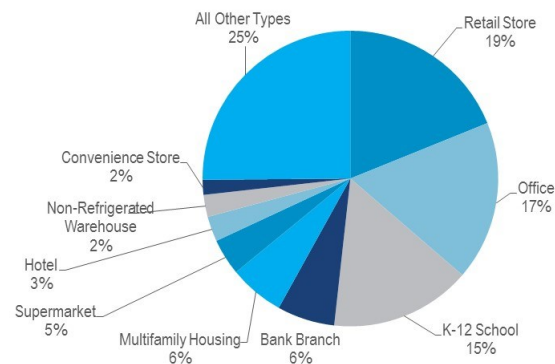
Of the more than 80 building types benchmarked in Portfolio Manager, the building types representing the greatest number of benchmarked buildings include retail, office, K-12 school, bank, and multifamily housing (see Figure 2a). However, when assessing square footage benchmarked in Portfolio Manager, a slightly different group of building types emerges: office leads for cumulative benchmarked square footage, followed by K-12, multifamily housing, retail, and hospital (Figure 2b). Taken together, these charts tell a story about building size. For example, while retail stores make up 19% of all benchmarked buildings, they only make up 8% of the benchmarked square footage. This indicates that the retail stores benchmarked in Portfolio Manager are small compared to offices, for example, which make up roughly the same number of benchmarked buildings but represent 28% of the total benchmarked square footage.

Detailed information about buildings benchmarked by state, Office of Management and Budget-defined Core-Based Statistical Area (CBSA), and building type is provided in Appendices A, B, and C.

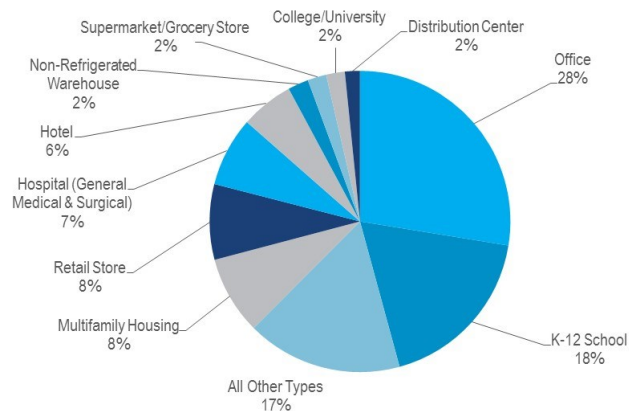
**Figure 1.** Cumulative buildings and square footage benchmarked in Portfolio Manager



**Figure 2a.** Cumulative buildings benchmarked in Portfolio Manager by type



**Figure 2b.** Cumulative square footage benchmarked in Portfolio Manager by type



## State & Local Benchmarking

Governments at all levels play an important role in the ENERGY STAR program. Many are taking important steps to protect the environment and reduce energy and water use. State and local governments across the country are adopting policies that leverage ENERGY STAR tools to reduce energy use in commercial buildings, through both voluntary campaigns and required policy measures.

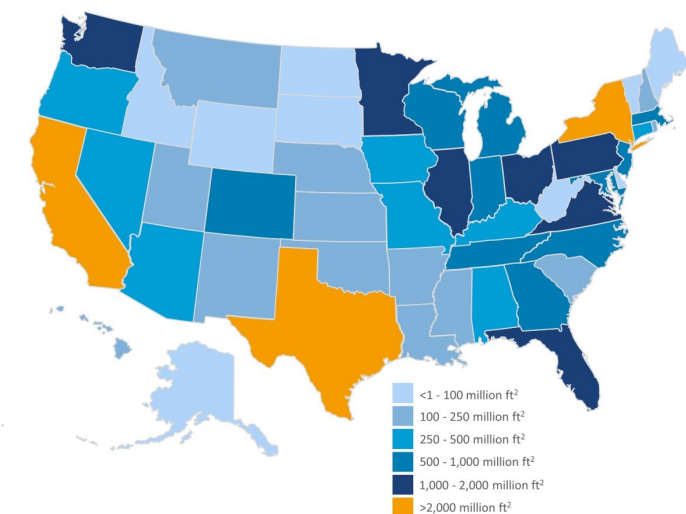
Figure 3a shows that every state in the nation is home to buildings for which energy or water use has been benchmarked in Portfolio Manager. Figure 3b highlights the states with the most growth in benchmarking activity between 2013 and 2014. Interestingly, not all states with high rates of benchmarking growth are those that have low numbers of benchmarked buildings.

Figure 4 provides a similar chart for city benchmarking. Here we see a number of cities in Tennessee with high benchmarking growth rates between 2013 and 2014. The chart also illustrates the difference in benchmarking and square footage growth in different locales. For example, while the growth in buildings benchmarked in Dayton, Ohio and Oklahoma City, Oklahoma is roughly equal, the growth in square footage in Dayton is much greater than that in Oklahoma City.

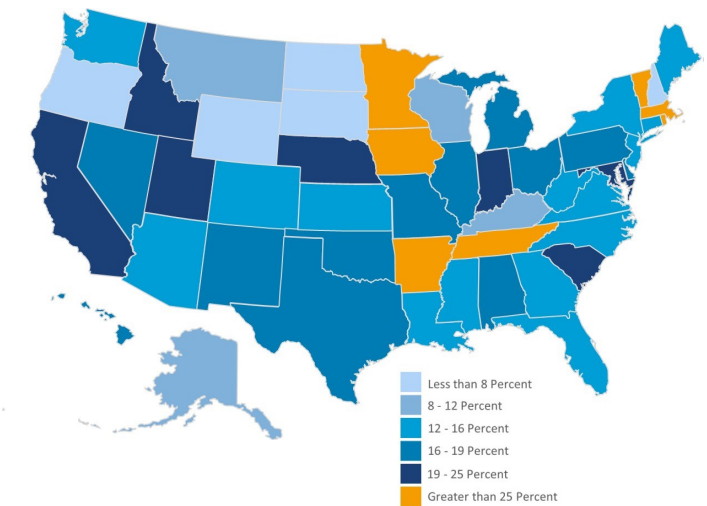
More information about mandatory and voluntary state and local programs that leverage ENERGY STAR can be found at <http://www.energystar.gov/government>.

Detailed benchmarking data, by state and CBSA, is provided in Appendices A and B.

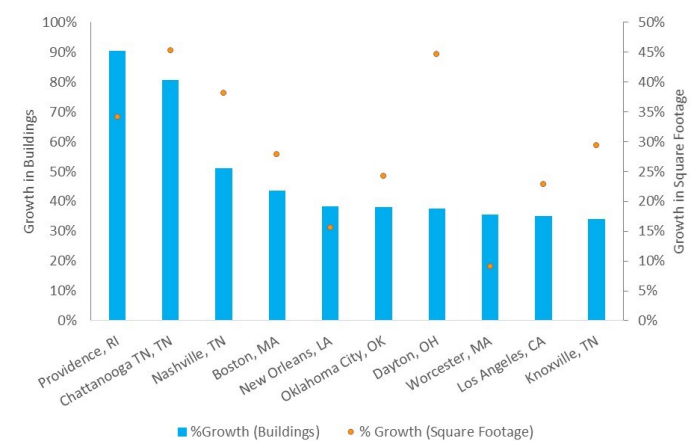
### Figure 3a. Square footage of benchmarked buildings by state (cumulative)



### Figure 3b. Change in square footage of benchmarked buildings by state, 2013 to 2014 (cumulative)



### Figure 4. Top 10 CBSAs by growth in benchmarked buildings, 2013 to 2014 (cumulative)



## ENERGY STAR Certification for Buildings

To be eligible for ENERGY STAR certification, a building must earn an ENERGY STAR score of 75 or higher, indicating that it performs better than at least 75 percent of similar buildings nationwide. These buildings typically use about 35 percent less energy than average buildings. Since 1999 ENERGY STAR has certified nearly 25,000 buildings and more than 3.5 billion square feet of space (Figure 5).

The following building types are eligible to earn the ENERGY STAR: bank, courthouse, data center, distribution center, financial office, hospital, hotel, K-12 school, non-refrigerated warehouse, office, multifamily housing, refrigerated warehouse, retail store, senior care community, supermarket/grocery, worship facility, and wholesale club/supercenter.

In 2014, roughly one-third of the more than 6,800 buildings certified were certified for the first time; the remaining two-thirds had already been certified in a prior year. This demonstrates the value of certification, as well as continued energy efficiency over time.

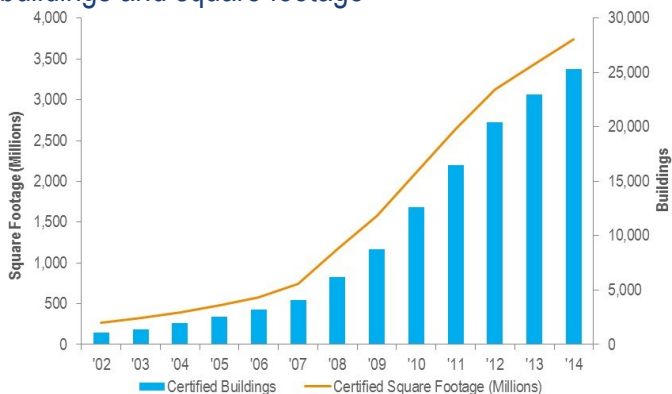
Figures 6a and 6b summarize ENERGY STAR certified buildings by type and illustrate that office, K-12 school, retail, and supermarket make up the majority of ENERGY STAR certified buildings.

These figures also help to show the relative size of certified buildings. For example, while hospitals are the ninth most frequently certified building type, they come in fourth in terms of certified square footage.

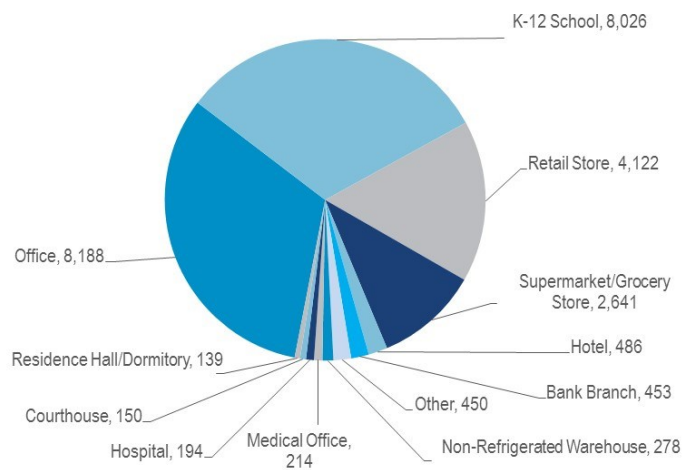
Table 1 demonstrates the distribution of certified buildings by size. More than half of all certified buildings are smaller than 100,000 square feet, but nearly 20% of certified buildings are larger than 200,000 square feet.

Detailed ENERGY STAR certification data is provided by state, CBSA, and building type in Appendices D, E, and F.

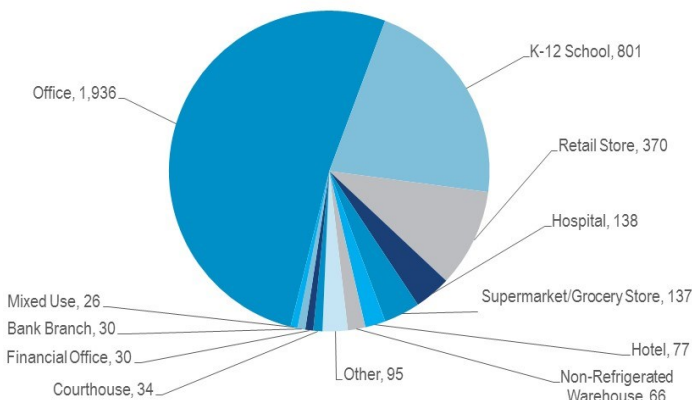
**Figure 5.** Cumulative ENERGY STAR certified buildings and square footage



**Figure 6a.** Cumulative ENERGY STAR certified buildings by type



**Figure 6b.** Cumulative ENERGY STAR certified square footage by type (millions)



**Table 1.** Distribution of cumulative certified buildings by square footage

Range of Square Footage	Percent of Certified Buildings
<50,000	25%
50,001 to 100,000	32%
100,001 to 150,000	17%
150,001 to 200,000	7%
>200,000	19%

## ENERGY STAR Certification for Plants

More than 130 industrial facilities earned ENERGY STAR certification through 2014, indicating superior energy efficiency. More than ten types of industrial plants can earn ENERGY STAR certification, including cement manufacturing, wet corn milling, cookies & crackers, juice, potato products, flat glass, container glass, auto assembly, petroleum industry, pharmaceuticals, pulp mill, and integrated mill. A break out of certified plants by type is provided in Figure 7.

Detailed industrial plant certification data is provided in Appendices G and H. For more information, visit <http://www.energystar.gov/epis>.

## Designed to Earn the ENERGY STAR

A design project that achieves Designed to Earn the ENERGY STAR meets strict EPA criteria for estimated energy performance. It signifies that, once built, the building is poised to achieve top energy performance, and earn ENERGY STAR certification.

The majority of design projects fall in the K-12, office, supermarket, retail, and residence hall/dormitory building categories (Figure 8). However, there are a number of other building types that have earned this distinction.

Detailed data is provided in Appendices I and J. For more information, visit: <http://www.energystar.gov/buildings/service-providers/design/why-you-should-design-earn-energy-star>.

Figure 7. Cumulative certified plants by type

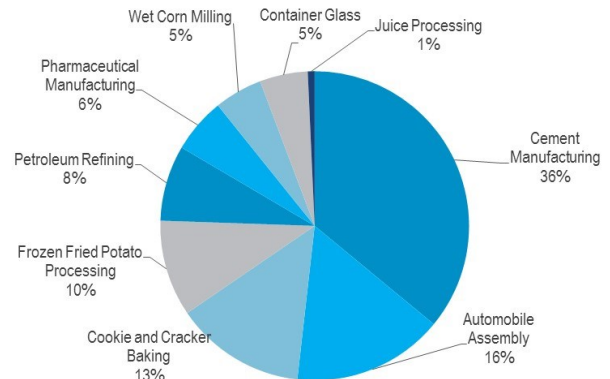
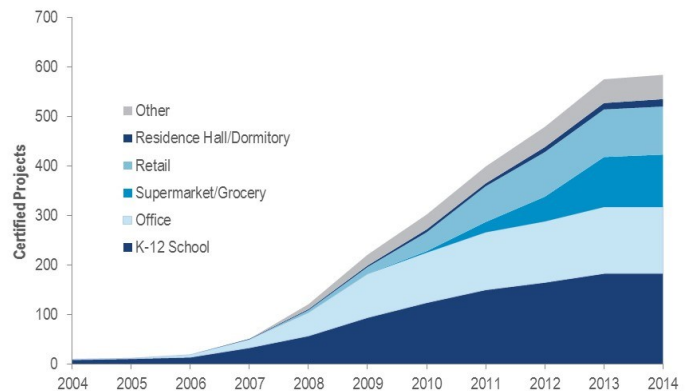


Figure 8. Cumulative Designed to Earn the ENERGY STAR projects



## ENERGY STAR Challenge for Industry

The ENERGY STAR Challenge for Industry is a campaign designed to help energy managers and industrial sites improve energy performance and set goals. Industrial sites participate by committing to the pre-established goal of reducing energy intensity by 10 percent within 5 years or less.

In 2014, 119 sites achieved the challenge and reported an average energy use intensity reduction of 20% (Figure 9). Since 2010, when the Challenge was launched, more than 300 industrial facilities have achieved the Challenge, reducing emissions by more than 12 million metric tons.

For more information, visit <http://www.energystar.gov/industrychallenge>.

## The EPA National Building Competition

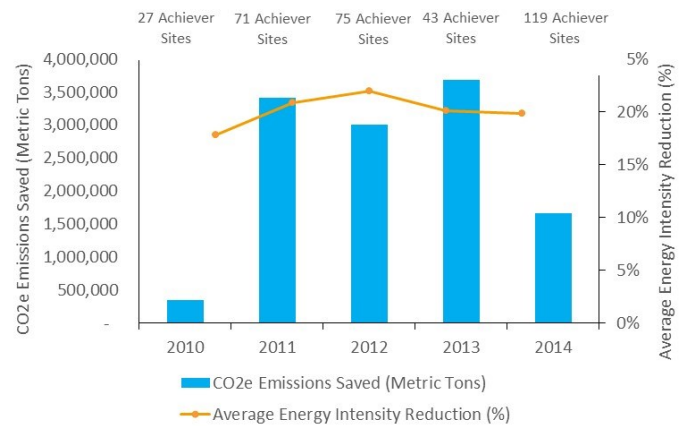
In 2014, EPA hosted its fifth season of the ENERGY STAR National Building Competition. This competition year, EPA recognized top buildings as well as top teams that reduced the most energy or water consumption on a percentage basis over 12 months. More than 100 teams and 5,500 buildings from all 50 states, Puerto Rico, and the District of Columbia battled the scale and each other. Together they saved more than \$50 million, and reduced greenhouse gas (GHG) emissions by more than 250,000 MtCO<sub>2</sub>e. The average building reduced its energy use by 6% and saved nearly \$20,000.

The overall winner was the team that demonstrated the largest year-over-year percentage reduction in energy “weight”, defined as energy use adjusted for weather and the square footage of team buildings. In 2014, the winner was team Going Blue for Woodville from Woodville, Alabama, a 741-person town. The five-building team, which included a town hall, community center, chapel, co-op building, and wastewater treatment plant, reduced its energy use by 25% over 12 months, beating out more than other 100 teams. EPA also recognized the Woodville, Alabama chapel as the top performing building in 2014, for an energy use reduction of 68.4%.

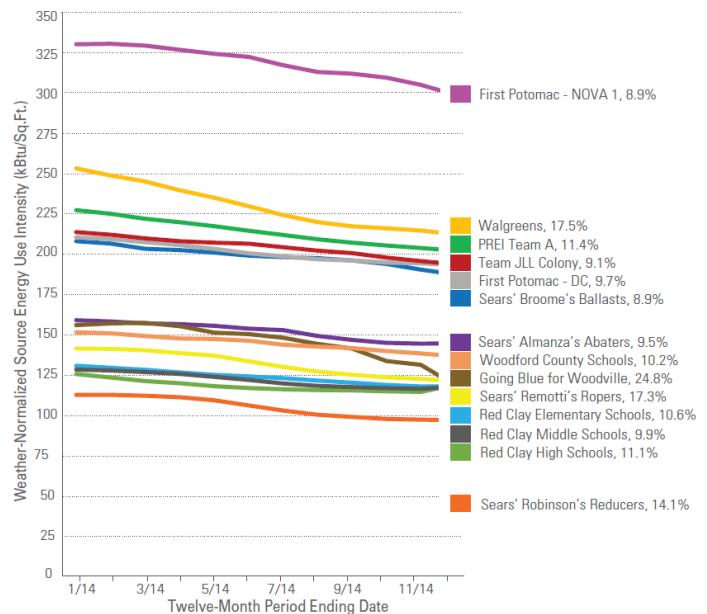
EPA also recognized more than 100 buildings for energy or water savings of 20% or more. All winners were required to have their data verified by a Professional Engineer or Licensed architect to earn ENERGY STAR recognition.

Read about the successful strategies competitors have used to win during each competition year, and get their best energy-saving advice at <http://www.energystar.gov/BattleoftheBuildings>.

**Figure 9.** Annual ENERGY STAR Challenge for Industry achievements



**Figure 10.** Path to energy savings for top teams in the 2014 ENERGY STAR National Building Competition





## Appendices

Appendix A. Benchmarked Buildings and Square Footage by State

Appendix B. Benchmarked Buildings and Square Footage by CBSA

Appendix C. Benchmark Buildings and Square Footage by Type

Appendix D. ENERGY STAR Certified Buildings and Square Footage by State

Appendix E. ENERGY STAR Certified Buildings and Square Footage by CBSA

Appendix F. ENERGY STAR Certified Buildings and Square Footage by Type

Appendix G. ENERGY STAR Certified Plants by State

Appendix H. ENERGY STAR Certified Plants by Type

Appendix I. Designed to Earn the ENERGY STAR Projects by State

Appendix J. Designed to Earn the ENERGY STAR Projects by Type

## Appendix A. Benchmarked Buildings and Square Footage by State

State / Territory	Cumulative Benchmarked through 2013		Cumulative Benchmarked through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Alabama	3,379	228,832,779	4,129	266,347,675	22%	16%
Alaska	742	38,531,460	800	41,466,118	8%	8%
American Samoa	8	537,255	3	20,004	-63%	-96%
Arizona	4,951	389,748,058	5,827	443,528,289	18%	14%
Arkansas	3,256	141,861,500	3,709	176,792,100	14%	25%
California	37,985	3,268,323,851	48,367	3,933,970,502	27%	20%
Colorado	6,508	495,975,589	7,412	554,065,547	14%	12%
Connecticut	3,957	310,517,893	5,161	353,933,717	30%	14%
Delaware	1,046	72,412,814	1,207	84,844,871	15%	17%
District of Columbia (D.C.)	2,771	601,046,158	3,523	674,826,562	27%	12%
Florida	14,152	1,095,797,921	17,337	1,232,586,717	23%	12%
Georgia	7,328	719,367,959	9,016	813,796,310	23%	13%
Guam	69	6,697,442	61	2,875,991	-12%	-57%
Hawaii	1,176	180,972,775	1,465	211,150,358	25%	17%
Idaho	1,329	65,799,971	1,524	78,608,347	15%	19%
Illinois	12,212	1,572,147,292	14,492	1,852,415,023	19%	18%
Indiana	5,171	431,204,534	6,637	513,901,501	28%	19%
Iowa	3,345	229,468,982	4,556	323,699,060	36%	41%
Kansas	2,854	208,177,993	3,383	232,431,890	19%	12%
Kentucky	4,022	274,508,079	4,584	297,284,069	14%	8%
Louisiana	2,360	176,123,960	3,115	202,597,440	32%	15%
Maine	1,629	77,902,531	2,000	88,110,204	23%	13%
Marshall Islands	3	620,279	1	2,779	-67%	-100%
Maryland	5,788	704,486,723	7,639	834,896,107	32%	19%
Massachusetts	7,603	774,695,059	11,471	967,764,687	51%	25%
Michigan	9,094	734,874,339	10,955	864,672,396	20%	18%
Minnesota	11,863	1,020,938,989	15,885	1,302,968,824	34%	28%
Mississippi	1,302	102,986,293	1,600	116,451,458	23%	13%
Missouri	4,215	368,779,543	5,052	433,422,358	20%	18%
Montana	910	98,933,204	1,165	108,906,170	28%	10%
Navajo Nation	10	604,558	2	149,398	-81%	-75%
Nebraska	2,016	149,215,274	2,214	176,994,277	10%	19%
Nevada	2,920	277,025,390	3,437	324,689,827	18%	17%
New Hampshire	2,583	125,987,364	3,147	134,470,268	22%	7%
New Jersey	8,415	698,651,994	10,407	806,932,273	24%	15%
New Mexico	2,438	137,745,222	2,795	160,430,484	15%	16%
New York	34,950	4,796,145,767	41,533	5,458,784,405	19%	14%
North Carolina	8,964	613,600,565	10,474	686,478,258	17%	12%
North Dakota	409	21,492,630	465	22,208,771	14%	3%

## Appendix A. Benchmarked Buildings and Square Footage by State

State / Territory	Cumulative Benchmarked through 2013		Cumulative Benchmarked through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Northern Mariana Islands	15	4,059,549	10	2,163,933	-33%	-47%
Ohio	12,976	1,101,191,267	15,851	1,295,355,174	22%	18%
Oklahoma	1,984	149,060,543	2,468	175,204,222	24%	18%
Oregon	4,547	352,372,565	4,990	377,409,258	10%	7%
Pacific Islands	10	261,280	10	261,280	0%	0%
Pennsylvania	13,383	1,215,523,688	16,502	1,419,518,809	23%	17%
Puerto Rico	583	31,355,767	779	35,750,366	34%	14%
Rhode Island	1,036	77,187,358	1,632	104,198,261	58%	35%
South Carolina	3,304	203,087,849	4,278	243,304,127	29%	20%
South Dakota	679	40,042,335	682	37,238,490	0%	-7%
Tennessee	4,840	414,660,125	7,997	577,047,279	65%	39%
Texas	20,933	2,056,210,530	25,293	2,396,841,591	21%	17%
Trust Territories	7	440,216	10	822,665	43%	87%
U.S. Minor Outlying Islands	10	1,036,529	10	1,137,792	0%	10%
Utah	3,083	197,298,737	3,377	236,665,878	10%	20%
Vermont	909	42,028,586	1,601	66,163,863	76%	57%
Virgin Islands of the U.S.	43	3,414,933	56	3,614,521	30%	6%
Virginia	9,970	896,353,449	11,719	1,006,492,793	18%	12%
Wake Island	15	675,229	12	542,470	-20%	-20%
Washington	13,321	935,089,969	15,188	1,072,385,360	14%	15%
West Virginia	1,290	81,387,555	1,533	91,149,410	19%	12%
Wisconsin	7,013	630,527,159	7,825	693,070,223	12%	10%
Wyoming	396	19,437,183	448	19,952,393	13%	3%

Note: Changes in cumulative benchmarked properties and square footage may be negative. This may occur, for example, because a property owner/manager sells the property and removes the building from their Portfolio Manager account instead of transferring it to the new owner's account.

## Appendix B. Benchmarked Buildings and Square Footage by CBSA

CBSA	Cumulative Benchmarked through 2013		Cumulative Benchmarked through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Akron OH	704	54,048,215	853	60,892,499	21%	13%
Albany-Schenectady-Troy NY	1,140	126,094,208	1,485	137,502,161	30%	9%
Albuquerque NM	991	78,548,045	1,166	90,580,545	18%	15%
Allentown-Bethlehem-Easton PA-NJ	827	70,182,862	1,037	81,442,065	25%	16%
Anchorage AK	303	24,108,497	333	25,727,879	10%	7%
Atlanta-Sandy Springs-Marietta GA	4,844	574,895,208	5,871	645,407,796	21%	12%
Augusta-Richmond County GA-SC	344	32,071,615	405	36,034,190	18%	12%
Austin-Round Rock-San Marcos TX	3,003	305,905,060	4,008	368,493,341	33%	20%
Bakersfield-Delano CA	472	27,782,084	616	35,288,740	30%	27%
Baltimore-Towson MD	2,900	425,144,339	3,658	478,884,480	26%	13%
Baton Rouge LA	446	30,686,962	576	35,112,747	29%	14%
Billings MT	175	11,481,017	200	12,252,201	15%	7%
Birmingham-Hoover AL	771	72,503,739	951	81,254,274	23%	12%
Boise City-Nampa ID	550	32,395,628	627	39,376,338	14%	22%
Boston-Cambridge-Quincy MA-NH	5,872	629,498,830	8,431	804,673,068	44%	28%
Bridgeport-Stamford-Norwalk CT	947	89,136,829	1,226	104,909,881	29%	18%
Buffalo-Niagara Falls NY	1,011	95,644,273	1,267	112,518,348	25%	18%
Cape Coral-Fort Myers FL	370	14,409,212	460	20,773,922	24%	44%
Charleston-North Charleston SC	571	30,986,234	721	40,538,745	26%	31%
Charlotte-Gastonia-Rock Hill NC-SC	2,071	186,980,673	2,420	202,184,282	17%	8%
Chattanooga TN-GA	339	23,126,177	613	33,584,820	81%	45%
Cheyenne WY	69	5,144,858	72	5,674,246	5%	10%
Chicago-Naperville-Joliet IL-IN-WI	10,517	1,459,107,119	12,321	1,714,975,695	17%	18%
Cincinnati-Middletown OH-KY-IN	2,396	221,181,769	2,787	247,066,115	16%	12%
Cleveland-Elyria-Mentor OH	2,177	213,408,561	2,914	255,332,858	34%	20%
Colorado Springs CO	665	47,522,800	719	51,781,606	8%	9%
Columbia SC	577	35,818,240	767	43,102,207	33%	20%
Columbus OH	2,482	252,942,887	2,945	290,370,524	19%	15%
Dallas-Fort Worth-Arlington TX	6,014	652,057,831	7,133	751,053,041	19%	15%
Dayton OH	1,146	79,586,279	1,575	115,128,492	37%	45%
Denver-Aurora CO	3,568	339,155,625	4,080	379,798,463	14%	12%
Des Moines-West Des Moines IA	1,009	87,262,903	1,340	114,023,483	33%	31%
Detroit-Warren-Livonia MI	3,858	368,752,155	4,689	400,930,679	22%	9%
El Paso TX	682	48,364,120	723	52,684,537	6%	9%
Fargo ND-MN	179	9,935,261	230	13,778,422	28%	39%
Fresno CA	665	44,693,147	852	51,965,610	28%	16%
Grand Rapids-Wyoming MI	820	60,935,668	1,022	79,954,357	25%	31%
Greensboro-High Point NC	601	37,845,895	723	44,922,288	20%	19%
Greenville-Mauldin-Easley SC	578	54,122,606	752	60,157,195	30%	11%

## Appendix B. Benchmarked Buildings and Square Footage by CBSA

CBSA	Cumulative Benchmarked through 2013		Cumulative Benchmarked through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Harrisburg-Carlisle PA	844	61,453,427	1,010	69,034,458	20%	12%
Hartford-West Hartford-East Hartford CT	1,340	116,163,392	1,755	129,964,095	31%	12%
Honolulu HI	789	127,407,503	975	148,714,562	24%	17%
Houston-Sugar Land-Baytown TX	4,714	610,996,992	5,632	676,529,161	19%	11%
Indianapolis-Carmel IN	1,717	183,013,321	2,211	218,849,259	29%	20%
Jackson MS	330	32,269,914	391	34,447,298	19%	7%
Jacksonville FL	970	83,385,585	1,194	96,131,545	23%	15%
Kansas City MO-KS	1,952	194,028,675	2,435	221,270,040	25%	14%
Knoxville TN	677	53,240,245	907	68,876,659	34%	29%
Lakeland FL	427	27,897,494	497	28,874,018	16%	4%
Las Vegas-Paradise NV	2,027	209,844,784	2,390	250,904,505	18%	20%
Little Rock-North Little Rock-Conway AR	1,072	69,037,776	1,199	79,339,241	12%	15%
Los Angeles-Long Beach-Santa Ana CA	9,825	1,092,102,102	13,281	1,341,988,500	35%	23%
Louisville/Jefferson County KY-IN	1,359	118,731,000	1,549	127,974,133	14%	8%
Madison WI	981	98,790,410	1,126	106,224,881	15%	8%
Manchester-Nashua NH	628	33,581,203	757	37,655,619	21%	12%
McAllen-Edinburg-Mission TX	521	38,617,305	593	42,851,088	14%	11%
Memphis TN-MS-AR	1,152	129,568,027	1,388	150,137,223	20%	16%
Miami-Fort Lauderdale-Pompano Beach FL	3,693	326,184,163	4,608	358,372,544	25%	10%
Milwaukee-Waukesha-West Allis WI	2,139	238,605,723	2,364	261,075,872	11%	9%
Minneapolis-St. Paul-Bloomington MN-WI	7,011	771,705,856	9,049	963,661,060	29%	25%
Modesto CA	237	13,385,159	316	15,843,470	33%	18%
Nashville-Davidson--Murfreeseboro--Franklin TN	1,438	154,113,708	2,174	212,934,141	51%	38%
New Haven-Milford CT	997	63,209,776	1,243	68,467,822	25%	8%
New Orleans-Metairie-Kenner LA	785	83,978,032	1,085	97,041,999	38%	16%
New York-Northern New Jersey-Long Island NY-NJ-PA	33,242	4,674,783,510	39,477	5,335,502,110	19%	14%
North Port-Bradenton-Sarasota FL	572	38,087,376	676	40,098,898	18%	5%
Ogden-Clearfield UT	647	47,085,998	677	49,891,638	5%	6%
Oklahoma City OK	739	66,839,946	1,020	83,047,921	38%	24%
Omaha-Council Bluffs NE-IA	1,096	91,798,264	1,226	114,410,985	12%	25%
Orlando-Kissimmee-Sanford FL	2,283	222,321,570	2,664	258,147,801	17%	16%
Oxnard-Thousand Oaks-Ventura CA	752	43,533,768	991	57,190,913	32%	31%
Palm Bay-Melbourne-Titusville FL	486	29,853,217	625	32,707,351	29%	10%
Philadelphia-Camden-Wilmington PA-NJ-DE-MD	6,823	680,457,996	8,465	792,053,122	24%	16%
Phoenix-Mesa-Glendale AZ	3,159	301,461,854	3,767	345,957,585	19%	15%
Pittsburgh PA	2,614	234,069,214	3,220	274,072,651	23%	17%
Portland-South Portland-Biddeford ME	822	36,188,946	1,034	41,564,215	26%	15%
Portland-Vancouver-Hillsboro OR-WA	3,490	300,352,449	3,813	321,707,471	9%	7%

## Appendix B. Benchmarked Buildings and Square Footage by CBSA

CBSA	Cumulative Benchmarked through 2013		Cumulative Benchmarked through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Poughkeepsie-Newburgh-Middletown NY	1,065	45,914,299	1,217	53,006,101	14%	15%
Providence-New Bedford-Fall River RI-MA	1,521	112,568,779	2,897	150,970,728	90%	34%
Provo-Orem UT	306	15,078,324	386	22,563,203	26%	50%
Raleigh-Cary NC	1,486	106,777,021	1,669	117,534,103	12%	10%
Richmond VA	1,455	123,213,396	1,702	141,175,583	17%	15%
Riverside-San Bernardino-Ontario CA	2,756	240,244,185	3,626	304,044,431	32%	27%
Rochester NY	1,174	110,728,695	1,320	120,740,693	12%	9%
Sacramento--Arden-Arcade--Roseville CA	2,585	192,599,096	3,461	241,367,607	34%	25%
Salt Lake City UT	1,439	108,713,116	1,596	137,356,051	11%	26%
San Antonio-New Braunfels TX	1,609	146,055,774	1,946	167,002,190	21%	14%
San Diego-Carlsbad-San Marcos CA	4,755	366,568,872	5,741	427,076,233	21%	17%
San Francisco-Oakland-Fremont CA	8,294	761,186,798	9,777	867,296,188	18%	14%
San Jose-Sunnyvale-Santa Clara CA	2,926	233,009,317	3,809	278,761,850	30%	20%
Scranton--Wilkes-Barre PA	523	38,919,472	620	43,593,117	19%	12%
Seattle-Tacoma-Bellevue WA	9,363	718,683,047	10,810	837,655,206	15%	17%
Sioux Falls SD	191	14,586,242	206	17,779,735	8%	22%
Springfield MA	751	49,446,866	1,005	58,316,161	34%	18%
St. Louis MO-IL	2,038	210,758,724	2,426	241,087,127	19%	14%
Stockton CA	401	28,432,330	527	40,009,421	31%	41%
Syracuse NY	755	62,486,670	887	68,801,189	18%	10%
Tampa-St. Petersburg-Clearwater FL	2,385	180,060,285	2,865	196,733,456	20%	9%
Toledo OH	1,007	69,754,590	1,095	76,209,769	9%	9%
Tucson AZ	868	53,439,116	989	57,825,750	14%	8%
Tulsa OK	632	51,016,326	741	57,416,863	17%	13%
Virginia Beach-Norfolk-Newport News VA-NC	2,423	158,715,378	2,623	170,319,665	8%	7%
Washington-Arlington-Alexandria DC-VA-MD-WV	8,867	1,325,636,755	11,314	1,528,129,987	28%	15%
Wichita KS	562	41,476,573	675	48,404,752	20%	17%
Worcester MA	752	60,168,156	1,019	65,612,173	36%	9%
Youngstown-Warren-Boardman OH-PA	474	38,079,519	548	42,753,584	16%	12%

Note: Changes in cumulative benchmarked properties and square footage may be negative. This may occur, for example, because a property owner/manager sells the property and removes the building from their Portfolio Manager account instead of transferring it to the new owner's account.

## Appendix C. Benchmarked Buildings and Square Footage by Type

Property Type	Cumulative Certified through 2013		Cumulative Certified through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Adult Education	21	1,439,751	141	9,035,251	571%	528%
Ambulatory Surgical Center	14	747,695	29	2,758,164	107%	269%
Aquarium	2	110,523	3	119,701	50%	8%
Automobile Dealership	123	9,633,002	214	13,805,790	74%	43%
Bank Branch	26,465	174,809,940	25,502	173,056,096	-4%	-1%
Bar/Nightclub	6	68,104	13	155,104	117%	128%
Barracks	9	617,750	134	4,972,414	1389%	705%
Bowling Alley	2	92,025	8	375,637	300%	308%
Casino	10	6,388,644	18	7,664,857	80%	20%
College/University	3,175	379,776,931	4,596	720,105,790	45%	90%
Convenience Store with Gas Station	18	82,023	50	204,015	178%	149%
Convenience Store without Gas Station	5,922	15,853,372	5,944	16,011,688	0%	1%
Convention Center	14	11,463,449	66	42,611,908	371%	272%
Courthouse	1,785	235,755,471	2,023	272,672,449	13%	16%
Data Center	873	87,394,652	1,027	100,533,180	18%	15%
Distribution Center	1,835	485,371,577	2,278	577,233,398	24%	19%
Drinking Water Treatment & Distribution	37	1,766,060	609	4,987,708	1546%	182%
Enclosed Mall	51	42,687,752	98	59,967,866	92%	40%
Energy/Power Station	9	294,809	40	2,350,114	344%	697%
Fast Food Restaurant	2,399	6,886,080	2,441	7,216,796	2%	5%
Financial Office	1,224	341,870,248	1,505	383,898,527	23%	12%
Fire Station	2,190	19,846,813	2,917	28,866,656	33%	45%
Fitness Center/Health Club/Gym	56	3,454,344	326	20,051,273	482%	480%
Food Sales	31	529,298	41	871,810	32%	65%
Food Service	454	2,152,261	6,617	14,290,608	1357%	564%
Hospital (General Medical & Surgical)	4,939	2,432,901,314	5,424	2,676,907,206	10%	10%
Hotel	10,412	1,886,729,087	11,128	2,043,657,860	7%	8%
Ice/Curling Rink	11	375,208	118	6,543,288	973%	1644%
Indoor Arena	9	1,858,193	40	9,861,581	344%	431%
K-12 School	55,019	5,779,240,752	62,474	6,535,951,376	14%	13%

## Appendix C. Benchmarked Buildings and Square Footage by Type

Property Type	Cumulative Certified through 2013		Cumulative Certified through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Laboratory	104	12,193,373	455	54,338,120	338%	346%
Library	1,993	68,251,903	2,663	93,634,083	34%	37%
Lifestyle Center	54	10,167,652	91	29,092,697	69%	186%
Mailing Center/Post Office	2	1,900	4,076	159,419,528	203700%	8390401%
Manufacturing/Industrial Plant	175	33,260,370	740	160,879,469	323%	384%
Medical Office	5,422	352,648,628	5,917	387,407,036	9%	10%
Mixed Use Property	0	0	0	0	0%	0%
Movie Theater	8	224,259	335	19,481,116	4088%	8587%
Multifamily Housing	19,694	2,495,335,989	24,423	3,018,571,516	24%	21%
Museum	73	10,766,791	293	31,395,003	301%	192%
Non-Refrigerated Warehouse	7,976	669,372,294	9,763	796,402,912	22%	19%
Office	60,848	8,728,797,646	70,648	9,889,190,301	16%	13%
Other	22,331	1,533,998,258	24,264	1,688,787,457	9%	10%
Other - Education	1,203	59,521,653	1,300	62,154,662	8%	4%
Other - Entertainment/ Public Assembly	1,549	230,898,872	1,604	235,037,998	4%	2%
Other - Lodging/Residential	523	21,137,322	883	47,644,867	69%	125%
Other - Mall	251	97,077,275	324	101,941,611	29%	5%
Other - Public Services	1,627	64,288,816	2,478	92,696,639	52%	44%
Other - Recreation	2,207	96,364,791	2,739	108,157,559	24%	12%
Other - Restaurant/Bar	2	2,447	30	587,245	1400%	23899%
Other - Services	1,608	51,869,136	1,619	56,868,960	1%	10%
Other/Specialty Hospital	121	37,313,003	331	63,862,235	174%	71%
Other - Stadium	3	189,802	7	340,762	133%	80%
Other - Technology/Science	7	264,483	82	4,619,870	1071%	1647%
Other - Utility	16	633,267	128	3,609,084	700%	470%
Outpatient Rehabilitation/ Physical Therapy	105	8,832,724	131	10,939,575	25%	24%
Parking	1,084	166,092,046	1,383	210,325,597	28%	27%
Performing Arts	39	2,600,445	184	19,815,270	372%	662%
Personal Services (Health/ Beauty, Dry Cleaning, etc)	15	214,766	54	887,994	260%	313%
Police Station	569	17,103,515	876	28,624,407	54%	67%



## Appendix C. Benchmarked Buildings and Square Footage by Type

Property Type	Cumulative Certified through 2013		Cumulative Certified through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Pre-school/Daycare	130	3,132,127	321	7,638,605	147%	144%
Prison/Incarceration	152	19,778,796	432	121,363,688	184%	514%
Race Track	0	0	2	77,983	N/A	N/A
Refrigerated Warehouse	593	100,163,047	671	109,282,347	13%	9%
Repair Services (Vehicle, Shoe, Locksmith, etc)	121	6,944,978	1,014	33,032,684	738%	376%
Residence Hall/Dormitory	3,958	300,892,084	4,710	350,815,734	19%	17%
Restaurant	616	8,534,276	764	10,382,868	24%	22%
Retail Store	55,131	2,488,001,100	76,436	2,908,300,428	39%	17%
Roller Rink	0	0	1	33,155	N/A	N/A
Self-Storage Facility	258	17,334,145	407	28,033,215	58%	62%
Senior Care Community	2,345	188,705,964	2,718	224,304,006	16%	19%
Single Family Home	72	181,099	916	4,090,159	1172%	2159%
Social/Meeting Hall	846	25,165,077	1,262	34,528,995	49%	37%
Stadium (Closed)	3	1,960,800	3	1,960,800	0%	0%
Stadium (Open)	10	6,928,737	50	20,165,642	400%	191%
Strip Mall	17	2,399,457	241	21,264,611	1318%	786%
Supermarket/Grocery Store	15,639	701,665,550	16,147	724,477,757	3%	3%
Swimming Pool	135	782,325	158	905,018	17%	16%
Transportation Terminal/Station	28	10,094,460	227	20,765,075	711%	106%
Urgent Care/Clinic/Other Outpatient	336	10,990,182	347	16,697,947	3%	52%
Veterinary Office	8	144,852	26	455,700	225%	215%
Vocational School	22	1,918,135	86	6,343,797	291%	231%
Wastewater Treatment Plant	1,377	N/A	1,568	24,051,312	14%	N/A
Wholesale Club/Supercenter	12	2,026,048	50	6,765,473	317%	234%
Worship Facility	2,235	87,868,831	2,684	105,344,669	20%	20%
Zoo	3	653,894	20	3,943,252	567%	503%

Note: Changes in cumulative benchmarked properties and square footage may be negative. This may occur, for example, because a property owner/manager sells the property and removes the building from their Portfolio Manager account instead of transferring it to the new owner's account.

## Appendix D. ENERGY STAR Certified Buildings and Square Footage by State

State Name	Cumulative Certified through 2013		Cumulative Certified through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Alabama	143	15,090,562	184	19,257,365	29%	28%
Alaska	38	3,607,984	38	3,607,984	0%	0%
American Samoa	0	0	0	0	0%	0%
Arizona	515	62,817,032	580	68,846,514	13%	10%
Arkansas	48	5,930,089	57	6,617,268	19%	12%
California	3,999	546,471,820	4,398	584,606,320	10%	7%
Colorado	779	101,196,299	843	109,267,503	8%	8%
Connecticut	214	34,558,623	232	36,803,765	8%	6%
Delaware	79	8,302,416	84	9,013,563	6%	9%
District of Columbia (D.C.)	295	99,015,835	313	104,799,628	6%	6%
Florida	856	120,655,796	935	129,751,713	9%	8%
Georgia	756	141,424,054	822	151,308,720	9%	7%
Guam	2	166,818	2	166,818	0%	0%
Hawaii	72	18,836,431	75	19,028,559	4%	1%
Idaho	112	10,269,249	147	12,276,724	31%	20%
Illinois	789	209,336,552	853	223,057,720	8%	7%
Indiana	572	69,934,220	612	73,969,938	7%	6%
Iowa	204	22,624,716	248	27,349,399	22%	21%
Kansas	198	19,982,642	207	20,948,750	5%	5%
Kentucky	445	37,230,298	500	41,681,689	12%	12%
Louisiana	53	17,358,328	71	19,237,268	34%	11%
Maine	65	5,490,613	70	6,198,680	8%	13%
Marshall Islands	0	0	0	0	0%	0%
Maryland	382	47,376,066	424	53,213,210	11%	12%
Massachusetts	543	99,294,233	587	108,098,269	8%	9%
Michigan	799	95,643,494	878	102,321,795	10%	7%
Minnesota	571	106,705,457	600	110,989,520	5%	4%
Mississippi	54	5,953,772	58	6,379,178	7%	7%
Missouri	238	45,676,568	292	50,563,169	23%	11%
Montana	72	5,342,692	75	5,495,532	4%	3%
Navajo Nation	0	0	0	0	0%	0%
Nebraska	109	13,553,158	112	14,257,409	3%	5%
Nevada	99	12,637,106	109	13,841,961	10%	10%
New Hampshire	141	13,374,888	146	14,129,783	4%	6%
New Jersey	420	62,139,393	467	68,414,920	11%	10%
New Mexico	220	25,560,612	245	27,162,883	11%	6%
New York	1,019	258,140,173	1,100	288,033,312	8%	12%

## Appendix D. ENERGY STAR Certified Buildings and Square Footage by State

State / Territory	Cumulative Certified through 2013		Cumulative Certified through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
North Carolina	1,162	96,336,256	1,223	102,737,704	5%	7%
North Dakota	29	2,361,244	29	2,361,244	0%	0%
Northern Mariana Islands	0	0	0	0	0%	0%
Ohio	881	118,637,351	946	126,092,852	7%	6%
Oklahoma	105	13,605,002	121	14,791,003	15%	9%
Oregon	313	42,519,402	328	45,197,696	5%	6%
Pacific Islands	0	0	0	0	0%	0%
Pennsylvania	789	115,420,439	876	126,917,561	11%	10%
Puerto Rico	14	911,739	16	1,336,739	14%	47%
Rhode Island	77	7,582,008	79	7,656,175	3%	1%
South Carolina	282	22,415,201	334	27,989,485	18%	25%
South Dakota	71	6,035,028	73	6,355,933	3%	5%
Tennessee	233	33,591,888	284	41,040,032	22%	22%
Texas	1,533	321,940,418	1,768	351,839,954	15%	9%
Trust Territories	1	129,819	1	129,819	0%	0%
U.S. Minor Outlying Islands	0	0	0	0	0%	0%
Utah	287	28,698,493	368	36,600,082	28%	28%
Vermont	48	3,109,228	71	5,165,566	48%	66%
Virgin Islands of the U.S.	1	76,227	1	76,227	0%	0%
Virginia	1,037	123,581,612	1,137	134,802,454	10%	9%
Wake Island	0	0	0	0	0%	0%
Washington	542	82,945,124	612	92,695,150	13%	12%
West Virginia	82	6,340,324	84	6,495,638	2%	2%
Wisconsin	580	72,152,444	603	73,994,984	4%	3%
Wyoming	16	1,363,527	22	1,623,972	38%	19%

Note: Changes in cumulative certified square footage may be negative. This may occur, for example, if a property is certified in 2013, then reduces its square footage and applies for certification again in 2014. While this table summarizes unique certified buildings, the cumulative square footage reported for each year reflects the square footage value which was submitted with each building's most recent certification application.

## Appendix E. ENERGY STAR Certified Buildings and Square Footage by CBSA

CBSA	Cumulative Certified through 2013		Cumulative Certified through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Akron OH	53	5,219,786	55	5,922,911	4%	13%
Albany-Schenectady-Troy NY	124	14,878,869	134	16,633,094	8%	12%
Albuquerque NM	134	18,345,266	145	19,085,859	8%	4%
Allentown-Bethlehem-Easton PA-NJ	80	10,725,880	94	11,600,344	18%	8%
Anchorage AK	29	2,692,522	29	2,692,522	0%	0%
Atlanta-Sandy Springs-Marietta GA	611	129,529,168	666	138,699,871	9%	7%
Augusta-Richmond County GA-SC	20	2,973,195	22	3,110,301	10%	5%
Austin-Round Rock-San Marcos TX	223	28,975,519	240	30,987,080	8%	7%
Bakersfield-Delano CA	19	1,483,728	20	1,627,824	5%	10%
Baltimore-Towson MD	150	17,037,481	164	18,277,769	9%	7%
Baton Rouge LA	2	343,895	8	993,639	300%	189%
Billings MT	38	2,534,725	40	2,682,565	5%	6%
Birmingham-Hoover AL	37	5,953,779	40	6,672,698	8%	12%
Boise City-Nampa ID	36	4,555,093	69	6,534,015	92%	43%
Boston-Cambridge-Quincy MA-NH	457	89,212,841	492	96,923,899	8%	9%
Bridgeport-Stamford-Norwalk CT	70	11,101,039	75	11,631,185	7%	5%
Buffalo-Niagara Falls NY	76	11,355,878	78	11,418,039	3%	1%
Cape Coral-Fort Myers FL	5	266,446	5	266,446	0%	0%
Charleston-North Charleston SC	29	1,609,509	51	4,300,297	76%	167%
Charlotte-Gastonia-Rock Hill NC-SC	348	41,556,276	379	45,982,470	9%	11%
Chattanooga TN-GA	23	3,579,359	23	3,579,359	0%	0%
Cheyenne WY	5	786,791	5	786,791	0%	0%
Chicago-Naperville-Joliet IL-IN-WI	665	201,174,416	711	213,729,533	7%	6%
Cincinnati-Middletown OH-KY-IN	243	39,752,506	258	41,501,863	6%	4%
Cleveland-Elyria-Mentor OH	173	28,310,153	181	29,269,289	5%	3%
Colorado Springs CO	95	8,975,945	98	9,175,840	3%	2%
Columbia SC	53	4,415,124	61	5,322,227	15%	21%
Columbus OH	165	26,174,374	186	28,330,662	13%	8%
Dallas-Fort Worth-Arlington TX	529	115,427,808	618	126,890,967	17%	10%
Dayton OH	54	4,941,229	57	5,331,719	6%	8%
Denver-Aurora CO	453	75,336,707	500	82,081,856	10%	9%
Des Moines-West Des Moines IA	100	13,555,804	104	14,667,323	4%	8%
Detroit-Warren-Livonia MI	393	56,888,894	440	60,796,995	12%	7%
El Paso TX	7	727,117	10	1,065,287	43%	47%
Fargo ND-MN	11	1,087,251	11	1,087,251	0%	0%
Fresno CA	85	7,267,524	88	7,389,834	4%	2%
Grand Rapids-Wyoming MI	79	7,950,687	84	8,617,352	6%	8%
Greensboro-High Point NC	73	4,818,910	75	4,831,950	3%	0%

## Appendix E. ENERGY STAR Certified Buildings and Square Footage by CBSA

CBSA	Cumulative Certified through 2013		Cumulative Certified through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Greenville-Mauldin-Easley SC	72	7,998,645	74	8,150,759	3%	2%
Harrisburg-Carlisle PA	53	6,636,115	57	7,043,257	8%	6%
Hartford-West Hartford-East Hartford CT	65	13,055,650	70	13,590,604	8%	4%
Honolulu HI	65	17,751,473	67	17,789,828	3%	0%
Houston-Sugar Land-Baytown TX	459	136,664,766	518	144,219,720	13%	6%
Indianapolis-Carmel IN	199	29,890,332	210	30,843,684	6%	3%
Jackson MS	29	2,467,316	30	2,593,289	3%	5%
Jacksonville FL	83	11,362,656	85	11,572,227	2%	2%
Kansas City MO-KS	196	33,712,324	228	36,420,162	16%	8%
Knoxville TN	24	3,594,880	31	5,123,618	29%	43%
Lakeland FL	125	11,867,575	125	11,867,575	0%	0%
Las Vegas-Paradise NV	77	9,113,960	85	10,153,451	10%	11%
Little Rock-North Little Rock-Conway AR	20	2,240,705	23	2,440,271	15%	9%
Los Angeles-Long Beach-Santa Ana CA	1,402	228,042,157	1,520	239,393,477	8%	5%
Louisville/Jefferson County KY-IN	161	17,473,693	190	19,250,330	18%	10%
Madison WI	85	10,171,764	86	10,313,281	1%	1%
Manchester-Nashua NH	42	5,207,835	42	5,207,835	0%	0%
McAllen-Edinburg-Mission TX	42	3,707,441	42	3,707,441	0%	0%
Memphis TN-MS-AR	47	9,519,475	54	10,264,054	15%	8%
Miami-Fort Lauderdale-Pompano Beach FL	198	35,940,034	214	38,025,744	8%	6%
Milwaukee-Waukesha-West Allis WI	212	30,500,262	216	30,789,663	2%	1%
Minneapolis-St. Paul-Bloomington MN-WI	449	95,927,276	476	100,113,178	6%	4%
Modesto CA	36	2,676,876	38	2,932,676	6%	10%
Nashville-Davidson--Murfreesboro--Franklin TN	89	13,981,361	104	17,081,845	17%	22%
New Haven-Milford CT	49	6,388,492	53	7,309,814	8%	14%
New Orleans-Metairie-Kenner LA	33	14,502,384	41	15,355,747	24%	6%
New York-Northern New Jersey-Long Island NY-NJ-PA	782	243,697,658	863	274,924,025	10%	13%
North Port-Bradenton-Sarasota FL	31	4,702,219	33	4,773,627	6%	2%
Ogden-Clearfield UT	91	8,848,937	92	8,874,996	1%	0%
Oklahoma City OK	39	5,000,797	45	5,681,135	15%	14%
Omaha-Council Bluffs NE-IA	73	9,089,536	75	9,759,763	3%	7%
Orlando-Kissimmee-Sanford FL	101	17,058,444	123	19,321,857	22%	13%
Oxnard-Thousand Oaks-Ventura CA	115	10,192,942	119	10,305,552	3%	1%
Palm Bay-Melbourne-Titusville FL	72	8,739,076	72	8,434,283	0%	-3%
Philadelphia-Camden-Wilmington PA-NJ-DE-MD	413	68,704,490	467	74,235,896	13%	8%
Phoenix-Mesa-Glendale AZ	394	52,626,565	437	57,111,344	11%	9%
Pittsburgh PA	123	16,622,348	143	21,114,601	16%	27%
Portland-South Portland-Biddeford ME	38	2,394,662	40	2,846,529	5%	19%

## Appendix E. ENERGY STAR Certified Buildings and Square Footage by CBSA

CBSA	Cumulative Certified through 2013		Cumulative Certified through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Portland-Vancouver-Hillsboro OR-WA	303	42,795,524	318	45,560,110	5%	6%
Poughkeepsie-Newburgh-Middletown NY	36	4,343,903	38	4,595,924	6%	6%
Providence-New Bedford-Fall River RI-MA	98	9,683,207	104	10,328,589	6%	7%
Provo-Orem UT	6	654,155	46	4,805,347	667%	635%
Raleigh-Cary NC	122	10,367,342	138	12,054,258	13%	16%
Richmond VA	123	11,724,913	132	12,445,857	7%	6%
Riverside-San Bernardino-Ontario CA	282	28,165,916	390	36,225,807	38%	29%
Rochester NY	97	12,292,210	101	12,565,941	4%	2%
Sacramento--Arden-Arcade--Roseville CA	384	36,517,419	394	37,812,843	3%	4%
Salt Lake City UT	121	13,866,446	141	15,861,207	17%	14%
San Antonio-New Braunfels TX	107	20,654,747	121	23,548,245	13%	14%
San Diego-Carlsbad-San Marcos CA	472	47,784,218	489	49,647,750	4%	4%
San Francisco-Oakland-Fremont CA	665	131,721,506	721	140,203,552	8%	6%
San Jose-Sunnyvale-Santa Clara CA	238	28,753,835	254	30,006,238	7%	4%
Scranton--Wilkes-Barre PA	26	2,495,591	27	2,603,106	4%	4%
Seattle-Tacoma-Bellevue WA	332	62,075,764	395	70,958,879	19%	14%
Sioux Falls SD	45	4,342,705	46	4,531,205	2%	4%
Springfield MA	15	1,740,761	17	1,930,517	13%	11%
St. Louis MO-IL	111	18,989,006	129	21,142,444	16%	11%
Stockton CA	56	4,958,915	104	8,848,997	86%	78%
Syracuse NY	64	7,190,785	64	7,189,150	0%	0%
Tampa-St. Petersburg-Clearwater FL	139	21,379,545	158	24,062,573	14%	13%
Toledo OH	42	3,400,050	45	3,732,806	7%	10%
Tucson AZ	57	5,666,648	64	6,195,163	12%	9%
Tulsa OK	34	6,016,215	38	6,395,524	12%	6%
Virginia Beach-Norfolk-Newport News VA-NC	178	13,585,691	206	15,464,739	16%	14%
Washington-Arlington-Alexandria DC-VA-MD-WV	933	205,848,646	1,023	223,515,180	10%	9%
Wichita KS	21	2,900,383	21	2,900,232	0%	0%
Worcester MA	41	4,617,694	45	5,078,022	10%	10%
Youngstown-Warren-Boardman OH-PA	18	1,513,366	21	1,782,156	17%	18%

Note: Changes in cumulative certified square footage may be negative. This may occur, for example, if a property is certified in 2013, then reduces its square footage and applies for certification again in 2014. While this table summarizes unique certified buildings, the cumulative square footage reported for each year reflects the square footage value which was submitted with each building's most recent certification application.

## Appendix F. ENERGY STAR Certified Buildings and Square Footage by Type

Building Type	Cumulative Certified through 2013		Cumulative Certified through 2014		% Change 2013 to 2014	
	Buildings	Square Footage	Buildings	Square Footage	Buildings	Square Footage
Bank Branch	429	40,254,098	453	29,684,859	6%	-26%
Barracks	0	0	0	0	0%	0%
Courthouse	147	34,040,006	150	34,455,145	2%	1%
Data Center	54	6,839,884	61	8,340,227	13%	22%
Distribution Center	17	6,713,928	70	24,495,503	312%	265%
Financial Office	22	17,060,595	49	29,894,511	123%	75%
Hospital (General Medical & Surgical)	194	132,988,048	202	137,677,981	4%	4%
Hotel	476	75,260,167	486	76,777,877	2%	2%
K-12 School	7,321	730,600,933	8,026	800,867,693	10%	10%
Medical Office	200	20,436,256	214	21,112,147	7%	3%
Mixed Use	38	12,866,951	83	25,931,139	118%	102%
Multifamily Housing	0	0	21	18,276,869	N/A	N/A
Non-Refrigerated Warehouse	272	72,149,577	278	66,113,952	2%	-8%
Office	7,607	1,839,720,496	8,188	1,935,768,549	8%	5%
Refrigerated Warehouse	10	2,535,715	11	2,703,705	10%	7%
Residence Hall/Dormitory	139	9,520,473	139	9,534,352	0%	0%
Retail Store	3,493	308,078,713	4,122	370,126,973	18%	20%
Senior Care Community	86	6,123,974	98	7,024,791	14%	15%
Supermarket/Grocery Store	2,437	125,176,399	2,641	136,537,280	8%	9%
Worship Facility	42	1,084,547	48	1,273,542	14%	17%
<b>Total</b>	<b>22,984</b>	<b>3,441,450,760</b>	<b>25,340</b>	<b>3,736,597,095</b>	<b>10%</b>	<b>9%</b>

Note: Changes in cumulative certified properties and square footage may be negative. This may occur, for example, if a property is certified as "Bank Branch" in 2013 or before, and then has a legitimate change in property type to "Financial Office" in 2014. In this case, the cumulative number of certified "Bank Branch" buildings and square footage would decrease from 2013 to 2014. Percent change in building count and square footage do not necessarily vary in the same proportion.

## Appendix G. ENERGY STAR Certified Plants by State

State	Cumulative Certified Plants		Change 2013 to 2014
	2013	2014	
Alabama	6	7	1
Arizona	2	2	0
California	11	11	0
Colorado	1	1	0
Delaware	1	1	0
Florida	4	4	0
Georgia	4	4	0
Idaho	2	3	1
Illinois	3	4	1
Indiana	7	7	0
Iowa	4	4	0
Kansas	1	1	0
Kentucky	5	5	0
Louisiana	3	3	0
Maine	1	1	0
Maryland	1	1	0
Massachusetts	2	2	0
Michigan	3	3	0
Minnesota	4	4	0
Mississippi	2	2	0
Missouri	6	7	1
Montana	2	2	0
Nebraska	2	2	0
New Jersey	1	1	0
New Mexico	1	1	0
New York	1	2	1
North Carolina	2	2	0
North Dakota	1	1	0
Ohio	7	7	0
Oklahoma	3	3	0
Oregon	3	3	0
Pennsylvania	2	3	1
Puerto Rico	2	2	0
South Carolina	1	1	0
South Dakota	1	1	0
Tennessee	5	5	0
Texas	8	8	0
Utah	2	3	1
Virginia	2	2	0
Washington	9	9	0
West Virginia	0	1	1
Wisconsin	3	3	0
<b>Total</b>	<b>131</b>	<b>139</b>	<b>8</b>



## Appendix H. ENERGY STAR Certified Plants by Type

Plant Type	Cumulative Certified Plants		Change 2013 to 2014
	2013	2014	
Automobile Assembly	22	22	0
Cement Manufacturing	45	50	5
Container Glass	7	7	0
Cookie and Cracker Baking	18	19	1
Frozen Fried Potato Processing	13	14	1
Juice Processing	1	1	0
Petroleum Refining	10	11	1
Pharmaceutical Manufacturing	8	8	0
Wet Corn Milling	7	7	0
<b>Total</b>	<b>131</b>	<b>139</b>	<b>8</b>

## Appendix I. Designed to Earn the ENERGY STAR Projects by State

State	Cumulative Certified Projects		Change 2013 to 2014
	2013	2014	
Alabama	3	3	0
Arkansas	4	4	0
Arizona	7	8	1
California	38	40	2
Colorado	25	25	0
Connecticut	8	8	0
District of Columbia (D.C.)	3	3	0
Delaware	1	1	0
Florida	15	15	0
Georgia	20	21	1
Iowa	5	5	0
Idaho	1	1	0
Illinois	19	19	0
Indiana	17	20	3
Kansas	5	7	2
Kentucky	36	37	1
Louisiana	6	6	0
Massachusetts	10	10	0
Maryland	6	7	1
Michigan	12	14	2
Minnesota	4	4	0
Missouri	3	3	0
MP	0	1	1
Mississippi	2	2	0
Montana	1	1	0
North Carolina	41	48	7
North Dakota	2	2	0
Nebraska	5	5	0
New Hampshire	2	2	0
New Jersey	3	3	0
New Mexico	12	16	4
Nevada	7	7	0
New York	9	10	1
Ohio	65	95	30
Oklahoma	4	4	0
Oregon	8	8	0
Pennsylvania	12	14	2
Rhode Island	1	1	0
South Carolina	13	14	1
South Dakota	1	1	0
Tennessee	19	22	3
Texas	50	52	2
Utah	2	2	0
Virginia	29	33	4
Washington	25	25	0
Wisconsin	11	12	1
Wyoming	3	3	0
<b>Total</b>	<b>575</b>	<b>644</b>	<b>69</b>

## Appendix J. Designed to Earn the ENERGY STAR Projects by Type

Property Type	Cumulative Certified Projects		Change 2013 to 2014
	2013	2014	
Bank/Financial Institution	5	5	0
Courthouse	6	8	2
Data Center	6	6	0
Hospital (Acute Care or Children's)	6	6	0
Hotel	3	3	0
House of Worship	1	1	0
K-12 School	183	201	18
Medical Office	5	5	0
Office	144	150	6
Residence Hall/Dormitory	13	15	2
Retail	96	98	2
Senior Care Community	0	1	1
Supermarket/Grocery	101	138	37
Warehouse	6	6	0
<b>Total</b>	<b>575</b>	<b>643</b>	<b>68</b>