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ENERGY STAR® Snapshot:

Measuring Progress in the Commercial and Industrial Buildings Sector

Spring 2013

Snapshot data runs through December 31, 2012.

The ENERGY STAR Snapshot provides an at-a-glance summary of the latest national ENERGY STAR metrics to help you, our partners, see the impact of your efforts. The ENERGY STAR Snapshot is distributed two times per year and provides:

- Trends in energy benchmarking of commercial and industrial buildings.
- State-by-state activity along with activity for the top Designated Market Areas.
- Industrial sector participation in ENERGY STAR.
- Trends in ENERGY STAR certified commercial and industrial facilities.

Summary

In 2012, commercial and industrial organizations exceeded annual figures for benchmarking and certification that were set in 2011. At the same time, in 2012, EPA revised the process for tabulating total buildings benchmarked in Portfolio Manager, to refine the estimates. EPA also conducted a one-time update to remove inactive accounts and buildings from Portfolio Manager. The figures in this document reflect this revised process.

Since December, 2011:

- The total number of benchmarked buildings has grown to more than 300,000, representing more than 30 billion square feet.
- More than 225,000 buildings have earned a 1-100 ENERGY STAR performance score, accounting for more than 24 billion square feet.
- More than 80,000 buildings for which no 1-100 ENERGY STAR energy performance scale is available benchmarked their energy performance using other metrics in Portfolio Manager. These buildings account for nearly 6 billion square feet.
- More than 8,200 buildings earned EPA's ENERGY STAR in 2012, bringing the total to more than 20,000 certified buildings, representing more than 3 billion square feet. This is the greatest number of buildings certified in any one year in ENERGY STAR history.
- A total of 161 ENERGY STAR Leader recognitions were awarded in 2012. As of 2012, a total of 277 partners had achieved 545 Leaders recognitions.



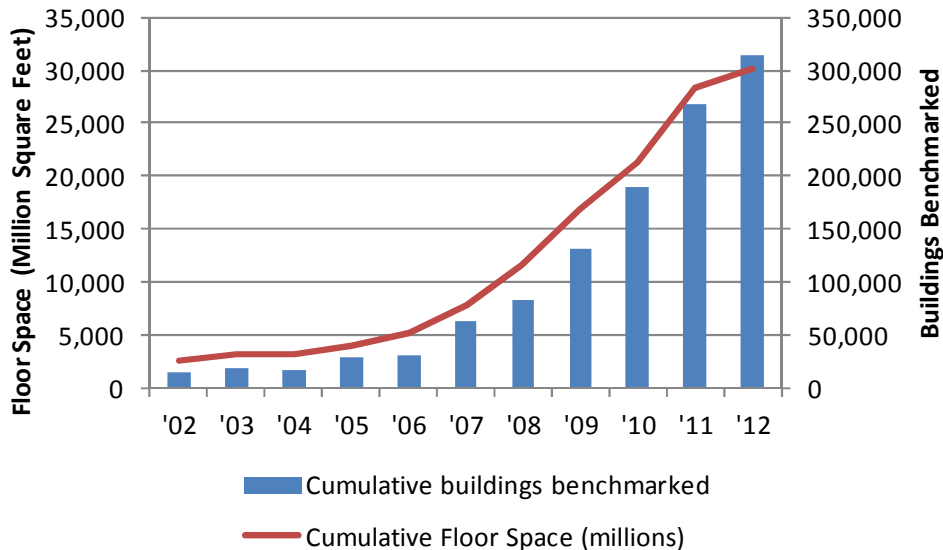
Trends in Measuring Building Energy Performance

⇒ Energy Use Benchmarking Becoming Established Business Practice

Benchmarking energy use is a first step to assess energy performance and to measure ongoing progress. EPA’s online tool, Portfolio Manager, enables building owners and managers to assess and track this performance over time as well as target investments in energy efficiency. By the end of 2012:

- The energy performance of more than 300,000 buildings – representing over 30 billion square feet, or more than 40% of the total commercial buildings market – has been assessed using EPA’s ENERGY STAR Portfolio Manager.
- More than 225,000 buildings have received a 1-100 ENERGY STAR energy performance score, accounting for over 24 billion square feet.
- More than 80,000 additional buildings for which no 1-100 ENERGY STAR energy performance scale is available have benchmarked using other metrics in Portfolio Manager. This represents nearly 6 billion square feet of benchmarked space. Those building types with greatest representation include fire and police stations, multifamily housing, fast food businesses, and colleges/universities.

Annual Number and Square Footage of All Commercial Buildings Benchmarked (through December 31, 2012)



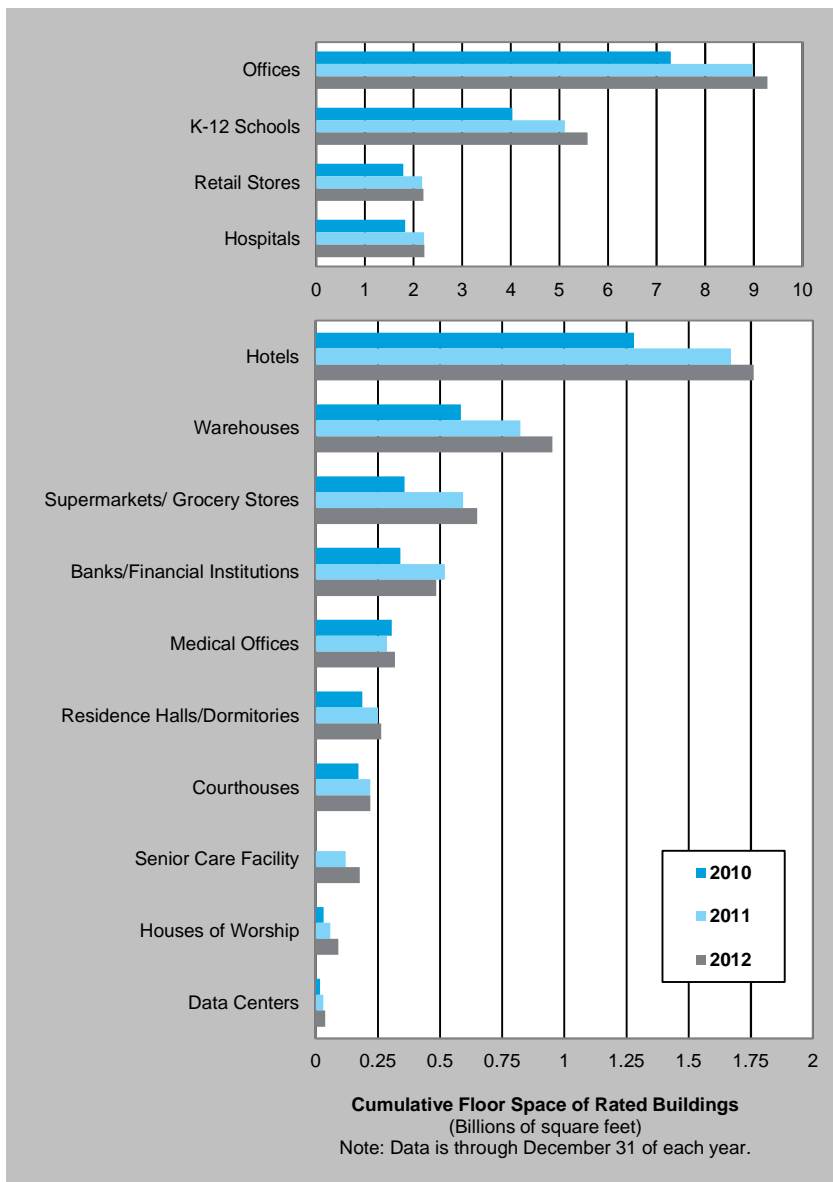
* The count and square footage of buildings that can receive a 1 to 100 ENERGY STAR score is presented from 1999 to the present. From 2009 and forward, count and square footage of buildings for which no 1-100 ENERGY STAR energy performance scale is available were also recorded and are reflected for those years in the chart above.



⇒ Growth in Energy Use Benchmarking by Building Type

- Fourteen building types can assess their energy performance using EPA’s 1-100 ENERGY STAR energy performance scale, as well as earn ENERGY STAR certification. All buildings can track energy use intensity using Portfolio Manager.
- Office and schools continue to represent the greatest quantity of floor space benchmarked.

Cumulative Floor Space of Buildings Earning a 1-100 ENERGY STAR Energy Performance Score by Space Type, through 4th Quarter of 2010, 2011, and 2012



Note: Ratings became available for offices in 1999; K-12 schools in 2000; supermarkets/grocery stores, hotels, and hospitals in 2001; warehouses/storage buildings, residence halls, medical offices, bank branches, courthouses, and financial centers in 2004; retail space in 2007; house of worship in 2009; data center in 2010; and senior care in 2011. Bank branches and financial institutions were combined in 2007.



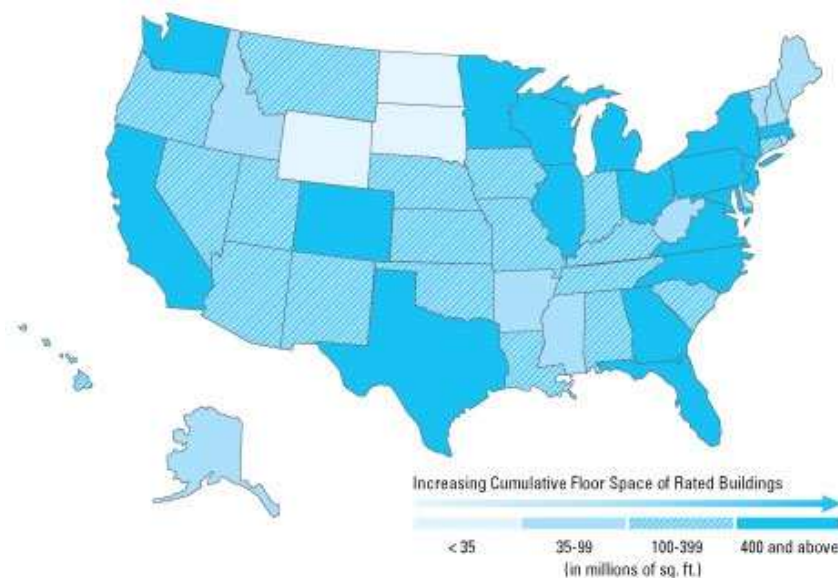
⇒ States Reflect Benchmarking Progress

State governments play an important role in the ENERGY STAR program. Many are taking important steps to protect the environment and lower energy costs, and are increasingly leveraging EPA's ENERGY STAR resources to reduce energy use in their buildings. In addition, Federal agencies and state and local governments across the country are adopting policies that leverage ENERGY STAR tools to reduce energy use in commercial buildings, through both required policy measures and voluntary campaigns. More information can be found at <http://www.energystar.gov/government>.

The Top 10 States with the Largest Amount of Floor Space in Buildings that have Earned a 1-100 ENERGY STAR Energy Performance Score

Rank	State (4th Quarter Rank)	Cumulative Square Feet (millions)	Percent Change from December 2011
1	California (1)	2,763	9%
2	New York (2)	2,551	5%
3	Texas (3)	1,789	7%
4	Illinois (4)	1,327	4%
5	Pennsylvania (6)	981	3%
6	Florida (5)	934	4%
7	Ohio (7)	922	13%
8	Virginia (9)	728	5%
9	Michigan (10)	620	-5%
10	Massachusetts (8)	600	-6%

Floor Space of Buildings with an ENERGY STAR Energy Performance Score, by State (through December 31, 2012)





⇒ **ENERGY STAR Industrial Focus on Energy**

Twenty-four major industries participate in Industrial Focuses to pool ideas and work toward energy efficiency improvements. Industrial Focuses provide an opportunity for companies within a single manufacturing industry to network with peers and share industry-specific energy management tools and resources to create momentum for continued improvement. For more information, go to www.energystar.gov/epis.

Focus	Peer Exchange Network	Industrial Energy Guide	Energy Performance Indicator	ENERGY STAR Certification
Baking • Bread and Roll	✓	Published	• In progress	
Cement Manufacturing	✓	Published	• Released 2006 • Updated 2011	★
Concrete	✓	Published	• Draft under review	
Dairy • Ice Cream • Fluid Milk	✓	Published	• Draft under review • Draft under review	
Wet Corn Milling	✓	Published	• Released 2006 • Updated 2012	★
Food Processing • Cookies & Crackers • Juice • Potato Products • Tomato Products	✓	Published	• Released 2011 • Released 2009 • Released 2009 • Draft under review	★ ★ ★
Glass Manufacturing • Fiberglass • Flat glass • Container glass	✓	Published	• Draft under review • Released 2009 • Released 2009	★ ★
Metal Casting • Iron • Investment Steel Casting • Carbon/Alloy Casting	✓	In progress	• Draft under review • In progress • In progress	
Motor Vehicle Manufacturing • Auto assembly • Powertrain	✓	Published	• Released 2006 • Updated 2010 • In progress	★
Petrochemical Manufacturing	✓	Published	• Draft under review	
Petroleum Industry	✓	Published	• Private system recognized by EPA	★
Pharmaceuticals	✓	Published	• Released 2010	★
Printing	✓	In progress	• Draft under review	
Pulp & Paper • Pulp mill • Integrated mill	✓	Published	• Released 2012 • Released 2012	★ ★
Steel • Mini mills • Integrated	✓	Published In progress	• Draft under review • Draft under review	
Water		Published	• Exploring options	
Wastewater			• Exploring options	



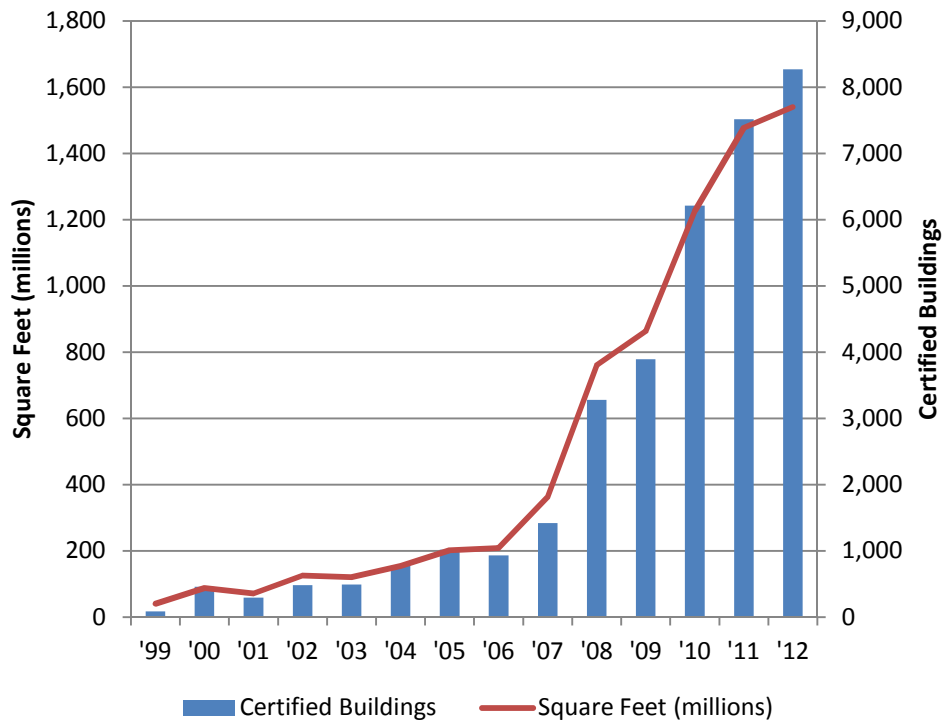
Earning ENERGY STAR Certification

⇒ Recognition for Top Energy Performers

Buildings earn the ENERGY STAR by achieving a score of 75 or higher on EPA’s energy performance scale and meeting relevant requirements for indoor air quality. These buildings typically use about 35 percent less energy than average buildings. Through December 2012, a cumulative total of:

- 20,407 buildings earned the ENERGY STAR, representing more than 3.1 billion square feet.
- 122 plants earned ENERGY STAR certification. This includes certification for 44 cement, 17 cookie and cracker baking, 5 container glass, 20 auto assembly, 9 petroleum refining, 8 pharmaceutical manufacturing, 12 frozen fried potato processing, and 7 wet corn milling plants.

Annual Number and Square Footage of ENERGY STAR Certified Commercial Buildings
(through December 31, 2012)



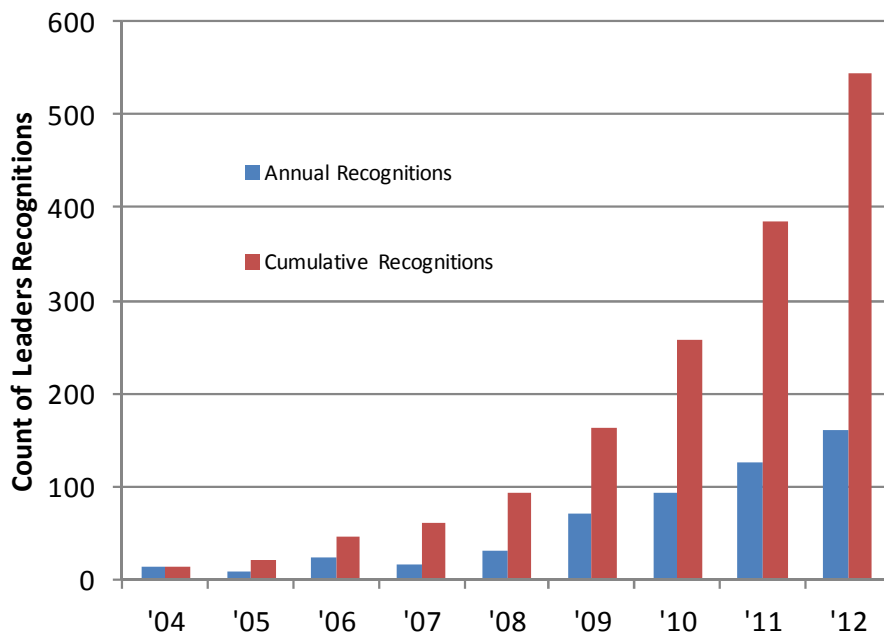


EPA Recognition for Organization-Wide Improvements

EPA recognizes organizations as ENERGY STAR Leaders when they achieve significant energy efficiency milestones across their entire portfolio of buildings. ENERGY STAR Leaders must meet one of two energy efficiency improvement milestones. The first milestone requires a 10 percent energy reduction across the organization's entire building portfolio, with recognition also given at each additional 10 percent increment. The second milestone, known as "top performer", requires the buildings in an organization's portfolio, on average, to perform in the top 25 percent of similar buildings nationwide, as demonstrated by an average ENERGY STAR score of 75 or higher.

Since 2004, 277 organizations have been recognized as ENERGY STAR Leaders for making portfolio-wide improvements, and in some cases, achieving top performance, across their portfolios.

Cumulative & Annual Number of ENERGY STAR Leaders since 2004
(through December 31, 2012)





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Where Can You Find Out More About ENERGY STAR?

Watch for coverage in your local and national press!

Information about the ENERGY STAR program and energy efficiency is available at:

www.energystar.gov.

If you would like to partner with EPA to improve your energy efficiency, visit:

www.energystar.gov/joinbuildings.

For more detailed information on benchmarking and certification activity, see the Snapshot Appendix. The Appendix includes information about buildings that can receive the ENERGY STAR 1-100 energy performance score, as well as ENERGY STAR certified buildings and plants, at the state and city levels.

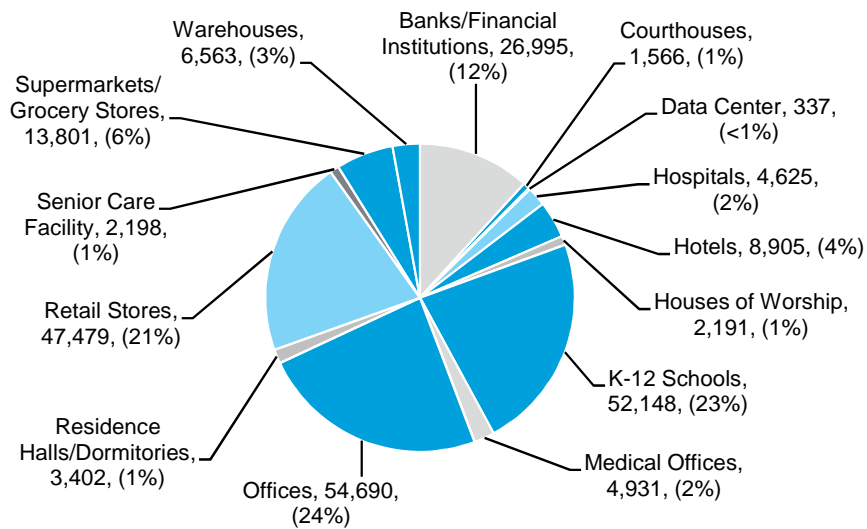


Appendix

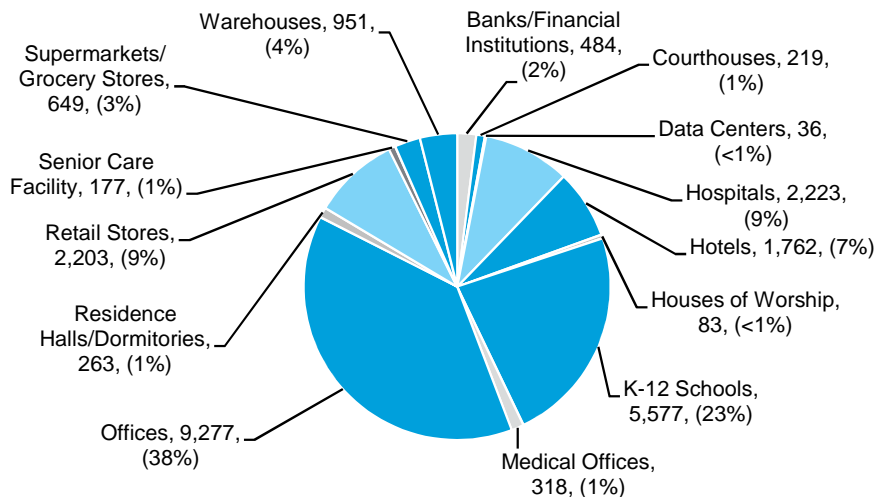
Spring 2013

I. ENERGY STAR Energy Performance Statistics through December 31, 2012

Cumulative Number of Buildings to Earn a 1-100 ENERGY STAR Energy Performance Score
229,840



Cumulative Floor Space of Buildings to Earn a 1-100 ENERGY STAR Energy Performance Score
24,232 millions of square feet



**Cumulative Number and Floor Space of Buildings with a Score,
by EPA Region and U.S. State***

	Cumulative Number of Buildings with an ENERGY STAR Score	Cumulative Floor Space of Buildings with an ENERGY STAR Score (square feet)
	through 12/31/2012	through 12/31/2012
EPA Region 1		
Connecticut	2,862	261,841,585
Maine	1,047	61,540,120
Massachusetts	5,066	600,289,975
New Hampshire	1,405	85,763,416
Rhode Island	688	64,570,573
Vermont	545	33,913,437
Total - Region 1	11,613	1,107,919,106
EPA Region 2		
New Jersey	6,490	572,528,449
New York	15,904	2,551,036,263
Puerto Rico	366	22,493,934
Virgin Islands of the U.S.	31	3,842,602
Total - Region 2	22,791	3,149,901,248
EPA Region 3		
Delaware	794	62,604,600
District of Columbia (D.C.)	1,701	414,244,517
Maryland	4,213	559,289,600
Pennsylvania	10,249	981,401,244
Virginia	6,855	727,624,495
West Virginia	922	58,779,029
Total - Region 3	24,734	2,803,943,486
EPA Region 4		
Alabama	2,531	193,405,899
Florida	10,915	934,034,434
Georgia	5,555	571,458,426
Kentucky	3,284	231,878,546
Mississippi	1,014	82,679,265
North Carolina	6,319	491,916,126
South Carolina	2,708	157,830,146
Tennessee	3,459	319,659,720
Total - Region 4	35,785	2,982,862,561
EPA Region 5		
Illinois	9,401	1,327,449,932
Indiana	4,094	369,794,986
Michigan	6,610	620,041,736
Minnesota	5,730	633,672,820
Ohio	9,229	921,936,994
Wisconsin	5,243	518,408,870
Total - Region 5	40,307	4,391,305,338
EPA Region 6		
Arkansas	1,593	99,231,528
Louisiana	1,832	157,055,227

	Cumulative Number of Buildings with an ENERGY STAR Score	Cumulative Floor Space of Buildings with an ENERGY STAR Score (square feet)
	through 12/31/2012	through 12/31/2012
New Mexico	1,800	119,042,393
Oklahoma	1,645	129,797,974
Texas	17,038	1,788,695,091
Total - Region 6	23,908	2,293,822,213
EPA Region 7		
Iowa	2,350	171,404,069
Kansas	2,337	184,170,748
Missouri	3,378	335,253,517
Nebraska	1,595	123,551,958
Total - Region 7	9,660	814,380,292
EPA Region 8		
Colorado	4,798	422,093,514
Montana	780	99,549,319
North Dakota	371	19,819,594
South Dakota	448	26,249,308
Utah	2,008	157,158,027
Wyoming	358	20,024,117
Total - Region 8	8,763	744,893,878
EPA Region 9		
Arizona	3,404	311,808,959
California	25,651	2,762,784,792
Guam	16	1,682,238
Hawaii	838	120,950,742
Navajo Nation	3	166,261
Nevada	2,269	207,518,997
Northern Mariana (Historical)	2	1,941,491
Northern Mariana Islands	3	134,188
Pacific Islands	9	653,200
Trust Territories	6	573,815
U.S. Minor Outlying Islands	6	435,421
Wake Island	8	435,549
American Samoa	0	15,000
Total - Region 9	32,215	3,409,100,653
EPA Region 10		
Alaska	628	38,822,211
Idaho	987	49,404,453
Oregon	3,686	286,052,729
Washington	6,681	612,064,432
Total - Region 10	11,982	986,343,826
Total – EPA Region 0	7,929	1,520,250,600
Total - All EPA Regions	229,688	24,204,723,202

* In 2012, EPA revised the process for tabulating total buildings benchmarked in Portfolio Manager, to refine the estimates. EPA also conducted a one-time update to remove inactive accounts and buildings from Portfolio Manager. The figures in this document reflect this revised process.

Cumulative Number and Floor Space of Buildings with a Score, by Designated Market Area (Local Rating Activity)*

Designated Market Area (By Rank)**		Year to Date 2012		Cumulative through December 31, 2012	
Rank	DMA	Number of Buildings	Floor Space	Number of Buildings	Floor Space
1	New York	9,731	1,372,038,417	15,531	2,481,642,056
2	Los Angeles	5,360	559,802,845	9,196	1,074,766,505
3	Chicago	4,489	622,546,677	7,542	1,199,804,322
4	Philadelphia	3,867	358,652,868	6,593	681,424,908
5	Dallas-Ft. Worth	2,488	298,601,523	5,048	577,866,299
6	San Francisco-Oakland-San Jose	4,797	586,387,657	7,356	1,012,746,968
7	Boston (Manchester)	2,493	254,998,815	5,128	580,376,736
8	Atlanta	2,222	275,756,321	3,984	471,404,741
9	Washington, DC (Hagerstown)	4,017	585,403,628	6,512	1,044,663,488
10	Houston	2,172	276,459,614	4,190	535,171,617
11	Detroit	1,456	148,626,921	3,156	348,166,785
12	Phoenix (Prescott)	1,455	132,179,698	2,589	247,988,441
13	Tampa-St. Petersburg (Sarasota)	1,499	120,864,013	2,639	211,451,069
14	Seattle-Tacoma	3,128	285,996,991	5,167	516,928,086
15	Minneapolis-St. Paul	2,701	323,292,258	4,624	558,165,384
16	Miami-Ft. Lauderdale	980	85,145,278	1,938	214,364,305
17	Cleveland-Akron (Canton)	1,527	140,676,638	2,492	262,660,035
18	Denver	1,968	191,503,511	3,845	360,369,444
19	Orlando-Daytona Beach-Melbourne	1,506	139,022,571	2,634	256,041,093
20	Sacramento-Stockton-Modesto	1,390	105,094,751	2,674	213,933,806
21	St. Louis	770	88,489,912	1,695	192,403,255
22	Pittsburgh	1,168	100,616,689	1,997	198,521,416
23	Portland, OR	1,777	147,296,052	3,330	270,552,161
24	Baltimore	1,266	132,802,944	2,290	349,529,155
25	Charlotte	1,402	134,729,835	2,160	195,529,898
	Other Localities				
	Albuquerque	458	42,512,146	685	62,393,223
	Kansas City	750	86,838,274	1,753	189,108,515
	Louisville	431	40,678,981	632	64,630,879

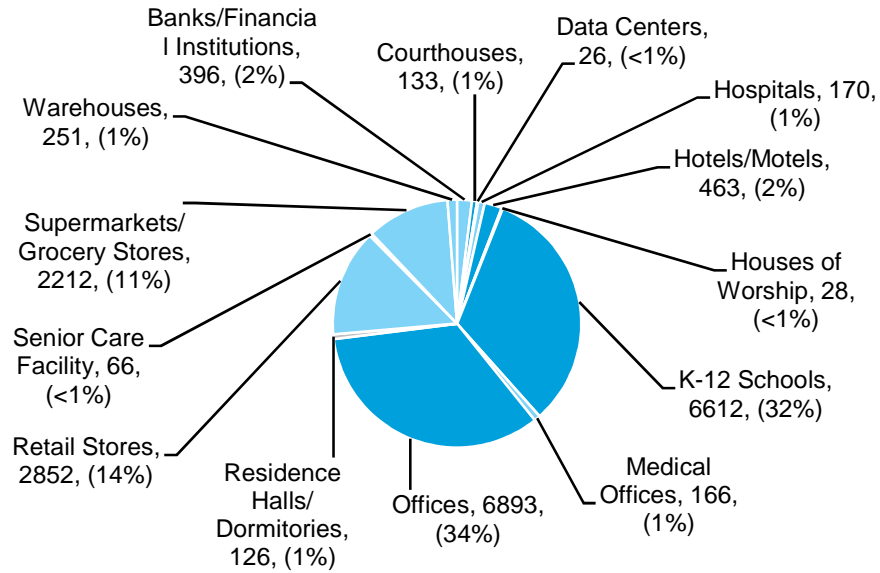
*In 2012, EPA revised the process for tabulating total buildings benchmarked in Portfolio Manager in order to better reflect the count of actual (as opposed to test or sample) buildings in the system. Furthermore, EPA conducted a one-time update to remove inactive accounts and buildings from Portfolio Manager. The result is a more conservative but more valid representation of buildings benchmarking in Portfolio Manager.

** Reflects 2007-2008 DMA rankings.

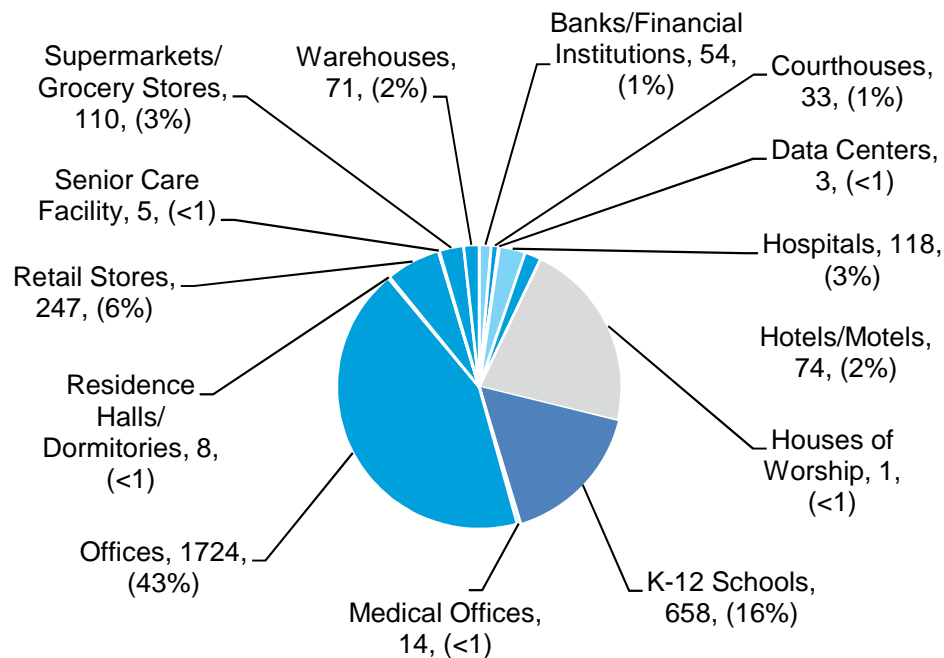
II. Building Certification Statistics

A. ENERGY STAR Certified Buildings through December 31, 2012

Cumulative Number of Certified Buildings: 20,407



Cumulative Floor Space of Certified Buildings: 3,123 million square feet

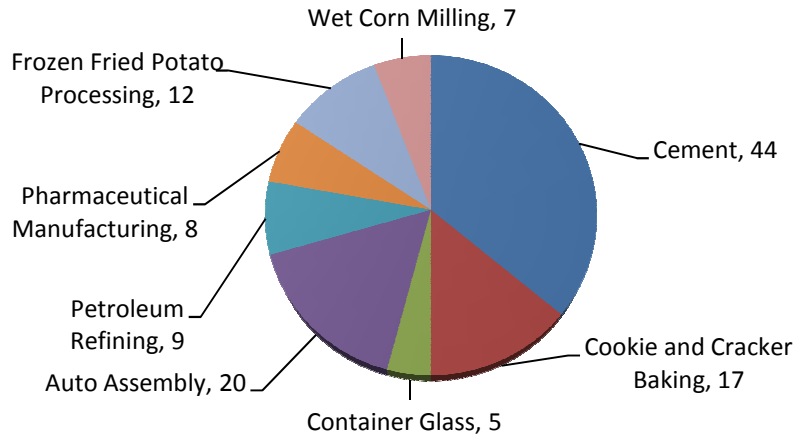


Cumulative Number and Floor Space of ENERGY STAR Certified Buildings, by EPA Region/State

	Cumulative Number of Certified Buildings			Cumulative Floor Space of Certified Buildings (square feet)		
	through 12/31/2011	through 12/31/2012	Percent Increase	through 12/31/2011	through 12/31/2012	Percent Increase
EPA Region 1						
Connecticut	144	177	23%	26,787,832	31,174,796	16%
Maine	46	60	30%	4,052,943	4,936,187	22%
Massachusetts	402	491	22%	79,174,950	89,423,363	13%
New Hampshire	104	133	28%	9,527,924	12,329,988	29%
Rhode Island	51	73	43%	4,595,773	6,883,702	50%
Vermont	28	34	21%	1,549,982	1,712,558	10%
Total - Region 1	775	968	25%	125,689,404	146,460,594	17%
EPA Region 2						
New Jersey	258	352	36%	43,371,020	54,376,261	25%
New York	677	879	30%	190,889,125	229,652,474	20%
Puerto Rico	10	14	40%	294,900	911,739	209%
Virgin Islands	0	1	N/A	0	76,227	N/A
Total - Region 2	945	1,246	32%	234,555,045	285,016,701	22%
EPA Region 3						
Delaware	61	72	18%	6,568,854	7,359,688	12%
District of Columbia (D.C.)	211	270	28%	74,790,869	92,536,509	24%
Maryland	284	344	21%	35,749,745	42,794,910	20%
Pennsylvania	525	696	33%	83,890,527	104,160,193	24%
Virginia	775	956	23%	91,974,477	112,692,407	23%
West Virginia	69	73	6%	5,411,307	5,461,506	1%
Total - Region 3	1,925	2,411	25%	298,384,779	365,005,213	22%
EPA Region 4						
Alabama	58	125	116%	7,120,251	14,018,904	97%
Florida	669	794	19%	97,667,243	114,229,377	17%
Georgia	568	673	18%	114,887,556	131,237,110	14%
Kentucky	209	342	64%	19,580,012	28,326,605	45%
Mississippi	16	29	81%	1,711,739	3,025,078	77%
North Carolina	917	1,092	19%	74,489,993	90,313,822	21%
South Carolina	162	239	48%	10,229,064	16,759,589	64%
Tennessee	143	197	38%	20,127,094	28,641,758	42%
Total - Region 4	2,742	3,491	27%	345,812,952	426,552,243	23%
EPA Region 5						
Illinois	592	719	21%	172,083,640	192,081,832	12%
Indiana	344	491	43%	45,083,189	62,431,994	38%
Michigan	565	714	26%	75,998,856	91,797,568	21%
Minnesota	439	524	19%	90,875,233	100,842,701	11%
Ohio	484	668	38%	76,810,192	98,371,711	28%
Wisconsin	497	551	11%	62,502,178	68,581,699	10%
Total - Region 5	2,921	3,667	26%	523,353,288	614,107,505	17%

	Cumulative Number of Certified Buildings			Cumulative Floor Space of Certified Buildings (square feet)		
	through 12/31/2011	through 12/31/2012	Percent Increase	through 12/31/2011	through 12/31/2012	Percent Increase
EPA Region 6						
Arkansas	28	43	54%	3,735,301	5,410,483	45%
Louisiana	49	53	8%	16,612,605	17,381,467	5%
New Mexico	72	164	128%	9,533,472	19,975,367	110%
Oklahoma	70	82	17%	6,916,437	8,086,580	17%
Texas	1,177	1,378	17%	261,185,889	295,302,837	13%
Total - Region 6	1,396	1,720	23%	297,983,704	346,156,734	16%
EPA Region 7						
Iowa	148	183	24%	15,853,799	20,799,578	31%
Kansas	123	171	39%	12,945,036	17,871,460	38%
Missouri	147	200	36%	24,219,019	40,019,361	65%
Nebraska	70	89	27%	9,030,506	11,779,794	30%
Total - Region 7	488	643	32%	62,048,360	90,470,193	46%
67						
EPA Region 8						
Colorado	610	695	14%	84,266,999	92,972,461	10%
Montana	63	67	6%	4,813,048	4,903,883	2%
North Dakota	26	28	8%	1,966,558	2,290,474	16%
South Dakota	30	63	110%	2,292,578	5,492,614	140%
Utah	198	225	14%	20,535,288	23,262,585	13%
Wyoming	14	16	14%	1,216,676	1,363,527	12%
Total - Region 8	941	1,094	16%	115,091,147	130,285,544	13%
EPA Region 9						
Arizona	286	442	55%	38,203,637	56,420,193	48%
California	3,184	3,663	15%	461,037,744	505,394,662	10%
Hawaii	53	68	28%	15,356,901	17,676,471	15%
Nevada	63	74	17%	7,716,933	8,661,391	12%
Guam	1	2	100%	96,752	166,818	72%
Trust Territories	0	1	N/A	0	129,819	N/A
Total - Region 9	3,588	4,250	18%	522,764,014	588,450,074	13%
EPA Region 10						
Alaska	30	33	10%	2,826,059	3,061,385	8%
Idaho	92	109	18%	8,518,142	10,068,315	18%
Oregon	233	276	18%	34,468,156	38,976,333	13%
Washington	407	499	23%	69,213,268	78,662,366	14%
Total - Region 10	762	917	20%	115,022,625	130,768,399	14%
Total - All Regions	16,484	20,407	24%	2,640,835,137	3,123,273,200	18%

III. ENERGY STAR Certified Plants through December 31, 2012



Cumulative Number of ENERGY STAR Certified Plants, by EPA Region and State

	through 12/31/11	through 12/31/12
EPA Region 1		
Massachusetts	2	2
Maine	1	1
Total - Region 1	3	3
EPA Region 2		
Puerto Rico	1	2
New Jersey	0	1
New York	1	1
Total - Region 2	2	4
EPA Region 3		
Delaware	1	1
Pennsylvania	2	2
Virginia	2	2
Total - Region 3	5	5
EPA Region 4		
Alabama	5	6
Florida	3	3
Georgia	4	4
Kentucky	5	5
Mississippi	1	1
North Carolina	2	2
South Carolina	1	1
Tennessee	5	5
Total - Region 4	26	27

	through 12/31/11	through 12/31/12
EPA Region 5		
Illinois	3	3
Indiana	5	7
Michigan	3	3
Minnesota	3	3
Ohio	6	6
Wisconsin	1	1
Total - Region 5	21	23
EPA Region 6		
Louisiana	3	3
New Mexico	1	1
Texas	6	7
Oklahoma	2	3
Total - Region 6	12	14
EPA Region 7		
Nebraska	2	2
Iowa	4	4
Kansas	1	1
Missouri	6	6
Total - Region 7	13	13

	through 12/31/11	through 12/31/12
EPA Region 8		
Colorado	1	1
Montana	2	2
North Dakota	1	1
South Dakota	1	1
Utah	2	2
Total - Region 8	7	7
EPA Region 9		
Arizona	1	2
California	9	10
Total - Region 9	10	12
EPA Region 10		
Idaho	2	2
Washington	6	6
Oregon	3	3
Total - Region 10	11	11
Total - All Regions	110	119

*States not listed do not yet have any plants that have earned ENERGY STAR certification.