

Walmart Energy

Factsheet

Walmart's aspirational goal is to be supplied 100 percent by renewable energy. Two commitments were announced in 2013 to help chart our company's energy progress through 2020.

1. Scale renewables. Drive the production or procurement of 7 billion kWh of renewable energy globally by December 31, 2020 – an increase of over 600 percent versus 2010.
2. Accelerate efficiency. By December 31, 2020, reduce the kWh/sq. ft. energy intensity required to power our buildings around the world by 20 percent versus 2010.

In combination, we expect these commitments will help us avoid almost 9 million metric tons (MMT) of GHG emissions, the equivalent of taking nearly 1.5 million cars off the road. We expect our absolute GHG emissions to hold flat over this decade, despite plans to grow our sales and stores considerably over the same time period.

Today's New Commitments

Renewable energy: Walmart is committing to **double**, by the end of 2020, **the number of onsite solar energy projects** at U.S. stores, Sam's Clubs, and Distribution Centers compared to the number installed at the end of 2013¹, bringing the company closer to its goal to drive the production or procurement of 7 billion kWh of renewable energy by the end of 2020.

Energy efficiency: Walmart formally signed on to the Department of Energy's Better Building's Initiative, confirming the commitment of its largest market, Walmart U.S., to reducing the energy intensity of Walmart U.S. buildings by 20 percent versus 2010 by 2020.

Solar Energy Progress in the U.S.

- **Since 2005, Walmart has been innovating in renewable energy and increasing energy efficiency in the U.S.**
 - With 240 installed solar projects through 2013, Walmart U.S. saved approximately \$4.8 million.
 - Named the largest on-site green power generator in the U.S. by the EPA Green Power Partnership for the second year in a row in 2014.
 - Recognized by the Solar Energy Industries Association (SEIA) as having the most installed on-site solar capacity in the U.S.

The Glendora Sam's Club is part of Walmart's commitment to accelerate and broaden its sustainability efforts through solar power.



- **Overview of Solar Energy Installations**

- In 2007, Walmart installed its first solar system on the rooftop of Sam's Club #6610 in Chino, Calif.
- Currently have solar in 12 states, plus Puerto Rico. Example states: HI, CO, AZ, LA, OH, CT, NY, MD, OR, MA.
- Walmart has installed carport solar canopy systems at its Casa Grande and Buckeye, Ariz., distribution centers and is testing solar canopies on parking lots at 10 stores in Arizona.

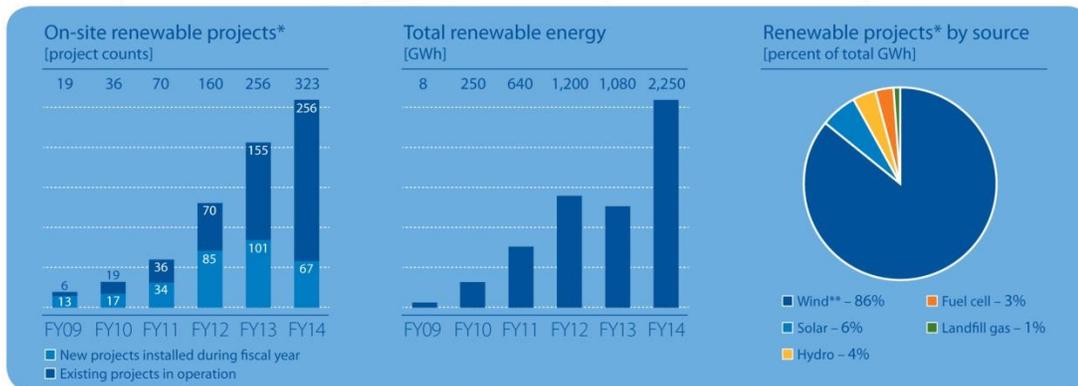
¹ This is equal to 480 projects by 2020

Overall Renewable Energy Progress

- Renewable energy offers an affordable and reliable solution to Walmart's growing energy needs, especially as the company addresses unique energy challenges around the globe.

Walmart-driven renewable energy projects around the world doubled in 2013, from 1.1 billion kilowatt hours to 2.2 billion kilowatt hours. That's enough to power 182,285 U.S. households.²

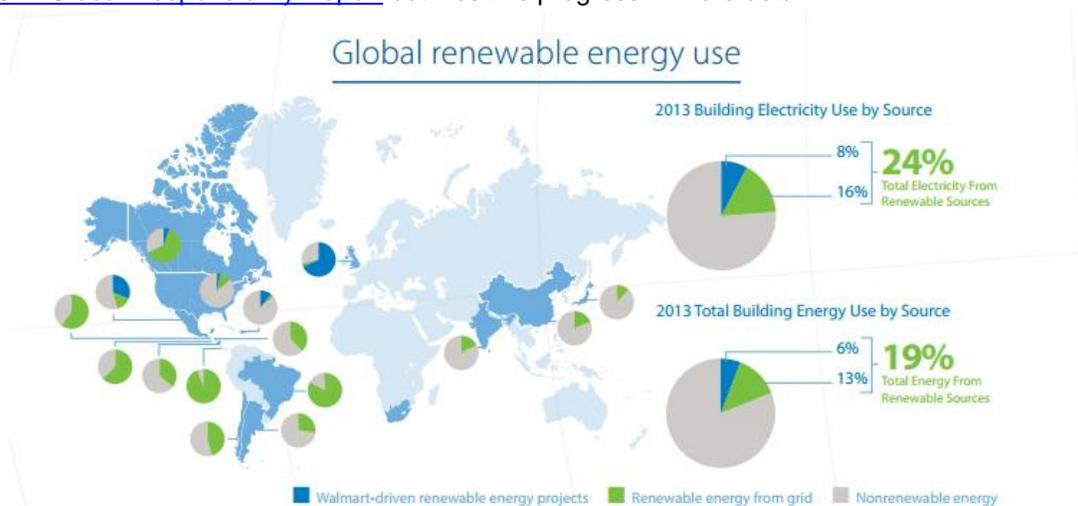
- These projects account for approximately 32 percent of our 2020 target.



* Walmart-driven project initiatives the company voluntarily engages directly as owner or through contractual arrangements. This does not include renewable energy from the local electricity grid.

** Includes large off-site wind projects, smaller on-site projects and green power purchases, most of which are from wind projects.

- At the end of 2013, Walmart had more than **335 renewable energy projects** in operation or under development across its global portfolio.
- Globally, 24 percent of our buildings' total electricity and 19 percent of our buildings' total energy use is supplied by renewable energy today.
- Our [2014 Global Responsibility Report](#) outlines this progress in more detail.



Energy Efficiency and Greenhouse Gas Reductions

- Toward the end of 2012, we announced that we met our 2005 commitment to reduce greenhouse gas (GHG) emissions associated with our existing stores, clubs and distribution centers **by 20 percent, one year ahead of our seven-year target.**

² According to the average annual use from the EPA Calculator

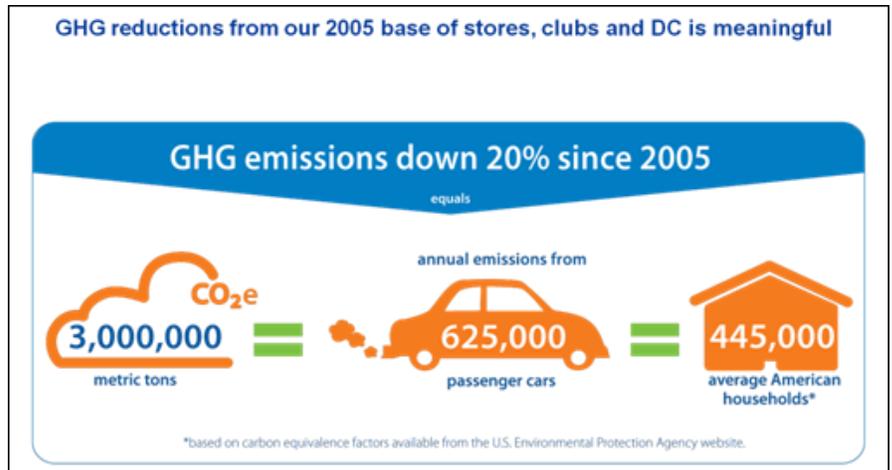
- The majority of these reductions were driven by energy efficiency — and we decided to take our efficiencies to the next level with our goal to reduce the kWh/sq. ft. energy intensity required to power our buildings around the world by 20 percent versus 2010.

- As of the end of 2013, we were already well on our way toward this new goal by **operating with 7 percent less energy per-square-foot than we were in 2010.**

- Example measures to reduce energy per-square-foot included installing sales floor LED lighting, daylight harvesting, high-efficiency (HE) refrigeration units, HE heating, ventilation and air conditioning units, doors on refrigerated cases, parking lot LEDs, energy

management systems, LEDs in refrigerated cases, and retro-commissioning of buildings.

- We've shown that we can **grow our business while slowing environmental impact**, by substantially de-linking business growth from GHG emissions.
- In fact, we limited our emissions growth to only one-quarter (12 percent) of our business growth (in terms of sales — 51 percent) and square footage (45 percent) over the same time period from 2005–2013.



Accelerating Progress toward Our Renewable Energy Goals

- We seek to meet or beat non-renewable prices over the term of our renewable energy agreements, and so far we've been successful accomplishing this across our fleet of projects.
- We want to do more than just shift around ownership (and marketing rights) of existing renewable energy.
 - Under normal circumstances, we prefer not to simply offset our non-renewable power by purchasing standalone renewable energy credits (RECs) or other certificates.
 - While REC purchasing may allow us to more quickly say we are supplied by 100 percent renewable energy, it provides less certainty about the change we're making in the world.

For more information, please see ["Walmart's Approach to Renewable Energy"](#) a recently published white paper on the subject.

