

HCA

ESTIMATED CUMULATIVE RESULTS (2012-2013)

HCA is a leading provider of health care services, with hospitals and freestanding surgery centers in 20 U.S. states and England.

\$1.1M

IN AVOIDED ENERGY COSTS

10,900

METRIC TONS OF GHG EMISSIONS AVOIDED

1%

GHG EFFICIENCY IMPROVEMENT

Key Environmental Performance Area: GREENHOUSE GAS EMISSIONS (FACILITIES)

RESULTS

In 2013, HCA continued actively measuring and managing energy consumption in its hospitals and established a 2012 performance baseline as part of the Green Portfolio Program. In absolute terms, GHG emissions from purchased electricity at hospital facilities have remained relatively flat compared to a 2012 baseline, while efficiency has improved by approximately 1% (GHGs/square foot) over the same time period. The improvements in efficiency have helped HCA to avoid approximately \$1.1 million in costs and 10,900 metric tons of GHG emissions since 2012.

HCA: Hospital Facility GHG Efficiency (2012 Baseline)¹

Estimated Results	2013	Total
Avoided GHGs (metric tons)	10,900	10,900
Avoided costs	\$1,115,000	\$1,115,000
Change in productivity (GHGs/sq foot)	-1%	-1%
Change in absolute GHGs	0%	0%

Notes:

- See [methodology section](#) for description of avoided and efficiency calculations.
- The total % change is aggregate change between the baseline year and the most recent year of data. All other % changes are expressed as year-over-year.
- Reported numbers are rounded and may not produce the same results when used to analyze percent changes or total impact.

ACTIONS

In 2013, HCA achieved these results by implementing the following practices:

- Implemented a pilot project to remotely monitor eight hospital building systems in an effort to identify and implement energy conservation opportunities
- Completed the development of an online dashboard allowing each hospital to quickly view their energy performance
- Fully activated an Energy Service Center to monitor energy data and to assist in the development of an energy conservation strategy for each facility

FUTURE PLANS

Through 2014 and for 2015, HCA is continuing its focus on energy efficiency at its facilities and is considering or actively implementing additional improvements, including:

- Conducting a pilot project to reduce net GHG emission by processing Regulated Medical Waste (RMW) on site versus shipping to off-site processing facilities. The effort is anticipated to reduce GHG emissions associated with RMS transportation and improve overall effectiveness of waste management
- Updating the Building Automation System at more than 60 locations, which will allow improved monitoring and system performance of energy-consuming building service equipment
- Continuing to participate with EDF's Climate Corps Fellowship program working on the evaluation of emerging technologies/solutions to improve energy efficiency and reduce GHG emissions
- Piloting participation with the American Society of Healthcare Engineers (ASHE) Energy2Care initiative to reduce energy consumption in healthcare

HCA enrolled in the Green Portfolio Program in 2009 and is reporting for the third time.

HCA has an active Sustainability Steering Committee that established HCA's guiding Environmental Principles and Sustainability Strategy and is continuing to pursue opportunities in additional KEPAs, including waste reduction and water use. For more information on HCA's efforts, visit its sustainability website.

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¹ In 2011 and 2012, HCA implemented a new energy management system to collect and track energy use data from 2011 onward. Because of this system and limitations in gathering comparable historic data, HCA's new Green Portfolio Program baseline year is 2012 and HCA is reporting results for the first time since 2010.