

City of Harlingen

Periodic Savings Report

Prepared By Performance Assurance Support Services

November 29, 2011

Periodic Project Overview

Enclosed is the savings report for the energy performance project at the City of Harlingen. As noted in the following pages, the total project utility savings through August 2011 is \$1,090,859.

The energy efficiency capital improvements implemented by Schneider Electric and the City of Harlingen's ongoing attention to conservation are responsible for unit savings of 4,042,574 kWh and 11,079 kW. This lower utility usage has decreased the city's environmental impact as carbon emissions have been cut by approximately 2,668 tons. According to EPA figures, this reduction is equivalent to removing 606 cars from the road for one year or planting 825 acres of trees.

The Guarantee Line on the Cumulative Savings Performance graph on page 4 of this report has been revised to reflect the changes in the guarantee due to the completion of the Solar PV project at the Lon C. Hill facility. Because the warranty period began June 17, 2011, the guarantee associated with the solar project has been prorated and added to the guarantee for the months of July 2011 through February 2012. The total guarantee associated with the solar project for these eight months is \$4,683.33.

Schneider Electric would like to thank the city and its maintenance staff for their diligent operation of the Building Automation System (BAS). Reconciled Savings have exceeded expectations because of the attention to scheduling and operations. Continuing to operate the BAS in this manner will ensure the city continues to meet and exceed their savings potential. Also contributing to the city's overall savings is the newly installed solar project which is meeting production goals.

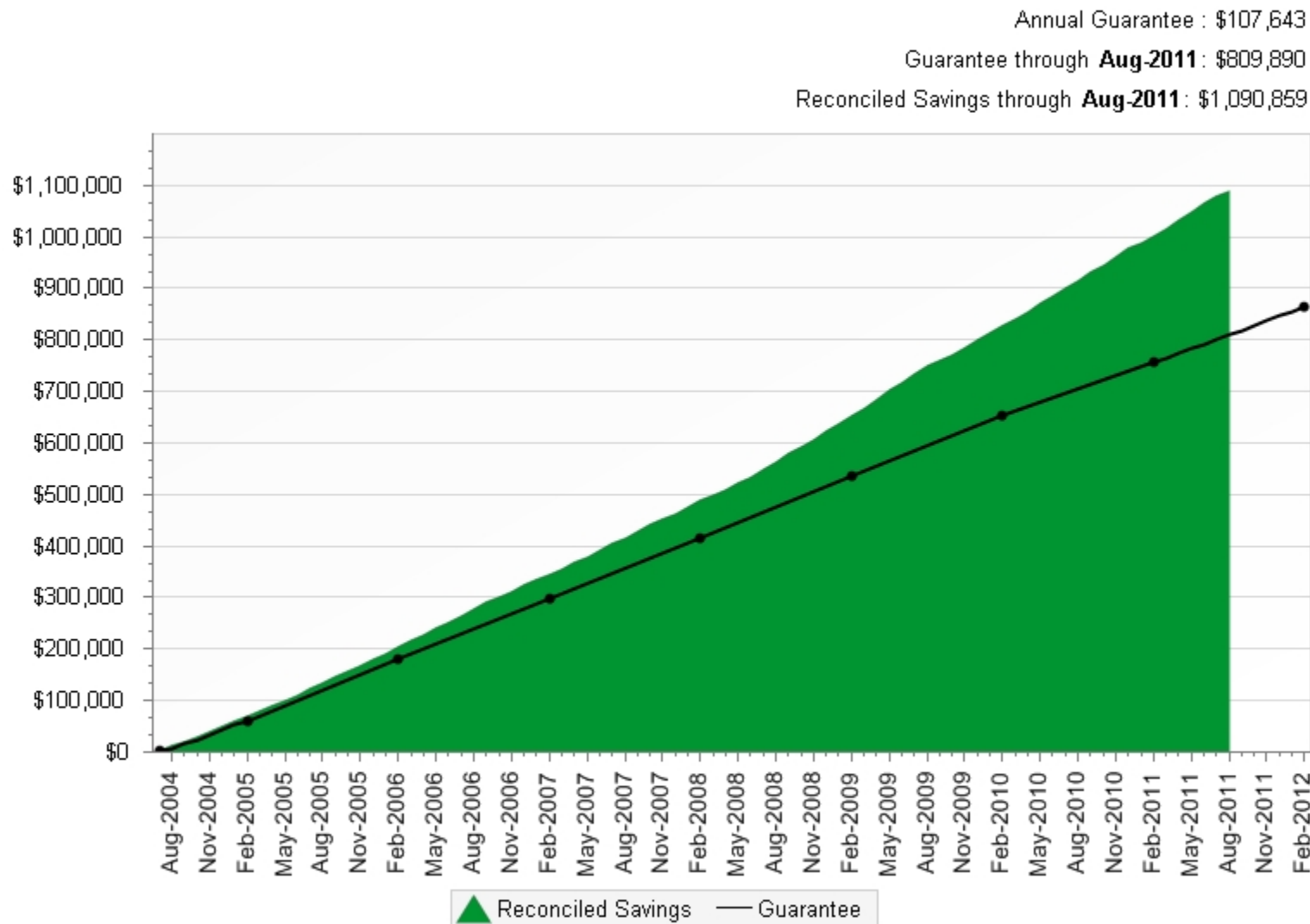
Recent Success Stories

- Solar panel production is meeting expectations
- Continued attention to BAS operations will help the city maintain high levels of energy savings

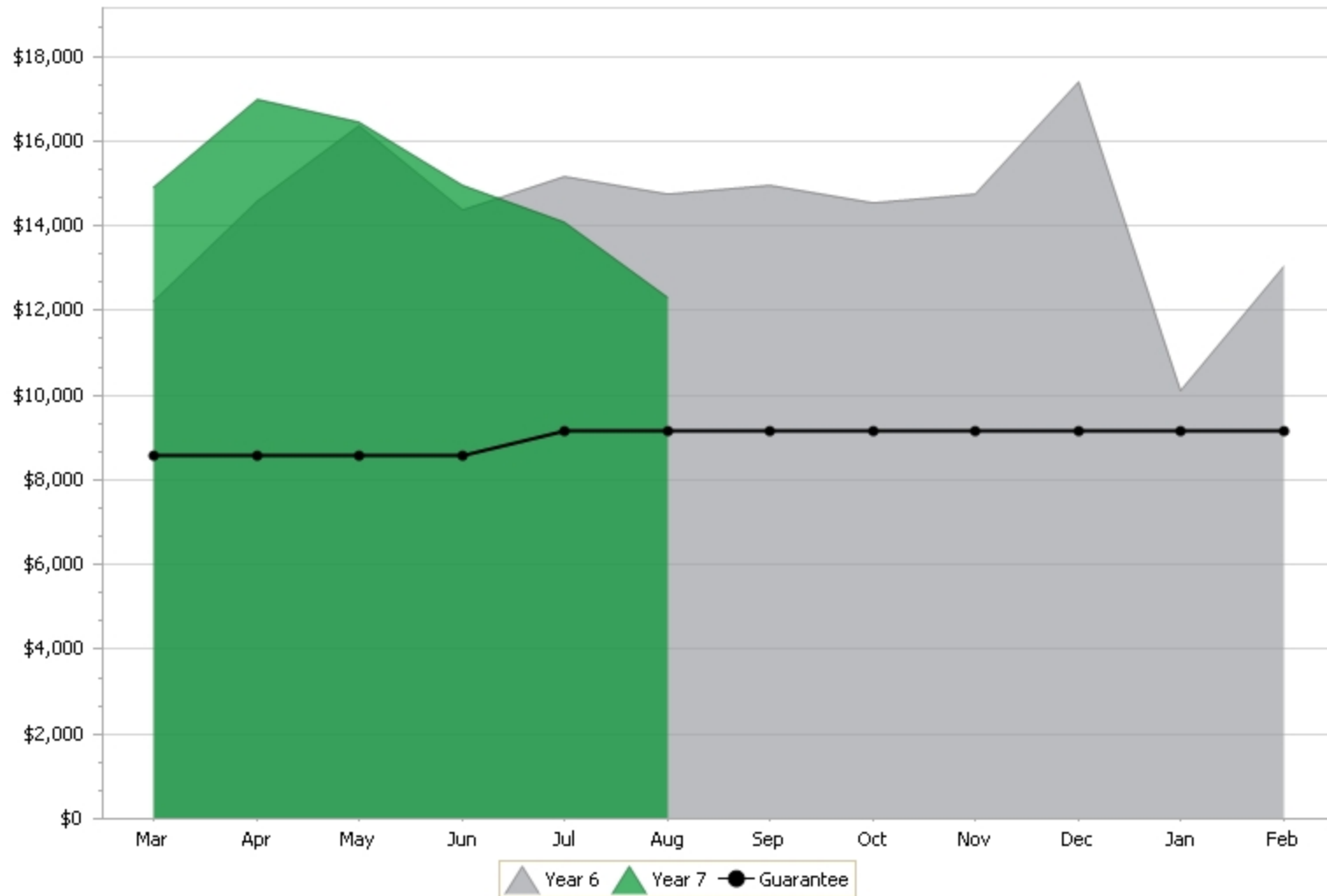
Cumulative Savings Performance

This graph represents total savings to date relative to total guarantee to date. Savings are reconciled on an annual basis indicated by the larger dots on the guarantee line. Reconciliation is based on cumulative savings relative to cumulative guarantee. The savings shown in this graph are based on rates as defined in the M&V plan.

Actual Savings vs. Guarantee



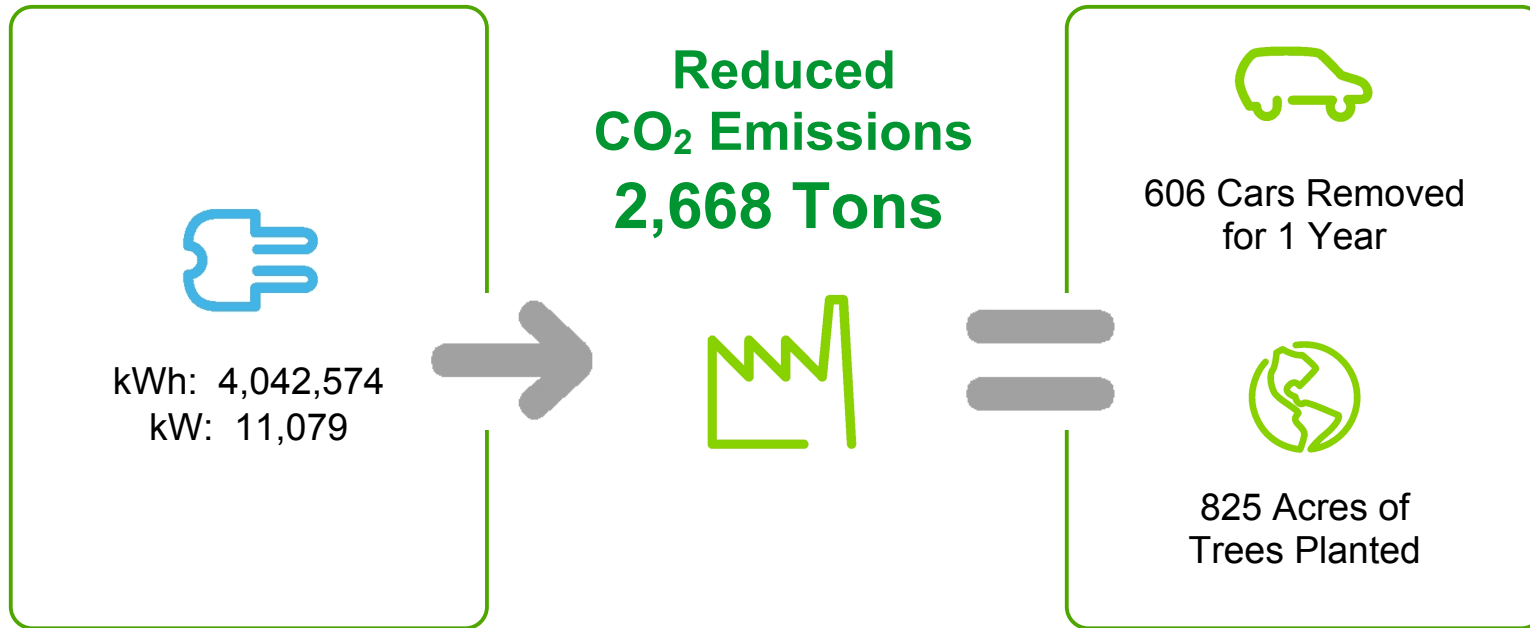
Annual Savings Performance



The graph above illustrates the month to month cost savings from previous project year to current project year for the entire project. The savings are based on rates as defined in the M&V plan. The black line represents the fixed guarantee while the solid areas are the monthly cost savings. The goal is for the monthly savings to exceed the monthly guarantee and to sustain or improve on the year to year performance.

Environmental Impact

In just seven years and two months, the City of Harlingen project has saved...



Tons of CO₂ are the equivalent emissions based on the reduction in consumption. Cars for a year is the equivalent number of cars removed from the road based on the reduction in consumption. Acres of trees is the equivalent quantity of trees required to absorb the CO₂ that would have been emitted during the production of the energy that was saved.

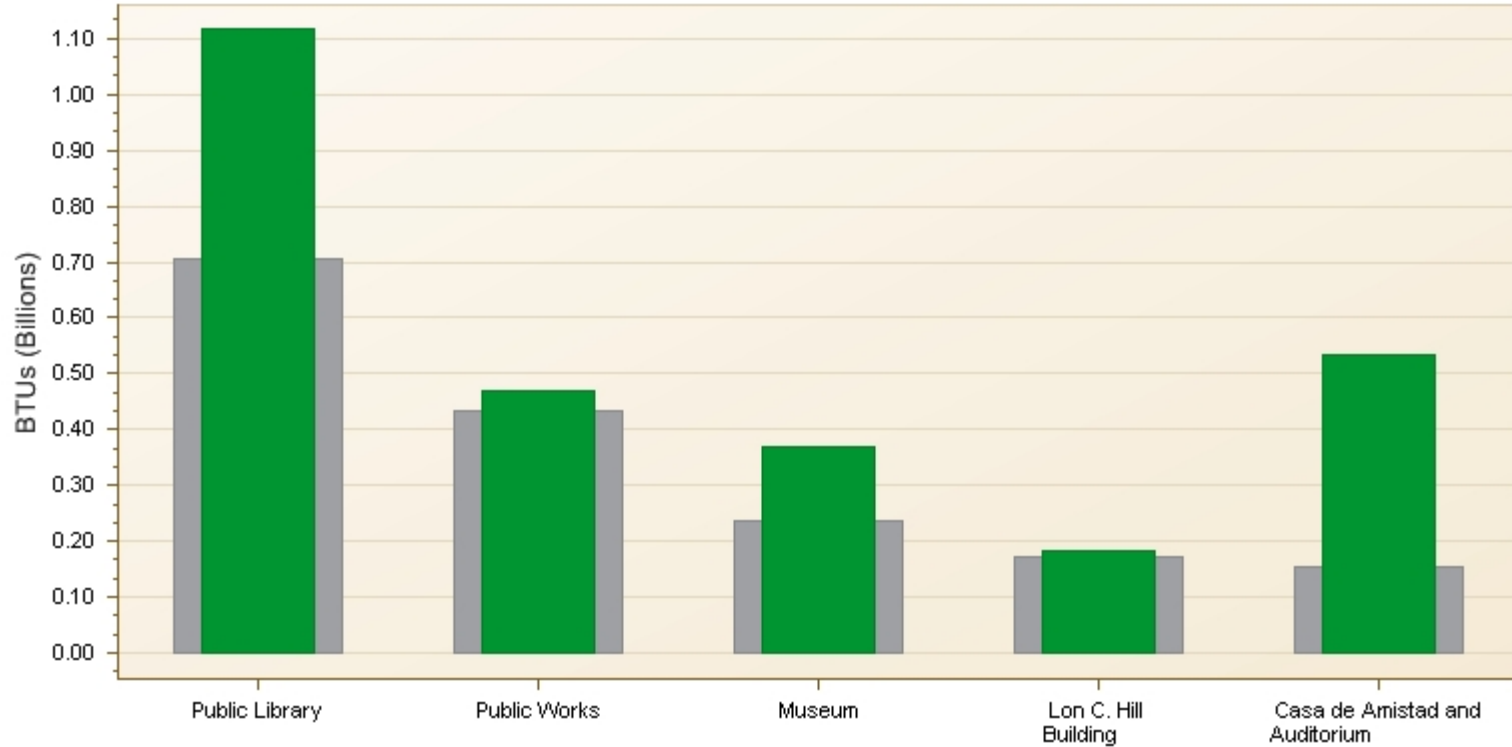
Commercial buildings in the United States used an estimated 18 Quadrillion BTU's in 2008. That's equivalent to 5,983 Million tons of CO₂ emissions.





*Based on data from the US Energy Information Administration at <http://www.eia.doe.gov>. All data is based on industry averages.

*The numbers above reflect all applicable adjustments.

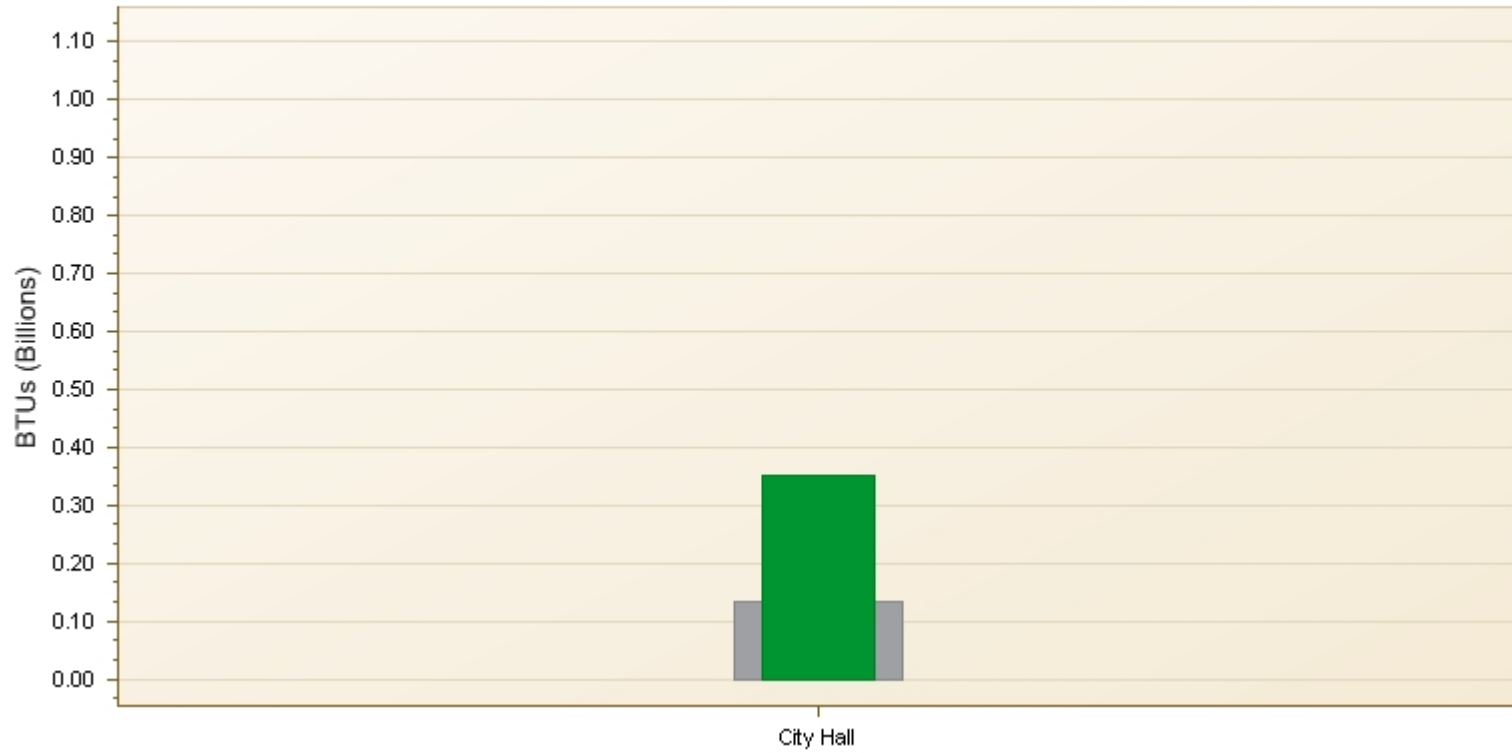
In the last 12 months, you have saved ...





Projected Savings vs. Actual Savings (BTUs)



	Public Library	Public Works	Museum	Lon C. Hill Building	Casa de Amistad and Auditorium
 BTUs (billions)	1.12	0.47	0.37	0.18	0.53
 Tons of CO2	216	90	72	35	103
 Cars for a Year	49	21	16	8.03	23
 Acres of Trees	67	28	22	11	32

Projected Savings vs. Actual Savings (BTUs)



City Hall	
	BTUs (billions) 0.35
	Tons of CO2 68
	Cars for a Year 15
	Acres of Trees 21

Trust in Performance Assurance Support Services

- > Verifiable and measurable savings performance
- > Client focused support to ensure sustained performance and comfort
- > Partnership to achieve Energy Management goals
- > Proactive system review to optimize operations and maintenance
- > Consistent communication and visibility to empower maximum performance

Please contact one of the following Schneider Electric representatives with any questions or comments:

Performance Manager

The Performance Manager is your energy management partner to ensure the projects success and to assist you with achieving your energy savings and performance objectives. They consistently evaluate the projects performance and communicate opportunities for improvement. This is your contact for questions or concerns related to the project's performance or if you are interested in additional services

Tony Leija

Phone: +1 972 323 5379 | **Mobile:** +1 214 507 4527 | **Fax:** +1 972 323 5412

Email: Tony.Leija@schneider-electric.com

Project Support

In order to achieve sustained performance, it is critical that you and your staff have a path for quick resolution of issues and support. PASS has designated personnel experienced in highly responsive support of the operations and maintenance of the building automation systems. For critical after-hours issues, please leave a message and your phone call will be returned in less than 4 hours.

Phone: +1 800 274 5551 x4 | **Hours:** Monday - Friday, 7 am - 6 pm Central

Our Vision:
"A world where we can all achieve more
while using less of our common planet"

