



ABM Building Solutions

Williamsburg Local Schools

HB264 Reconciliation Report - 2013

Presented to:

Williamsburg Local Schools

Julie Kamphaus
Treasurer

Presented by:

ABM Building Solutions

Greg Hahn
General Manager

November 8, 2013

11/08/2013

Ms. Julie Kamphaus
Treasurer
Williamsburg Local School District
549A West Main St.
Williamsburg, OH 45176

Dear Ms. Kamphaus,

Enclosed in this report please find the HB 264 Reconciliation of Savings calculations for your HB 264 project completed in 2012. Substantial completion for the project was determined to be in August 2012, so the first year of the measurement and verification for your project was September 2012 through August 2013.

Per Ohio OSFC guidelines, ABM has followed the International Measurement and Verification Protocol (IPMVP) to compare the baseline energy consumed versus the energy reductions from your HB 264 project. We are extremely happy to report that your project not only met the projected savings, but substantially exceeded savings expectations, providing an additional \$19,057 savings this past year.

We would like to thank and congratulate the Williamsburg Local School district on a successful HB 264 project. We encourage you to share these results with your Board of Education and with everyone else (staff, students, administrators, parents) associated with Williamsburg to show them that you are providing a better and more comfortable learning environment for less money. You should be proud of your results!

Sincerely,

A handwritten signature in blue ink, appearing to read "G. Hahn".

Greg Hahn
General Manager
ABM Building Solutions

EXECUTIVE SUMMARY

The following tables summarize the savings for the first M&V period, September 2012 – August 2013. Consumption of electricity was reduced by 426,909 kWh, which is actually 73,952 more kWh saved than the initial projections. While there were no anticipated gas savings, the controls retro-commissioning did reduce gas usage by 10,784 CCF. Over-all, in terms of dollars saved, the project saved \$55,906, which is \$19,058 more than the anticipated \$36,848 – an additional 52% more savings than projected! It should also be pointed out that the project cash-flow had stipulated savings of \$10,430 per year in O&M savings, which further enhances the total savings from the project.

Executive Summary			
--------------------------	--	--	--

Consumption By Utility			
Utility	Projected Savings	Actual Savings	Additional Savings
Electric (kWh)	352957	426909	73952
Gas (CCF)	0	10784	10784

Cost Analysis			
Utility	Projected Savings	Actual Savings	Additional Savings
Electric (kWh)	\$36,848.45	\$41,723.21	\$4,874.76
Gas (CCF)	\$0.00	\$14,183.13	\$14,183.13
Total	\$36,848.45	\$55,906.34	\$19,057.89

On the following pages are the month-to-month comparisons of the original baseline of energy consumed versus energy consumed after the energy retrofits were completed.



Month -2012/2013	kWh	Cost	Cost/kWh
September	100889	\$9,797.58	0.097
October	85727	\$8,429.70	0.098
November	84203	\$8,302.36	0.099
December	78698	\$8,126.28	0.103
January	77984	\$7,995.36	0.103
February	75396	\$7,916.17	0.105
March	72875	\$7,839.05	0.108
April	58946	\$7,466.62	0.127
May	82813	\$8,796.00	0.106
June	71011	\$7,958.07	0.112
July	65562	\$8,190.62	0.125
August	78391	\$9,396.98	0.120
	932495	\$100,214.79	0.107

\$141,938.00 Baseline Electrical Spend
1359404 Baseline kWh/Year
0.314 %Electrical Savings
426909 kWh Savings
\$41,723.21 \$ Savings

Total Savings Gas/Electric
Baseline Savings
Additional Savings Above Projected

\$55,906.34
\$36,848.45
\$19,057.89

CCF	Cost	Cost/CCF
433	\$464.23	0.933
1285	\$957.11	1.343
2321	\$1,599.51	1.451
2931	\$1,916.91	1.529
5228	\$3,335.72	1.567
4969	\$3,135.91	1.585
4284	\$2,676.15	1.601
1899	\$1,262.78	1.504
588	\$592.59	0.992
315	\$442.76	0.711
202	\$377.34	0.535
258	\$405.86	0.636
24713	\$17,166.87	1.440

\$31,350.00 Baseline Gas Spend
35497 Baseline CCF/Year
0.304 %Gas Savings
10784 CCF Savings
\$14,183.13 \$ Savings

