

Attachment A

Excerpts from GESPC Verification Reports

Honeywell

Americas M&V Services Team

**Milwaukee County
Energy Cost Avoidance Review
(Phase I)**

Energy Audit Year 3 of 10

November 2010 through October 2011

Prepared 1/21/2012



Helping customers manage energy resources to improve financial performance

Cost Avoidance Summary

Year 3 Results (Phase I)

Utility Savings	\$ 215,364
<hr/>	
Total Cost Avoidance	\$ 215,364
Annual Energy Guarantee	\$ 189,417
Excess Savings/(Shortfall)	\$ 25,947
Percent of Plan	114%

Cumulative Results

TIME PERIOD		TOTAL COST AVOIDANCE	ANNUAL ENERGY GUARANTEE	EXCESS SAVINGS/(SHORTFALL)
Year 1	11/08 - 10/09	\$ 199,741	\$ 175,127	\$ 24,614
Year 2	11/09 - 10/10	\$ 207,803	\$ 182,132	\$ 25,671
Year 3	11/10 - 10/11	\$ 215,364	\$ 189,417	\$ 25,947
Year 4	11/11 - 10/12		\$ 196,994	
Year 5	11/12 - 10/13		\$ 204,874	
Year 6	11/13 - 10/14		\$ 213,069	
Year 7	11/14 - 10/15		\$ 221,592	
Year 8	11/15 - 10/16		\$ 230,455	
Year 9	11/16 - 10/17		\$ 239,673	
Year 10	11/17 - 10/18		\$ 249,260	
TOTAL		\$ 622,908	\$ 2,102,593	\$ 76,232

Annual Energy Guarantee escalates 4% each year.

Milwaukee County Phase I Measurement & Verification Report

Year 2

July 31, 2012

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1 Section 1 - Executive Summary

All capitalized terms not specifically defined in this Report have the same meanings defined in the Guaranteed Energy Savings Performance Contract between Milwaukee County and Ameresco, Inc. dated February 4, 2008 for the Project NO. 5081-6147-02 (the "GESPC").

The purpose of this Measurement & Verification Report (the "Report") is to document the annual review and reconciliation of savings as set forth in the GESPC.

The amount of Actual Energy and Cost Savings for the second Guarantee Year of the Performance Period have been determined as set forth in the GESPC to be Two Hundred Seventy Thousand Two Hundred Fifteen Dollars (\$270,215) which exceeds the Guaranteed Energy and Cost Savings, as set forth in the GESPC, of Two Hundred Fifteen Thousand One Hundred and Eight Dollars (\$215,108).

Figure 1: Energy & Cost Savings Comparison

Accordingly, the Actual Energy and Cost Savings are greater than the Guaranteed Energy and Cost Savings during the first and second Guarantee Year and the guarantee is considered achieved.

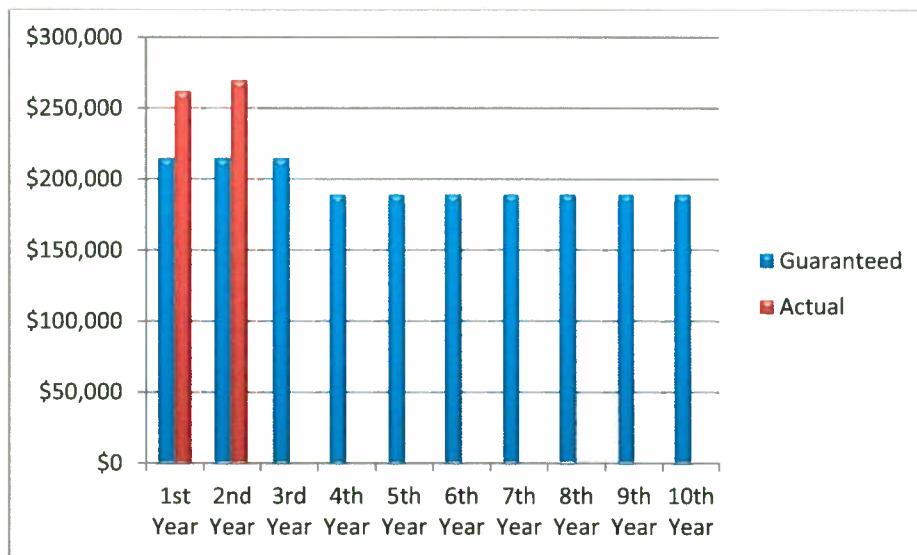


Table 4: Energy and Cost Savings by Individual Energy Conservation Measure

ECM	Descriptions	VERIFIED* Electric Savings		VERIFIED* Gas Savings		Total VERIFIED* Savings
		kWh	\$	Therms	\$	\$
King Park						
			\$ 0.0984		\$ 1.2554	
1	Lighting Retrofit	171,477	\$16,867	-1377	-\$1,729	\$15,139
2	DDC Controls Upgrade	23,105	\$2,273	1350	\$1,695	\$3,967
4	Seal Building Envelope	7,045	\$693	3055	\$3,835	\$4,528
	Sub-Total	201,627	19,833	3028	3,801	23,634
Kosciuszko Community Center						
			\$ 0.0916		\$ 1.1457	
1	Lighting Retrofit	105,708	\$9,679	-849	-\$973	\$8,707
2	DDC Controls Upgrade	103,111	\$9,442	3333	\$3,819	\$13,260
3	VFDs for AHU fans	37,589	\$3,442	0	\$0	\$3,442
4	Install High Efficiency Motors	9,200	\$842	0	\$0	\$842
5	Seal Building Envelope	6,878	\$630	2982	\$3,416	\$4,046
	Sub-Total	262,486	24,035	5466	6,262	30,297
Washington Park						
			\$ 0.1341		\$ 1.1916	
1	Lighting Retrofit	17,562	\$2,355	-141	-\$168	\$2,187
4	Seal Building Envelope	0	\$0	1518	\$1,809	\$1,809
	Sub-Total	17,562	2,355	1377	1,641	3,996
Wilson Park (Ice Arena)						
			\$ 0.0788		\$ 1.1567	
1B	Lighting Retrofit (ice rink only)	110,428	\$8,701	-887	-\$1,026	\$7,675
8	Seal Building Envelope	9,999	\$788	4336	\$5,015	\$5,803
	Sub-Total	120,427	9,489	3449	3,990	13,479
O'Donnell Parking Structure						
			\$ 0.0740		\$ -	
1	Lighting Retrofit	385,320	\$28,496	0	\$0	\$28,496
	Sub-Total	385,320	28,496	0	0	28,496
Health and Human Services (COGS Center)						
			\$ 0.0786		\$ 1.0804	
1	DDC Controls Upgrade	485,738	\$38,174	38340	\$41,421	\$79,595
2	Retrofit AHUs for Air Side Economizer *	1	\$0	1	\$1	\$1
3	VFDs for AHU fans	33,440	\$2,628	0	\$0	\$2,628
4	Install High Efficiency Motors	12,354	\$971	0	\$0	\$971
5	Retrofit Windows with Low E Film*	172,443	\$13,552	13611	\$14,705	\$28,257
6	Seal Building Envelope (not including windows)	8,945	\$703	929	\$1,004	\$1,707
	Sub-Total	712,921	56,028	52881	57,131	113,159
Noyes Pool						
			\$ 0.0809		\$ 1.1906	
1	Lighting Retrofit	51,459	\$4,161	-413	-\$492	\$3,669
2	DDC Controls Upgrade	102,302	\$8,272	10746	\$12,794	\$21,066
3	Install Preheat Coil for HV-1 and HV-2*	0	\$0	8354	\$9,946	\$9,946
5	Seal Building Envelope	0	\$0	1708	\$2,034	\$2,034
	Sub-Total	153,761	12,432	20394	24,281	36,714
Pulaski Pool						
			\$ 0.0809		\$ 1.1906	
1	Lighting Retrofit	51,971	\$4,202	-417	-\$497	\$3,705
2	DDC Controls Upgrade	26,491	\$2,142	2196	\$2,615	\$4,756
3	Install Preheat Coil for HV-1 and HV-2 *	0	\$0	8354	\$9,946	\$9,946
5	Seal Building Envelope	0	\$0	1708	\$2,034	\$2,034
	Sub-Total	78,462	6,344	11840	14,097	20,441
Grand Total		1,932,566	159,012	98,436	111,203	270,215

ESG Contract # 109-173
Energy Savings Performance Contract



Milwaukee County
Courthouse Complex Phase 2

Annual Verification Report
Year 1
Ending October 31, 2012

Submitted by:

Honeywell

Executive Summary

Milwaukee County entered into an Energy Services Agreement with Energy Services Group on January 1, 2000. This program funded a \$2,692,270 investment that addressed energy improvements, deferred maintenance, and operational enhancements. The project is expected to save \$3,476,910 in guaranteed utility savings over the ten year term of the agreement, which will completely pay back the capital investment, interest, and the ongoing Technical Resource Services. The implementation was completed and the guarantee period began on November 01, 2011. As a result, October 31, 2012 marked the first complete year of the guarantee. The verified utility and operating cost savings over the last year were 75.3% ahead of the guarantee. The table below summarizes the results for the first year.

Type of Savings	Guaranteed	Verified Savings			Ahead of
	Savings	Construction	Year 1	Year 2	Guarantee
Annual kWh Savings	2,736,498	1,359,010	3,425,124	0	75%
Annual Steam	11,753.4	5,750.6	14,503.6	0.0	16%
Annual Water Savings (CCF)	14,542.1	10,842.8	15,894.0	0.0	84%
Guaranteed Cost		\$0	\$334,135	\$0	
Verified Cost		\$178,194	\$407,566	\$0	75%

Primary Measurement and Verification Process

The process that is used for the Measurement and Verification involves the use both stipulated and measured information. Any data that can be cost-effectively measured is measured, and other information is stipulated based on standard industry calculations or the best available data. For example, future energy rates are not known, so conservative base rates are established which are then escalated annually. Thus the guarantee is better thought of as based on units of energy, not on actual utility costs.

Prior to the implementation of the project, instantaneous energy used by the lights and mechanical equipment was measured and the operating hours were monitored. After the implementation of the project, the instantaneous energy of the replacement lights and equipment were measured. Based on this reduction in instantaneous energy and the operating hours, we are able to calculate and verify the savings.

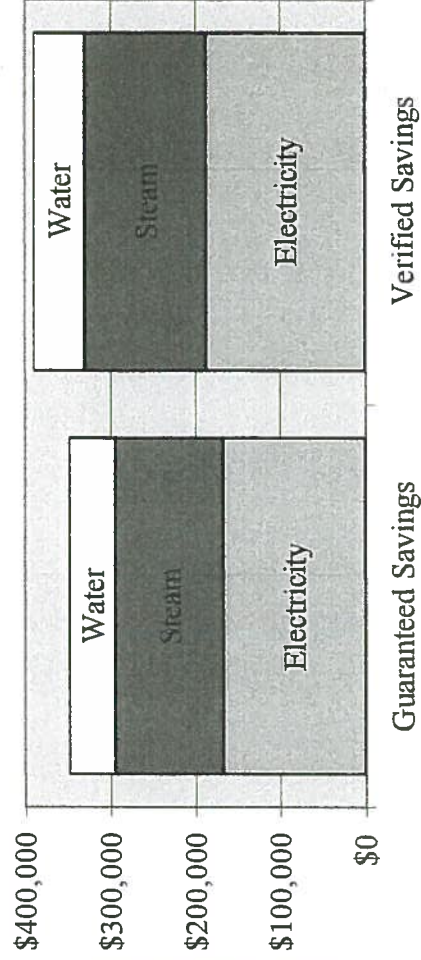
The operating hours of all of the major mechanical equipment is continuously monitored by the energy management system. From the comparisons of the actual operating hours versus the projected operating hours, the energy savings are adjusted according to any deviations. From this we are able to verify the savings associated with the controls and the energy management system. The summary of these measurements and calculations are presented in the exhibits of this report.

Conclusion

Based on the measurement and verification used by Energy Services Group, the energy savings are in excess of those projected in this agreement. With the continued diligence of the facility staff, the county can expect these savings to continue in the future.

Utility Savings Summary - Year 1

Facility Improvement Measure	Annual kWh Savings		Annual Steam Savings (MMBtu)		Annual Water Savings (CCF)	
	Guaranteed	Verified	Guaranteed	Verified	Guaranteed	Verified
Energy Management System and Controls	1,982,959	2,582,190	7,087.7	8,946.7		
PC Power Management	0	0	0.0	0.0		
Vending Machine Controls	0	0				
Steam Trap Replacements			2,875.5	3,554.3		
Variable Speed Drives/Ventilation Control	753,539	842,934	811.4	907.6		
Plumbing Improvements			830.8	929.3	14,542.1	15,894.0
Building Envelope/Air Leakage			148.1	165.7		
Total Energy Savings	2,736,498	3,425,124	11,753.4	14,503.6	14,542.1	15,894.0
Increase in Savings (Energy)		688,626		2,750.2		1,351.9
Increase in Savings (%)		25.2%		23.4%		9.3%
Historical Energy Use	17,114,328	17,114,328	87,649.7	87,649.7	1,000.0	1,000.0
Savings (% of historical)	16.0%	20.0%	13.4%	16.5%	1454.2%	1589.4%
Energy Cost (\$/unit) w/inflation	\$0.05625	\$0.05625	\$10.83	\$10.83	\$3.64	\$3.64
Total (\$ Dollars)	\$153,920	\$192,653	\$127,282	\$157,059	\$52,933	\$57,854



Cost Savings Summary	Guaranteed Savings	Verified Savings
Electricity	\$153,920	\$192,653
Steam	\$127,282	\$157,059
Water	\$52,933	\$57,854
Total	\$334,135	\$407,566