

Medina City Schools



Energy Savings Program

PERFORMANCE YEAR 15
October 2023 – September 2024
YEAR END SAVINGS REPORT

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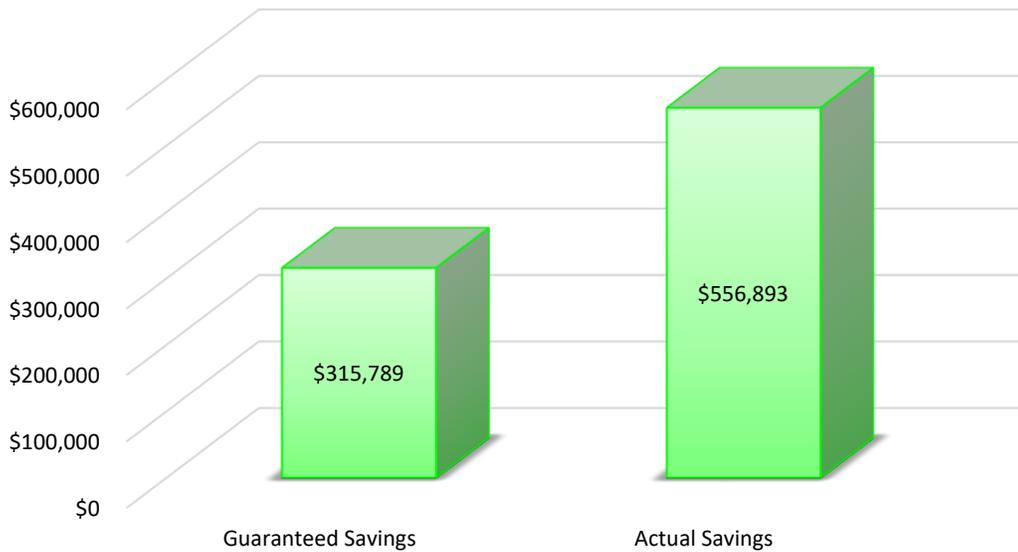
Section 1: Overview

The Brewer-Garrett Company (“Brewer-Garrett”) is pleased to present results of this year’s energy savings benefits of the Energy Savings Program at Medina City Schools (“Medina”). Construction was completed in the fall of 2009, so we are currently tracking savings for Performance Year 15 (October 2023 through September 2024).

For Performance Year 15, we guaranteed \$315,789 in total energy, water, and sewer savings.

Performance Year 15 (PY15), ending in September 2024, was another successful year for energy savings. Medina saved \$556,893 this past year for a total cumulative savings of \$7,749,221. See Section 3 for an updated summary of savings over the entire history of the project.

Energy Savings Program Overview: Medina City Schools



Section 2: Savings Guarantee Summary

The Performance Guarantee is governed by the Energy Performance Agreements executed by Medina City Schools and The Brewer-Garrett Company on August 31, 2007 and September 30, 2013 (collectively as the "Contract"). The Performance Guarantee, summarized in Table 2a, is based on the Contract dated 8/31/2007 Schedule C "Energy and Operational Savings Guarantee." The Total Guaranteed Savings over the term of this agreement (15 years) is \$4,736,535.

Table 2a: Performance Guarantee Summary

Total Guaranteed Savings (\$) per Contract 8/31/2007	\$4,736,535
Total Guaranteed Savings (\$) per Contract 9/30/2013	\$419,467

See Table 3a.

Guaranteed Savings (\$)					
Performance Year	Water/Sewer/ Energy Savings (\$)	Stipulated Operational Savings (\$)	Total Guaranteed Savings (\$)	Cumulative Guaranteed Savings (\$)	
1	2010	\$315,769	\$0	\$315,769	\$315,769
2	2011	\$315,769	\$0	\$315,769	\$631,538
3	2012	\$315,769	\$0	\$315,769	\$947,307
4	2013	\$315,769	\$0	\$315,769	\$1,263,076
5	2014	\$315,769	\$0	\$315,769	\$1,578,845
6	2015	\$315,769	\$0	\$315,769	\$1,894,614
7	2016	\$315,769	\$0	\$315,769	\$2,210,383
8	2017	\$315,769	\$0	\$315,769	\$2,526,152
9	2018	\$315,769	\$0	\$315,769	\$2,841,921
10	2019	\$315,769	\$0	\$315,769	\$3,157,690
11	2020	\$315,769	\$0	\$315,769	\$3,473,459
12	2021	\$315,769	\$0	\$315,769	\$3,789,228
13	2022	\$315,769	\$0	\$315,769	\$4,104,997
14	2023	\$315,769	\$0	\$315,769	\$4,420,766
15	2024	\$315,769	\$0	\$315,769	\$4,736,535
Total	\$4,736,535	\$0	\$4,736,535		

Note: The Combined Heat and Power (CHP) project (contract executed 9/30/2013) guaranteed \$537,112 to cover the cost of the project (adjusted to \$419,467 since the project was not financed.) This guarantee amount is not included in the table above, since the CHP project was funded via excess savings from years 1 through 3 of the program. See Table 3a.

YEAR END SAVINGS REPORT

A second Energy Performance and Service Agreement dated 9/30/2013 provided for the installation of a Combined Heat and Power (“CHP”) Project that was estimated to generate \$62,833 in additional energy savings and increase operational costs by \$17,760 annually for a net savings of \$45,073. This second agreement guaranteed that Medina would recover the cost of the CHP project including construction and financing costs estimated at \$537,122. Since Medina was able to fund the project without financing, thereby eliminating interest costs, the guaranteed amount was adjusted to \$419,467, equivalent to the installed cost for the CHP system.

For auditing and verification purposes the parties agreed that the original Total Guaranteed Savings amount of \$4,736,535 for the original contract should not be increased to reflect the additional CHP project guarantees; instead, the Cumulative Actual Savings achieved during Performance Years 1 through 3 was reduced by \$419,467 as shown in Table 3a.

YEAR END SAVINGS REPORT

Section 3: Performance History

At the end of Performance Year 15, Medina City Schools had accumulated \$7.7 million in savings since the beginning of the energy savings program, more than \$3.0 million above the cumulative guaranteed savings.

Table 3a: Performance History for the Medina City Schools Energy Savings Program

Performance Year	Guaranteed Savings (\$)	Actual Savings (\$)	Cumulative Guaranteed Savings (\$)	Cumulative Actual Savings (\$)
--- Interim Period	-----	\$470,472	-----	\$470,472
1 10/09 - 9/10	\$315,769	\$438,675	\$315,769	\$909,147
2 10/10 - 9/11	\$315,769	\$478,648	\$631,538	\$1,387,795
3 10/11 - 9/12	\$315,769	\$444,287	\$947,307	\$1,832,082
Note: CHP Project contract was signed 9/30/2013 and guaranteed total savings of \$419,467; this Project was funded via the excess savings from years 1 through 3 of the guarantee. The annual Guaranteed Savings amount has not been increased to reflect the additional CHP Project guarantee; instead the Cumulative Actual Savings for Performance Year 3 has been reduced by \$419,467.				
3 rev	10/11 - 9/12	\$315,769	\$444,287	\$947,307
4 10/12 - 9/13	\$315,769	\$501,965	\$1,263,076	\$1,914,580
5 10/13 - 9/14	\$315,769	\$566,866	\$1,578,845	\$2,481,447
6 10/14 - 9/15	\$315,769	\$501,972	\$1,894,614	\$2,983,419
7 10/15 - 9/16	\$315,769	\$440,660	\$2,210,383	\$3,424,079
8 10/16 - 9/17	\$315,769	\$460,049	\$2,526,152	\$3,884,128
9 10/17 - 9/18	\$315,769	\$583,582	\$2,841,921	\$4,467,710
10 10/18 - 9/19	\$315,769	\$575,634	\$3,157,690	\$5,043,344
11 10/19 - 9/20	\$315,769	\$506,639	\$3,473,459	\$5,549,983
12 10/20 - 9/21	\$315,769	\$547,581	\$3,789,228	\$6,097,564
13 10/21 - 9/22	\$315,769	\$518,062	\$4,104,997	\$6,615,626
14 10/22 - 9/23	\$315,769	\$576,701	\$4,420,766	\$7,192,327
15 10/23 - 9/24	\$315,769	\$556,893	\$4,736,535	\$7,749,221
Total	\$4,736,535			

Energy Audit for Medina City Schools, Year 15

The undersigned agrees that The Brewer-Garrett Company delivered this audit report to Medina City Schools. If no written reply is made to The Brewer-Garrett Company concerning the validity of this audit in 30 days, it will be considered received by Medina City Schools.

Received by:

Date:

Medina City Schools

Delivered by:

Date:

The Brewer-Garrett Company

Section 4: Summary of Savings

Medina City Schools ~ Performance Year 15
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Summary of Savings

Electric			
KWH Used In Base Year		11,180,440	KWH
Baseline for	Performance Year 15	9,779,713	KWH
Actual Usage for	Performance Year 15	7,020,493	KWH
Total KWH Saved		2,759,220	KWH
Total Dollars Saved		\$357,029	
Natural Gas			
MCF Used In Base Year		42,373	MCF
Baseline for	Performance Year 15	37,484	MCF
Actual Usage for	Performance Year 15	22,847	MCF
Total MCF Saved		14,637	MCF
Total Dollars Saved		\$163,793	
Water and Sewer			
Water Used In Base Year		3,676	CCF
Water Baseline for	Performance Year 15	3,676	CCF
Water Actual Usage for	Performance Year 15	1,978	CCF
Total Water CCF Saved		1,698	CCF
Total Water Dollars Saved		\$9,886	
Total Sewer Dollars Saved		\$26,186	
Total Water & Sewer Dollars Saved		\$36,072	
Total Actual Savings	Performance Year 15	\$556,893	
Total Guaranteed Savings	Performance Year 15	\$315,789	

Table 4a

Section 5: Electric Savings

Several projects implemented as part of the Medina City Schools Energy Savings Program were projected to achieve electric savings. These projects include a) district wide lighting retrofits and occupancy sensor installations, b) lighting controls at the High School, c) district wide vending machine control, d) variable frequency drives at Ella Canavan, Root and the High School, e) demand ventilation at Blake, Heritage, High School and Root, f) building automation system upgrades at the High School, and g) electric fan coil unit replacement with a natural gas unit at Heritage. The savings at Blake as a result of our rate investigation with First Energy/Ohio Edison have continued.

The adjusted electric baseline usage, actual electric usage, and base year electric usage are plotted side by side for each month in Figure 5a below.

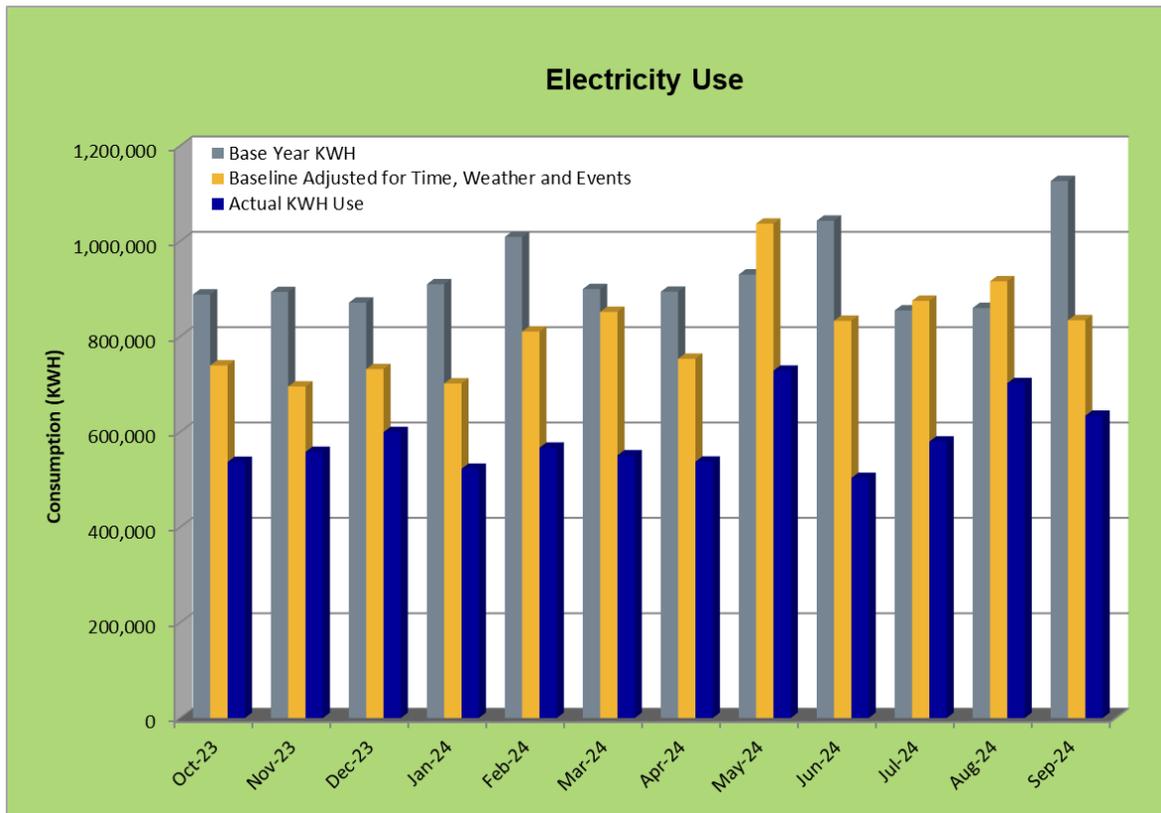


Figure 5a

Electric savings are determined by multiplying the energy and demand saving units by the applicable utility rate to convert units saved to dollars saved. Units of electricity saved are equal to the Baseline kWh minus Actual kWh, where the Baseline is the Base Year adjusted for time, weather, and events. The electric savings are calculated monthly and then total to yield an annual amount. The applicable

utility rate is based on the larger of the electric rate paid during the Performance Year or the Base Year as specified in Section 8.1 of the Contract.

Electric use in all the Medina City Schools that were affected by Brewer-Garrett is summarized in Figure 5b. During Performance Year 15, the annual electric usage in the schools affected by the Energy Savings Program decreased by over 2.7 million kWh (28%) from the Baseline. This is a savings of \$357,029 to Medina, and a reduction of 1,854 metric tons of CO₂ emissions, which is equivalent to keeping 432 passenger vehicles off the road for one year.

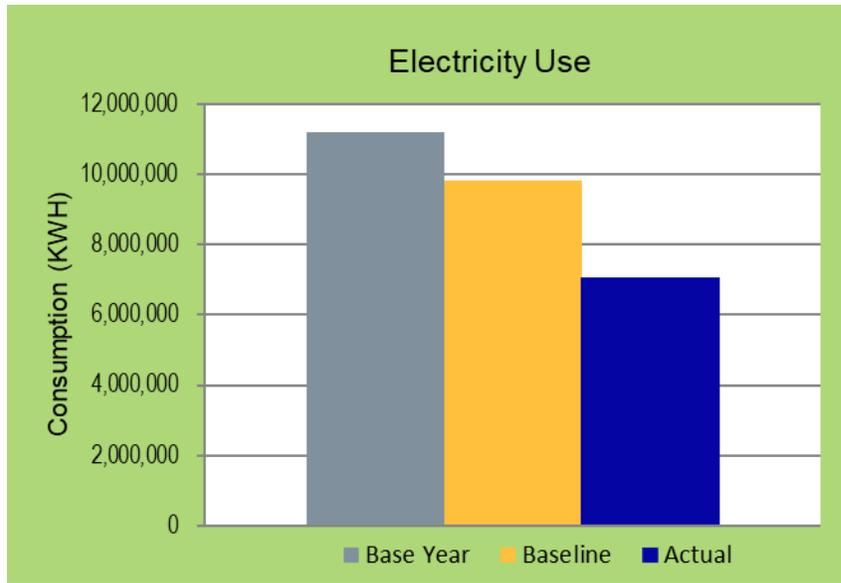


Figure 5b

Section 6: Natural Gas Savings

Several projects implemented as part of the Medina City Schools Energy Savings Program were projected to result in natural gas savings. These projects include a) demand ventilation at Blake, Heritage, High School and Root, b) building automation system upgrades at the High School, c) heat recovery and pool system modifications at the High School, and d) replacement of heating/ventilating units at Fenn and Garfield. The replacement of an electric fan coil unit with a gas-fired unit at Heritage was expected to save electricity but used more natural gas.

The adjusted natural gas baseline usage, actual natural gas usage, and base year natural gas usage are plotted side by side for each month in Figure 6a below.

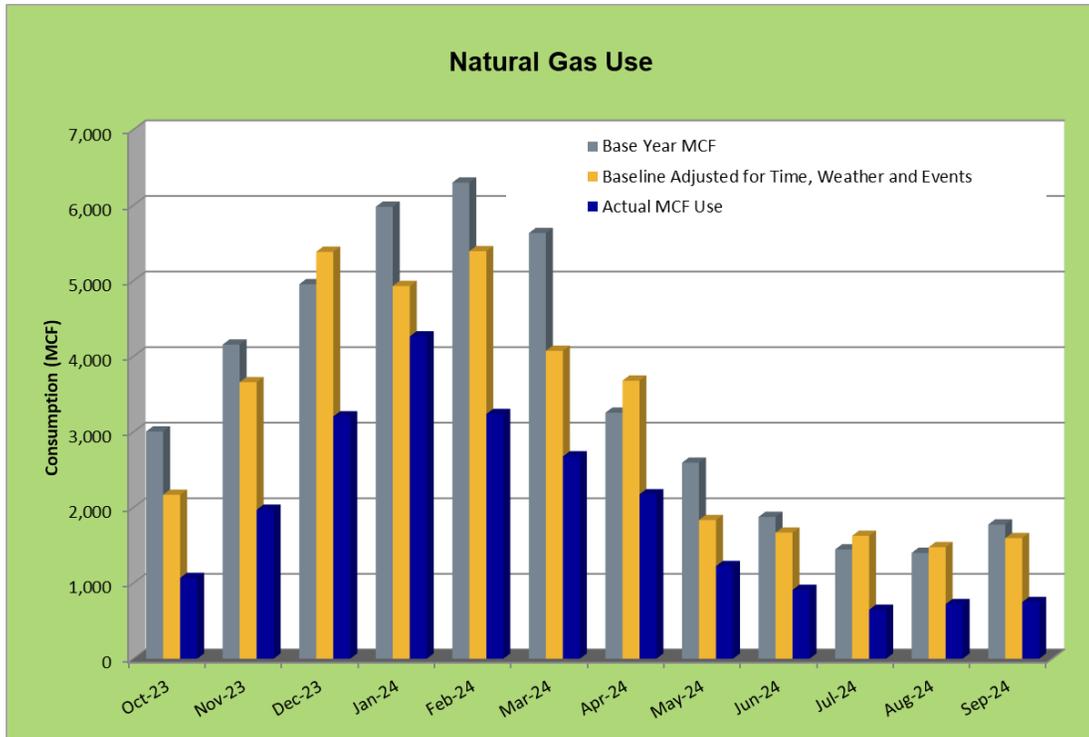


Figure 6a

Natural gas dollar savings are calculated each month by multiplying the monthly natural gas rate in \$/MCF by the units of natural gas saved. The monthly natural gas rate in \$/MCF is calculated based on Total Natural Gas \$ / Total Natural Gas MCF and is calculated separately for each building. The units of natural gas saved are equal to the Baseline MCF minus Actual MCF, where Baseline is the Base Year adjusted for time, weather, and events. The natural gas savings are calculated each month, and then summed to yield an annual savings. The energy savings are calculated based on the larger

of the natural gas rate paid during the Performance Year or the Base Year as specified in Section 8.1 of the Contract.

Natural gas use in all the Medina City Schools that were affected by Brewer-Garrett is summarized in Figure 6b. During Performance Year 15, the natural gas usage in the schools affected by the Energy Savings Program has been reduced by 14,637 MCF, or 39% from the Baseline. This is a savings of \$163,793 to Medina, and a reduction of 802 metric tons of CO₂ emissions, which is equivalent to keeping 187 passenger vehicles off the road for one year.

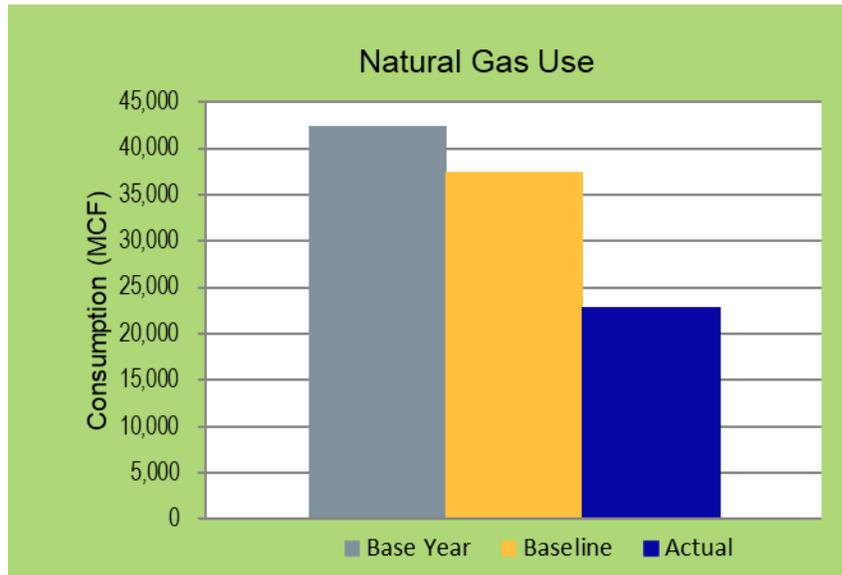


Figure 6b

Section 7: Water and Sewer Savings

Water conservation projects were implemented at Claggett and Garfield as part of the Medina City Schools Energy Savings Program and included the replacement of water-cooled condensers with air cooled units, and the automation of flush systems for urinals in the boys' bathrooms. In addition, Brewer-Garrett was instrumental in effecting a sewer rate change for Claggett. As a result, water and sewer savings were expected at both Claggett and Garfield.

Sewer savings were expected at the High School, where a sub-meter was installed for the cooling tower. This sub-meter enables the measurement of water evaporation to the atmosphere during the cooling process.

Sewer billings at Claggett, Garfield, and the High School are based on a fixed UNITS of sewer used every two months. These bills are adjusted for usage and rates periodically, but usually function independently of the actual water usage at each school. As a result, Brewer-Garrett calculates what the sewer usage should be and then analyzes the difference, to determine if the District is overbilled or underbilled.

During a review of sewer billing data, it was determined that the Medina County Sanitary Engineering Department has reduced the quantity of sewer UNITS that each school is billed, no doubt in response to a reduction in water use. An analysis was performed to validate the sewer billing practices; this summary is shown in Table 7a. Typically, the District is slightly overbilled for sewer usage and this year that pattern held true.

Sewer UNITS Billing Analysis		Claggett	Garfield	High School
Annual Actual Water Use	CCF	879	1,099	11,423
Annual Actual Water Use	Gallons	657,492	822,052	8,544,404
Annual Actual UNITS Used	UNITS	94	117	1,221
Annual UNITS Billed	UNITS	103	127	1,442
Monthly Actual UNITS Used	UNITS	7.83	9.79	101.72
Monthly UNITS Billed	UNITS	8.58	10.56	120.20
Overbilled or (Underbilled)	UNITS	9	9	222
Overbilled or (Underbilled)	\$	\$301	\$280	\$6,708
Total Overbilled (Underbilled)	UNITS		240	
Total Overbilled (Underbilled)	\$		\$7,289	

Table 7a

Water dollar savings are calculated each month by multiplying the monthly water rate in \$/CCF by the units of water saved. The monthly water rate in \$/CCF is calculated based on: Total Water \$ / Total Water CCF and is calculated separately for each building. The units of water saved are equal to the Baseline CCF minus Actual CCF, where Baseline is the Base Year use with no adjustments. The water savings are calculated each month, and then summed to yield annual savings. The Base Year, Base Line and Actual usage are shown monthly side by side in Figure 7b.

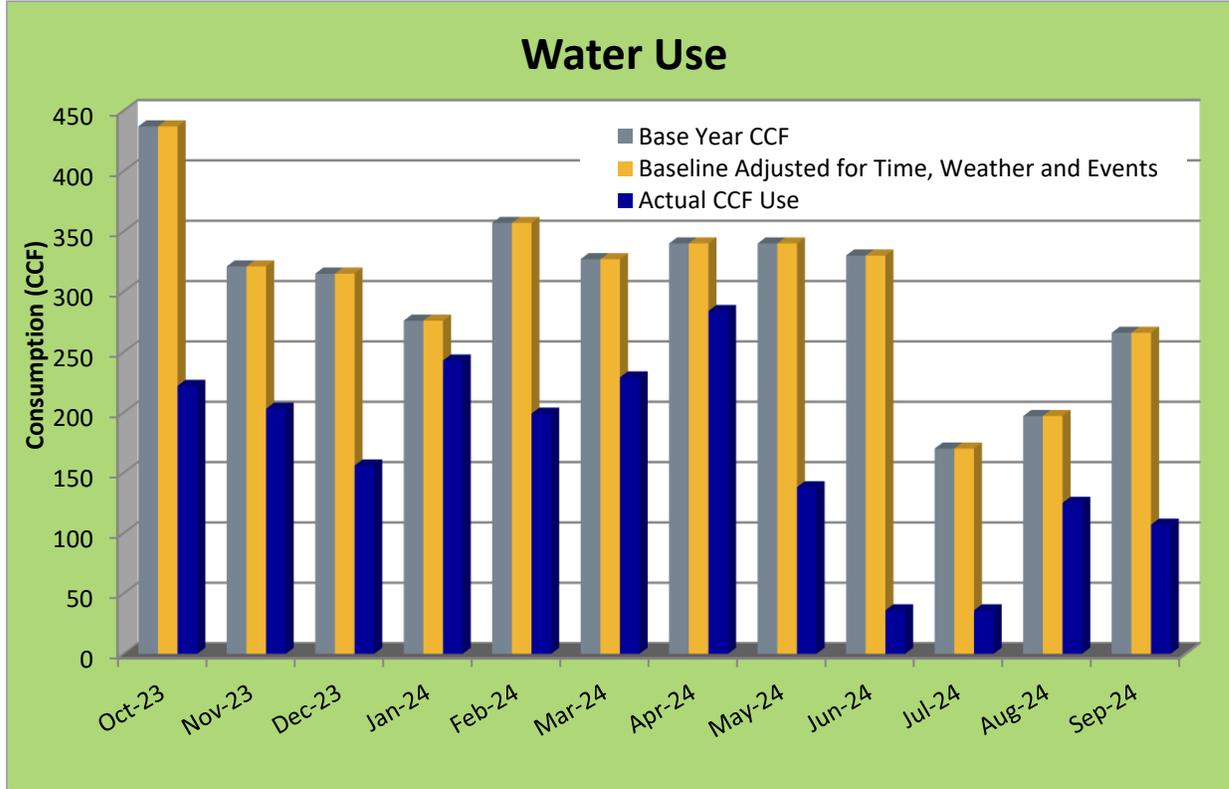


Figure 7b

Sewer dollar savings are calculated bi-monthly, to correspond with actual sewer bills. Sewer savings in this performance report are from: a) Claggett, as the result of the reduction in sewer “units” that Brewer-Garrett was instrumental in securing, and b) Garfield, as the result of the reduction in water use, and the corresponding reduction in sewer “units” that the Medina County Sanitary Engineering Department implemented. No sewer savings for the High School were included in this report. The sewer savings in terms of “units” are multiplied by the sewer rate in \$/“unit” on a bi-monthly basis, and then summed to yield an annual savings.

The water and sewer savings are calculated based on the larger of the water and sewer rates paid during the Performance Year or the Base Year as specified in Section 8.1 of the Contract.

The combined water use for Claggett and Garfield is summarized in Figure 7c. The Base Year, Baseline and Actual total usage during Performance Year 15 are shown side-by-side for comparison.

The overall water usage in these schools has been reduced by approximately 46% from the Baseline; this is a savings to Medina of over \$36,072 in water and sewer charges.

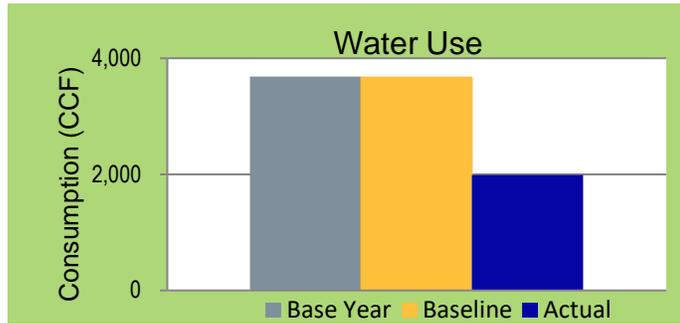


Figure 7c

Section 8: Operational Savings

No operational savings were claimed on this project.

Section 9: Adjustments

Adjustments are incorporated in the baseline projection for energy use to include changes in the number of days in a billing period as well as weather fluctuations, and events.

Time and Weather

Adjustments for time account for the difference in the number of days in a billing cycle. While the total number of days in the billing year does not typically vary substantially from 365, there can be variations monthly. Since savings calculations are performed monthly, changes in billing dates will affect the weather data and historical usage that is used for calculations. Adjustments for weather data allow predictions on how much energy a facility should be using. As the number of heating degree days increases (decreases), we would expect more (less) natural gas use. Similarly, as the number of cooling degree days increases (decreases), we would expect more (less) electricity used for building cooling. During this Performance Year, we experienced a warmer summer than the Base Year and a milder winter.

Total Degree Days		
	Base Year	Performance Year 15
Cooling Degree Days (60)	1,299	1,827
Heating Degree Days (65)	5,325	4,142

Table 9a

To show the calculation of the baseline, and savings, the annual performance of both electric and natural gas for Medina High School is shown below. The green line shows the Base Year Data. The dashed blue line shows the Baseline Usage, which is the Base Year adjusted for time weather and events. The red line shows the actual usage of the current year from actual utility bills.

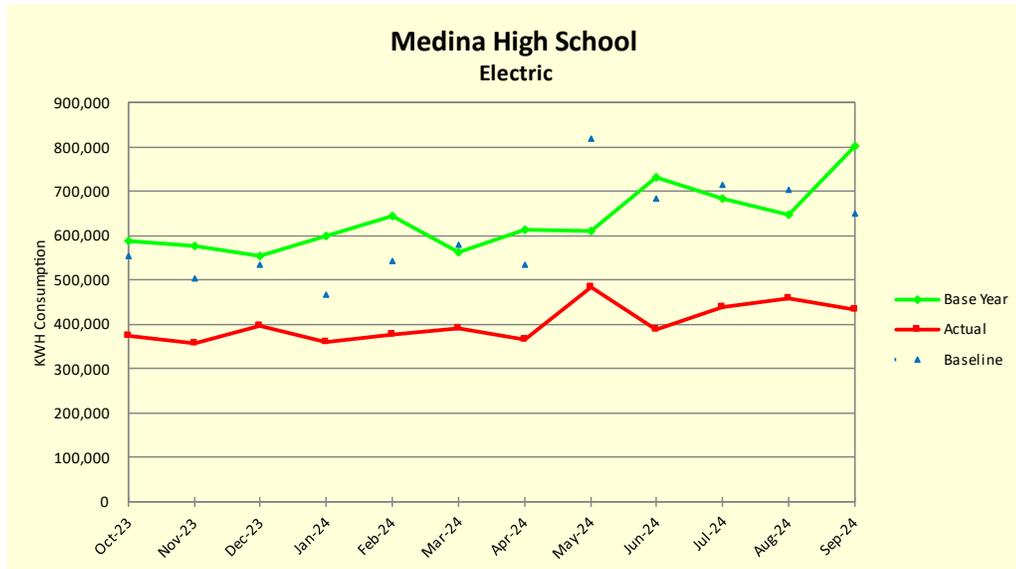


Figure 9b

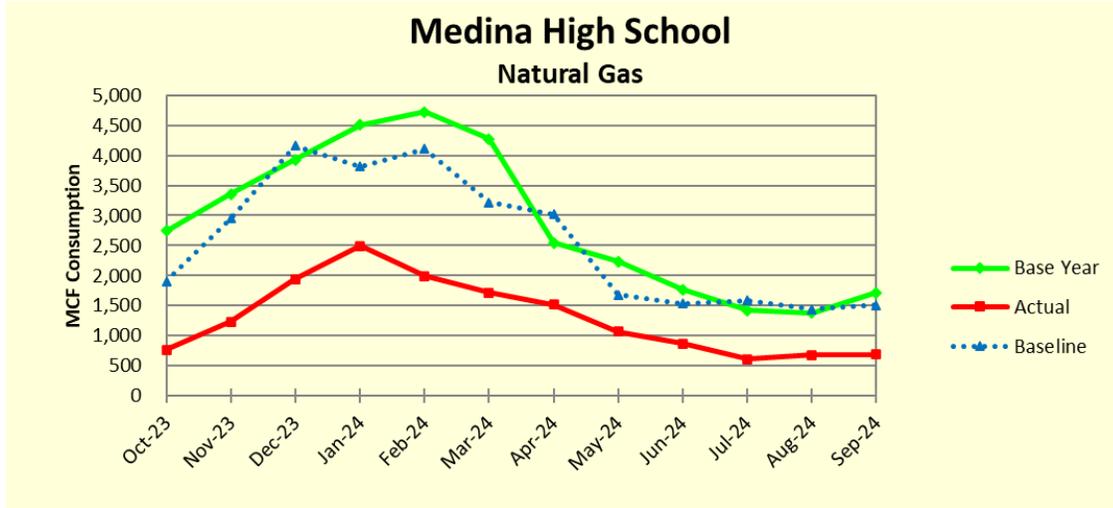


Figure 9c

Additional Equipment

The heating/ventilating units at Fenn and Garfield were replaced and air conditioning was added as part of the Energy Savings Program. The energy use associated with the air conditioning equipment is an adjustment to the baseline as addressed in Schedule F of the Contract: Savings Calculation Formulae: Methodology to Adjust Baseline.

The additional demand and energy use for these units is calculated based on the information in Table 9a and is included in the Electric Baseline.

School Name	Quantity	Unit Description
Fenn Elementary	1	Library/Computer Lab Unit 10 ton, EER=11, 2300 hrs
	1	Gym Unit 10 ton, EER=11, 2700 hrs
Garfield Elementary	1	Gym Unit 12 ton, EER=9.7, 2925 hrs

Table 9d

Lighting Retrofit

The District Wide Lighting Retrofit Project also continues to save energy annually. The lighting project is separate from the original energy savings program. To ensure the savings from the lighting retrofit were not accounted for twice, the energy savings associated with the lighting project is an adjustment to the baseline of the energy savings program. The lighting retrofit adjustments were calculated from measurement and verification savings. The Lighting M&V Savings Summary is provided in Appendix B.

Section 10: Energy Savings – Performance Year 15

For Performance Year 15 (October 2023 through September 2024), Brewer-Garrett guarantees \$315,789 in annual savings as shown in Table 2a.

Based on utility bills for electric, natural gas, water and sewer, Medina saved \$556,893.

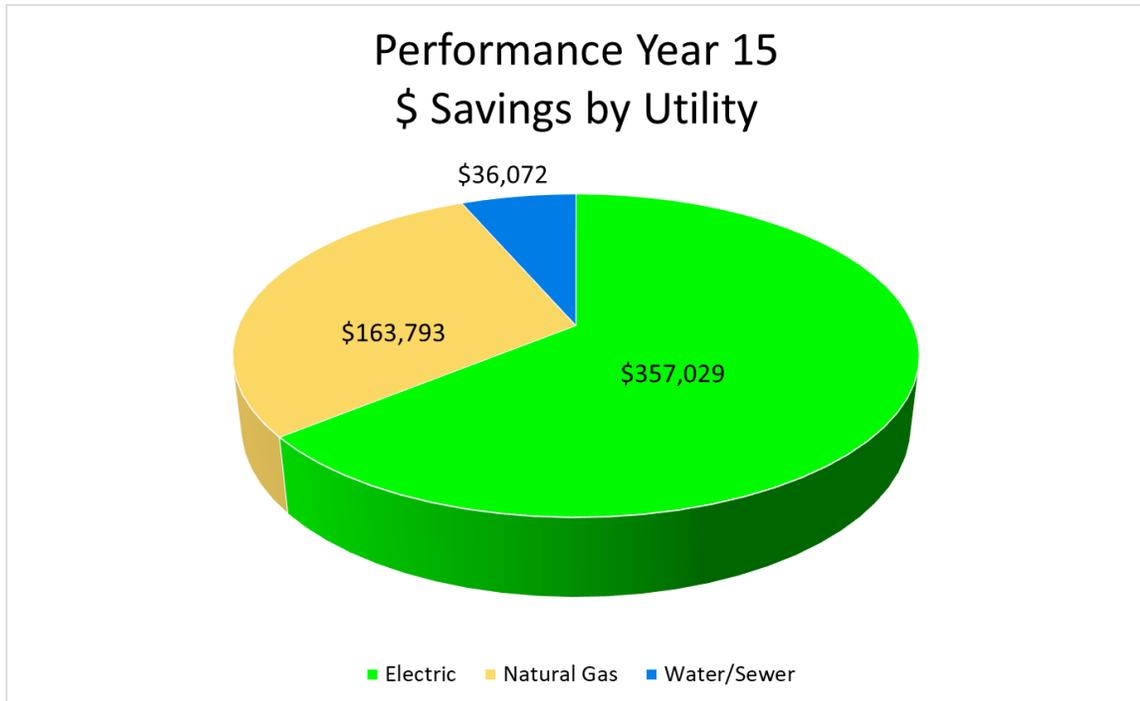


Figure 10a

Section 11: Conclusion

Brewer-Garrett is pleased to be Medina’s energy partner. We believe in bringing value to partnerships in areas outside of merely reporting energy savings.

Over the last 15 years since this project was implemented, we have seen Medina’s district-wide energy use drop significantly. One measure used to determine the energy efficiency in buildings is the Energy Use Intensity or EUI. The table below shows the reduced energy use by building across the District since this project was implemented. The total district average shows a reduction of 42% from the base year to the current performance year.

Medina City Schools - EUI (mmBTU/Sq. Ft.)

Building	Sq. Ft	Base Year				PY15 - 2024			
		KWH	MCF	mmBtu/Sq.Ft	Notes	KWH	MCF	mmBtu/Sq.Ft	Notes
Kindergarten Center*	18,000	101,680		0.0193	Just electric	99,280		0.0188	Just electric
Claggatt Middle School*	96,000	458,240		0.0163	Just electric	357,000		0.0127	Just electric
Root Middle School	128,000	1,055,920	2,154	0.0454		601,120	1,899	0.0312	
Blake Elementary	72,000	621,120	1,211	0.0467		422,733	1,144	0.0363	
Ella Canavan Elementary*	66,000	295,120		0.0153	Just electric	187,840		0.0097	Just electric
Fenn Elementary	69,000	228,640	1,974	0.0407		132,640	1,850	0.0341	
Garfield Elementary	66,000	302,760	2,166	0.0493		153,960	1,852	0.0367	
Heritage Elementary	47,000	498,160	266	0.0420		240,720	529	0.0290	
Medina High School	546,000	7,618,800	34,602	0.1126		4,825,200	15,573	0.0594	
Total	1,108,000	11,180,440	42,373	0.0737		7,020,493	22,847	0.0428	

*Only the electric bill was audited both before and after the project.

Appendix A – Tables and Charts

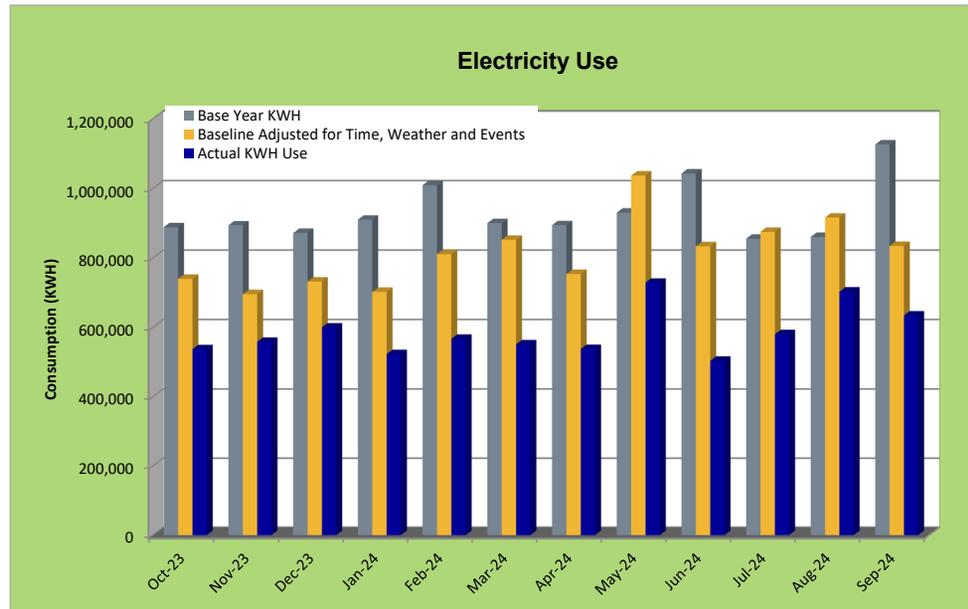
Medina City Schools ~ Performance Year 15

Electricity Summary

Electricity Used In Base Year	11,180,440	KWH
Adjustments for Time, Weather and Events	(1,400,727)	KWH
Baseline Usage	9,779,713	KWH
Actual Usage	7,020,493	KWH

Total KWH Saved	2,759,220
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Total Dollars Saved	\$357,029
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Medina City Schools ~ Performance Year 15

Electricity Savings

Electricity Base Year Units KWH

	October	November	December	January	February	March	April	May	June	July	August	September	Total
KWH													
Blake Elementary	53,120	55,640	55,920	47,080	60,880	58,760	48,520	56,240	53,440	34,360	41,800	55,360	621,120
Claggett Middle	38,080	41,280	40,160	45,920	49,760	45,440	34,560	41,920	33,120	21,440	21,600	44,960	458,240
Ella Canavan Elementary	27,520	24,880	24,720	23,360	25,760	25,760	24,080	29,840	29,360	18,240	14,800	26,800	295,120
Fenn Elementary	19,920	23,280	16,720	18,960	22,800	21,600	18,720	20,560	16,560	12,480	14,880	22,160	228,640
Garfield Elementary	27,360	24,960	26,040	20,160	27,840	26,400	24,120	26,520	29,160	15,000	24,480	30,720	302,760
Heritage Elementary	34,240	42,000	46,880	64,160	58,160	53,520	41,040	37,920	34,400	21,200	28,240	36,400	498,160
Medina High School	589,200	578,400	554,400	600,000	645,600	561,600	613,200	612,000	732,000	684,000	646,800	801,600	7,618,800
Kindergarten Center	8,160	9,240	8,880	8,880	11,040	8,160	9,800	8,520	7,280	6,240	6,080	9,400	101,680
Root Middle	90,640	93,920	97,520	81,280	107,200	98,560	80,080	96,640	107,680	42,000	61,440	98,960	1,055,920
Total KWH	888,240	893,600	871,240	909,800	1,009,040	899,800	894,120	930,160	1,043,000	854,960	860,120	1,126,360	11,180,440

Electricity Base Year Cost \$

	October	November	December	January	February	March	April	May	June	July	August	September	Total
Cost \$													
Blake Elementary	\$9,600	\$9,704	\$9,715	\$9,285	\$9,841	\$9,753	\$9,332	\$9,650	\$9,534	\$8,825	\$9,132	\$9,692	\$114,063
Claggett Middle	\$5,402	\$5,205	\$4,655	\$5,425	\$5,539	\$5,426	\$5,307	\$5,461	\$5,091	\$3,208	\$3,304	\$5,622	\$59,645
Ella Canavan Elementary	\$3,920	\$3,401	\$2,853	\$2,778	\$3,538	\$3,887	\$2,848	\$4,238	\$4,603	\$2,870	\$2,332	\$3,800	\$41,069
Fenn Elementary	\$2,254	\$2,380	\$1,896	\$2,246	\$2,345	\$2,313	\$1,403	\$2,267	\$2,235	\$1,256	\$1,593	\$2,459	\$24,647
Garfield Elementary	\$3,338	\$2,973	\$2,938	\$2,844	\$3,138	\$3,022	\$3,000	\$3,343	\$4,481	\$2,316	\$3,770	\$4,411	\$39,574
Heritage Elementary	\$4,169	\$4,947	\$5,756	\$6,266	\$6,093	\$6,324	\$5,201	\$4,286	\$5,078	\$3,021	\$4,223	\$4,411	\$59,776
Medina High School	\$58,128	\$57,109	\$54,509	\$39,837	\$46,096	\$52,823	\$56,607	\$56,576	\$63,172	\$61,799	\$60,844	\$63,586	\$671,086
Kindergarten Center	\$1,290	\$1,346	\$1,330	\$940	\$997	\$919	\$991	\$1,063	\$1,151	\$988	\$963	\$1,352	\$13,331
Root Middle	\$14,124	\$14,183	\$14,218	\$10,979	\$10,965	\$11,571	\$11,340	\$10,461	\$14,028	\$12,127	\$6,581	\$9,620	\$140,197
Total Cost \$	\$102,225	\$101,247	\$97,872	\$80,600	\$88,552	\$96,037	\$96,028	\$97,345	\$109,374	\$96,412	\$92,742	\$104,952	\$1,163,388

Electricity Base Year Unit Cost \$/KWH

	October	November	December	January	February	March	April	May	June	July	August	September	Average Base Year Demand & Energy Rate	
Unit Cost \$/KWH														
Blake Elementary	\$0.181	\$0.174	\$0.174	\$0.197	\$0.162	\$0.166	\$0.192	\$0.172	\$0.178	\$0.257	\$0.218	\$0.175	\$17.00/KW	\$0.0400/KWH
Claggett Middle	\$0.142	\$0.126	\$0.116	\$0.118	\$0.111	\$0.119	\$0.154	\$0.130	\$0.154	\$0.150	\$0.153	\$0.125	\$16.11/KW	\$0.0593/KWH
Ella Canavan Elementary	\$0.142	\$0.137	\$0.115	\$0.119	\$0.137	\$0.151	\$0.118	\$0.142	\$0.157	\$0.157	\$0.158	\$0.142	\$14.68/KW	\$0.0686/KWH
Fenn Elementary	\$0.113	\$0.102	\$0.113	\$0.118	\$0.103	\$0.107	\$0.075	\$0.110	\$0.135	\$0.101	\$0.107	\$0.111	\$21.98/KW	\$0.0298/KWH
Garfield Elementary	\$0.122	\$0.119	\$0.113	\$0.141	\$0.113	\$0.114	\$0.124	\$0.126	\$0.154	\$0.154	\$0.154	\$0.144	\$15.08/KW	\$0.0662/KWH
Heritage Elementary	\$0.122	\$0.118	\$0.123	\$0.098	\$0.105	\$0.118	\$0.127	\$0.113	\$0.148	\$0.142	\$0.150	\$0.121	\$19.87/KW	\$0.0397/KWH
Medina High School	\$0.099	\$0.099	\$0.098	\$0.066	\$0.071	\$0.094	\$0.092	\$0.092	\$0.086	\$0.090	\$0.094	\$0.079	\$20.65/KW	\$0.0257/KWH
Kindergarten Center	\$0.158	\$0.146	\$0.150	\$0.106	\$0.090	\$0.113	\$0.101	\$0.125	\$0.158	\$0.158	\$0.158	\$0.144	\$14.28/KW	\$0.0724/KWH
Root Middle	\$0.156	\$0.151	\$0.146	\$0.135	\$0.102	\$0.117	\$0.142	\$0.108	\$0.130	\$0.289	\$0.107	\$0.097	\$15.43/KW	\$0.0652/KWH

Medina City Schools ~ Performance Year 15

Electricity Savings

Electricity Actual Performance Year Units KWH

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
KWH													
Blake Elementary	32,520	41,290	31,538	35,659	34,558	30,682	33,905	32,926	29,866	30,804	47,573	41,412	422,733
Claggett Middle	25,440	29,120	27,200	31,040	22,400	12,000	21,600	90,080	1,000	15,040	46,240	35,840	357,000
Ella Canavan Elementary	13,440	16,080	13,040	14,480	12,960	13,280	15,280	16,160	13,680	16,560	23,600	19,280	187,840
Fenn Elementary	10,320	12,800	14,080	0	13,120	15,200	13,840	5,920	0	11,120	16,720	19,520	132,640
Garfield Elementary	14,160	19,680	17,280	0	16,080	15,720	16,320	19,920	12,720	11,640	10,440	0	153,960
Heritage Elementary	17,520	24,880	22,720	24,000	27,280	20,400	18,480	17,680	10,480	12,080	26,720	18,480	240,720
Medina High School	374,400	357,600	396,000	360,000	378,000	390,000	366,000	485,333	388,267	439,200	458,400	432,000	4,825,200
Kindergarten Center	6,160	6,720	27,200	6,640	6,200	6,360	4,960	7,720	6,600	7,960	7,000	5,760	99,280
Root Middle	43,040	49,920	50,560	50,800	56,160	47,200	47,280	52,720	40,800	35,440	65,600	61,600	601,120
Total KWH	537,000	558,090	599,618	522,619	566,758	550,842	537,665	728,459	503,413	579,844	702,293	633,892	7,020,493

Electricity Actual Performance Year Cost \$

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
Cost \$													
Blake Elementary	\$5,200	\$2,548	\$2,177	\$6,263	\$6,154	\$6,004	\$6,830	\$6,300	\$6,090	\$6,156	\$7,308	\$6,859	\$67,888
Claggett Middle	\$3,268	\$2,890	\$2,850	\$3,930	\$3,695	\$2,527	\$3,506	\$9,086	\$2,715	\$2,317	\$5,723	\$4,692	\$47,198
Ella Canavan Elementary	\$2,675	\$1,705	\$1,399	\$1,936	\$1,770	\$1,814	\$2,902	\$2,799	\$2,855	\$3,798	\$3,658	\$3,107	\$30,418
Fenn Elementary	\$1,427	\$1,334	\$1,484	\$0	\$1,799	\$1,998	\$1,930	\$1,233	\$0	\$1,489	\$2,100	\$2,243	\$17,037
Garfield Elementary	\$1,676	\$2,273	\$1,757	\$0	\$2,081	\$2,133	\$2,558	\$3,162	\$1,968	\$1,684	\$1,762	\$0	\$21,053
Heritage Elementary	\$1,990	\$2,425	\$2,464	\$3,193	\$3,576	\$2,892	\$2,808	\$2,555	\$1,574	\$1,995	\$3,503	\$3,141	\$32,116
Medina High School	\$30,670	\$26,461	\$29,307	\$37,578	\$38,577	\$43,985	\$41,319	\$52,067	\$41,653	\$46,547	\$49,914	\$48,732	\$486,810
Kindergarten Center	\$615	\$632	\$2,850	\$847	\$808	\$815	\$709	\$1,141	\$1,006	\$2,317	\$1,037	\$807	\$13,583
Root Middle	\$5,036	\$5,333	\$5,466	\$6,963	\$10,491	\$6,586	\$8,816	\$8,715	\$7,445	\$7,698	\$10,467	\$10,066	\$93,081
Total Cost \$	\$52,558	\$45,600	\$49,754	\$60,710	\$68,950	\$68,754	\$71,376	\$87,058	\$65,307	\$74,000	\$85,471	\$79,647	\$809,184

Electricity Actual Performance Year Unit Cost \$/KWH

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	
Unit Cost \$/KWH													
Blake Elementary	\$0.160	\$0.062	\$0.069	\$0.176	\$0.178	\$0.196	\$0.201	\$0.191	\$0.204	\$0.200	\$0.154	\$0.166	
Claggett Middle	\$0.128	\$0.099	\$0.105	\$0.127	\$0.165	\$0.211	\$0.162	\$0.101	\$2.715	\$0.154	\$0.124	\$0.131	
Ella Canavan Elementary	\$0.199	\$0.106	\$0.107	\$0.134	\$0.137	\$0.137	\$0.190	\$0.173	\$0.209	\$0.229	\$0.155	\$0.161	
Fenn Elementary	\$0.138	\$0.104	\$0.105		\$0.137	\$0.131	\$0.139	\$0.208		\$0.134	\$0.126	\$0.115	
Garfield Elementary	\$0.118	\$0.115	\$0.102		\$0.129	\$0.136	\$0.157	\$0.159	\$0.155	\$0.145	\$0.169		
Heritage Elementary	\$0.097	\$0.108	\$0.133	\$0.131	\$0.142	\$0.152	\$0.145	\$0.150	\$0.165	\$0.131	\$0.170	\$0.133	
Medina High School	\$0.082	\$0.074	\$0.074	\$0.104	\$0.102	\$0.113	\$0.113	\$0.107	\$0.107	\$0.106	\$0.109	\$0.113	
Kindergarten Center	\$0.100	\$0.094	\$0.105	\$0.128	\$0.130	\$0.128	\$0.143	\$0.148	\$0.152	\$0.291	\$0.148	\$0.140	
Root Middle	\$0.117	\$0.107	\$0.108	\$0.137	\$0.187	\$0.140	\$0.186	\$0.165	\$0.182	\$0.217	\$0.160	\$0.163	

Medina City Schools ~ Performance Year 15

Electricity Savings

Electricity Baseline Units KWH

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
KWH													
Blake Elementary	35,976	39,110	37,307	44,903	48,918	46,806	42,901	40,917	30,746	25,017	37,448	41,843	471,892
Claggett Middle	25,794	26,476	25,627	34,587	39,103	33,649	30,317	29,082	20,103	17,344	25,808	29,750	337,639
Ella Canavan Elementary	9,524	13,579	14,607	19,594	16,923	20,422	13,416	12,450	12,803	11,285	14,269	10,818	169,691
Fenn Elementary	13,212	9,873	13,689	0	15,692	16,989	13,760	19,454	0	27,647	22,134	17,063	169,515
Garfield Elementary	18,901	21,292	16,416	0	20,306	22,741	21,794	24,560	26,562	24,635	26,706	0	223,914
Heritage Elementary	21,716	28,769	31,535	47,309	45,541	40,714	27,620	30,734	24,739	22,724	29,298	25,105	375,804
Medina High School	553,547	504,361	536,101	467,871	543,025	579,997	534,438	818,341	683,534	713,991	703,446	649,232	7,287,884
Kindergarten Center	4,018	3,394	7,377	6,937	6,133	7,081	3,386	5,013	3,227	4,312	3,838	4,941	59,658
Root Middle	56,760	48,505	49,155	80,541	74,935	83,387	65,801	56,294	31,486	28,168	53,016	55,668	683,716
Total KWH	739,447	695,359	731,815	701,742	810,577	851,785	753,433	1,036,847	833,201	875,123	915,963	834,421	9,779,713

Electricity Savings or (Shortfall) KWH

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
KWH													
Blake Elementary	3,456	(2,180)	5,769	9,244	14,360	16,124	8,996	7,991	880	(5,787)	(10,125)	431	49,159
Claggett Middle	354	(2,644)	(1,573)	3,547	16,703	21,649	8,717	(60,998)	19,103	2,304	(20,432)	(6,090)	(19,361)
Ella Canavan Elementary	(3,916)	(2,501)	1,567	5,114	3,963	7,142	(1,864)	(3,710)	(877)	(5,275)	(9,331)	(8,462)	(18,149)
Fenn Elementary	2,892	(2,927)	(391)	0	2,572	1,789	(80)	13,534	0	16,527	5,414	(2,457)	36,875
Garfield Elementary	4,741	1,612	(864)	0	4,226	7,021	5,474	4,640	13,842	12,995	16,266	0	69,954
Heritage Elementary	4,196	3,889	8,815	23,309	18,261	20,314	9,140	13,054	14,259	10,644	2,578	6,625	135,084
Medina High School	179,147	146,761	140,101	107,871	165,025	189,997	168,438	333,008	295,268	274,791	245,046	217,232	2,462,684
Kindergarten Center	(2,142)	(3,326)	(19,823)	297	(67)	721	(1,574)	(2,707)	(3,373)	(3,648)	(3,162)	(819)	(39,622)
Root Middle	13,720	(1,415)	(1,405)	29,741	18,775	36,187	18,521	3,574	(9,314)	(7,272)	(12,584)	(5,932)	82,596
Savings KWH	202,447	137,269	132,197	179,123	243,819	300,943	215,768	308,387	329,788	295,279	213,670	200,529	2,759,220

Electricity Savings or (Shortfall) \$

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
\$													
Blake Elementary	\$625	(\$380)	\$1,002	\$1,823	\$2,557	\$3,155	\$1,812	\$1,529	\$179	(\$1,486)	(\$2,212)	\$75	\$8,680
Claggett Middle	\$50	(\$333)	(\$182)	\$449	\$2,755	\$4,559	\$1,415	(\$7,946)	\$51,873	\$355	(\$3,125)	(\$797)	\$49,072
Ella Canavan Elementary	(\$780)	(\$342)	\$181	\$684	\$544	\$1,078	(\$354)	(\$642)	(\$183)	(\$1,210)	(\$1,470)	(\$1,364)	(\$3,858)
Fenn Elementary	\$400	(\$305)	(\$44)	\$0	\$353	\$235	(\$11)	\$2,819	\$0	\$2,213	\$680	(\$282)	\$6,058
Garfield Elementary	\$578	\$192	(\$98)	\$0	\$547	\$953	\$858	\$736	\$2,142	\$2,007	\$2,745	\$0	\$10,660
Heritage Elementary	\$511	\$458	\$1,082	\$3,101	\$2,393	\$2,880	\$1,389	\$1,886	\$2,142	\$1,758	\$386	\$1,126	\$19,111
Medina High School	\$17,674	\$14,491	\$13,775	\$11,260	\$16,842	\$21,428	\$19,015	\$35,725	\$31,676	\$29,122	\$26,682	\$24,505	\$262,196
Kindergarten Center	(\$339)	(\$484)	(\$2,970)	\$38	(\$9)	\$92	(\$225)	(\$400)	(\$533)	(\$1,062)	(\$501)	(\$118)	(\$6,510)
Root Middle	\$2,138	(\$214)	(\$205)	\$4,077	\$3,507	\$5,049	\$3,453	\$591	(\$1,700)	(\$2,100)	(\$2,008)	(\$969)	\$11,620
Savings \$	\$20,858	\$13,082	\$12,541	\$21,431	\$29,490	\$39,430	\$27,352	\$34,299	\$85,596	\$29,597	\$21,176	\$22,176	\$357,029

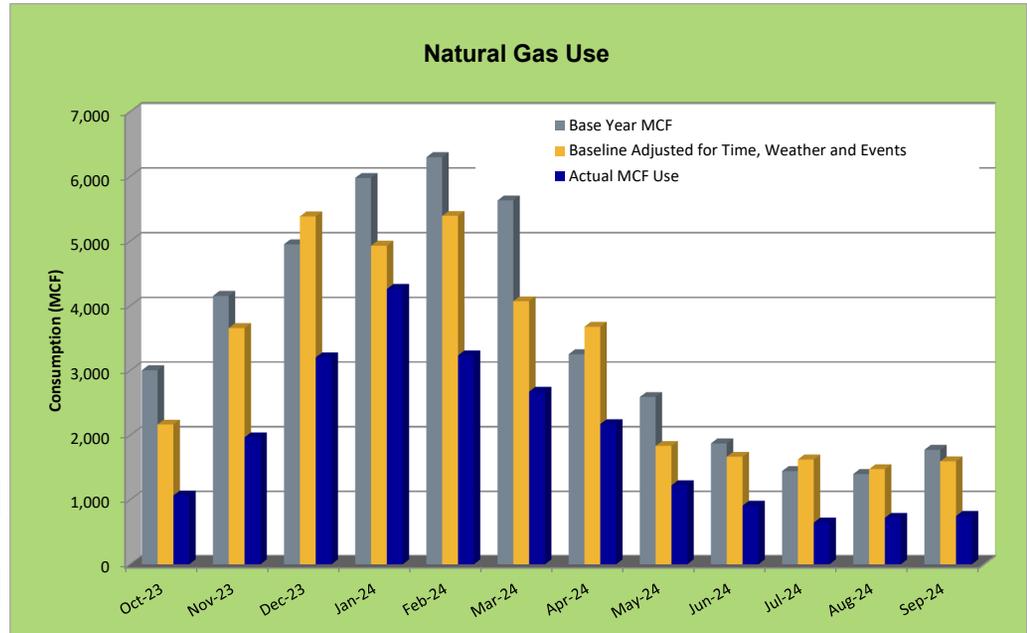
Medina City Schools ~ Performance Year 15

Natural Gas Summary

Natural Gas Used In Base Year	42,373	MCF
Adjustments for Time, Weather and Events	(4,889)	MCF
Baseline Usage	37,484	MCF
Actual Usage	22,847	MCF

Total MCF Saved	14,637
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Total Dollars Saved	\$163,793
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Medina City Schools ~ Performance Year 15

Natural Gas Savings

Natural Gas Base Year Units MCF

	October	November	December	January	February	March	April	May	June	July	August	September	Total
MCF													
Blake Elementary	3	52	134	258	184	267	179	51	44	11	3	25	1,211
Fenn Elementary	88	250	238	372	407	333	148	101	15	4	14	4	1,974
Garfield Elementary	118	248	300	402	476	376	124	111	3	3	2	3	2,166
Heritage Elementary	12	17	36	64	46	54	27	1	5	0	2	2	266
Medina High School	2,742	3,356	3,932	4,508	4,725	4,275	2,550	2,233	1,765	1,424	1,379	1,713	34,602
Root Middle	43	233	315	376	462	327	227	96	44	3	0	28	2,154
Total MCF	3,006	4,156	4,955	5,980	6,300	5,632	3,255	2,593	1,876	1,445	1,400	1,775	42,373

Natural Gas Base Year Cost \$

	October	November	December	January	February	March	April	May	June	July	August	September	Total
Cost \$													
Blake Elementary	\$48	\$571	\$1,567	\$3,714	\$2,265	\$3,679	\$1,947	\$582	\$445	\$125	\$54	\$302	\$15,300
Fenn Elementary	\$752	\$2,671	\$2,765	\$5,311	\$4,939	\$4,553	\$1,600	\$1,114	\$47	\$53	\$165	\$60	\$24,029
Garfield Elementary	\$954	\$2,551	\$3,085	\$5,703	\$5,580	\$4,986	\$1,295	\$1,177	\$21	\$42	\$36	\$48	\$25,479
Heritage Elementary	\$112	\$182	\$412	\$926	\$558	\$734	\$296	\$26	\$62	\$16	\$36	\$37	\$3,396
Medina High School	\$22,664	\$35,483	\$45,205	\$63,965	\$56,940	\$58,043	\$27,140	\$24,096	\$16,629	\$13,055	\$14,586	\$18,848	\$396,654
Root Middle	\$376	\$2,491	\$3,651	\$5,358	\$5,602	\$4,470	\$2,440	\$860	\$435	\$43	\$16	\$353	\$26,096
Total Cost \$	\$24,906	\$43,948	\$56,685	\$84,978	\$75,885	\$76,464	\$34,718	\$27,855	\$17,639	\$13,334	\$14,893	\$19,648	\$490,954

Natural Gas Base Year Unit Cost \$/MCF

	October	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	
Unit Cost \$/MCF													
Blake Elementary	\$15.95	\$10.99	\$11.70	\$14.40	\$12.31	\$13.78	\$10.88	\$11.40	\$10.11	\$11.40	\$18.13	\$12.09	
Fenn Elementary	\$8.54	\$10.68	\$11.62	\$14.28	\$12.13	\$13.67	\$10.81	\$11.03	\$10.61	\$13.16	\$11.80	\$15.06	
Garfield Elementary	\$8.08	\$10.28	\$10.28	\$14.19	\$11.72	\$13.26	\$10.44	\$10.61	\$6.95	\$14.07	\$18.03	\$16.04	
Heritage Elementary	\$9.35	\$10.68	\$11.44	\$14.47	\$12.14	\$13.58	\$10.97	\$26.43	\$12.30	\$0.00	\$18.03	\$18.39	
Medina High School	\$8.27	\$10.57	\$11.50	\$14.19	\$12.05	\$13.58	\$10.64	\$10.79	\$9.42	\$9.17	\$10.58	\$11.00	
Root Middle	\$8.75	\$10.69	\$11.59	\$14.25	\$12.13	\$13.67	\$10.75	\$8.96	\$9.89	\$14.47	\$0.00	\$12.62	

Medina City Schools ~ Performance Year 15

Natural Gas Savings

Natural Gas Actual Performance Year Units MCF

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
MCF													
Blake Elementary	45	101	192	268	194	162	102	34	8	8	9	21	1,144
Fenn Elementary	81	179	326	484	323	233	152	26	13	8	12	13	1,850
Garfield Elementary	81	217	319	455	309	235	166	43	8	7	6	6	1,852
Heritage Elementary	14	42	103	137	96	74	48	11	2	1	0	1	529
Medina High School	764	1,230	1,940	2,495	1,991	1,716	1,519	1,067	866	613	684	688	15,573
Root Middle	83	201	325	425	324	256	187	44	13	10	11	20	1,899
Total MCF	1,068	1,970	3,205	4,264	3,237	2,676	2,174	1,225	910	647	722	749	22,847

Natural Gas Actual Performance Year Cost \$

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
Cost \$													
Blake Elementary	\$241	\$328	\$434	\$520	\$439	\$402	\$330	\$229	\$181	\$181	\$184	\$219	\$3,690
Fenn Elementary	\$297	\$419	\$589	\$769	\$591	\$485	\$389	\$216	\$194	\$181	\$192	\$198	\$4,520
Garfield Elementary	\$315	\$509	\$649	\$833	\$640	\$538	\$440	\$252	\$0	\$178	\$175	\$179	\$4,708
Heritage Elementary	\$190	\$245	\$353	\$361	\$343	\$304	\$256	\$187	\$166	\$163	\$161	\$167	\$2,895
Medina High School	\$1,096	\$1,635	\$2,457	\$3,063	\$2,551	\$2,227	\$1,983	\$1,309	\$1,596	\$1,193	\$1,233	\$1,217	\$21,561
Root Middle	\$301	\$444	\$588	\$701	\$592	\$512	\$430	\$245	\$183	\$186	\$189	\$216	\$4,587
Total Cost \$	\$2,440	\$3,581	\$5,069	\$6,248	\$5,156	\$4,468	\$3,828	\$2,437	\$2,320	\$2,083	\$2,134	\$2,196	\$41,961

Natural Gas Actual Performance Year Unit Cost \$/MCF

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	
Unit Cost \$/MCF													
Blake Elementary	\$5.36	\$3.25	\$2.26	\$1.94	\$2.27	\$2.48	\$3.24	\$6.72	\$22.67	\$22.67	\$20.44	\$10.43	
Fenn Elementary	\$3.67	\$2.34	\$1.81	\$1.59	\$1.83	\$2.08	\$2.56	\$8.30	\$14.92	\$22.67	\$15.96	\$15.25	
Garfield Elementary	\$3.89	\$2.35	\$2.03	\$1.83	\$2.07	\$2.29	\$2.65	\$5.86	\$0.00	\$25.36	\$29.21	\$29.83	
Heritage Elementary	\$13.56	\$5.84	\$3.42	\$2.63	\$3.57	\$4.10	\$5.34	\$16.98	\$82.91	\$163.44		\$166.89	
Medina High School	\$1.43	\$1.33	\$1.27	\$1.23	\$1.28	\$1.30	\$1.31	\$1.23	\$1.84	\$1.95	\$1.80	\$1.77	
Root Middle	\$3.62	\$2.21	\$1.81	\$1.65	\$1.83	\$2.00	\$2.30	\$5.56	\$14.05	\$18.64	\$17.18	\$10.82	

Medina City Schools ~ Performance Year 15

Natural Gas Savings

Natural Gas Baseline Units MCF

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
MCF													
Blake Elementary	67	136	215	179	214	158	140	45	29	22	21	25	1,253
Fenn Elementary	70	215	277	316	309	208	140	16	54	8	8	9	1,630
Garfield Elementary	47	167	350	289	362	228	172	27	6	6	6	6	1,665
Heritage Elementary	9	25	46	38	47	31	25	6	3	3	0	3	236
Medina High School	1,910	2,949	4,162	3,818	4,112	3,222	3,025	1,685	1,533	1,584	1,437	1,509	30,946
Root Middle	66	167	335	290	348	226	177	55	43	3	3	43	1,756
Total MCF	2,168	3,659	5,384	4,931	5,392	4,074	3,679	1,834	1,668	1,626	1,475	1,595	37,484

Natural Gas Savings or (Shortfall) MCF

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
MCF													
Blake Elementary	22	35	23	(89)	20	(4)	38	11	21	14	12	4	109
Fenn Elementary	(11)	36	(49)	(168)	(14)	(25)	(12)	(10)	41	(0)	(4)	(4)	(220)
Garfield Elementary	(34)	(50)	31	(166)	53	(7)	6	(16)	(2)	(1)	(0)	(0)	(187)
Heritage Elementary	(5)	(17)	(57)	(99)	(49)	(43)	(23)	(5)	1	2	0	2	(293)
Medina High School	1,146	1,719	2,222	1,323	2,121	1,506	1,506	618	667	971	753	821	15,373
Root Middle	(17)	(34)	10	(135)	24	(30)	(10)	11	30	(7)	(8)	23	(143)
Savings MCF	1,100	1,689	2,179	667	2,155	1,398	1,505	609	758	979	753	846	14,637

Natural Gas Savings or (Shortfall) \$

	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Total
\$													
Blake Elementary	\$343	\$382	\$264	(\$1,279)	\$252	(\$53)	\$413	\$128	\$486	\$328	\$254	\$54	\$1,572
Fenn Elementary	(\$96)	\$389	(\$567)	(\$2,396)	(\$173)	(\$343)	(\$134)	(\$114)	\$613	(\$2)	(\$61)	(\$62)	(\$2,946)
Garfield Elementary	(\$277)	(\$517)	\$317	(\$2,350)	\$624	(\$98)	\$65	(\$171)	(\$16)	(\$26)	(\$10)	(\$7)	(\$2,467)
Heritage Elementary	(\$63)	(\$186)	(\$653)	(\$1,432)	(\$594)	(\$579)	(\$253)	(\$129)	\$85	\$282	\$0	\$312	(\$3,212)
Medina High School	\$9,473	\$18,177	\$25,542	\$18,773	\$25,557	\$20,453	\$16,025	\$6,671	\$6,282	\$8,897	\$7,968	\$9,035	\$172,855
Root Middle	(\$149)	(\$362)	\$113	(\$1,924)	\$290	(\$409)	(\$106)	\$100	\$419	(\$129)	(\$141)	\$288	(\$2,008)
Savings \$	\$9,231	\$17,881	\$25,016	\$9,392	\$25,954	\$18,971	\$16,011	\$6,485	\$7,870	\$9,352	\$8,010	\$9,620	\$163,793

Appendix B – Lighting M&V Data

Lighting M & V Savings Summary

Building	Area	Projected Savings ¹				Actual Savings ²				Excess or (Shortfall)				
		Electricity		Natural Gas		Electricity		Natural Gas		Electricity		Natural Gas		%
		KWH	\$	MCF	\$	KWH	\$	MCF	\$	KWH	\$	MCF	\$	\$
Blake Elementary	Interior	77,496	9,687	(44)	(232)	95,539	11,942	(51)	(264)	18,043	\$2,255	(6)	(\$32)	123.5%
	Exterior	15,200	1,900			14,979	1,872			(221)	(\$28)	0	\$0	98.5%
	Total	92,696	\$11,587	(44)	(\$232)	110,518	\$13,815	(51)	(\$264)	17,822	\$2,228	(6)	(\$32)	119.3%
Board Office	Interior	18,525	2,186	(8)	(53)	21,481	2,535	(11)	(74)	2,955	\$349	(3)	(\$21)	115.4%
	Exterior	11,771	1,389			10,177	1,201			(1,594)	(\$188)	0	\$0	86.5%
	Total	30,297	\$3,575	(8)	(\$53)	31,658	\$3,736	(11)	(\$74)	1,362	\$161	(3)	(\$21)	104.0%
Bus Garage	Interior	16,305	2,136	(13)	(91)	25,503	3,341	(14)	(101)	9,197	\$1,205	(1)	(\$10)	158.4%
	Exterior	45,542	5,966			32,630	4,275			(12,912)	(\$1,691)	0	\$0	71.6%
	Total	61,847	\$8,102	(13)	(\$91)	58,133	\$7,615	(14)	(\$101)	3,714	(\$487)	(1)	(\$10)	93.8%
Claggett Middle School	Interior	108,348	12,460	(61)	(430)	98,533	11,331	(52)	(367)	(9,815)	(\$1,129)	9	\$63	91.1%
	Exterior	6,357	731			7,884	907			1,527	\$176	0	\$0	124.0%
	Total	114,704	\$13,191	(61)	(\$430)	106,417	\$12,238	(52)	(\$367)	(8,288)	(\$953)	9	\$63	93.0%
Ella Canavan Elementary	Interior	54,744	7,686	(29)	(204)	53,598	7,525	(28)	(200)	(1,146)	(\$161)	1	\$4	97.9%
	Exterior	12,863	1,806			19,803	2,780			6,940	\$974	0	\$0	153.9%
	Total	67,607	\$9,492	(29)	(\$204)	73,400	\$10,305	(28)	(\$200)	5,794	\$813	1	\$4	108.8%
Fenn Elementary	Interior	30,377	3,463	(16)	(80)	30,177	3,440	(16)	(78)	(200)	(\$23)	1	\$2	99.4%
	Exterior	5,482	625			5,891	672			408	\$47	0	\$0	107.4%
	Total	35,860	\$4,088	(16)	(\$80)	36,067	\$4,112	(16)	(\$78)	208	\$24	1	\$2	100.7%
Garfield Elementary	Interior	52,443	6,031	(28)	(138)	55,741	6,410	(30)	(144)	3,297	\$379	(1)	(\$6)	106.3%
	Exterior	2,478	285			2,436	280			(43)	(\$5)	0	\$0	98.3%
	Total	54,922	\$6,316	(28)	(\$138)	58,176	\$6,690	(30)	(\$144)	3,254	\$374	(1)	(\$6)	106.0%
Heritage Elementary	Interior	59,316	6,940	(32)	(225)	61,804	7,231	(33)	(230)	2,488	\$291	(1)	(\$5)	104.3%
	Exterior	4,342	508			4,076	477			(265)	(\$31)	0	\$0	93.9%
	Total	63,658	\$7,448	(32)	(\$225)	65,881	\$7,708	(33)	(\$230)	2,222	\$260	(1)	(\$5)	103.5%
Medina High School	Interior	341,596	32,110	(182)	(762)	277,417	26,077	(147)	(616)	(64,179)	(\$6,033)	35	\$146	81.2%
	Exterior	263,989	24,815			305,658	28,722			41,569	\$3,907	0	\$0	115.7%
	Total	605,585	\$56,925	(182)	(\$762)	582,975	\$54,800	(147)	(\$616)	(22,610)	(\$2,125)	35	\$146	96.5%
Recreation Center Pools and Fieldhouse	Interior	93,085	8,750	(50)	(208)	163,635	15,382	(87)	(363)	70,550	\$6,632	(37)	(\$155)	175.8%
	Exterior													
	Total	93,085	\$8,750	(50)	(\$208)	163,635	\$15,382	(87)	(\$363)	70,550	\$6,632	(37)	(\$155)	175.8%
H.S. Hallway Downlights	Interior	83,851	7,882	(45)	(187)	69,738	6,555	(37)	(155)	(14,113)	(\$1,327)	8	\$32	83.2%
	Exterior													
	Total	83,851	\$7,882	(45)	(\$187)	69,738	\$6,555	(37)	(\$155)	(14,113)	(\$1,327)	8	\$32	83.2%
Maintenance Shop	Interior	16,110	1,756	(10)	(71)	14,958	1,630	(8)	(56)	(1,152)	(\$126)	2	\$15	93.4%
	Exterior	2,220	242			1,499	163			(721)	(\$79)	0	\$0	67.5%
	Total	18,330	\$1,998	(10)	(\$71)	16,458	\$1,794	(8)	(\$56)	(1,873)	(\$204)	2	\$15	90.2%
Northrop Elementary	Interior	69,411	10,134	(38)	(244)	80,294	11,723	(43)	(276)	10,883	\$1,589	(5)	(\$32)	115.7%
	Exterior	31,986	4,670			35,350	5,161			3,363	\$491	0	\$0	110.5%
	Total	101,397	\$14,804	(38)	(\$244)	115,643	\$16,884	(43)	(\$276)	14,246	\$2,080	(5)	(\$32)	114.1%
Root Middle School	Interior	148,977	19,814	(82)	(398)	147,811	19,659	(78)	(381)	(1,166)	(\$155)	3	\$17	99.3%
	Exterior	36,677	4,878			36,626	4,871			(51)	(\$7)	0	\$0	99.9%
	Total	185,654	\$24,692	(82)	(\$398)	184,437	\$24,530	(78)	(\$381)	(1,217)	(\$162)	3	\$17	99.4%
Waite Elementary	Interior	68,939	10,134	(38)	(244)	69,040	10,149	(37)	(238)	101	\$15	1	\$6	100.2%
	Exterior	32,027	4,708			36,138	5,312			4,110	\$604	0	\$0	112.8%
	Total	100,966	\$14,842	(38)	(\$244)	105,178	\$15,461	(37)	(\$238)	\$619	\$1	1	\$6	104.3%
Added Exterior Lighting Scope	Interior					31,114	\$2,909			31,114	\$2,909			
	Exterior													
	Total	0	\$0	0	\$0	31,114	\$2,909	0	\$0	31,114	\$2,909			
All Buildings	TOTAL	Projected Savings ¹				Actual Savings ²				Excess or (Shortfall)				
		Electricity		Natural Gas		Electricity		Natural Gas		Electricity		Natural Gas		%
		KWH	\$	MCF	\$	KWH	\$	MCF	\$	KWH	\$	MCF	\$	\$
		1,710,460	\$193,692	-676	-3,567	1,809,428	\$204,534	-671	-3,543	98,968	\$10,842	4	\$24	105.7%