



# Energy Savings Program YEAR END SAVINGS REPORT

October 25, 2013

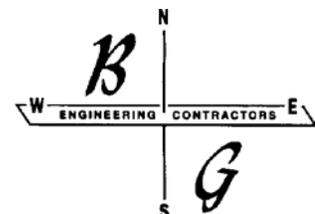
Corrected 7/8/2016

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**Section 1: Overview**

The Brewer-Garrett Company is pleased to present the results for **Performance Year One** of the Xenia Local Schools Energy Savings Program. PY1

Xenia Local Schools (Xenia) and The Brewer-Garrett Company have worked diligently to implement energy conservation measures designed to save Xenia both utility and operational dollars.

The Energy Savings Program was installed in 2011. The projected savings for **Performance Year One** is \$168,655 in total energy and operational savings.

**The savings achieved by Xenia Local Schools for Performance Year One of the Energy Savings Program are \$246,562.** Per BG PY1 includes savings in installation period.

**Section 2: Performance History**

Performance History for the Xenia Local Schools Energy Savings Program

| Performance Period | Projected Savings (\$) | Actual Savings (\$) | Cumulative Projected Savings (\$) | Cumulative Actual Savings (\$) |
|--------------------|------------------------|---------------------|-----------------------------------|--------------------------------|
|                    | ----                   |                     |                                   |                                |
| Year 1             | \$168,655              | \$246,562           | \$168,655                         | \$246,562                      |
| Year 2             | \$168,655              |                     | \$337,310                         |                                |
| Year 3             | \$168,655              |                     | \$505,965                         |                                |
| Year 4             | \$168,655              |                     | \$674,620                         |                                |
| Year 5             | \$168,655              |                     | \$843,275                         |                                |
| Year 6             | \$168,655              |                     | \$1,011,930                       |                                |
| Year 7             | \$168,655              |                     | \$1,180,585                       |                                |
| Year 8             | \$168,655              |                     | \$1,349,240                       |                                |
| Year 9             | \$168,655              |                     | \$1,517,895                       |                                |
| Year 10            | \$168,655              |                     | \$1,686,550                       |                                |
| Year 11            | \$168,655              |                     | \$1,855,205                       |                                |
| Year 12            | \$168,655              |                     | \$2,023,860                       |                                |
| Year 13            | \$168,655              |                     | \$2,192,515                       |                                |
| Year 14            | \$168,655              |                     | \$2,361,170                       |                                |
| Year 15            | \$168,655              |                     | \$2,529,825                       |                                |
| Total              | \$2,529,825            |                     |                                   |                                |

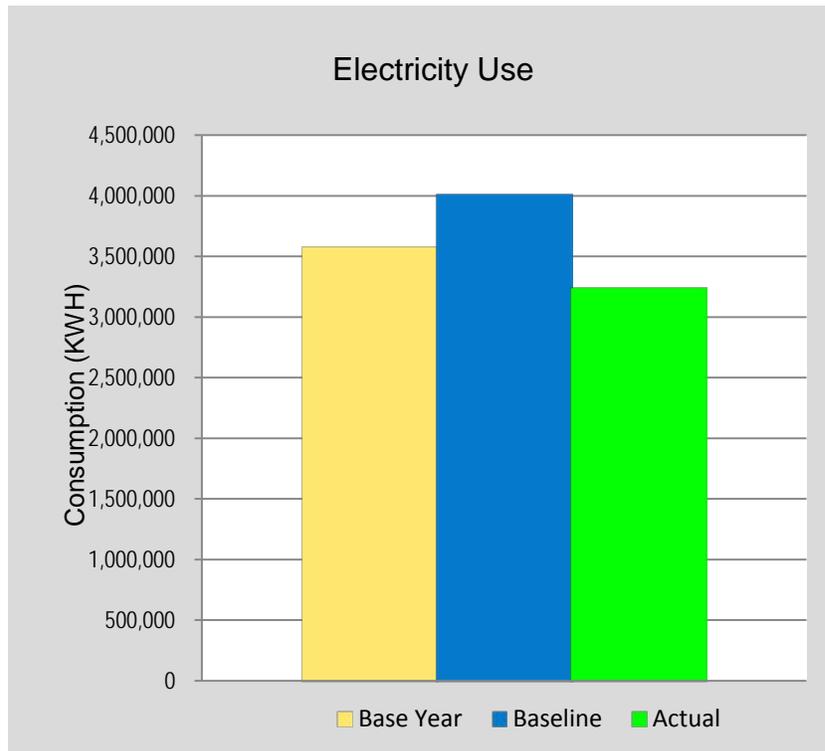
**Section 3: Electric Savings**

Several projects implemented as part of the Xenia Local Schools Energy Savings Program were projected to achieve electric savings. These projects include a) gymnasium lighting retrofits, b) rooftop unit replacements, and c) building automation upgrades.

Combined electricity use in all of the Xenia Local Schools that were affected by Brewer-Garrett is summarized in Figure 4a. The Base Year, Baseline and Actual total usage during are shown side-by-side for comparison.

Units of electricity saved are equal to the Baseline Kwh minus Actual Kwj, where the Baseline is the Base Year adjusted for time, weather and events.

For Performance Year One, the overall electric usage in schools affected by the Energy Savings Program has been reduced by 1,819,947 KWH resulting in \$181,995 in savings to Xenia.



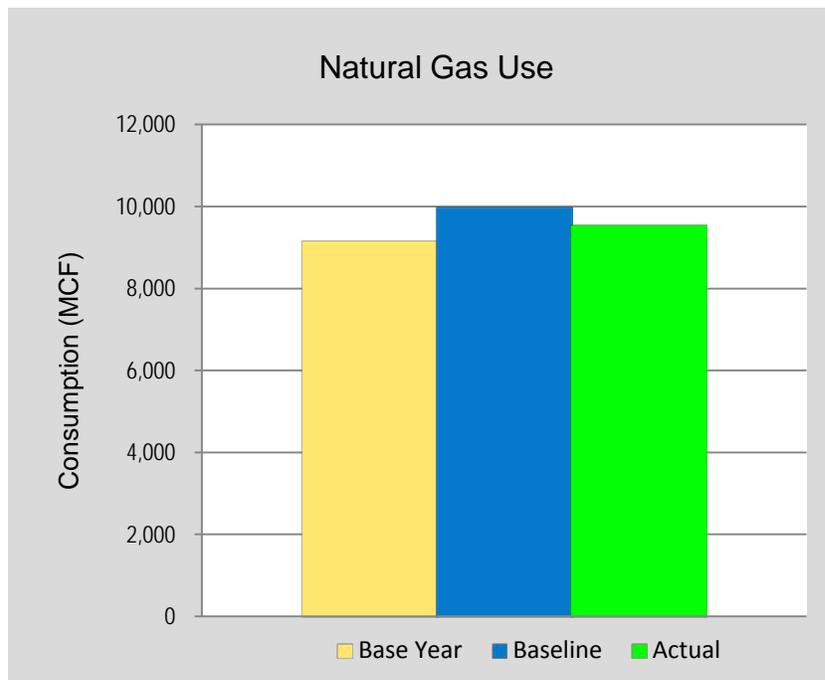
**Figure 4a**

**Section 4: Natural Gas Savings**

Several projects implemented as part of the Xenia Local Schools Energy Savings Program were projected to result in natural gas savings. These projects include a) rooftop unit replacement, b) boiler replacement and c) steam trap repairs.

Units of natural gas saved are equal to the Baseline MCF minus Actual MCF, where the Baseline is the Base Year adjusted for time, weather and events.

Combined natural gas use in all of the Xenia Local Schools that were affected by Brewer-Garrett is summarized in Figure 5a. The Base Year, Baseline and Actual total usage during Performance Year One are shown side-by-side for comparison.



**Figure 5a**

For Performance Year One, the overall natural gas usage has decreased by 1,444 MCF. This is a savings of \$15,605 to Xenia.

**Section 5: Operational Savings**

The total amount of annual savings claimed for the Xenia City School District house bill 264 is \$48,962 annually, which works out to 28.74% of their total estimated savings. Details are shown in Table 6a below

The operational savings are included in Performance Year One.

| ECM                       | Annual Savings | Operational Lifespan                    | Annual Savings Amortized over 15 years |
|---------------------------|----------------|---|--|
| Rooftop Units             | \$39,615       | 15 years                                | \$39,615                               |
| Steam Boilers             | \$6,300        | 25 years                                | \$6,300                                |
| Tridium Controls          | \$2,554        | 15 years                                | \$2,554                                |
| Lighting fixtures & Lamps | \$493          | Fixtures – 25 years<br>Lamps – 5 Years* | \$493                                  |

**Table 6a**

**Section 6: 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.

McKinley Elementary School is now serving as the Board of Education office.

No other building changes have been identified by Xenia during Performance Year One.

**APPENDIX**

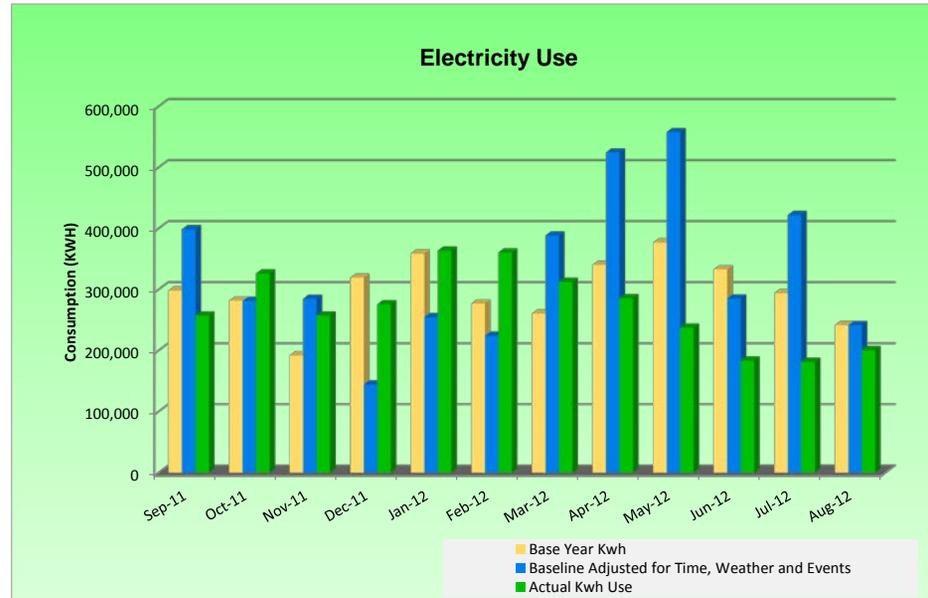
## Xenia Local School District

### Electricity Summary - Performance Year One - Install

|  |                    |     |
|--|--------------------|-----|
| Electricity Used In Base Year            | 3,573,200          | KWH |
| Adjustments for Time, Weather and Events | 212,016            | KWH |
| Baseline Usage for Installation Period   | 3,785,216          | KWH |
| Actual Usage During Installation Period  | 2,731,520          | KWH |
|  | <3,241,440 for PY1 |     |

|                        |                  |
|------------------------|------------------|
| <b>Total Kwh Saved</b> | <b>1,053,696</b> |
|------------------------|------------------|

|                            |                  |
|----------------------------|------------------|
| <b>Total Dollars Saved</b> | <b>\$105,370</b> |
|----------------------------|------------------|



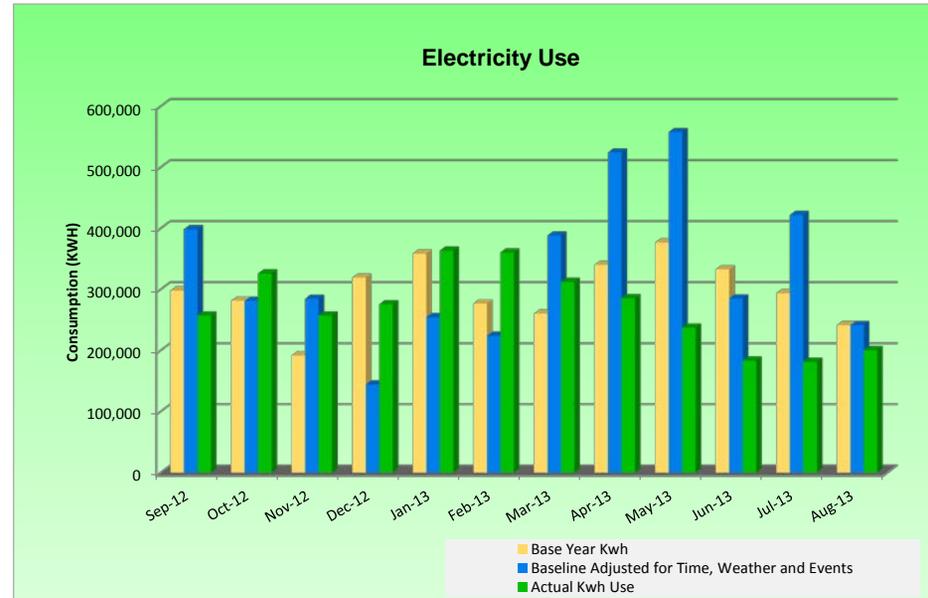
## Xenia Local School District

### Electricity Summary - Performance Year One

|  |           |     |
|--|-----------|-----|
| Electricity Used In Base Year            | 3,573,200 | KWH |
| Adjustments for Time, Weather and Events | 434,491   | KWH |
| Baseline Usage for Performance Year 1    | 4,007,691 | KWH |
| Actual Usage During Performance Year 1   | 3,241,440 | KWH |

|                        |                |
|------------------------|----------------|
| <b>Total Kwh Saved</b> | <b>766,251</b> |
|------------------------|----------------|

|                            |                 |
|----------------------------|-----------------|
| <b>Total Dollars Saved</b> | <b>\$76,625</b> |
|----------------------------|-----------------|



# Xenia Local School District

## Electricity Savings - Performance Year One - Install

### Electricity Base Year Units KWH

| Kwh                   | September      | October        | November       | December       | January        | February       | March          | April          | May            | June           | July           | August         | Total            |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| High School           | 170,800        | 130,000        | 78,400         | 182,400        | 168,000        | 150,000        | 136,000        | 190,400        | 203,200        | 195,200        | 157,600        | 116,800        | 1,878,800        |
| Warner Middle School  | 49,440         | 37,920         | 28,320         | 27,360         | 74,880         | 41,520         | 43,440         | 47,040         | 48,960         | 20,160         | 49,920         | 40,800         | 509,760          |
| Central Middle School | 51,600         | 56,160         | 66,000         | 46,320         | 65,760         | 62,400         | 50,640         | 70,080         | 88,560         | 78,720         | 54,000         | 51,600         | 741,840          |
| McKinley Elementary   | 26,400         | 57,360         | 19,200         | 63,360         | 50,160         | 23,040         | 30,480         | 32,880         | 36,240         | 38,880         | 32,400         | 32,400         | 442,800          |
| <b>Total Kwh</b>      | <b>298,240</b> | <b>281,440</b> | <b>191,920</b> | <b>319,440</b> | <b>358,800</b> | <b>276,960</b> | <b>260,560</b> | <b>340,400</b> | <b>376,960</b> | <b>332,960</b> | <b>293,920</b> | <b>241,600</b> | <b>3,573,200</b> |

### Electricity Baseline Units KWH

| Kwh                   | Sep-11         | Oct-11         | Nov-11         | Dec-11         | Jan-12         | Feb-12         | Mar-12         | Apr-12         | May-12         | Jun-12         | Jul-12         | Aug-12         | Total            |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| High School           | 181,311        | 130,000        | 88,328         | 127,813        | 115,102        | 89,735         | 54,251         | 278,854        | 311,474        | 206,281        | 267,675        | 147,081        | 1,997,906        |
| Warner Middle School  | 52,482         | 37,920         | 31,906         | 19,172         | 51,303         | 24,839         | 17,329         | 68,893         | 75,048         | 21,304         | 84,787         | 51,378         | 536,361          |
| Central Middle School | 54,775         | 56,160         | 74,358         | 32,458         | 45,054         | 37,330         | 20,201         | 102,637        | 135,749        | 83,189         | 91,716         | 64,978         | 798,604          |
| McKinley Elementary   | 28,025         | 57,360         | 21,631         | 44,398         | 34,366         | 13,783         | 12,159         | 48,155         | 55,550         | 41,087         | 55,030         | 40,800         | 452,345          |
| <b>Total Kwh</b>      | <b>316,593</b> | <b>281,440</b> | <b>216,224</b> | <b>223,841</b> | <b>245,825</b> | <b>165,686</b> | <b>103,939</b> | <b>498,539</b> | <b>577,822</b> | <b>351,862</b> | <b>499,208</b> | <b>304,237</b> | <b>3,785,216</b> |

### Electricity Actual Units KWH

| Kwh                   | Sep-11         | Oct-11         | Nov-11         | Dec-11         | Jan-12         | Feb-12         | Mar-12         | Apr-12         | May-12         | Jun-12         | Jul-12         | Aug-12         | Total            |
|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| High School           | 126000         | 102800         | 112800         | 102400         | 176400         | 153200         | 124800         | 98800          | 122800         | 61200          | 76800          | 96400          | 1,354,400        |
| Warner Middle School  | 55200          | 47040          | 49680          | 44880          | 50640          | 50160          | 47760          | 41280          | 49920          | 24240          | 35280          | 43200          | 539,280          |
| Central Middle School | 36480          | 35760          | 55680          | 63840          | 57360          | 81600          | 74400          | 38400          | 37440          | 30240          | 25920          | 22560          | 559,680          |
| McKinley Elementary   | 35520          | 31680          | 24720          | 22800          | 21360          | 22080          | 21840          | 22320          | 33120          | 13200          | 7920           | 21600          | 278,160          |
| <b>Total Kwh</b>      | <b>253,200</b> | <b>217,280</b> | <b>242,880</b> | <b>233,920</b> | <b>305,760</b> | <b>307,040</b> | <b>268,800</b> | <b>200,800</b> | <b>243,280</b> | <b>128,880</b> | <b>145,920</b> | <b>183,760</b> | <b>2,731,520</b> |

### Electricity Units Savings

| Kwh                   | Sep-11        | Oct-11        | Nov-11         | Dec-11         | Jan-12         | Feb-12          | Mar-12          | Apr-12         | May-12         | Jun-12         | Jul-12         | Aug-12         | Total            |
|-----------------------|---------------|---------------|----------------|----------------|----------------|-----------------|-----------------|----------------|----------------|----------------|----------------|----------------|------------------|
| High School           | 55,311        | 27,200        | -24,472        | 25,413         | -61,298        | -63,465         | -70,549         | 180,054        | 188,674        | 145,081        | 190,875        | 50,681         | 643,506          |
| Warner Middle School  | -2,718        | -9,120        | -17,774        | -25,708        | 663            | -25,321         | -30,431         | 27,613         | 25,128         | -2,936         | 49,507         | 8,178          | -2,919           |
| Central Middle School | 18,295        | 20,400        | 18,678         | -31,382        | -12,306        | -44,270         | -54,199         | 64,237         | 98,309         | 52,949         | 65,796         | 42,418         | 238,924          |
| McKinley Elementary   | -7,495        | 25,680        | -3,089         | 21,598         | 13,006         | -8,297          | -9,681          | 25,835         | 22,430         | 27,887         | 47,110         | 19,200         | 174,185          |
| <b>Total Kwh</b>      | <b>63,393</b> | <b>64,160</b> | <b>-26,656</b> | <b>-10,079</b> | <b>-59,935</b> | <b>-141,354</b> | <b>-164,861</b> | <b>297,739</b> | <b>334,542</b> | <b>222,982</b> | <b>353,288</b> | <b>120,477</b> | <b>1,053,696</b> |

# Xenia Local School District

## Electricity Savings - Performance Year One

### Electricity Base Year Units KWH

| Kwh              |                       | September      | October        | November       | December       | January        | February       | March          | April          | May            | June           | July           | August         | Total            |
|------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
|                  | High School           | 170,800        | 130,000        | 78,400         | 182,400        | 168,000        | 150,000        | 136,000        | 190,400        | 203,200        | 195,200        | 157,600        | 116,800        | 1,878,800        |
|                  | Warner Middle School  | 49,440         | 37,920         | 28,320         | 27,360         | 74,880         | 41,520         | 43,440         | 47,040         | 48,960         | 20,160         | 49,920         | 40,800         | 509,760          |
|                  | Central Middle School | 51,600         | 56,160         | 66,000         | 46,320         | 65,760         | 62,400         | 50,640         | 70,080         | 88,560         | 78,720         | 54,000         | 51,600         | 741,840          |
|                  | McKinley Elementary   | 26,400         | 57,360         | 19,200         | 63,360         | 50,160         | 23,040         | 30,480         | 32,880         | 36,240         | 38,880         | 32,400         | 32,400         | 442,800          |
| <b>Total Kwh</b> |                       | <b>298,240</b> | <b>281,440</b> | <b>191,920</b> | <b>319,440</b> | <b>358,800</b> | <b>276,960</b> | <b>260,560</b> | <b>340,400</b> | <b>376,960</b> | <b>332,960</b> | <b>293,920</b> | <b>241,600</b> | <b>3,573,200</b> |

### Electricity Baseline Units KWH

| Kwh              |                       | Sep-12         | Oct-12         | Nov-12         | Dec-12         | Jan-13         | Feb-13         | Mar-13         | Apr-13         | May-13         | Jun-13         | Jul-13         | Aug-13         | Total            |
|------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
|                  | High School           | 228,352        | 130,000        | 116,388        | 82,477         | 119,210        | 121,353        | 202,699        | 293,319        | 300,670        | 167,314        | 226,264        | 116,800        | 2,104,846        |
|                  | Warner Middle School  | 66,099         | 37,920         | 42,042         | 12,371         | 53,134         | 33,591         | 64,744         | 72,467         | 72,445         | 17,280         | 71,669         | 40,800         | 584,563          |
|                  | Central Middle School | 68,987         | 56,160         | 97,979         | 20,945         | 46,662         | 50,483         | 75,476         | 107,961        | 131,040        | 67,474         | 77,527         | 51,600         | 852,294          |
|                  | McKinley Elementary   | 35,296         | 57,360         | 28,503         | 28,650         | 35,593         | 18,640         | 45,428         | 50,653         | 53,623         | 33,326         | 46,516         | 32,400         | 465,988          |
| <b>Total Kwh</b> |                       | <b>398,734</b> | <b>281,440</b> | <b>284,912</b> | <b>144,442</b> | <b>254,599</b> | <b>224,067</b> | <b>388,348</b> | <b>524,400</b> | <b>557,778</b> | <b>285,394</b> | <b>421,976</b> | <b>241,600</b> | <b>4,007,691</b> |

### Electricity Actual Units KWH

| Kwh              |                       | Sep-12         | Oct-12         | Nov-12         | Dec-12         | Jan-13         | Feb-13         | Mar-13         | Apr-13         | May-13         | Jun-13         | Jul-13         | Aug-13         | Total            |
|------------------|-----------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|
|                  | High School           | 128800         | 127600         | 133600         | 140000         | 205200         | 197200         | 169200         | 161600         | 134800         | 81200          | 82400          | 96400          | 1,658,000        |
|                  | Warner Middle School  | 62400          | 127600         | 49200          | 45840          | 49920          | 49440          | 51360          | 52560          | 59760          | 37200          | 44400          | 51120          | 680,800          |
|                  | Central Middle School | 38400          | 37200          | 44880          | 61200          | 79920          | 87360          | 67680          | 68400          | 39120          | 36960          | 23760          | 24000          | 608,880          |
|                  | McKinley Elementary   | 27840          | 33840          | 29520          | 28560          | 28560          | 26640          | 24000          | 3120           | 3840           | 27840          | 30960          | 29040          | 293,760          |
| <b>Total Kwh</b> |                       | <b>257,440</b> | <b>326,240</b> | <b>257,200</b> | <b>275,600</b> | <b>363,600</b> | <b>360,640</b> | <b>312,240</b> | <b>285,680</b> | <b>237,520</b> | <b>183,200</b> | <b>181,520</b> | <b>200,560</b> | <b>3,241,440</b> |

### Electricity Units Savings

| Kwh              |                       | Sep-12         | Oct-12         | Nov-12        | Dec-12          | Jan-13          | Feb-13          | Mar-13        | Apr-13         | May-13         | Jun-13         | Jul-13         | Aug-13        | Total          |
|------------------|-----------------------|----------------|----------------|---------------|-----------------|-----------------|-----------------|---------------|----------------|----------------|----------------|----------------|---------------|----------------|
|                  | High School           | 99,552         | 2,400          | -17,212       | -57,523         | -85,990         | -75,847         | 33,499        | 131,719        | 165,870        | 86,114         | 143,864        | 20,400        | 446,846        |
|                  | Warner Middle School  | 3,699          | -89,680        | -7,158        | -33,469         | 3,214           | -15,849         | 13,384        | 19,907         | 12,685         | -19,920        | 27,269         | -10,320       | -96,237        |
|                  | Central Middle School | 30,587         | 18,960         | 53,099        | -40,255         | -33,258         | -36,877         | 7,796         | 39,561         | 91,920         | 30,514         | 53,767         | 27,600        | 243,414        |
|                  | McKinley Elementary   | 7,456          | 23,520         | -1,017        | 90              | 7,033           | -8,000          | 21,428        | 47,533         | 49,783         | 5,486          | 15,556         | 3,360         | 172,228        |
| <b>Total Kwh</b> |                       | <b>141,294</b> | <b>-44,800</b> | <b>27,712</b> | <b>-131,158</b> | <b>-109,001</b> | <b>-136,573</b> | <b>76,108</b> | <b>238,720</b> | <b>320,258</b> | <b>102,194</b> | <b>240,456</b> | <b>41,040</b> | <b>766,251</b> |

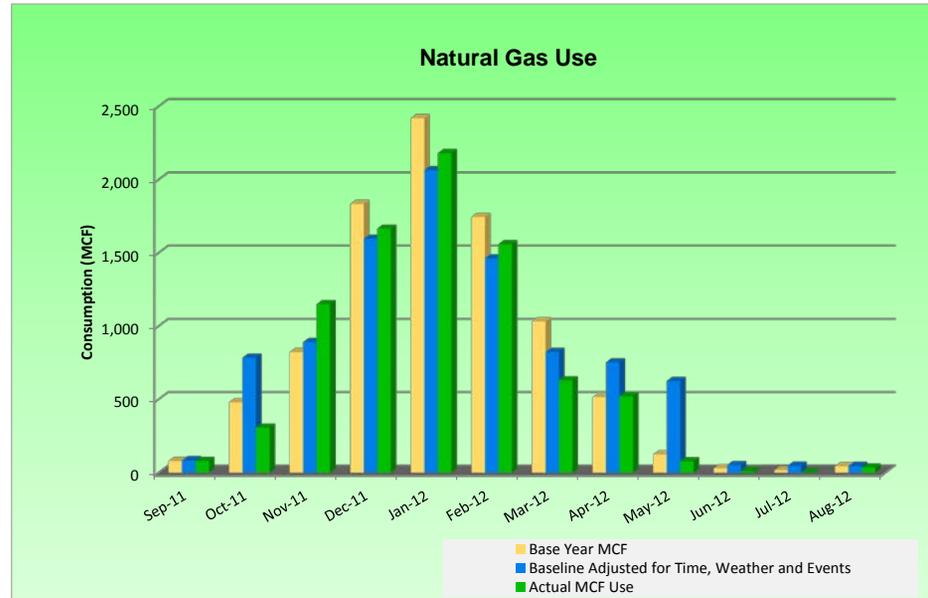
## Xenia Local School District

### Natural Gas Summary - Performance Year One - Install

|  |       |     |
|--|-------|-----|
| Natural Gas Used In Base Year            | 9,139 | MCF |
| Adjustments for Time, Weather and Events | 89    | MCF |
| Baseline Usage for Installation Period   | 9,228 | MCF |
| Actual Usage During Performance Year 1   | 8,213 | MCF |

|                        |              |
|------------------------|--------------|
| <b>Total MCF Saved</b> | <b>1,015</b> |
|------------------------|--------------|

|                            |                 |
|----------------------------|-----------------|
| <b>Total Dollars Saved</b> | <b>\$10,969</b> |
|----------------------------|-----------------|



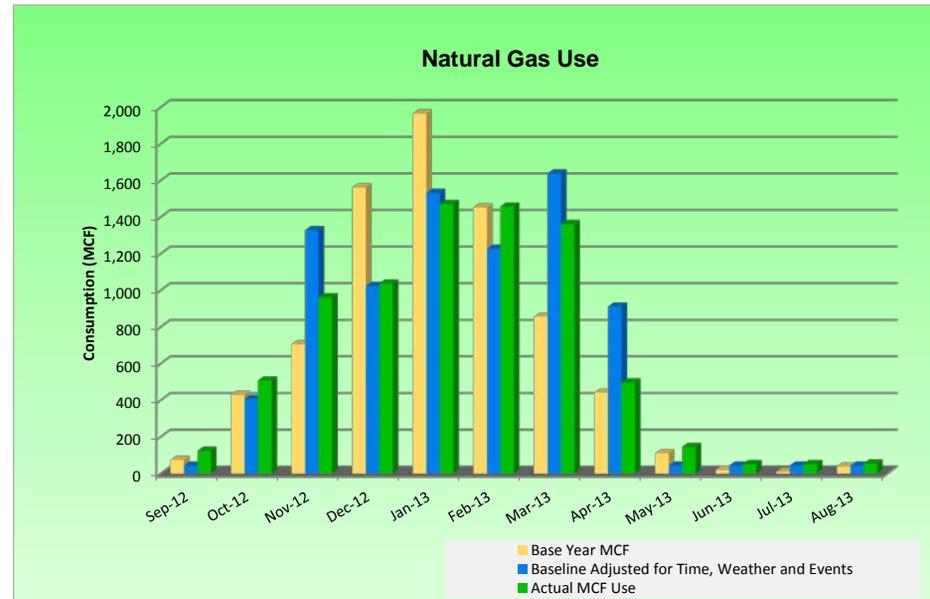
## Xenia Local School District

### Natural Gas Summary - Performance Year One

|  |       |     |
|--|-------|-----|
| Natural Gas Used In Base Year            | 9,139 | MCF |
| Adjustments for Time, Weather and Events | 826   | MCF |
| Baseline Usage for Performance Year 1    | 9,965 | MCF |
| Actual Usage During Performance Year 1   | 9,536 | MCF |

|                        |            |
|------------------------|------------|
| <b>Total MCF Saved</b> | <b>429</b> |
|------------------------|------------|

|                            |                |
|----------------------------|----------------|
| <b>Total Dollars Saved</b> | <b>\$4,636</b> |
|----------------------------|----------------|



# Xenia Local School District

## Natural Gas Savings - Performance Year One - Install

### Natural Gas Base Year Units MCF

| MCF                 | September | October    | November   | December     | January      | February     | March        | April      | May        | June      | July      | August    | Total        |
|---------------------|-----------|------------|------------|--------------|--------------|--------------|--------------|------------|------------|-----------|-----------|-----------|--------------|
| High School         | 41        | 81         | 132        | 426          | 571          | 361          | 211          | 85         | 52         | 11        | 0         | 15        | 1,985        |
| Warner Middle       | 28        | 199        | 376        | 642          | 949          | 666          | 387          | 230        | 48         | 7         | 8         | 23        | 3,561        |
| Central Middle      | 5         | 150        | 198        | 495          | 445          | 427          | 259          | 127        | 11         | 2         | 2         | 1         | 2,122        |
| McKinley Elementary | 6         | 50         | 116        | 271          | 454          | 292          | 176          | 71         | 14         | 10        | 7         | 5         | 1,471        |
| <b>Total MCF</b>    | <b>80</b> | <b>480</b> | <b>823</b> | <b>1,834</b> | <b>2,419</b> | <b>1,745</b> | <b>1,032</b> | <b>514</b> | <b>124</b> | <b>30</b> | <b>16</b> | <b>44</b> | <b>9,139</b> |

### Natural Gas Baseline Units MCF

| Savings              | Sep-11    | Oct-11     | Nov-11     | Dec-11       | Jan-12       | Feb-12       | Mar-12     | Apr-12     | May-12     | Jun-12    | Jul-12    | Aug-12    | Total        |
|----------------------|-----------|------------|------------|--------------|--------------|--------------|------------|------------|------------|-----------|-----------|-----------|--------------|
| High School          | 43        | 161        | 149        | 332          | 439          | 262          | 138        | 144        | 578        | 17        | 17        | 17        | 2,297        |
| Warner Middle        | 30        | 423        | 427        | 499          | 727          | 481          | 250        | 410        | 23         | 23        | 23        | 23        | 3,337        |
| Central Middle       | 5         | 150        | 198        | 495          | 445          | 427          | 259        | 127        | 11         | 2         | 2         | 1         | 2,122        |
| McKinley Elementary  | 6         | 50         | 116        | 271          | 454          | 292          | 176        | 71         | 14         | 10        | 7         | 5         | 1,471        |
| <b>Total Cost \$</b> | <b>84</b> | <b>784</b> | <b>890</b> | <b>1,597</b> | <b>2,065</b> | <b>1,462</b> | <b>823</b> | <b>753</b> | <b>625</b> | <b>51</b> | <b>48</b> | <b>46</b> | <b>9,228</b> |

### Natural Gas Actual Units MCF

| MCF                 | Sep-11    | Oct-11     | Nov-11       | Dec-11       | Jan-12       | Feb-12       | Mar-12     | Apr-12     | May-12    | Jun-12    | Jul-12   | Aug-12    | Total        |
|---------------------|-----------|------------|--------------|--------------|--------------|--------------|------------|------------|-----------|-----------|----------|-----------|--------------|
| High School         | 41        | 127        | 239          | 374          | 478          | 346          | 119        | 87         | 34        | 0         | 0        | 12        | 1,857        |
| Warner Middle       | 26        | 101        | 488          | 712          | 940          | 656          | 280        | 236        | 31        | 9         | 1        | 17        | 3,497        |
| Central Middle      | 6         | 22         | 213          | 229          | 346          | 267          | 116        | 91         | 7         | 1         | 1        | 3         | 1,302        |
| McKinley Elementary | 6         | 57         | 209          | 350          | 416          | 290          | 115        | 107        | 5         | 0         | 0        | 2         | 1,557        |
| <b>Total MCF</b>    | <b>79</b> | <b>307</b> | <b>1,149</b> | <b>1,665</b> | <b>2,180</b> | <b>1,559</b> | <b>630</b> | <b>521</b> | <b>77</b> | <b>10</b> | <b>2</b> | <b>34</b> | <b>8,213</b> |

### Natural Gas Units Savings

| MCF                 | Sep-11   | Oct-11     | Nov-11      | Dec-11     | Jan-12      | Feb-12     | Mar-12     | Apr-12     | May-12     | Jun-12    | Jul-12    | Aug-12    | Total        |
|---------------------|----------|------------|-------------|------------|-------------|------------|------------|------------|------------|-----------|-----------|-----------|--------------|
| High School         | 2        | 34         | -90         | -42        | -39         | -84        | 19         | 57         | 544        | 17        | 17        | 5         | 440          |
| Warner Middle       | 4        | 322        | -61         | -213       | -213        | -175       | -30        | 174        | -8         | 14        | 22        | 6         | -160         |
| Central Middle      | -1       | 128        | -15         | 266        | 99          | 160        | 143        | 36         | 4          | 1         | 1         | -2        | 820          |
| McKinley Elementary | -1       | -7         | -93         | -79        | 38          | 2          | 61         | -36        | 9          | 10        | 7         | 3         | -86          |
| <b>Total MCF</b>    | <b>5</b> | <b>477</b> | <b>-259</b> | <b>-68</b> | <b>-115</b> | <b>-97</b> | <b>193</b> | <b>232</b> | <b>548</b> | <b>41</b> | <b>46</b> | <b>12</b> | <b>1,015</b> |

# Xenia Local School District

## Natural Gas Savings - Performance Year One

### Natural Gas Base Year Units MCF

|                     | September | October    | November   | December     | January      | February     | March        | April      | May        | June      | July      | August    | Total        |
|---------------------|-----------|------------|------------|--------------|--------------|--------------|--------------|------------|------------|-----------|-----------|-----------|--------------|
| <b>MCF</b>          |           |            |            |              |              |              |              |            |            |           |           |           |              |
| High School         | 41        | 81         | 132        | 426          | 571          | 361          | 211          | 85         | 52         | 11        | 0         | 15        | 1,985        |
| Warner Middle       | 28        | 199        | 376        | 642          | 949          | 666          | 387          | 230        | 48         | 7         | 8         | 23        | 3,561        |
| Central Middle      | 5         | 150        | 198        | 495          | 445          | 427          | 259          | 127        | 11         | 2         | 2         | 1         | 2,122        |
| McKinley Elementary | 6         | 50         | 116        | 271          | 454          | 292          | 176          | 71         | 14         | 10        | 7         | 5         | 1,471        |
| <b>Total MCF</b>    | <b>80</b> | <b>480</b> | <b>823</b> | <b>1,834</b> | <b>2,419</b> | <b>1,745</b> | <b>1,032</b> | <b>514</b> | <b>124</b> | <b>30</b> | <b>16</b> | <b>44</b> | <b>9,139</b> |

### Natural Gas Baseline Units MCF

|                      | Sep-12     | Oct-12     | Nov-12       | Dec-12       | Jan-13       | Feb-13       | Mar-13       | Apr-13       | May-13     | Jun-13    | Jul-13    | Aug-13    | Total        |
|----------------------|------------|------------|--------------|--------------|--------------|--------------|--------------|--------------|------------|-----------|-----------|-----------|--------------|
| <b>Savings</b>       |            |            |              |              |              |              |              |              |            |           |           |           |              |
| High School          | 55         | 77         | 240          | 281          | 447          | 306          | 397          | 165          | 77         | 9         | 0         | 17        | 2,071        |
| Warner Middle        | 37         | 189        | 708          | 423          | 740          | 563          | 737          | 474          | 70         | 6         | 12        | 23        | 3,982        |
| Central Middle       | 4          | 142        | 380          | 321          | 346          | 359          | 504          | 272          | 4          | 4         | 4         | 4         | 2,345        |
| McKinley Elementary  | 8          | 47         | 218          | 178          | 353          | 246          | 338          | 146          | 8          | 8         | 8         | 8         | 1,567        |
| <b>Total Cost \$</b> | <b>104</b> | <b>456</b> | <b>1,547</b> | <b>1,203</b> | <b>1,886</b> | <b>1,473</b> | <b>1,976</b> | <b>1,058</b> | <b>159</b> | <b>27</b> | <b>24</b> | <b>52</b> | <b>9,965</b> |

### Natural Gas Actual Units MCF

|                     | Sep-12     | Oct-12     | Nov-12       | Dec-12       | Jan-13       | Feb-13       | Mar-13       | Apr-13     | May-13     | Jun-13    | Jul-13    | Aug-13    | Total        |
|---------------------|------------|------------|--------------|--------------|--------------|--------------|--------------|------------|------------|-----------|-----------|-----------|--------------|
| <b>MCF</b>          |            |            |              |              |              |              |              |            |            |           |           |           |              |
| High School         | 67         | 115        | 265          | 201          | 398          | 387          | 354          | 138        | 61         | 29        | 29        | 31        | 2,075        |
| Warner Middle       | 52         | 258        | 536          | 660          | 825          | 855          | 814          | 280        | 71         | 20        | 20        | 22        | 4,413        |
| Central Middle      | 5          | 135        | 161          | 176          | 249          | 216          | 194          | 79         | 13         | 2         | 2         | 2         | 1,234        |
| McKinley Elementary | 22         | 104        | 229          | 247          | 360          | 378          | 365          | 94         | 4          | 0         | 5         | 6         | 1,814        |
| <b>Total MCF</b>    | <b>146</b> | <b>612</b> | <b>1,191</b> | <b>1,284</b> | <b>1,832</b> | <b>1,836</b> | <b>1,727</b> | <b>591</b> | <b>149</b> | <b>51</b> | <b>56</b> | <b>61</b> | <b>9,536</b> |

### Natural Gas Units Savings

|                     | Sep-12     | Oct-12      | Nov-12     | Dec-12     | Jan-13    | Feb-13      | Mar-13     | Apr-13     | May-13    | Jun-13     | Jul-13     | Aug-13    | Total      |
|---------------------|------------|-------------|------------|------------|-----------|-------------|------------|------------|-----------|------------|------------|-----------|------------|
| <b>MCF</b>          |            |             |            |            |           |             |            |            |           |            |            |           |            |
| High School         | -12        | -38         | -25        | 80         | 49        | -81         | 43         | 27         | 16        | -20        | -29        | -14       | -4         |
| Warner Middle       | -15        | -69         | 172        | -237       | -85       | -292        | -77        | 194        | -1        | -14        | -8         | 1         | -431       |
| Central Middle      | -1         | 7           | 219        | 145        | 97        | 143         | 310        | 193        | -9        | 2          | 2          | 2         | 1,111      |
| McKinley Elementary | -14        | -57         | -11        | -69        | -7        | -132        | -27        | 52         | 4         | 8          | 3          | 2         | -247       |
| <b>Total MCF</b>    | <b>-42</b> | <b>-156</b> | <b>356</b> | <b>-81</b> | <b>54</b> | <b>-363</b> | <b>249</b> | <b>467</b> | <b>10</b> | <b>-24</b> | <b>-32</b> | <b>-9</b> | <b>429</b> |