**M E M O R A N D U M**

**TO: Randy Poe, Superintendent**

**Mr. Ed Massey, Chairperson**

**Board Members**

**DATE: September 5, 2017**

**RE: Energy Management Report**

**Following for your review is an energy management update, which includes data through July of the current school year. Highlights of the report include:**

* + - **Savings in July utility costs of $12,888.22 as compared to the same period last year.**
    - **Credit of $13,891.64 from participation in the Duke Power Share program for the month of July.**
* **Another Boone County School was recently awarded the EPA ENERGY STAR certification! Please join me in congratulating RA Jones Middle School for this achievement! It is the first time ever for RAJ to receive this recognition. As you know, ENERGY STAR buildings are independently certified to use less energy and cause fewer emissions that contribute to climate change. ENERGY STAR buildings are easily recognizable by their label:**

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**Boone County Schools now have 11 schools recognized with this honor. We will be recognizing CEMS, EES, GMS and RAJ at the next board meeting in October for their Energy Star achievement.**

* **After implementing new District Set Hours of “unoccupied” settings for classrooms beginning at 3:30pm for middle and high schools and at 4:00pm for elementary schools in January – we saw a huge savings in costs. Compared to the same time periods of the previous school year - we saved $141,932.08 in costs!!**

**Eric McArtor**

**Chief Operating Officer/Deputy Superintendent**

**Boone County Schools Energy Management Update**

**Total Cost and Use:**

|  |  |  |  |
| --- | --- | --- | --- |
| **July** | **2017/2018 School Year** | **2016/2017 School Year** | **Difference** |
| Electric Cost | $223,611.33 | $238,550.92 | -$14,939.59 |
| Electric Use (kWh) | 2,551,929 | 2,753,358 | -201,429 |
|  |  |  |  |
| Gas Cost | $15,905.56 | $13,854.19 | $2,051.37 |
| Gas Use (CCF) | 19,125 | 18,784 | 341 |
|  |  |  |  |
| Total Utility Cost | $239,516.89 | $252,405.11 | **-$12,888.22** |
|  |  |  | Savings for month of July 2017/18 vs 2016/17 |
|  |  |  |

**Credits/Rebates/Incentives:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **Type** | **July** | **YTD** | **Details** |
| Duke Power Share | Credit | $13,891.64 | $13,891.64 | Funds were credited directly to Duke electric bill |
| Duke Smart Saver/Owen | Rebates | $0.00 | $0.00 | Funds were mailed directly to District |
| Duke Foundation | Grant | $600.00 | $10,000.00 | Funds ($10,000) will be used for student energy teams and STEM-related initiatives |

**Action Items:**

|  |
| --- |
| Continue to complete and submit Duke Energy rebate applications for our summer projects |
| School rounds were completed at 4 schools with HVAC dept. to train principals & custodians about their bldgs. |
| Continue buildings rounds for other schools |