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

**TO: Dr. Randy Poe, Superintendent**

**Mr. Ed Massey, Chairperson**

**Board Members**

**DATE: July 9, 2018**

**RE: Energy Management Report**

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

* + - **Savings in YTD utility costs of $34,454.06 as compared to the same period last year.**

**Eric McArtor**

**Chief Operating Officer/Deputy Superintendent**

**Boone County Schools Energy Management Update**

**Total Cost and Use:**





**Credits/Rebates/Incentives:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **Type** | **May** | **YTD** | **Details** |
| Duke PowerShare | Credit | $0.00 | $61,316.85 | Funds were credited directly to Duke electric bill |
| Duke SmartSaver/Owen | Rebates | $0.00 | $31,028.35 | Funds were mailed directly to District |
| Duke Foundation | Grant | $2,285.69 | $1,907.97 | Funds ($10,000) will be used for student energy teams and STEM-related initiatives |

**Action Items:**



**Attachment**



Heating degree days", or "**HDD**", are a measure of how much (in degrees), and for how long (in days), outside air temperature was lower than a specific "base temperature". In the US, the base temperature is 65°F.

So you can see from the table above that we had a much colder winter in Jan – Apr 2017/18 when compared to Jan – Apr 2016/17 and less kWh (kilowatt-hours) were used each month this year!

Cooling degree days (CDD) are a measure of how much (in degrees), and for how long (in days), the outside air temperature was *above* a certain level (i.e., 65°F). May 2018 was much hotter than May 2017 and we did use more energy.