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

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

**Mr. Ed Massey, Chairperson**

**Board Members**

**DATE: July 31, 2018**

**RE: Energy Management Report**

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

* + - **Savings in YTD utility costs of $15,669.62 as compared to last year.**
    - **Credit of $14,342.46 from participation in the Duke Power Share program for the month of June.**
* **We would also like to recognize and congratulate Randall K. Cooper High School and RA Jones Middle School on their 2018 EPA ENERGY STAR re-certification! The last time Cooper High School received this award was in 2012!**  **Our Energy Star Schools SAVE Energy, SAVE Money and protect the environment.**  **ENERGY STAR buildings are easily recognizable by their label:**

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* + - **A new Duke Energy Foundation Grant of $10,000.00 was awarded to the district for the 2018/2019 school year for the continued formation of school energy teams and STEM-related energy education projects and activities.**
    - **Ockerman Middle School represented Boone County Schools well at the National NEED Energy Conference in Washington DC. Their project “Having Fun with Energy” was selected SECOND YEAR RUNNING as KY Most Outstanding Junior Level project. Thanks to Duke Energy for the funds to provide prizes for their Energy Carnival and trip to Frankfort for the Youth Awards.**

**Eric McArtor**

**Chief Operating Officer/Deputy Superintendent**

**Boone County Schools Energy Management Update**

**Total Cost and Use:**





**Credits/Rebates/Incentives:**



**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). Please note May and June 2018 were much hotter than in 2017; however in June we did use less energy!