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

**TO: Randy Poe, Superintendent**

**Board Members**

**DATE: March 5, 2019**

**RE: Energy Management Report**

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

* **To date, we have used 1,156,289 kWh less than last year. Refer to attached usage comparison graphs.**
* **Worked in collaboration with Duke Energy this month to understand the impact of their recent Rate increase to our increase in costs. To date – it was determined that the overall impact attributable to the rate increase for the majority of our schools is a cost increase of 17%. Boone County and Ryle High Schools, however, are on a different rate and their bills have been impacted by the Rate increase by 19%.**

**Eric McArtor**

**Chief Operating Officer/Deputy Superintendent**

**Boone County Schools Energy Management Update**

**Total Cost and Use:**





**Credits/Rebates/Incentives:**



**Action Items:**



**ATTACHMENT**



**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). Conversely, heating degree days (HDD) are a measure of how much (in degrees) and for how long (in days) that the outside air temperature was *lower* than 65°F. As the above table shows, the number of HDD in January 2019 was similar to January 2018.**

**Schools’ Electric Use Comparisons from July to January – School Year 2018/19 vs. 2017/18**