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

**TO: Randy Poe, Superintendent**

**Ms. Karen Byrd, Chairperson**

**Board Members**

**DATE: September 3, 2019**

**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 (please refer to attached tables):**

* **Our overall District EUI (Energy Use Intensity in kBtu/square feet) has dropped to a record low of 58.1 for the school year 2018/19! This is a 10.3% drop in energy usage from the previous school year and a 21.5% EUI drop from our baseline school year of 2009/10.**
* **Schools of Note:**

**Mann Elementary had a 32% drop in energy usage in 2018/19 when compared to 2017/18! This school was retro-commissioned in the summer of 2018.**

**Collins Elementary and Stephens Elementary had a 33% and 22% drop in energy usage, respectively. These schools had HVAC system upgrades in the summer of 2018.**

**Finally, Goodridge Elementary had 18% drop in energy usage with no HVAC or retro-commissioning projects completed. Our implementation of our district HVAC policies, set-points and schedules appears to be working.**

**Eric McArtor**

**Chief Operating Officer/Deputy Superintendent**

**Boone County Schools Energy Management Update**

**Total Cost and Use:**



**Credits/Rebates/Incentives:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **Type** | **July** | **YTD** | **Details** |
| Duke PowerShare | Credit | $0.00 | $0.00 | Funds were credited directly to Duke electric bill |
| Duke SmartSaver/Owen | Rebates | $0.00 | $0.00 | Funds were mailed directly to District |
| Duke Foundation | Grant | $0.00 | $11,695.85 | Funds will be used for student energy teams and STEM-related initiatives |

**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). As the above table shows, July 2019 was hotter than July 2018.**

