

## 2018 Kentucky Schools Energy Management Report (Pursuant to Board Policy 05.23)

This report is for fiscal year FY 2018 which covers the school year (billing period) July 1, 2017 through June 30, 2018. **Mail Completed Report to KPPC at the University of Louisville, Louisville, Kentucky 40292 or email to [info@KPPC.org](mailto:info@KPPC.org)**

|                                     |  |   |
|-------------------------------------|--|---|
|                                     |  |   |
| District Name: Boone County Schools | 09/28/2018   |   |
|                                     |  |   |
| 1                                   | Name of person completing report   | Karen Lenihan   |
| 2                                   | Title of person completing report  | District Energy Coordinator   |
| 3                                   | E-mail of person completing report   | <a href="mailto:karen.lenihan@boone.kyschools.us">karen.lenihan@boone.kyschools.us</a>  |
| 4                                   | Daytime telephone number of person completing report   | 859-282-3320  |
|                                     |  |   |
| 5                                   | Name of person responsible for energy management   | Karen Lenihan   |
| 6                                   | Title of person responsible for energy management  | District Energy Coordinator   |
| 7                                   | E-mail of person responsible for energy management   | <a href="mailto:karen.lenihan@boone.kyschools.us">karen.lenihan@boone.kyschools.us</a>  |
| 8                                   | Does your District have an Energy Committee as required by Board Policy 05.23?   | yes   |
| 9                                   | How often does your Energy Committee meet?   | quarterly   |
| 10                                  | Does your District routinely review utility bills for incorrect rate application, vacant accounts, demand minimums and estimated meter readings?                               | yes   |
| 11                                  | How does the District track energy usage and costs? (Examples: KEEPS Utility Tracker, School Dude Utility Direct, Excel Spreadsheet, Database or Other program (Specify name)) | School Dude Utility Direct  |
| 12                                  | Was an annual status report covering the development and implementation of the District's energy management plan presented to your board as required by Board Policy 05.23?    | yes   |
|                                     |  |   |
| 13                                  | Aggregate Gross Square Footage (GSF) for heated and/or conditioned buildings in your District. Do not count space which is not heated and/or cooled.                           | 2,714,163 sq ft   |
| 14                                  | If your square footage has changed since last year describe the additions or deletions.  | mobile classrooms   |
| 15                                  | Source of GSF Data (e.g., measurement, drawings, insurable property list, estimate)  | drawings, architect records   |
|                                     |  |   |
| 16                                  | How many 100% Electric Schools are in your district?   | 4 total - 1 middle and 3 elementary   |
| 17                                  | Is your district doing a Performance Contract? With whom? What amount? Guaranteed Savings?   | No  |
| 18                                  | Please provide the number of schools that have Building Automation Controls, Programmable Thermostats, or no controls.   | Building Automation Controls _all schools (23) _____<br>Programmable Thermostats _all schools (23) _____<br>No Controls _____ N/A _____ |

Revision Date: July 15, 2018

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09/28/2018

The next set of questions refer to District-wide energy consumption and costs. Appropriate responses will include all District buildings and properties.

|    |  |              |                      |
|----|--|--------------|----------------------|
| 19 | List electrical energy (kwh) and cost by supplier (including unmetered loads-e.g., parking lot lights)   | Energy (kwh) | Cost\$               |
|    | Supplier Name: Duke Energy   | 24,880,072   | \$2,276,858.48       |
|    | Supplier Name: Owen Electric   | 6,673,514    | \$627,058.02         |
|    | Supplier Name:   |              |                      |
|    | Total  | 31,553,586   | \$2,903,916.50       |
| 20 | List natural gas quantities, units and cost by supplier  | Quantity     | Unit (MCF, ccf, etc) |
|    | Supplier Name: Duke Energy   | 414,785      | ccf                  |
|    | Supplier Name: Stand Energy  | 265,807      | ccf                  |
|    | Supplier Name:   |              |                      |
|    | Total  | 680,592      | ccf                  |
| 21 | District-wide total annual consumption of propane  |              | 417                  |
| 22 | Identify appropriate unit of measurement   |              | gal                  |
| 23 | District-wide total annual cost for propane  |              | \$1,565.81           |
| 24 | District-wide total annual consumption of coal   |              | N/A                  |
| 25 | Identify appropriate unit of measurement (tons, pounds, etc)   |              | N/A                  |
| 26 | District-wide total annual cost for coal   |              | N/A                  |
| 27 | District-wide total annual consumption of heating fuel oil in gallons  |              | N/A                  |
| 28 | District-wide total annual cost of fuel oil used for heating   |              | N/A                  |
| 29 | District's aggregate annual cost for building energy (should equal sum of all annual individual energy costs)  |              | \$3,332,132.99       |
| 30 | Identify 2018 savings from utility company rebates for energy conservation measures  |              | \$106,687.66         |
| 31 | Identify 2018 savings from utility rate changes or tax corrections   |              | N/A                  |
| 32 | Please describe the type(s) of renewable energy (solar, wind, etc.) and provide the total quantity generated or consumed in the fiscal year. Identify the quantity as either an estimate or a measurement. |              | N/A                  |
| 33 | Please describe the types of FREE ENERGY (example used motor oil) used within your district and provide the total quantity consumed in the fiscal year.  |              | N/A                  |