

Completed by Jon Nipple : Bill Summary Attached

2014 Kentucky Schools Energy Management Report (Pursuant to Board Policy 5.23)	
This report is for fiscal year FY 2014 which covers the school year (billing period) July 1, 2013 through June 30, 2014. If this report is used to submit/revise information for a fiscal year other than FY 2014; then, "mark & initial" the appropriate fiscal year over the title of submittal. Completed form to be submitted to the Kentucky School Boards Association, EMR@ksba.org.	
District Name: Southgate	Date: 27 Oct 2014
1 Name of person completing report	Jon Nipple / Jim Palm
2 Title of person completing report	
3 E-mail of person completing report	
4 Daytime telephone number of person completing report	
5 Name of person responsible for energy management	Jim Palm
6 Title of person responsible for energy management	Superintendent
7 E-mail of person responsible for energy management	
8 Does your District have an Energy Committee as required by Board Policy 05.23?	Y
9 How often does your Energy Committee meet?	1
10 Does your District routinely review utility bills for incorrect rate application, vacant accounts, demand minimums and estimated meter readings?	N
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))	New Utility Tracker attached
12 Has your District developed and implemented an Energy Management Plan pursuant to Board Policy 05.23? If yes, has it been revised within the last year?	N
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.	61,464
14 If your square footage has changed since last year describe the additions or deletions.	No, Same as Previous Year
15 Source of GSF Data (e.g., measurement, drawings, insurable property list, estimate)	
16 How many 100% Electric Schools are in your district?	1
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 _____ Programmable Thermostats _____ No Controls _____

Revision Date: July 30, 2014

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District Name: <u>Southgate</u>	Date:
The next set of questions refer to District-wide energy consumption and costs. Appropriate responses will include all District buildings and properties.	
19 List all providers that supply billable energy to District-owned buildings/campuses/facilities	<u>Duke Electric & Gas</u>
20 District-wide total annual consumption of electricity in kWh (including unmetered loads-e.g., parking lot lights)	<u>260,373</u>
21 District-wide total annual cost for electricity	<u>\$26,471</u>
22 District-wide total annual consumption of natural gas	<u>24,346</u>
23 Identify appropriate unit of measurement	<u>ccf</u>
24 District-wide total annual cost for natural gas	<u>\$18,710</u>
25 District-wide total annual consumption of propane	<u>1</u>
26 Identify appropriate unit of measurement	<u>1</u>
27 District-wide total annual cost for propane	<u>1</u>
28 District-wide total annual consumption of coal	<u>1</u>
29 Identify appropriate unit of measurement	<u>1</u>
30 District-wide total annual cost for coal	<u>1</u>
31 District-wide total annual consumption of heating fuel oil in gallons	<u>1</u>
32 District-wide total annual cost of fuel oil used for heating	<u>1</u>
33 District's aggregate annual cost for building energy (should equal sum of all annual individual energy costs)	<u>\$45,181</u>
34 Identify 2014 savings from utility company rebates for energy conservation measures	
35 Identify 2014 savings from utility rate changes or tax corrections	
36 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.	
37 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.	

Revision Date: July 30, 2014

Utility Tracking Spreadsheet
Southgate
Tracking Year: FY2014

Fuel Type
Electricity
Natural Gas
Propane
Fuel Oil
Coal

Month	Usage in Billing Units								Costs by Fuel Type		
	Electric Demand (kW)	Metered Electricity (kWh)	Unmetered Electricity (kWh)	Total Electricity (kWh)	Natural Gas (ccf)	Propane (gal)	Fuel Oil (gal)	Coal (lbs)	Electricity	Natural Gas	Propane
July	96	23,901		23,901	700				\$2,386	\$560	
August	126	26,420		26,420	55				\$2,187	\$107	
September	110	28,967		28,967	33				\$2,639	\$86	
October	94	20,685		20,685	1,410				\$2,139	\$1,017	
November	82	21,644		21,644	3,191				\$2,122	\$2,186	
December	75	19,088		19,088	4,364				\$2,008	\$3,228	
January	75	19,048		19,048	4,754				\$2,108	\$3,717	
February	88	17,043		17,043	4,771				\$1,963	\$3,617	
March	75	17,240		17,240	2,653				\$2,014	\$2,116	
April	75	19,640		19,640	1,416				\$2,169	\$1,136	
May	84	23,733		23,733	891				\$2,388	\$783	
June	102	22,964		22,964	108				\$2,348	\$157	
Average	90	21,698		21,698	2,029				\$2,206	\$1,559	
Total	1,082	260,373		260,373	24,346				\$26,471	\$18,710	
Total / Sq. Ft.		#VALUE!		#VALUE!	#VALUE!				#VALUE!	#VALUE!	

* Cells in yellow are answers to questions on the KEEPS Energy Management Report

Month	Usage in kBTU					Totals			
	Electricity	Natural Gas	Propane	Fuel Oil	Coal	Total Energy Usage (kBTU)	Total Cost	Total kBTU Usage per Sq. Ft.	Total Cost per Sq. Ft.
July	81,550	72,030				153,580	\$2,946	#VALUE!	#VALUE!
August	90,145	5,660				95,805	\$2,294	#VALUE!	#VALUE!
September	98,835	3,396				102,231	\$2,725	#VALUE!	#VALUE!
October	70,577	145,089				215,666	\$3,156	#VALUE!	#VALUE!
November	73,849	328,354				402,203	\$4,308	#VALUE!	#VALUE!
December	65,128	449,056				514,184	\$5,236	#VALUE!	#VALUE!
January	64,992	489,187				554,178	\$5,825	#VALUE!	#VALUE!
February	58,151	490,936				549,087	\$5,580	#VALUE!	#VALUE!
March	58,823	272,994				331,817	\$4,130	#VALUE!	#VALUE!
April	67,012	145,706				212,718	\$3,305	#VALUE!	#VALUE!
May	80,977	91,684				172,661	\$3,171	#VALUE!	#VALUE!
June	78,353	11,113				89,466	\$2,505	#VALUE!	#VALUE!
Average	74,033	208,767				282,800	\$3,765		
Total	888,393	2,505,203				3,393,596	\$45,181		
Total / Sq. Ft.	#VALUE!	#VALUE!				#VALUE!	#VALUE!		

Total square footage of reported buildings: [

24,198



