

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C **DATE:** January 15, 2019

TOPIC/TITLE: Energy Management Report

PRESENTER: Amy Smith

ORIGIN:

- ☒ TOPIC PRESENTED FOR INFORMATION ONLY (No board action required.)
- ☐ ACTION REQUESTED AT THIS MEETING
- ☐ ITEM IS ON THE CONSENT AGENDA FOR APPROVAL
- ☐ ACTION REQUESTED AT FUTURE MEETING: (DATE)
- ☐ BOARD REVIEW REQUIRED BY

- ☐ STATE OR FEDERAL LAW OR REGULATION
- ☐ BOARD OF EDUCATION POLICY
- ☐ OTHER:

PREVIOUS REVIEW, DISCUSSION OR ACTION:

- ☐ NO PREVIOUS BOARD REVIEW, DISCUSSION OR ACTION
- ☐ PREVIOUS REVIEW OR ACTION

- ☐ DATE:
- ☐ ACTION:

BACKGROUND INFORMATION:

SUMMARY OF MAJOR ELEMENTS:

Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

SUPERINTENDENT'S RECOMMENDATION: ☐ **Recommended** ☐ **Not Recommended**



Woodford County Schools Energy Management Package

December 2018

Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$121,281	\$121,281
Rate Change Savings Current Year		\$15,027	\$15,027
Consumption Savings Prior Years		\$1,474,862	\$1,474,862
Consumption Savings Current Year		\$141,969	\$141,969
Energy Projects Prior Years	\$49,887		\$49,887
Energy Projects Current Year	\$409		\$409
Total	\$50,296	\$1,753,139	\$1,803,425

Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Oct-18	Rating (1-100) June-13	Energy Use kbtu/sq ft Oct-18	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	87	49	27.7	41.2	-32.8%
Southside Elementary	78	34	35.0	50.7	-31.0%
Northside Elementary	67	20	38.7	62.2	-37.8%
Safe Harbor	80	47	55.6	70.0	-20.6%
Simmons Elementary	56	31	39.5	49.8	-20.7%
Central Office	62	39	33.7	43.9	-23.2%
Woodford County Middle School	76	47	36.9	48.1	-23.3%
Woodford County High School	70	45	53.7	64.6	-16.9%
Group Total	71	41	40.4	53.2	-24.1%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

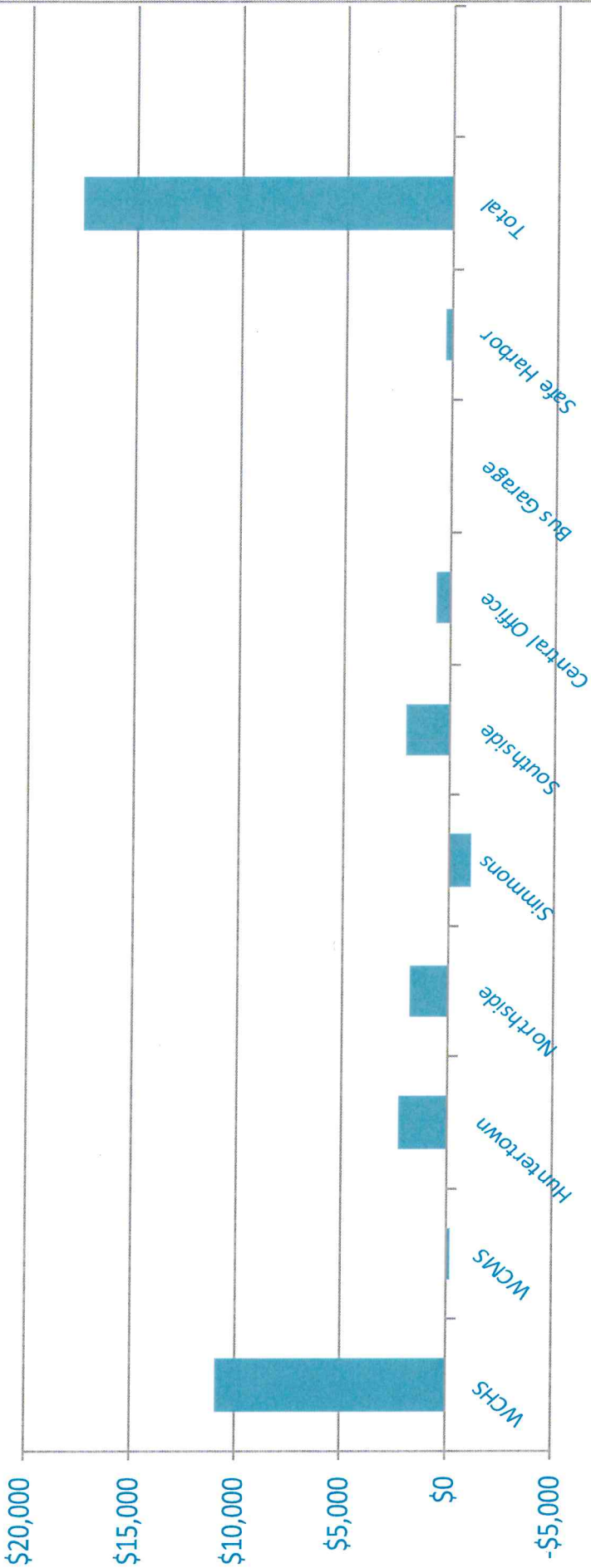
Energy Management Report

December 2018

School Facility	December					2018 - 2019 YTD Results				
	2017 Actual Kwh	2018 Actual Kwh	% Reduction	Position	\$ Cost Change	2017-18 Actual Kwh	2018-19 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	111,166	117,934	-6.1%	3	\$678	836,338	951,270	-13.7%	9	\$10,978
WCMS	99,120	113,040	-14.0%	6	\$1,394	694,400	693,840	0.1%	2	-\$53
Huntertown	46,800	51,600	-10.3%	4	\$481	258,600	283,800	-9.7%	8	\$2,407
Northside	40,800	45,680	-12.0%	5	\$489	243,000	263,040	-8.2%	5	\$1,914
Simmons	56,520	54,240	4.0%	2	-\$228	340,080	329,640	3.1%	1	-\$997
Southside	46,766	54,223	-15.9%	7	\$747	264,724	287,364	-8.6%	6	\$2,162
Central Office	14,940	18,900	-26.5%	8	\$397	76,320	83,700	-9.7%	7	\$705
Bus Garage	7,022	6,365	9.4%	1	-\$66	41,916	43,372	-3.5%	3	\$139
Safe Harbor	7,689	10,442	-35.8%	9	\$276	43,469	46,923	-7.9%	4	\$330
Total	430,823	472,424	-9.7%		\$4,166	2,798,847	2,982,949	-6.6%		\$17,584

Electrical Energy Cost Comparison to Last Year

July 2018 - December 2018 \$ Cost Change



Note: The Schools with the Lowest Bars are doing the Best Job in Reducing Costs