

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C **DATE:** November 28, 2018

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:

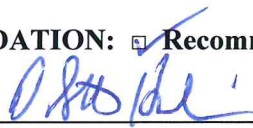
SUMMARY OF MAJOR ELEMENTS:

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

November 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		\$13,196	\$13,196
Consumption Savings Prior Years		\$1,474,862	\$1,474,862
Consumption Savings Current Year		\$121,281	\$121,281
Energy Projects Prior Years	\$49,887		\$49,887
Energy Projects Current Year	\$270		\$270
Total	\$50,157	\$1,723,280	\$1,773,437

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	55.9	70.0	-20.1%
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/)



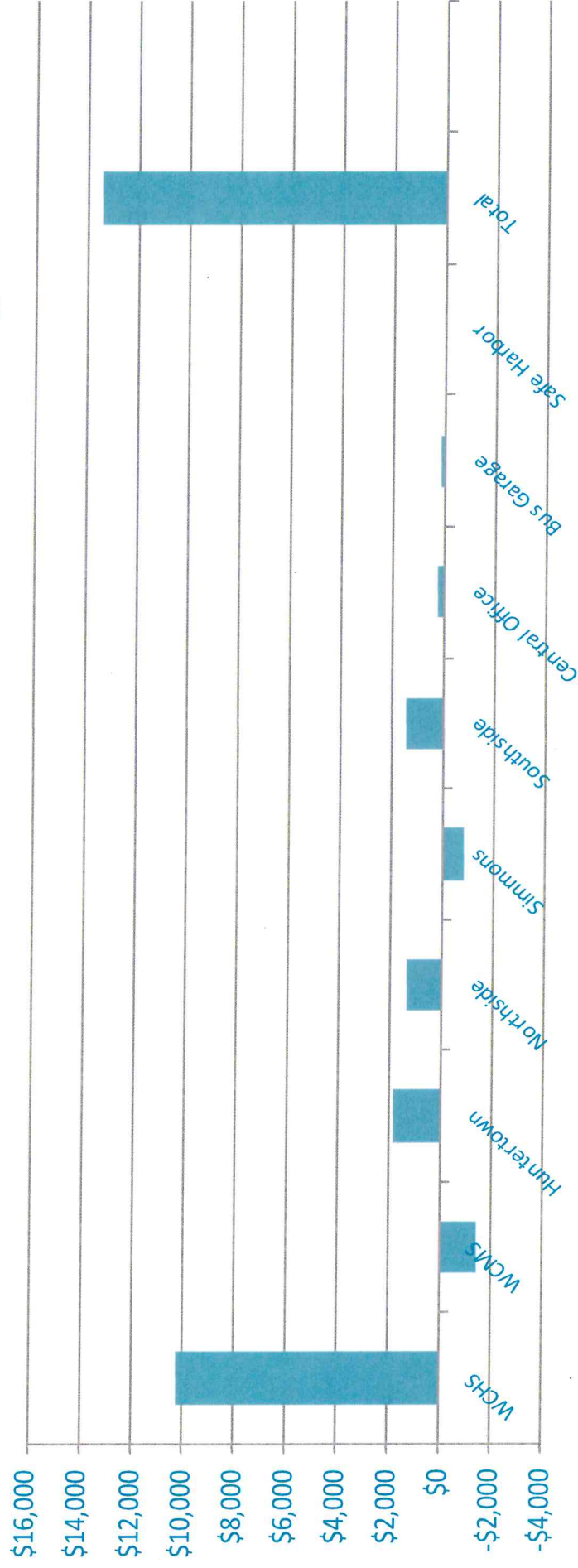


Woodford County Schools Energy Management Report November 2018

School Facility	November						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	114,568	129,416	-13.0%	9	\$1,469	725,172	833,336	-14.9%	9	\$10,236		
WCMS	126,960	107,760	15.1%	1	-\$1,900	595,280	580,800	2.4%	2	-\$1,370		
Huntertown	43,000	41,800	2.8%	3	-\$119	211,800	232,200	-9.6%	8	\$1,931		
Northside	54,000	47,440	12.1%	2	-\$649	202,200	217,360	-7.5%	7	\$1,435		
Simmons	57,720	56,880	1.5%	4	-\$83	283,560	275,400	2.9%	1	-\$772		
Southside	41,484	41,179	0.7%	5	-\$30	217,958	233,141	-7.0%	6	\$1,437		
Central Office	12,960	13,860	-6.9%	8	\$89	61,380	64,800	-5.6%	4	\$324		
Bus Garage	5,219	5,260	-0.8%	6	\$4	34,894	37,007	-6.1%	5	\$200		
Safe Harbor	5,729	5,825	-1.7%	7	\$9	35,780	36,481	-2.0%	3	\$66		
Total	461,640	449,420	2.6%		-\$1,209	2,368,024	2,510,525	-6.0%		\$13,486		

Electrical Energy Cost Comparison to Last Year

July 2018 - November 2018 \$ Cost Change



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