

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C DATE: October 14, 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:

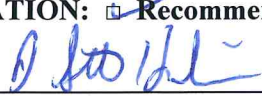
SUMMARY OF MAJOR ELEMENTS:

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

September 2019

Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$147,299	\$147,299
Rate Change Savings Current Year		\$12,776	\$12,776
Consumption Savings Prior Years		\$1,794,103	\$1,794,103
Consumption Savings Current Year		\$83,622	\$83,622
Energy Projects Prior Years	\$51,268		\$51,268
Energy Projects Current Year	\$0		\$0
Total	\$51,268	\$2,037,800	\$2,089,068

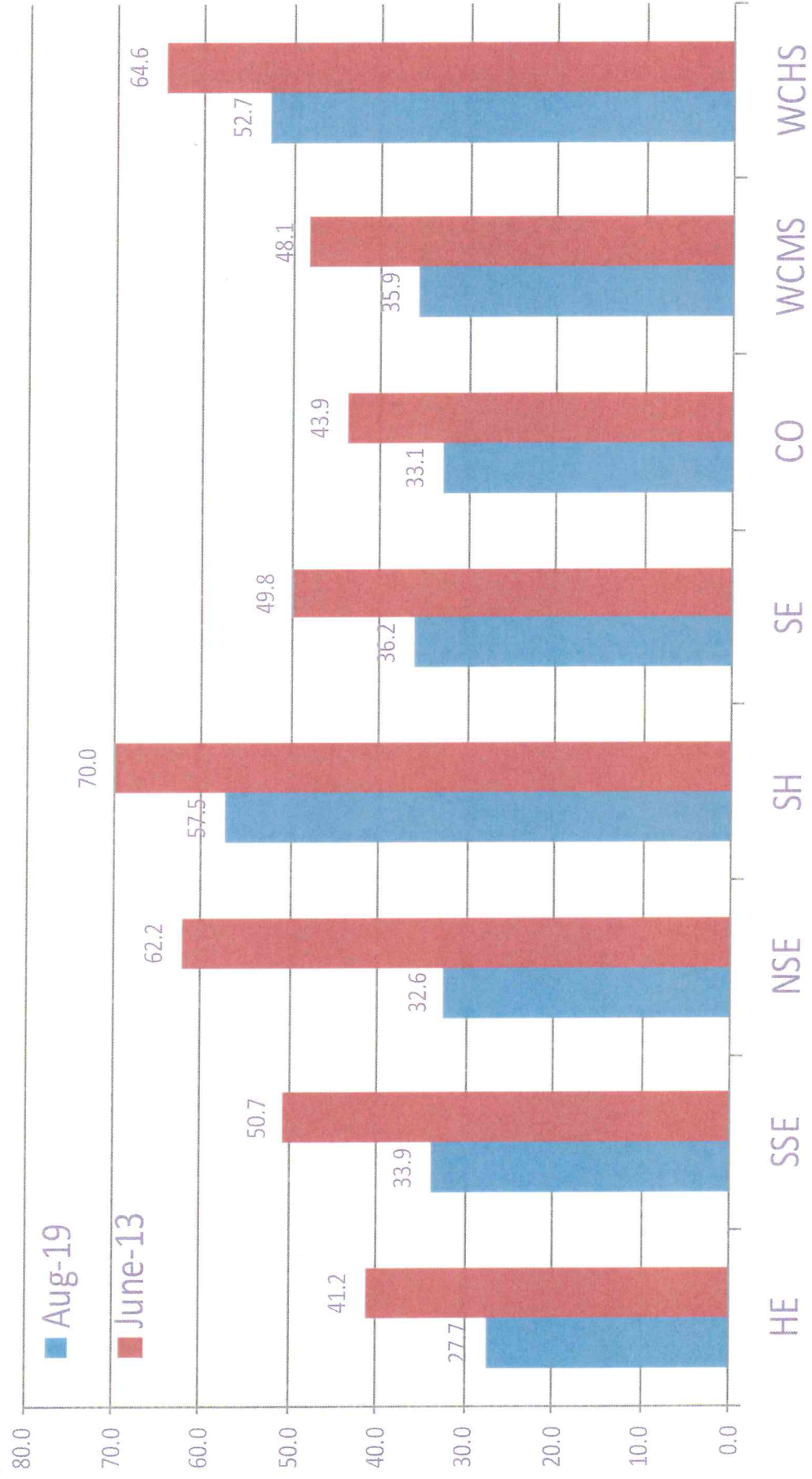
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Aug-19	Rating (1-100) June-13	Energy Use kbtu/sq ft Aug-19	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	86	49	27.7	41.2	-32.8%
Southside Elementary	76	34	33.9	50.7	-33.1%
Northside Elementary	77	20	32.6	62.2	-47.6%
Safe Harbor	78	47	57.5	70.0	-17.9%
Simmons Elementary	65	31	36.2	49.8	-27.3%
Central Office	71	50	33.1	43.9	-24.6%
Woodford County Middle School	77	47	35.9	48.1	-25.4%
Woodford County High School	69	45	52.7	64.6	-18.4%
Group Total	75	41	39.5	53.2	-25.8%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

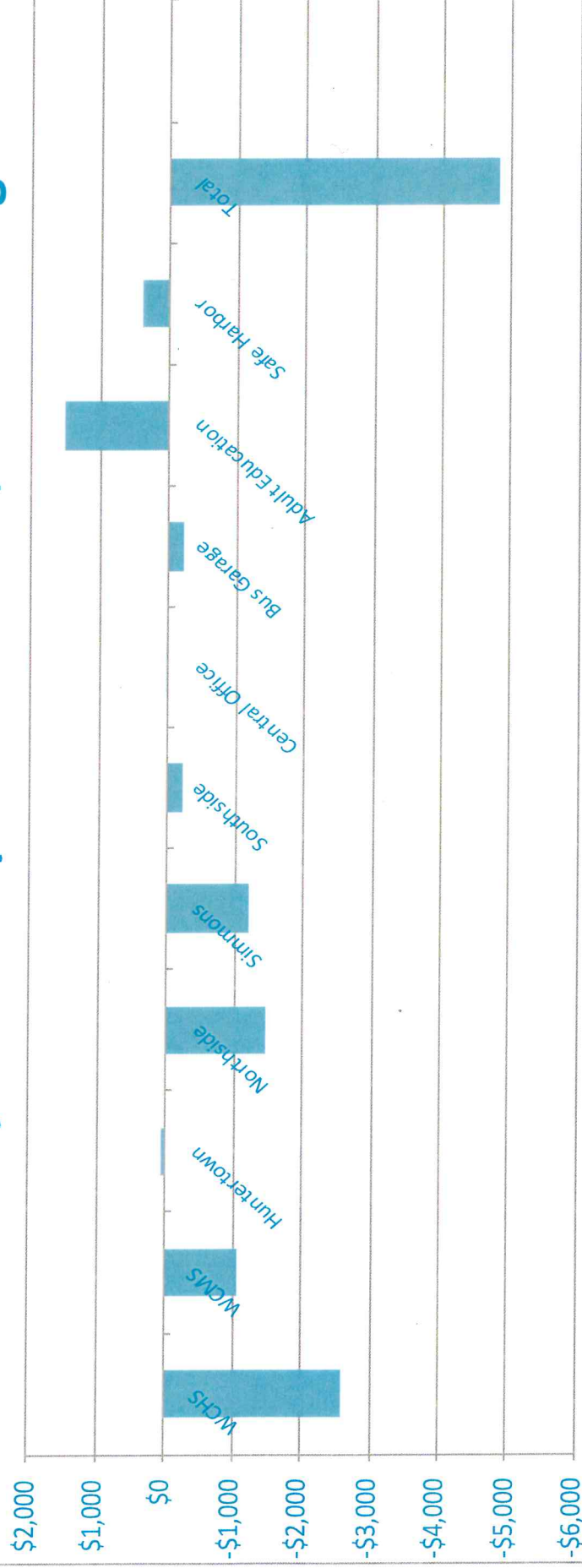
Energy Management Report

September 2019

School Facility	September					2018 - 2019 YTD Results				
	2018 Actual Kwh	2019 Actual Kwh	% Reduction	Position	\$ Cost Change	2018-19 Actual Kwh	2019-20 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	217,298	203,055	6.6%	4	-\$1,507	549,418	525,708	4.3%	4	-\$2,598
WCMS	150,720	148,080	1.8%	6	-\$279	347,760	337,920	2.8%	5	-\$1,078
Huntertown	60,200	64,400	-7.0%	8	\$445	144,800	145,400	-0.4%	7	\$66
Northside	45,760	43,040	5.9%	5	-\$288	135,920	122,560	9.8%	1	-\$1,464
Simmons	59,760	51,000	14.7%	1	-\$927	166,680	155,640	6.6%	3	-\$1,210
Southside	60,046	55,688	7.3%	3	-\$461	148,121	145,933	1.5%	6	-\$240
Central Office	13,140	12,960	1.4%	7	-\$19	39,240	39,600	-0.9%	8	\$39
Bus Garage	8,354	7,657	8.3%	2	-\$74	24,842	22,811	8.2%	2	-\$223
Adult Education	1	3,643			\$385	3	13,760			\$1,507
Safe Harbor	9,778	11,758	-20.2%	9	\$210	24,346	27,740	-13.9%	9	\$372
Total	625,057	601,281	0.5%		-\$2,516	1,581,130	1,537,072	2.8%		-\$4,827

Electrical Energy Cost Comparison to Last Year

July 2019 - September 2019 \$ Cost Change



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