

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C DATE: November 8, 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:

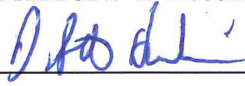
SUMMARY OF MAJOR ELEMENTS:

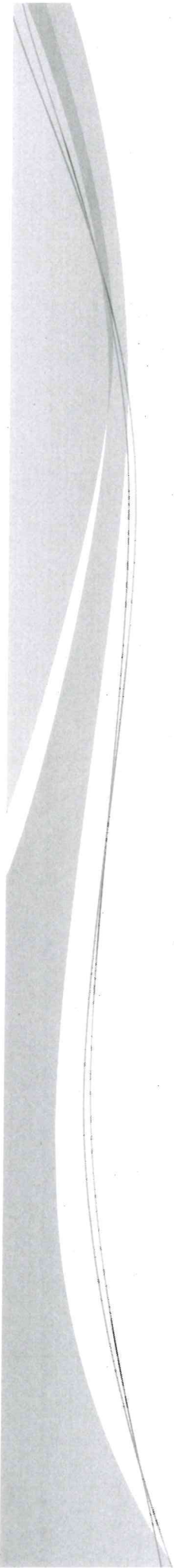
Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

October 2018

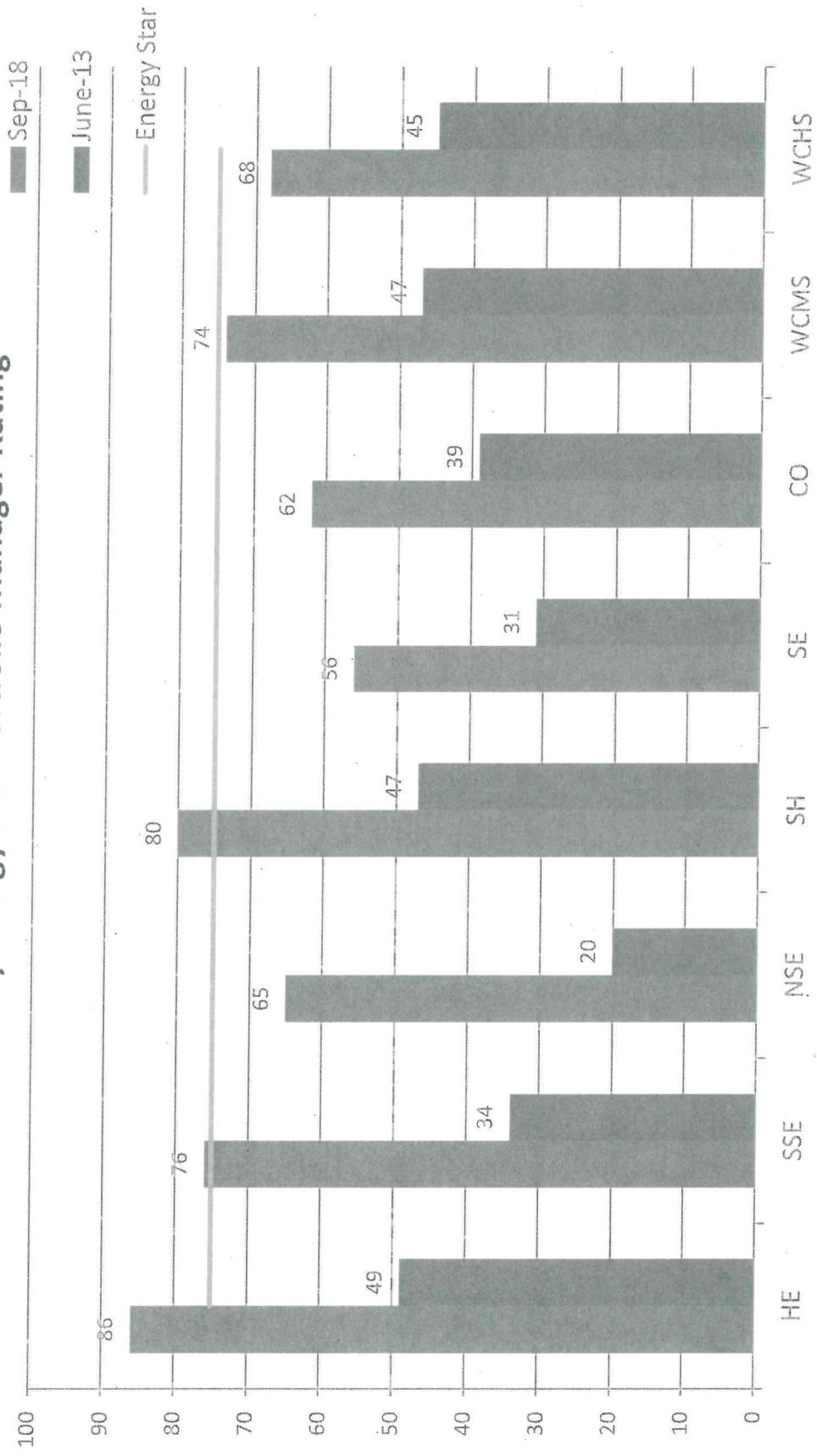
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$121,281	\$121,281
Rate Change Savings Current Year		\$11,364	\$11,364
Consumption Savings Prior Years		\$1,474,862	\$1,474,862
Consumption Savings Current Year		\$83,923	\$83,923
Energy Projects Prior Years	\$49,887		\$49,887
Energy Projects Current Year	\$270		\$270
Total	\$50,157	\$1,691,430	\$1,741,587

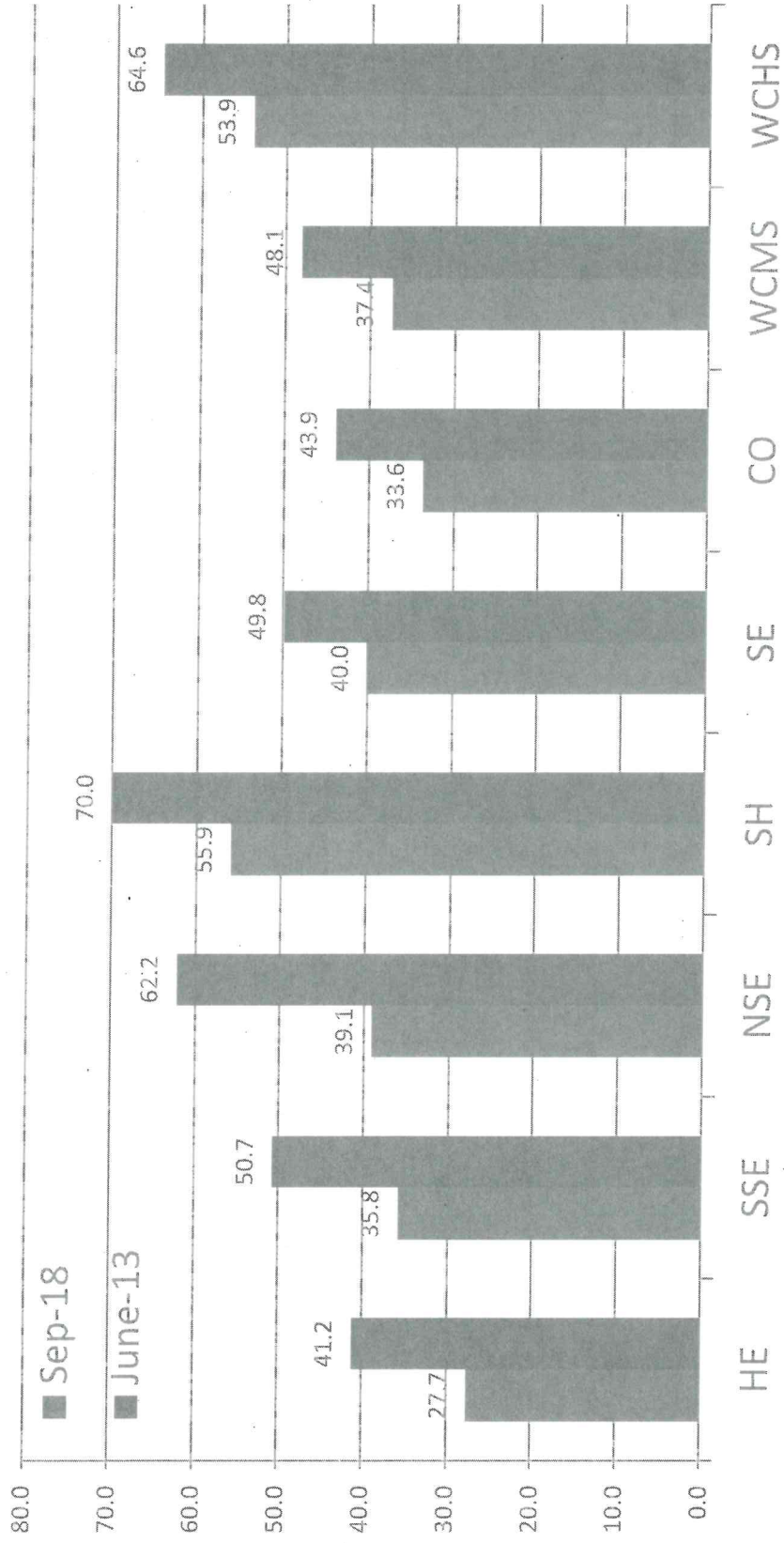
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Sep-18	Rating (1-100) June-13	Energy Use kbtu/sq ft Sep-18	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	86	49	27.7	41.2	-32.8%
Southside Elementary	76	34	35.8	50.7	-29.4%
Northside Elementary	65	20	39.1	62.2	-37.1%
Safe Harbor	80	47	55.9	70.0	-20.1%
Simmons Elementary	56	31	40.0	49.8	-19.7%
Central Office	62	39	33.6	43.9	-23.5%
Woodford County Middle School	74	47	37.4	48.1	-22.2%
Woodford County High School	68	45	53.9	64.6	-16.6%
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

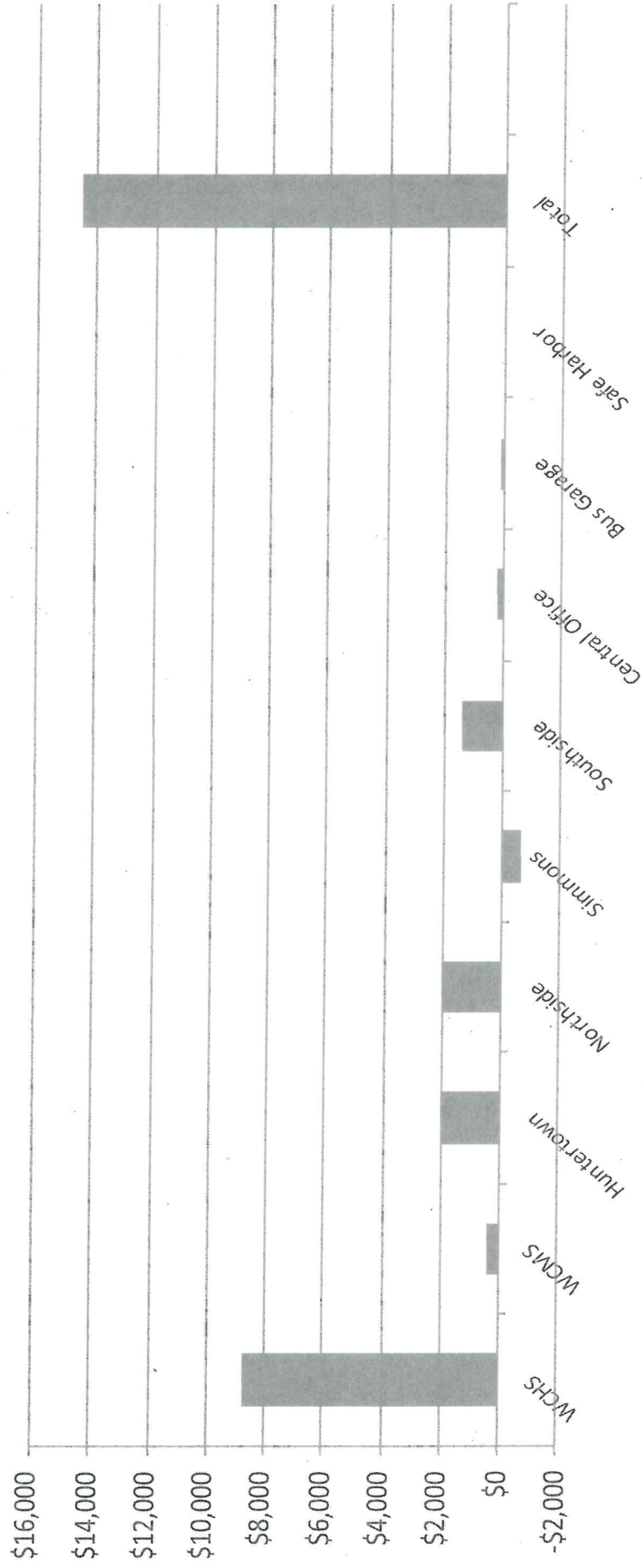
Energy Management Report

October 2018

School Facility	October					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	160,050	154,493	3.5%	4	-\$547	610,604	703,911	-15.3%	9	\$8,742
WCMS	132,240	125,280	5.3%	2	-\$685	468,320	473,040	-1.0%	2	\$442
Huntertown	46,200	45,600	1.3%	6	-\$59	168,800	190,400	-12.8%	7	\$2,024
Northside	35,600	34,000	4.5%	3	-\$157	148,200	169,920	-14.7%	8	\$2,035
Simmons	56,880	51,840	8.9%	1	-\$496	225,840	218,520	3.2%	1	-\$686
Southside	45,065	43,841	2.7%	5	-\$120	176,474	191,962	-8.8%	6	\$1,451
Central Office	10,620	11,700	-10.2%	8	\$106	48,420	50,940	-5.2%	4	\$236
Bus Garage	6,160	6,905	-12.1%	9	\$73	29,675	31,747	-7.0%	5	\$194
Safe Harbor	5,950	6,310	-6.1%	7	\$35	30,051	30,656	-2.0%	3	\$57
Total	498,765	479,969	3.8%		-\$1,850	1,906,384	2,061,096	-8.1%		\$14,496

Electrical Energy Cost Comparison to Last Year

July 2018 - October 2018 \$ Cost Change



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