

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XII C **DATE:** November 6, 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:

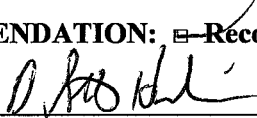
SUMMARY OF MAJOR ELEMENTS:

Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

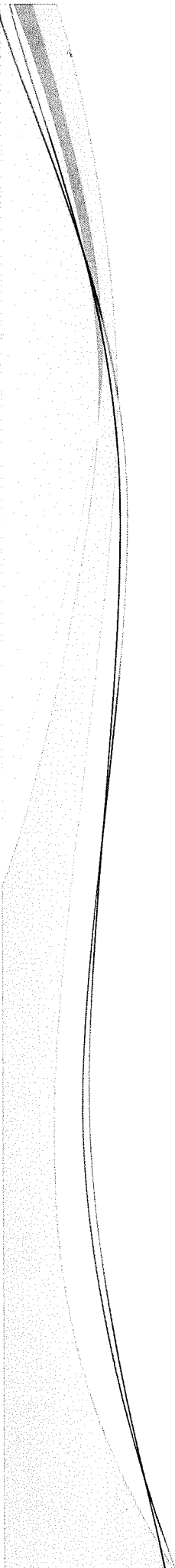
SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

October 2019



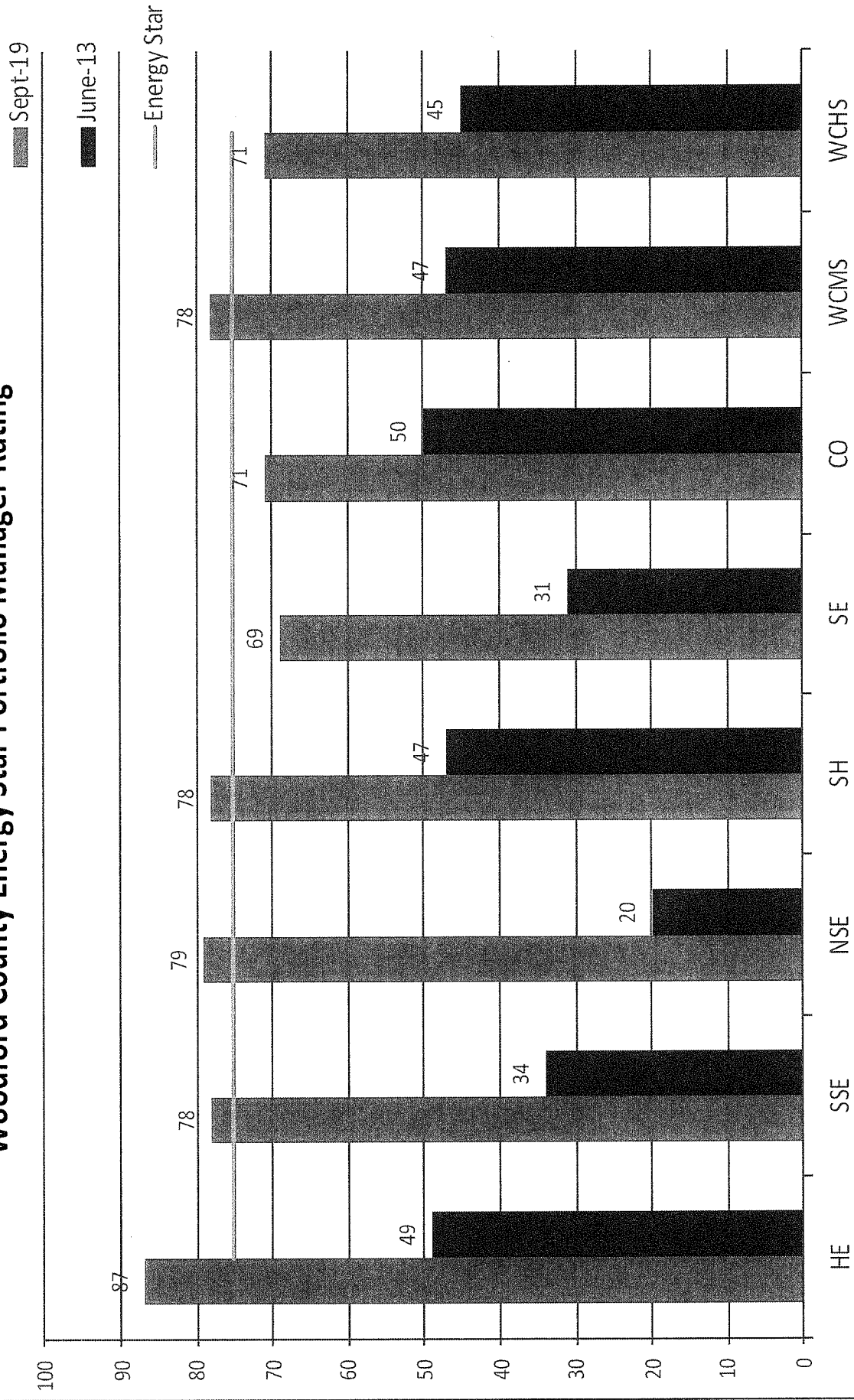
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$147,299	\$147,299
Rate Change Savings Current Year		\$17,034	\$17,034
Consumption Savings Prior Years		\$1,794,103	\$1,794,103
Consumption Savings Current Year		\$107,733	\$107,733
Energy Projects Prior Years	\$51,268		\$51,268
Energy Projects Current Year	\$0		\$0
Total	\$51,268	\$2,066,169	\$2,117,437

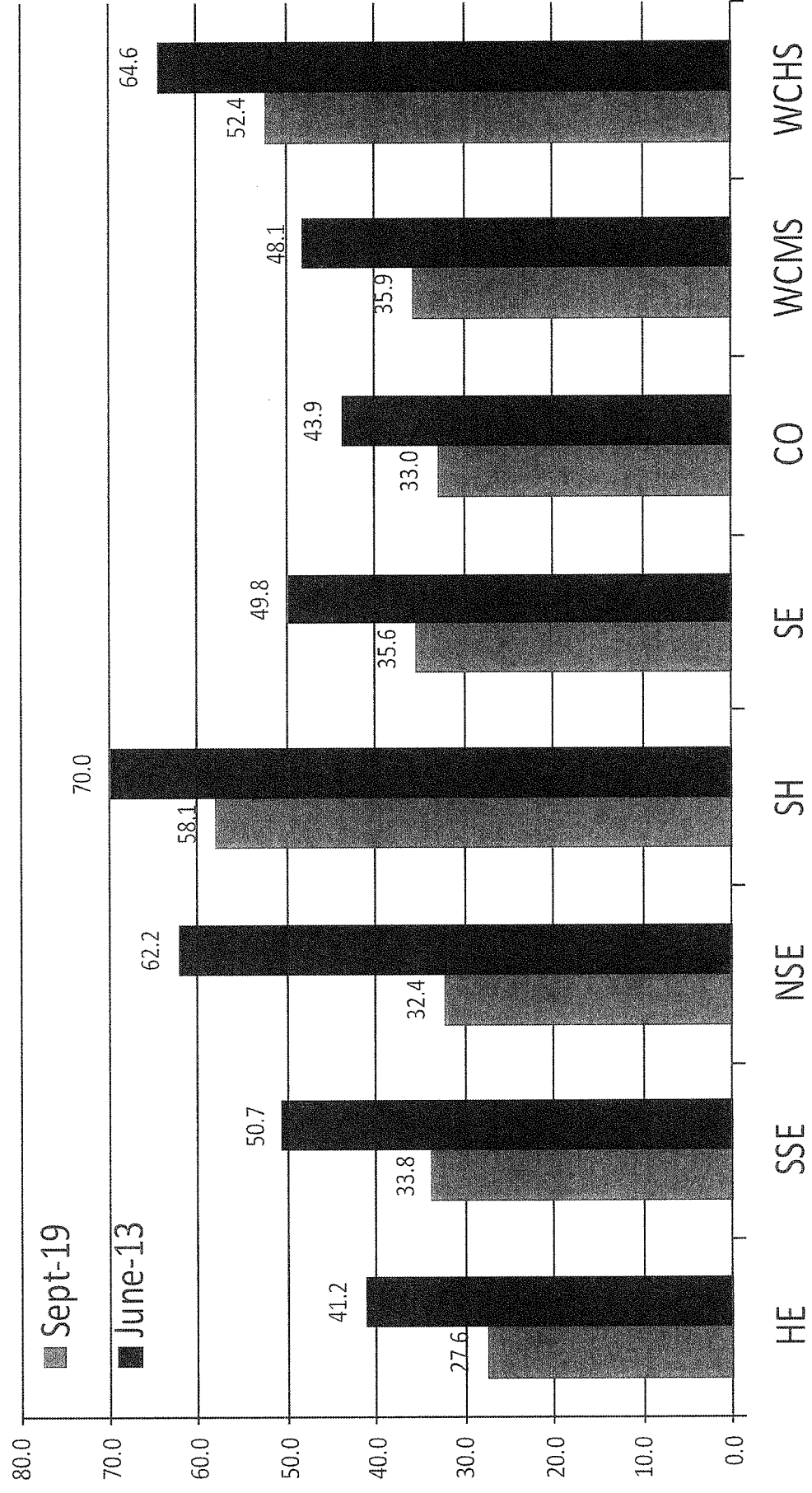
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Sept-19	Rating (1-100) June-13	Energy Use kbtu/sq ft Spet-19	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	87	49	27.6	41.2	-33.0%
Southside Elementary	78	34	33.8	50.7	-33.3%
Northside Elementary	79	20	32.4	62.2	-47.9%
Safe Harbor	78	47	58.1	70.0	-17.0%
Simmons Elementary	69	31	35.6	49.8	-28.5%
Central Office	71	50	33.0	43.9	-24.8%
Woodford County Middle School	78	47	35.9	48.1	-25.4%
Woodford County High School	71	45	52.4	64.6	-18.9%
Group Total	76	41	39.4	53.2	-25.9%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)





Woodford County Schools

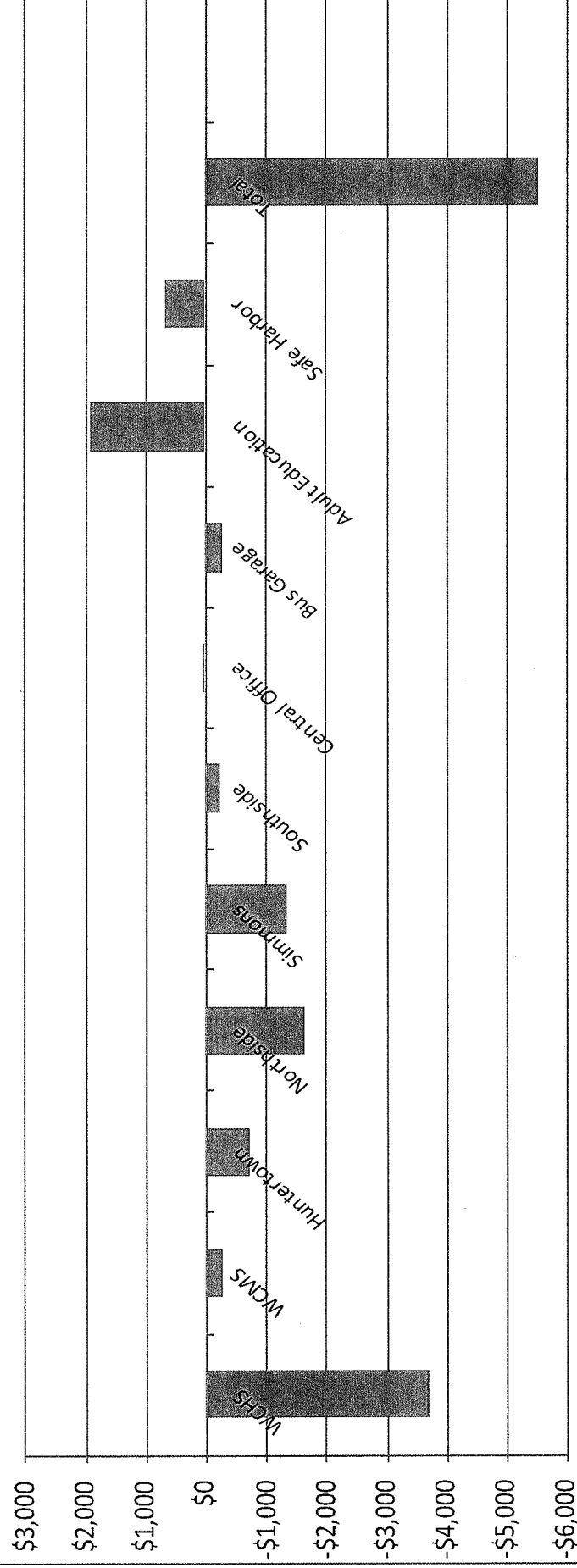
Energy Management Report

October 2019

School Facility	October					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	154,502	143,481	7.1%	2	-\$1,230	703,920	670,299	4.8%	4	-\$3,700
WCMS	125,280	132,720	-5.9%	9	\$830	473,040	470,640	0.5%	7	-\$264
Huntertown	45,600	38,600	15.4%	1	-\$781	190,400	184,000	3.4%	5	-\$704
Northside	34,000	32,400	4.7%	4	-\$179	169,920	154,960	8.8%	1	-\$1,646
Simmons	51,840	50,520	2.5%	5	-\$147	218,520	206,160	5.7%	3	-\$1,360
Southside	43,841	43,841		6	\$0	191,962	189,774	1.1%	6	-\$241
Central Office	11,700	12,060	-3.1%	8	\$40	50,940	51,660	-1.4%	8	\$79
Bus Garage	6,905	6,576	4.8%	3	-\$37	31,747	29,387	7.4%	2	-\$260
Adult Education	1	3,708			\$414	4	17,468			\$1,922
Safe Harbor	6,310	9,050	-43.4%	10	\$306	30,656	36,790	-20.0%	9	\$675
Total	479,979	472,956	1.5%		-\$784	2,061,109	2,011,138	2.4%		-\$5,500

Electrical Energy Cost Comparison to Last Year

July 2019 - October 2019 \$ Cost Change



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