

**WOODFORD COUNTY BOARD OF EDUCATION
AGENDA ITEM**

ITEM #: XIII C **DATE:** November 2, 2021

TOPIC/TITLE: Energy Management Report

PRESENTER: Jeff Martello

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:

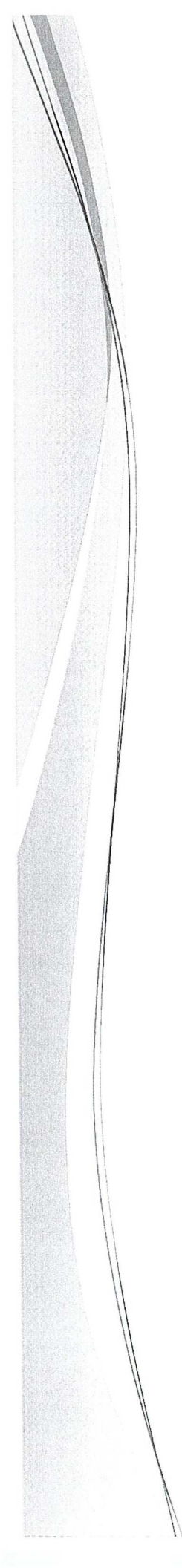
Updated Energy Management Plan Report.

IMPACT ON RESOURCES:

TIMETABLE FOR FURTHER REVIEW OR ACTION:

SUPERINTENDENT'S RECOMMENDATION: ☒ Recommended ☐ Not Recommended





Woodford County Schools Energy Management Package

October 2021

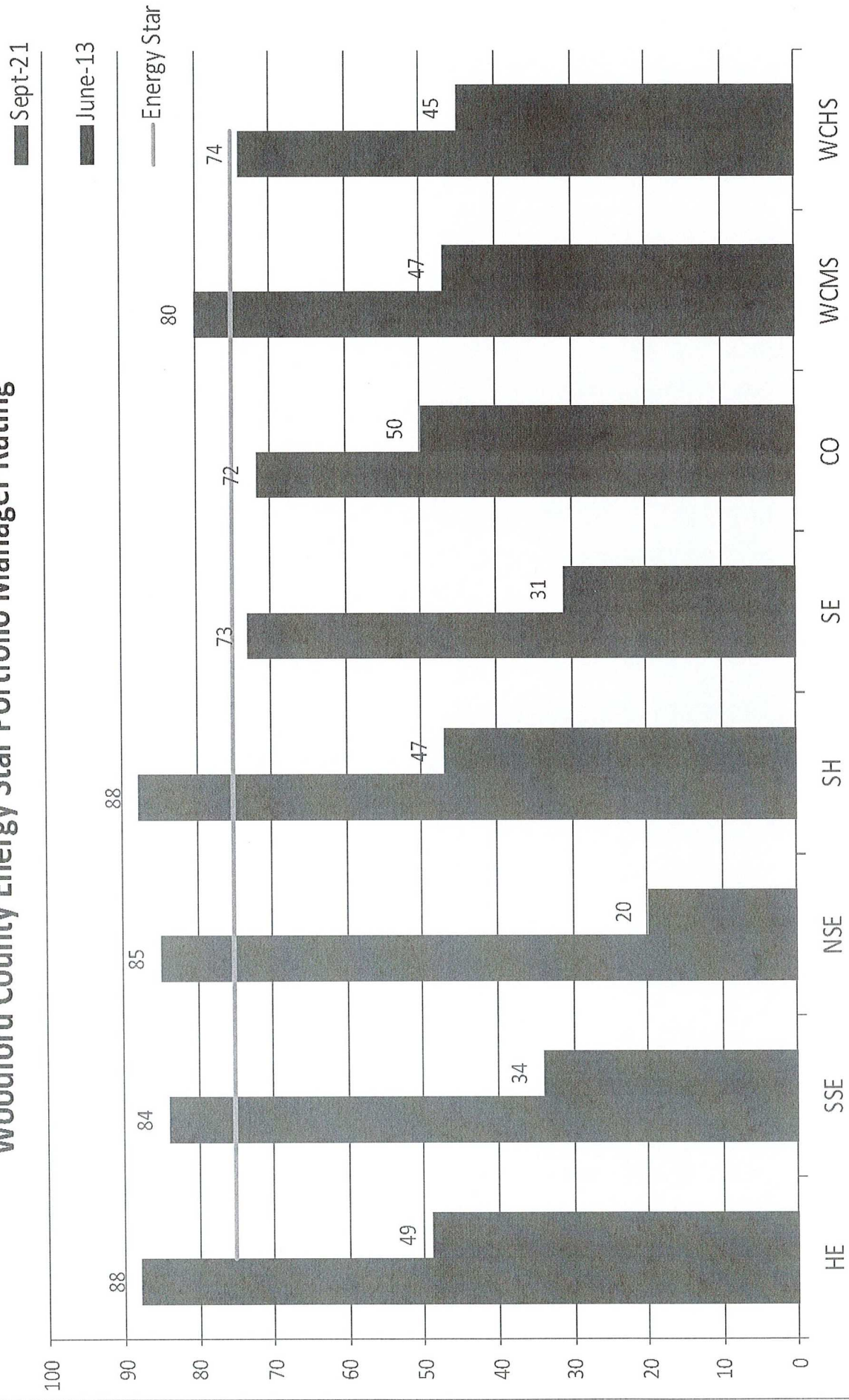
Energy Management Avoided Costs Summary

Project Description	Refunds/Rebates Received	Avoided Costs	Total Avoided Costs
Rate Change Savings Prior Years		\$256,772	\$256,772
Rate Change Savings Current Year		\$13,088	\$13,088
Consumption Savings Prior Years		\$2,727,186	\$2,727,186
Consumption Savings Current Year		\$125,751	\$125,751
Energy Projects Prior Years	\$54,879		\$54,879
Energy Projects Current Year	\$0		\$0
Total	\$54,879	\$3,122,797	\$3,177,676

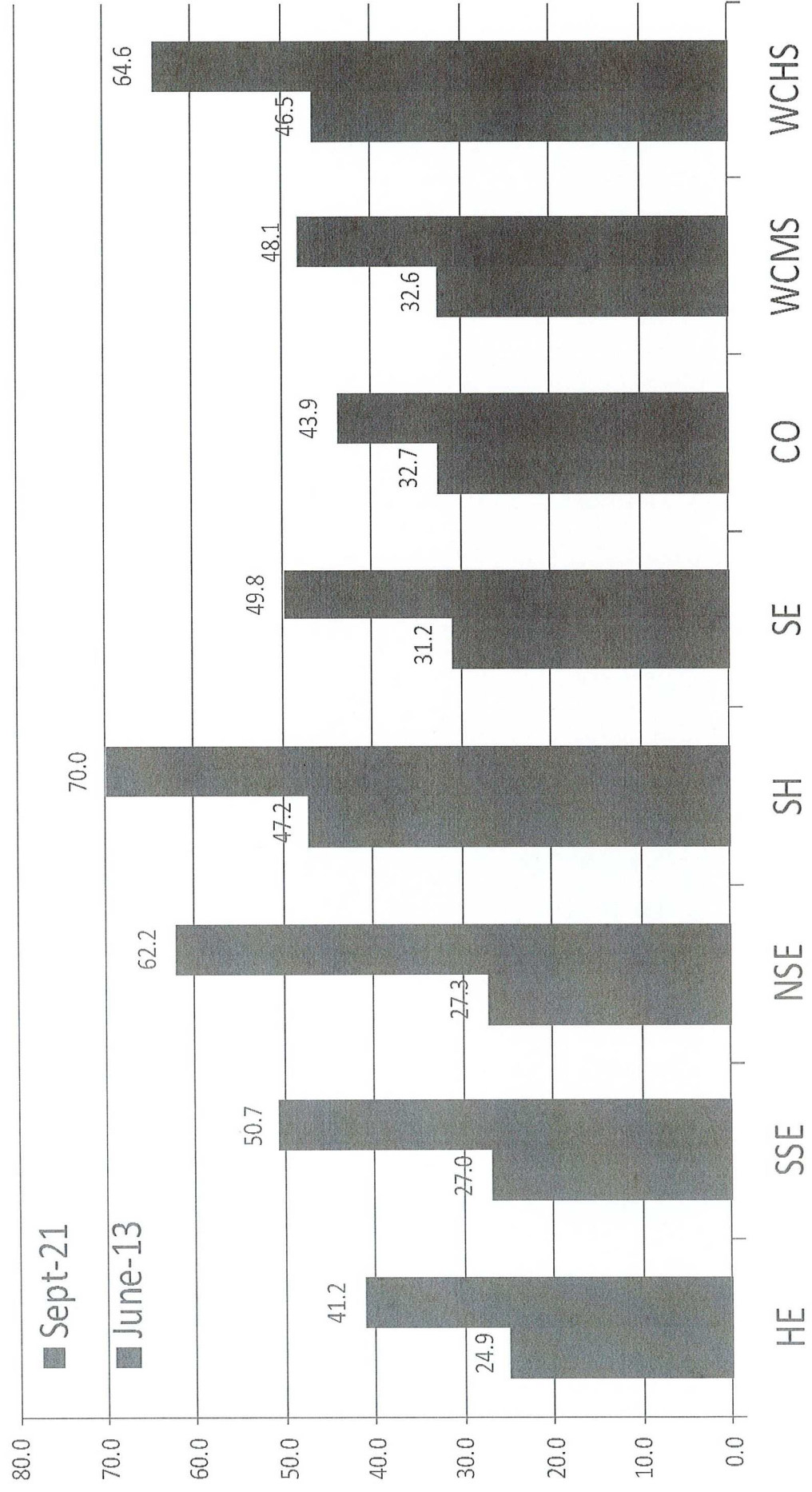
Woodford County Energy Star Portfolio Manager Ratings

Facility Name	Rating (1-100) Sept-21	Rating (1-100) June-13	Energy Use kbtu/sq ft Sept-21	Energy Use kbtu/sq ft June-13	Change From Baseline
Huntertown Elementary	88	49	24.9	41.2	-39.6%
Southside Elementary	84	34	27.0	50.7	-46.7%
Northside Elementary	85	20	27.3	62.2	-56.1%
Safe Harbor	88	47	47.2	70.0	-32.6%
Simmons Elementary	73	31	31.2	49.8	-37.3%
Central Office	72	50	32.7	43.9	-25.5%
Woodford County Middle School	80	47	32.6	48.1	-32.2%
Woodford County High School	74	45	46.5	64.6	-28.0%
Group Total	79	41	34.6	53.8	-35.7%

Woodford County Energy Star Portfolio Manager Rating



Woodford County EUI (kbtu/sq.ft/)



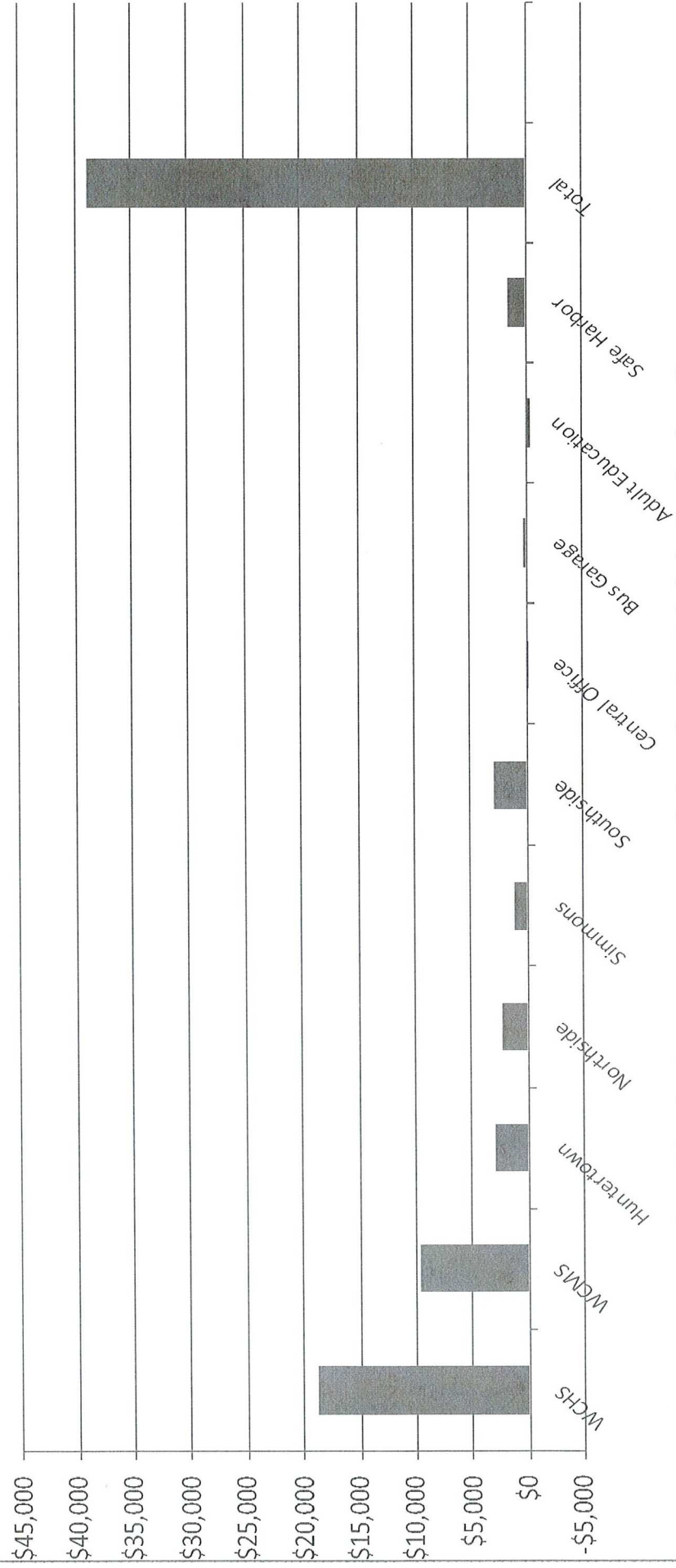


Woodford County Schools Energy Management Report October 2021

School Facility	October					2021 - 2022 YTD Results				
	2020 Actual Kwh	2021 Actual Kwh	% Reduction	Position	\$ Cost Change	2020-21 Actual Kwh	2021-22 Actual Kwh	% Reduction	Overall Position	YTD \$ Cost Change
WCHS	112,204	149,986	-33.7%	7	\$4,572	503,980	667,690	-32.5%	9	\$18,699
WCMS	98,880	114,720	-16.0%	5	\$1,917	361,680	446,640	-23.5%	8	\$9,704
Huntertown	31,400	44,000	-40.1%	8	\$1,525	146,800	171,600	-16.9%	5	\$2,833
Northside	30,160	30,160		3	\$0	114,400	134,320	-17.4%	6	\$2,275
Simmons	33,840	55,440	-63.8%	10	\$2,614	175,440	186,360	-6.2%	4	\$1,247
Southside	30,523	37,712	-23.6%	6	\$870	123,537	150,055	-21.5%	7	\$3,029
Central Office	13,140	11,700	11.0%	1	-\$174	51,480	50,220	2.4%	2	-\$144
Bus Garage	5,930	5,942	-0.2%	4	\$1	27,181	27,799	-2.3%	3	\$71
Adult Education	2,638	2,373	10.0%	2	-\$32	13,929	11,071	20.5%	1	-\$326
Safe Harbor	3,835	5,676	-48.0%	9	\$223	17,653	30,657	-73.7%	10	\$1,485
Total	362,550	457,709	-26.2%		\$11,515	1,536,080	1,876,412	-22.2%		\$38,873

Electrical Energy Cost Comparison to Last Year

July 2021 - October 2021 \$ Cost Change



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